

**NOTICE TO BIDDERS,
SPECIFICATIONS, CONTRACT
AND CONTRACT BOND**

**FOR
HIGHWAY IMPROVEMENT
County of Cook, Illinois**



**John Yonan, P.E.
Acting Superintendent of Highways**

**Toni Preckwinkle
Cook County Board President**

**Maria de Lourdes Coss, CPPO
Chief Procurement Officer**

Letting: February 15, 2012

SECTION: 95-W6606-01-RP on Route No. W66

**Known as WENTWORTH AVENUE
GLENWOOD-LANSING ROAD TO RIDGE ROAD**

Cook County Purchasing Contract No.: 12-28-017

NOTICE TO PROSPECTIVE BIDDERS

BIDDERS MUST RETURN THE ENTIRE PROPOSAL

Bid Submitted by:



Bid Bond is included



A Cashier's Check or a Certified Check is Included

Name Gallagher Asphalt Corporation Phone No. 708-877-7160

Address 18100 South Indiana Avenue

City Thornton, State IL Zip Code 60476



MARIA DE LOURDES COSS
CHIEF PROCUREMENT OFFICER

County Building
118 North Clark Street, Room 1018
Chicago, Illinois 60602-1304
TEL: (312) 603-5370

Earlean Collins	1 st Dist.	Bridget Gainer	10 th Dist.
Robert Steefe	2 nd Dist.	John P. Daley	11 th Dist.
Jerry Butler	3 rd Dist.	John A. Fritchey	12 th Dist.
William M. Beavers	4 th Dist.	Lawrence Suffredin	13 th Dist.
Doborah Sims	5 th Dist.	Gregg Goslin	14 th Dist.
Joan P. Murphy	6 th Dist.	Timothy O. Schneider	15 th Dist.
Jesus G. Garcia	7 th Dist.	Jeffrey R. Tobolski	16 th Dist.
Edwin Reyes	8 th Dist.	Elizabeth Ann Doody Gorman	17 th Dist.
Peter N. Silvestri	9 th Dist.		

February 9, 2012

ADDENDUM No. 1

WENTWORTH AVENUE
Glenwood-Lansing Road to Ridge Road
Section: 95-W6606-01-FP

Contract Document #12-28-017

This Addendum No. 1 provides for revision to the following documents. Please use these pages in your bid. Please acknowledge this addendum in your bid.

1. Definition of Terms/Information to Bidders (4 pages)

(Note: Surety Bond deleted from list of required documents post-bid
And Cook County Signature page deleted from documents required)

2. Economic Disclosure Statement

- Contractor's Certification Concerning Labor Standards and Prevailing Wage Requirements (2 pages)
(Note: Language was inserted to bring to present tense so it can be submitted with bid.)
- Subcontractor's Certification Concerning Labor Standards and Prevailing Wage Requirements (1 page)
(Note: Language was inserted to bring to present tense so it can be submitted with bid.)

3. Disadvantaged Business Enterprise Participation (DBE) Special Provision (12 pages)
(Note: Deleted language using forms SBE 2025 and SBE 2026)



4. Insurance Requirements

- **Special Provision for Insurance Requirements**
(Note: Change from ten days to 14 days in providing requirements
(2 pages)

5. Indemnification for Locals

- **Special Provision adding Village of Lansing (1 page)**

6. Performance and Payment Bond

- **Relevant Project Information added (1 page)**

7. Technical Response

- **County's response to questions (5 pages)**
Special Provision for Manholes, Type A, with Overflow Weir (2 pages)
Schedule of Prices (8 pages)
Status of Utilities (6 pages)
Soils information (16 pages)

Made by reference to this addendum:

**Revised Drawings at <ftp://130.94.31.166/> (user name: highway;
password ftpt3st).**

THE BOARD OF COMMISSIONERS
TONI PRECKWINKLE, PRESIDENT

Earlean Collins	1 st Dist.	Bridget Gainer	10 th Dist.
Robert Steele	2 nd Dist.	John P. Daley	11 th Dist.
Jerry Butler	3 rd Dist.	John A. Fritchey	12 th Dist.
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Deborah Sims	5 th Dist.	Gregg Goslin	14 th Dist.
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Edwin Reyes	8 th Dist.	Elizabeth Ann Doody Gorman	17 th Dist.
Peter N. Silvestri	9 th Dist.		



COUNTY OF COOK
BUREAU OF FINANCE
OFFICE OF THE CHIEF PROCUREMENT OFFICER

MARIA DE LOURDES COSS
CHIEF PROCUREMENT OFFICER

County Building
118 North Clark Street, Room 1018
Chicago, Illinois 60602-1304
TEL: (312) 603-5370

February 10, 2012

ADDENDUM No. 2

WENTWORTH AVENUE
Glenwood-Lansing Road to Ridge Road
Section: 95-W6606-01-FP

Contract Document #12-28-017

This Addendum No. 2 provides for bid document replacements (Schedule of Prices), bidding plans (Drawings #32R & #40R) replacements, and response to questions. Please take the information and revisions into consideration on your bid. Please acknowledge previously issued addendum and this addendum in your bid.

Bid Document Replacements:

1. Schedule of Prices

Use the enclosed replacement **Schedule of Prices (all pages)**, Pages 485R-492R, to provide for Pay Item No. 118's quantity to show two decimal places inadvertently formatted incorrectly with Addendum No. 1; and to increase the quantity for Pay Item No.78 from 1 to 2 in response to Q3 below with this Addendum.

2. Schedule Of Prices Bidder Spreadsheet:

Use the enclosed replacement **Schedule Of Prices bidder spreadsheet (all pages)** to provide for both Pay Item No. 224's unit price column cell to be unlocked; and for Pay Item No. 118's quantity to show two decimal places inadvertently formatted incorrectly with Addendum No. 1; and to increase the quantity for Pay Item No.78 from 1 to 2 in response to Q3 below with this Addendum.



Bidding Plans Replacements:

1. Use the enclosed replacement **Drainage & Utility Plan, Sheet #32R** in response to Q3 below.
2. Use the enclosed replacement **Restrictor Manhole Detail, Sheet #40R** in response to Q3 below.

(These Revised Drawings may be downloaded at <ftp://130.94.31.166/>(user name: highway; password ffpt3st)

Questions and Answers:

Q1. Will provisions be made for bituminous materials cost adjustments?

A1. No.

Q2. Is it possible to clarify the answer to Addendum No. 1 question Q14? I assumed that all new structures were to receive boot gaskets per ASTM C-923, as noted on detail drawings for catch basin Type C, 2' & catch basin Type A2, 4', as well as all manholes and inlets (although not noted on detail drawings). Is this correct & is the answer to Q14 only pertinent to connection to existing?

A2. Boot gaskets are only to be used on structures being connected to the existing combined sewer system. Proposed Structures G01 and G02 on Sheet 33 will connect into the existing 21 inch combined sewer system. Boot gaskets should be provided at these two structures shown on Sheet 33.

Q3. In Addendum No. 1 there is a sheet Special Provision for Manholes, Type A, with overflow weir. There is still no detail for this structure. The added detail sheet 40R applies to #B38, sta. 33+75 on sheet 28R, but has no detail for #F03, sta. 71+55, which is the overflow weir structure. The pay item for the overflow weir manhole has been changed to reflect change to 6' diameter, however there is no additional pay item for the added restrictor plate manhole for #B38. Please advise.

A3. Please refer to the revised detail for Structure F03 on sheet 40R noted above. The contract quantity for MANHOLES, TYPE A, 6 FT DIA WITH TYPE 1 FRAME, CLOSED LID (WITH OVERFLOW WEIR) shall be increased by 1 Each to a total quantity of 2 EACH and is considered corrected as such on the Summary of Quantities for Pay Item No. 78 with this Addendum. Please see the enclosed Bidding Plans Replacements itemized above.

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314		Village of Lansing Water Main Specifications (VOL)
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358		Construction Air Quality – Idling Restrictions (BDE) 4/1/09
360		Drainage and Inlet Protection Under Traffic (BDE) 1/1/12
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363		Hot-Mix Asphalt – Density Testing of Longitudinal Joints (BDE) 1/1/10
364		Impact Attenuators, Temporary (BDE) 1/1/12
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COUNTY OF COOK

CHICAGO, ILLINOIS

NOTICE

TO CONTRACTORS FOR A COUNTY HIGHWAY IMPROVEMENT

Notice is hereby given that sealed bids for a County Highway Improvement in the County of Cook, Illinois, as described below, will be received at the Office of the Chief Procurement Officer, Cook County Building, Room 1018, 118 North Clark Street, Chicago, Illinois, 60602

Until Wednesday, February 15, 2012 at 10:00 A.M. (Local Time) and then publicly opened and read aloud

Improvement Wentworth Avenue Township Bloom/Thornton

From Glenwood-Lansing Road To Ridge Road

Route W66 Section 95-W6606-01-FP

Cook County Purchasing Contract No.: 12-28-017

LOCATION OF IMPROVEMENT

The proposed improvement is part of the public highway system in the County of Cook, State of Illinois, located by section and route before mentioned, and is indicated on the map showing the County Highway System on file in the office of the County Clerk and also in the office of the Illinois Department of Transportation, Division of Highways, Springfield, Illinois.

The Wentworth Avenue improvement reconstruction begins approximately 67 ft. north of the Glenwood-Lansing Road centerline and extends in a northerly direction for a gross length of approximately 7,461.37 ft. (1.413 miles) ending approximately 171 ft. south of the Ridge Road centerline and includes an omission across the Grand Trunk and Western Railroad for a net length of approximately 7,440.18 ft. (1.409 miles) to be improved along the Wentworth Avenue centerline located within the Village of Lansing in Bloom and Thornton Townships, Cook County, Illinois.

DESCRIPTION OF IMPROVEMENT

The Wentworth Avenue improvement is a Quality Control/Quality Assurance project utilizing Hot-Mix Asphalt (HMA) mixtures for the reconstruction and widening; and mill and resurfacing; of Wentworth Avenue in providing for a 3-lane HMA pavement along Wentworth Avenue consisting of HMA surface and binder courses, HMA stabilized subbase, and aggregate subgrade; including combination concrete curb and gutter; railroad barrier median; sidewalk removal and installation; an enclosed drainage system including ditches, swales, a box culvert and junction chamber; tree removal and earth excavation; new traffic signal installation at the intersection of Wentworth Avenue and 186th Street; pavement markings and signage; landscaping including topsoil, seeding and sodding, and erosion control; detour routing and traffic protection; and other related road work to complete the improvement.

**COOK COUNTY HIGHWAY DEPARTMENT
SPECIAL PROVISION CHECK LIST**

EFFECTIVE January 1, 2012 v 2012.4

Wentworth Avenue
Glenwood-Lansing Road to Ridge Road
95-W6606-01-RP

<u>No.</u>	<u>Description</u>	<u>Origin and Date Last Revised</u>	
X	1	Definition of Terms, Information for Bidders	(CC) Jan. 4, 2012
X	2	Bidding Requirements and Conditions For Contract Proposals	(IL-CC) Jan. 3, 2012
X	3	* Pre-Bid Meeting	(CC) Dec. 28, 2011
X	4	* Wages of Employees on Public Works	(IL-CC) Dec. 28, 2009
X	5	Alternate Proposal/Ordinance	(CC) Dec. 28, 2011
X	6	Responsible Bidder Requirement (Non-Federal Aid)	(IL-CC) Dec. 28, 2011
	7	Required Contract Provisions (Federal Aid Only)	(IL-CC) Jan. 3, 2012
X	8	* Required Disadvantaged Business Participation	(IL-CC) Dec. 28, 2011
X	9	Specific Equal Employment Opportunity Responsibilities (Non-Federal Aid)	(IL-CC) Jan. 3, 2012
X	10	Insurance Requirements	(CC) Dec. 28, 2011
X	11	* Railroad Protective Liability Insurance	(IL-CC) Dec. 28, 2011
X	12	Indemnification	(CC) Dec. 28, 2011
X	13	Joint Venture Forms	(CC) Jan. 3, 2012
X	14	Addendum Receipt	(CC) Dec. 28, 2009
	15	ARRA Provisions	(IL) April 1, 2009
	16	* Combination Bidding Process	(IL-CC) Jan. 1, 2006
X	17	Prompt Pay Mechanisms	(CC) Dec. 28, 2009
	18-22	Not Used	
X	23	Contract Claims	(IL-CC) Jan. 1, 2007
X	24	Pre-Construction Conference	(CC) Mar. 18, 1980
X	25	Mobilization	(CC) Aug. 24, 2009
	26	Not Used	
X	27	Diesel Vehicle Emissions Control (Green Construction Ordinance)	(CC) Dec. 1, 2009
X	28	Processing of Extra Work Payment Requests	(CC) May 1, 1997
X	29	Construction Layout Stakes and Survey Control Points	(CC) Jan. 1, 2003
X	30	* Municipal Coordination/Transfer of Jurisdiction and/or Maintenance	(CC) July 15, 2000
X	31	Engineer's Field Office	(CC) Sept. 15, 2005
X	32	Construction Debris	(CC) July 1, 2006
X	33	Clean Construction and Demolition Debris	(CC) Dec. 1, 2010
	34-45	Not Used	

	<u>No.</u>	<u>Description</u>	<u>Origin and Date Last Revised</u>
X	46	Managing Concrete Waste	(CC) Jan 1, 2009
	47	Class B Patches, Special	(CC) Jan. 1, 2008
	48	Class C Patches, Special	(CC) Jan 1, 2008
	49	Pavement Removal and Replacement (10.0 Inch)	(CC) Jan 1, 2008
X	50	Dowel Bars	(CC) Jan 1, 2008
	51	Structural Fiber Reinforced P.C. Concrete Bus Pad (4 Inch)	(CC) Jan 1, 2008
	52	P.C.C. Bonded Overlay (4 Inch)	(CC) Jan. 1, 2007
	53	Diamond Grinding Concrete Pavement	(CC) Jan. 1, 2007
	54	Saw-Cutting Thin Bonded Concrete Overlay	(CC) Jan. 1, 2007
	55	Crack Routing and Sealing	(IL-CC) Jan 1, 2008
	56	Hot-Mix Asphalt Surface Course, Rubber Modified	(CC) Jan 1, 2008
	57	Rubberized Asphalt Material	(CC) Jan 1, 2008
X	58	Pavement Thickness Deficiency	(CC) March 1, 2008
X	59	Survey Monuments	(CC) April 1, 2008
X	60	Soils Information	(CC) July 1, 2011
X	61	Embankment	(CC) Mar. 6, 2003
	62	Borrow Excavation	(CC) July 1, 2000
X	63	Crushed Stone (Temporary Use)	(CC) Jan 1, 2008
X	64	Aggregate Subgrade, 12"	(IL) August 1, 2008
	65	Expanded Polystyrene Fill	(CC) May 1, 2003
	66	Cellular Concrete Fill	(CC) July 1, 2006
	67	GEO-GRID Subgrade Reinforcing Mat	(CC) May 1, 2003
	68	Earth Excavation (Special)	(CC) July 1, 2011
X	69	P.C.C. Surface Finish	(CC) April 7, 2010
	70	Traffic Barrier Terminal, Type 1, Special	(IL-CC) Jan. 1, 2008
X	71	*Scheduling and Landscaping	(CC) Jan 1, 2008
X	72	Cutting Hot-Mix Asphalt Surface	(CC) Jan. 1, 2008
	73	Hot Mix Asphalt Driveway Surface Removal	(CC) Jan 1, 2008
X	74	Temporary Butt Joints	(CC) Jan 1, 2008
X	75	Hot Mix Asphalt Stabilized Sub base	(CC) Jan 1, 2008
	76	Hot-In-Place Asphalt Recycling	(CC) July 1, 2011
X	77	Treatment of Cracks	(CC) Jan. 1, 2008
	78	Strip Reflective Crack Control Treatment, Special	(CC) May 1, 2003
	79	Cold Recycled Bituminous Base Course	(CC) Oct. 1, 2009
X	80	Temporary By-Pass Pavement	(CC) Jan 1, 2008
	81	Temporary By-Pass Pavement (for use in projects utilizing Federal Aid)	(CC) July 1, 2011

No.	Description	Origin and Date Last Revised
82	Reflective Crack Control Treatment	(CC) Jan. 1, 2012
83-116	Not used	
117	Approach Slab Repair	(IL-CC) Oct. 4, 2011
118	Asbestos Waterproofing Membrane & Asbestos Hot Mix Asphalt Surface Removal	(IL) Jan 2, 2007
119	Not Used	
120	Segmental Concrete Block Wall	(CC) Oct. 4, 2010
X 121	Temporary Soil Retention System	(IL) May 11, 2009
122	Steel Structures	(CC) Nov. 21, 2007
123	Not used	
124	Cleaning and Painting Existing Steel Structures	(IL) May 11, 2009
125	Containment and Disposal of Lead Paint Cleaning Residues	(IL) March 6, 2009
X 126	Fine or Coarse Aggregate Embankment	(CC) Jan. 12, 2003
127	Strip Seal Joint Assembly with Elastomeric Concrete Headers	(CC) Oct. 3, 2011
128	Drainage System	(IL) Jan. 1, 2007
129	Grating	(CC) Aug. 19, 2011
130	Silicone Bridge Joint Sealer	(IL) Oct. 15, 2011
131	Not used	
132	Deck Slab Repair	(IL) Oct. 15, 2011
133	Bridge Deck Latex Concrete Overlay	(IL) May 11, 2009
134	Surface Finish	(IL-CC) Jan. 1, 2007
135-136	Not used	
137	Welded Wire Fabric, Epoxy Coated	(CC) Nov. 21, 2007
138	Permanent Steel Sheet Piling	(IL) Jan. 1, 2007
X 139	Temporary Sheet Piling	(IL) Jan. 1, 2007
140	Precast Concrete Junction Chambers	(CC) Nov. 1, 2007
141	Jack and Remove Existing Bearings	(IL) Jan. 1, 2007
142	Jacking Existing Superstructure	(IL) Jan. 1, 2007
X 143	Junction Chamber	(CC) Jan. 1, 2007
144	Neoprene Expansion Joint Removal	(CC) Oct. 10, 1995
145	Structural Repair of Concrete	(IL) Oct. 16, 2011
146	Polymer Modified Portland Cement Mortar	(IL) Oct. 15, 2011
147	Concrete Wearing Surface	(IL) Oct. 15, 2011
148	Sheet Waterproofing Membrane System	(CC) Nov. 19, 1999
149	Chain Link Fence (Modified)	(CC) Jan. 1, 2004
150-155	Not used	
156	Storm Sewer, (Ductile Iron Pipe) and Storm Sewers, (Extra Strength Vitrified Clay Pipe) in the City of Chicago	(CC) Oct. 20, 2009

<u>No.</u>	<u>Description</u>	<u>Origin and Date Last Revised</u>	
157	Water Main for Installation in the City of Chicago	(CC) Dec. 21, 2009	
158	Frames, City Electric in the City of Chicago	(CC) April 14, 2009	
159	Lids, City Electric in the City of Chicago	(CC) April 14, 2009	
160	Lids and Lids, ADA Compliant in the City of Chicago	(CC) April 14, 2009	
161	Various City Drainage and Utility Structure Adjustments in the City of Chicago	(CC) Dec. 21, 2009	
162	Storm Sewer (Ductile Iron Pipe and Vitrified Clay Pipe) Installation	(CC) Dec. 1, 2007	
163	Boring and Jacking Storm Sewers, Sanitary Sewers or Water Mains	(CC) Dec. 1, 2007	
164	Storm Sewers Jacked in Place (Over 36 In. Dia.)	(CC) Dec. 21, 2009	
165	Storm Sewer Drilled and Pushed (36 In. Dia. Max.)	(CC) Dec. 1, 2007	
166	Storm Sewers, Abandon and Fill	(CC) Dec. 21, 2007	
167	Storm Sewer to be Televised	(CC) Dec. 30, 2008	
X	168	Connecting Existing Field Drain Tile	(CC) Dec. 1, 2007
X	169	Plugging Existing Drains and Sewers	(CC) Dec. 1, 2007
X	170	Blocking Existing Drains and Sewers	(CC) Dec. 21, 2009
	171	Manholes to be Reconstructed, Special; Catch Basins to be Reconstructed, Special; Valve Vaults to be Reconstructed, Special	(CC) Dec. 1, 2007
	172	Filling Existing Manholes, Special; Filling Existing Catch Basins, Special; Filling Existing Inlets, Special	(CC) Jan. 1, 2007
X	173	Manholes, Type A, with Restrictor Plates	(CC) Dec. 1, 2007
X	174	Pipe Under drains	(IL-CC) Dec. 30, 2008
X	175	Lids and Frames and Lids	(CC) Dec. 1, 2007
X	176	Frames and Lids to be Adjusted, Special	(CC) Dec. 21, 2009
	177	Headwall Inlet and Grate	(CC) Dec. 1, 2007
	178	Flared End Sections to be Removed, Flared End Sections to be Relocated	(CC) Dec. 30, 2008
X	179	Bracing and Sheeting	(CC) Dec. 1, 2007
X	180	Pavement Replacement	(CC) July 1, 2011
	181-184	Not Used	
X	185	* Cooperation With Utilities	(CC) Dec. 21, 2009
X	186	Water Valve Boxes to be Adjusted and Domestic Meter Vaults to be Adjusted	(CC) Dec. 21, 2009
	187	Domestic Water Service Boxes to be Adjusted	(CC) Dec. 21, 2009
	188	Filling Existing Valve Vaults	(CC) Dec. 21, 2009
	189	Valve Vaults to be Removed	(CC) Dec. 21, 2009
X	190	Water Main Installation	(CC) Dec. 1, 2009
	191	Fire Hydrants Vertical Adjustment	(CC) Dec. 21, 2009
X	192	Sanitary Sewer Installation	(CC) Dec. 21, 2009
	193	Sanitary Manholes	(CC) Dec. 21, 2009
	194	Waterproofing of Sanitary Manholes	(CC) July 1, 2011

	<u>No.</u>	<u>Description</u>	<u>Origin and Date Last Revised</u>
X	195	Precast Concrete Handling Holes	(IL-CC) Dec. 30, 2008
	196-199	Not Used	
	200	Cleaning Existing Manholes, Catch Basins or Inlets and Cleaning Existing Storm Sewer and Pipe Culverts	(CC) Dec. 1, 2007
	201	Not Used	
X	202	* National Pollutant Discharge Elimination System	(CC) Dec. 21, 2009
	203	Not Used	
X	204	Maintaining Drainage and Stream Protection	(CC) Dec. 1, 2007
X	205	Storm Water Pollution Separation System (VortSentry)	(CC) Dec. 21, 2009
X	206	Storm Water Pollution Separation System (SPECIAL)	(CC) Dec. 1, 2007
	207-210	Not Used	
X	211	Seeding	(CC) Sept. 1, 2002
X	212	Sodding	(CC) Sept. 1, 2002
	213	Trees To Be Planted	(CC) Jan 1, 2008
	214	Salvaging and Transplanting Trees; Salvaging and Transplanting Shrubs	(CC) Sept. 1, 2002
X	215	Planting Woody Plants	(CC) Jan. 1, 1997
	216	Seeding, Fine Fescue Blend	(CC) Jan. 1, 2007
	217	Seeding, Class 4B Modified	(CC) Jan. 1, 2007
	218-226	Not Used	
X	227	Work Zone Traffic Control	(IL) Current**
X	228	Traffic Control Devices – Detour Routing	(CC) Mar. 6, 2003
	229	Not Used	
X	230	Sign Identification Decal	(CC) Jan. 1, 2012
X	231	Traffic Protection	(CC) Sept 5, 2007
	232-235	Not Used	
X	236	Project Signs Plaque	(CC) Nov. 1, 2008
X	237	Eradication of Existing Pavement Marking	(CC) Dec. 1, 2009
X	238	Raised Reflective Pavement Marker Removal	(IL) Dec. 1, 2009
X	239	Replacement of Raised Reflective Pavement Marker	(IL) Dec. 1, 2009
	240	Not Used	
X	241	Traffic Signal Work General	(CC) April 1, 2011
X	242	Construction at Railroad Crossing	(CC) April 1, 2011
	243	Signal Head, Optically Programmed Signal Head and Pedestrian Signal Head	(CC) April 1, 2011
X	244	Signal Head, Light Emitting Diode	(CC) April 1, 2011
	245	Pedestrian Countdown Signal Head, Light Emitting Diode	(CC) April 1, 2011
X	246	Traffic Signal Back plate	(CC) April 1, 2011
	247	Illuminated Sign, Light Emitting Diode	(CC) April 1, 2011
X	248	Traffic Signal Post, Pedestrian Pushbutton Post	(CC) April 1, 2011

	<u>No.</u>	<u>Description</u>	<u>Origin and Date Last Revised</u>
X	249	Steel Mast Arm Assembly and Pole and/or Steel Combination Mast Arm Assembly and Pole	(CC) April 1, 2011
X	250	Traffic Actuated Controller, Traffic Actuated Controller with Cabinet, Inductive Loop Detector	(CC) April 1, 2011
	251	Master Controller	(CC) April 1, 2011
X	252	Detector Loop	(CC) April 1, 2011
X	253	Video Detection System For Temporary Traffic Signal Installation	(CC) April 1, 2011
	254	Pedestrian Pushbutton	(CC) April 1, 2011
X	255	Conduit	(CC) April 1, 2011
X	256	Coilable Non-Metallic Conduit	(CC) April 1, 2011
X	257	Trench and Backfill for Electrical Work	(CC) April 1, 2011
X	258	Electric Cable	(CC) April 1, 2011
	259	Railroad Interconnect Cable	(CC) April 1, 2011
	260	Fiber Optic Cable	(CC) April 1, 2011
X	261	System Ground and Grounding Cable	(CC) April 1, 2011
	262	Grounding Existing Handhole Frame and Cover	(CC) April 1, 2011
X	263	Service Installation, Pole Mount	(CC) April 1, 2011
	264	Service Installation, Ground Mount	(CC) April 1, 2011
	265	* Electric Service	(CC) April 1, 2011
X	266	Handhole	(CC) April 1, 2011
	267	Rebuild Existing Handhole, Rebuild Existing Heavy Duty Handhole, Rebuild Existing Double Handhole	(CC) April 1, 2011
X	268	Concrete Foundation	(CC) April 1, 2011
	269	Modify Existing Type "D" Foundation	(CC) April 1, 2011
X	270	Remove Existing Traffic Signal Equipment	(CC) April 1, 2011
X	271	Temporary Traffic Signal Installation	(CC) April 1, 2011
X	272	Maintenance of Existing Traffic Signal Installation	(CC) July 1, 2011
X	273	Emergency Vehicle Priority System	(CC) April 1, 2011
	274	Relocate Existing Emergency Vehicle Priority System, Detector Unit	(CC) April 1, 2011
	275	Relocate Existing Emergency Vehicle Priority System, Phasing Unit	(CC) April 1, 2011
X	276	Confirmation Beacon System	(CC) April 1, 2011
	277	Re-Optimize Traffic Signal System	(CC) April 1, 2011
	278	Optimize Traffic Signal System	(CC) April 1, 2011
	279	Median Removal and Replacement	(CC) April 1, 2011
	280	Sidewalk Removal and Replacement	(CC) April 1, 2011
X	281	Relocate Existing Light Standard and Luminaire Complete in Place	(CC) April 1, 2011
	282	Maintenance Of Lighting System	(CC) April 1, 2011
	283	City Electric Manholes to be Adjusted	(CC) April 1, 2011

<u>No.</u>	<u>Description</u>	<u>Origin and Date Last Revised</u>
X 284	Uninterruptible Power Supply (UPS)	(CC) April 1, 2011
285	Traffic Signal Cabinet Load Switch	(CC) April 1, 2011
286	Temporary Traffic Signal Timings	(CC) April 1, 2011
287	Combination Lighting and Traffic Signal Service Installation, Pole Mounted	(CC) April 1, 2011
288	Illuminated Street Name Sign	(CC) April 1, 2011
289	Relocate Existing Illuminated Street Name Sign	(CC) April 1, 2011
290	Video Detection System, Single Camera Processor Video Detection	(CC) April 1, 2011
291	Video Detection System, Complete Intersection	(CC) April 1, 2011
292	Radar Presence Detector	(CC) April 1, 2011

293-300 Not used

** Most current revision date reflected in the Special Provision document.

Additional Inserted Special Provisions (As Required)

- Backfilling Storm Sewer Under Roadway (CSS/D1) 1/1/12
- Epoxy Coating on Reinforcement (CSS/D1) 1/1/12

- Pipe Culverts, Type, (Furnished) (SD) 1/1/07
- Storm Sewers Water Main Quality Pipe (AECOM/DUD)
- Duckbill Elastomeric Check Valve (AECOM/DUD)

- Box Culvert Removal (AECOM/DUD)
- Water Main Removal (AECOM/DUD)
- Adjust Fire Hydrant With Auxiliary Valve (AECOM/DUD)
- Village of Lansing Water Main Specifications (VOL)
- Remove and Reinstall Decorative Brick Pavers (VOL)
- Solar Flashing Beacon System (VOL)

- Furnished Excavation (LRS) 1/1/12
- Work Zone Traffic Control (LRS) 1/1/12
- Flaggers in Work Zone (LRS) 1/1/12
- Adjustments and Reconstructions (D1) 3/15/11

- Coarse Aggregate for Backfill, Trench Backfill and Bedding (D1) 11/1/11

Additional Inserted Special Provisions Continued on Next Page

Additional Inserted Special Provisions (As Required)

- Drainage and Inlet Protection Under Traffic (D1) 4-2-11
- Fine Aggregate for Hot-Mix Asphalt (HMA) (D1) 1/1/12
- Porous Granular Embankment, Subgrade (D1) 8/1/08
- Reclaimed Asphalt Pavement and Shingles (D1) 1/1/12
- Reclaimed Asphalt Pavement (D1) (BMPR) 3-1-11
- Reclaimed Asphalt Shingles (D1) (BMPR) 3-1-11

- Construction Air Quality – Diesel Vehicle Emissions Control (BDE) 7/1/09
- Construction Air Quality – Idling Restrictions (BDE) 4/1/09
- Drainage and Inlet Protection Under Traffic (BDE) 1/1/12
- Flagger at Side Roads and Entrances (BDE) 4/1/09
- Hot-Mix Asphalt – Density Testing of Longitudinal Joints (BDE) 1/1/10
- Impact Attenuators, Temporary (BDE) 1/1/12
- Metal Hardware Cast Into Concrete (BDE) 1/1/12
- Pavement Marking Removal (BDE) 4/1/09
- Payments to Subcontractors (BDE) 1/1/06
- Planting Woody Plants (BDE) 1/1/12
- Portland Cement Concrete (BDE) 1/1/12
- Portland Cement Concrete Sidewalk (BDE) 1/1/12
- Quality Control/Quality Assurance of Concrete Mixtures (BDE) 1/1/12
- Reclaimed Asphalt Pavement (BDE) 1/1/12
- Reclaimed Asphalt Shingles (BDE) 1/1/12
- Removal and Disposal of Regulated Substances (BDE) 1/1/12
- Self-Consolidating Concrete for Cast-in-Place Construction (BDE) 1/1/12
- Self-Consolidating Concrete for Precast Products (BDE) 1/1/12
- Sidewalk, Corner or Crosswalk Closure (BDE) 1/1/12
- Subcontractor Mobilization Payments (BDE) 4/1/11
- Temporary Erosion and Sediment Control (BDE) 1/1/12

Additional Document Inclusions (Required)

*0 01	Cover Sheet	(CC) Jan. 3, 2012
*0 02	Notice Sheet	(CC) Nov. 1, 2011
*C	Proposal Sheet	(CC) Jan 1, 2008
E	Economic Disclosure Statement Instructions, *DBE Documents, Contractor Certifications, Economic and Other Disclosures, *Contractor's Certificate Concerning Labor Standards, *Sub-Contractor's Certificate Concerning Labor Standards, Execution Pages	(CC) Jan. 3, 2012
F	Surety's Statement Of Qualification for Bonding	(CC) June 2, 2011
*G	Surety Bond Form	(CC) Dec. 28, 2011
*H	Performance and Payment of Bond Form	(CC) June 9, 2011
*I	Contract	(CC) December 20, 2011
*I	Schedule of Prices Sheets	(CC) Dec. 28, 2011
*J	Bid Deposit Form	(CC) Jan. 3, 2012
*K	Proposal Bid Bond	(CC) Jan. 3, 2012

* Special Provisions marked with an asterisk (*) have information that must be filled in prior to inclusion in the Contract Documents.

Origin of Special Provisions

(CC)	Initiated by Cook County Highway Department
(IL)	Initiated by the Illinois Department of Transportation
(IL-CC)	Initiated by the Illinois Department of Transportation and amended by Cook County Highway Department

<u>Initiating Bureau/Division</u>	<u>Cook County Highway Department Special Provision Catalog Number</u>
Contract Documents Office	1-20
Construction Bureau	21-40
Pavement Geometrics Division	41-114
Structural Division	115-155
Drainage Division	156-210
Landscaping Division	211-225
Transportation and Planning Bureau	226-240
Electrical Division	241-300

BY ORDER

BOARD OF COUNTY COMMISSIONERS

THE COUNTY OF COOK

MARIA DE LOURDES COSS

CHIEF PROCUREMENT OFFICER

JOHN J. YONAN, P.E.

SUPERINTENDENT OF HIGHWAYS

DEFINITION OF TERMS

PLANS. The plans herein referred to are those prepared by the County Superintendent of Highways. The plans which cover the proposed improvement are designated by the section and route numbers inscribed herein and include all standard and special designs pertaining to the proposed improvement.

SPECIFICATIONS. The specifications herein referred to are the Standard Specifications for Road and Bridge Construction, Supplemental Specifications, the special provisions and all written agreements and documents of any description pertaining to the method or manner of performing the work and the quantity or quality of materials to be furnished under the contract. The Standard Specifications for Road and Bridge Construction are those prepared by the Department of Transportation of the State of Illinois, adopted January 1, 2012. The Supplemental Specifications are those prepared by the Department of Transportation of the State of Illinois.

INTENT OF PLANS AND SPECIFICATIONS. The intent of those plans and specifications is to prescribe a complete outline of the proposed improvement which the Contractor undertakes to construct in full compliance with the contract. In case of discrepancy, plans shall govern over Standard and Supplemental Specifications and Special Provisions shall govern over plans and specifications.

ABOUT REQUESTS FOR PLANS & PROPOSALS

The Specification can be downloaded at <http://198.65.148.209/purchasing/bids/listallhighway.php> (follow online instructions to register, if you have not already). When the plans are not included in the bid document on the http site, you must also download the Plans (Drawings) at <ftp://130.94.31.166/> (user name: highway; password ftp3st).

A compact disk containing the bid documents will be available at the Cook County Building, 118 North Clark Street, Chicago, IL 60602 at Room 1018. One compact disk per company at no charge.

INFORMATION for BIDDERS

- 1) If the prospective bidder is in doubt as to the meaning of any part of the plans, specifications of other proposed contract documents, they may submit a written clarification to the Chief Procurement Officer (CPO) for an interpretation thereof. The prospective bidder submitting the request will be responsible for the prompt delivery to the Chief Procurement Officer. Any interpretation of the proposal documents will be made by an addendum duly issued through the Cook County Purchasing website.
- 2) An estimate of quantities of work to be done and material to be furnished under the specifications will be found in the Schedule of Prices. It is the result of calculations and is given as a basis for a comparison of bids and award of a contract.
- 3) The bidder should include in the bid price in his bid for any taxes such as Occupational, Social Security, Unemployment Compensation, etc., which he might be required to pay in connection with the construction of the proposed improvement. The County of Cook will not reimburse the Contractor for the payment of any such taxes.
- 4) The Board of County Commissioners for the County of Cook reserves the right to reject any or all bids and to waive technicalities of form. Bids may be rejected if current work being performed for the County of Cook by the bidder has been unsatisfactory from the standpoint of workmanship or progress, or if the contractor has been awarded work by others subsequent to the issuance of the bid, which may, in the judgement of said Board of County Commissioners of Cook County endanger the prompt completion of the proposed improvement.
- 5) The bidder shall include in his bid a Bid Guarantee in accordance with provisions contained in the proposal form. The return of the bid guarantee will be in accordance with provisions contained in the bid form.
- 6) The bidder who submits the bid accepted by said Board of Cook County Commissioners shall execute a contract and furnish a satisfactory Surety Bond in the amount of one hundred percent (100%) of the contract price within fourteen (14) days after receiving notice of acceptance. Such acceptance being contingent upon the fulfillment of this requirement by said bidder. Failure on the part of said bidder to so execute a Contract and Surety Bond shall be considered just cause for the forfeiture of the bid guaranty as payment of liquidated damages sustained by the County of Cook as the result of such, and the annulment of acceptance of the proposal.
- 7) If bidder is submitting a bid as a Joint Venture, bidder shall complete the County's Joint Venture Forms and shall submit such Joint Venture Forms when the bid is submitted. Bidder is reminded that compliance with the Assumed Business Name Act (805 ILCS 405/1 et seq.) is required of all Joint Ventures.

8) The following completed documents are to be submitted with the Bid:

Joint Venture Forms	1 original
Economic Disclosure Statement and Execution Documents:	
IDOT Certificate of Eligibility	1 copy
IDOT Affidavit of Availability	1 copy
DBE Utilization Plan	1 copy
(Note: If original cannot be provided a copy is acceptable. See below)	
DBE Participation Plan	1 copy
(Note: If original cannot be provided a copy is acceptable. See below)	
Letter of Intent from DBE to Perform	
as Subcontractor, Supplier and/or Consultant	1 copy
(Note: If original cannot be provided a copy is acceptable. See below)	
Petition for Reduction/Waiver of DBE Participation Goals	1 original
Contractor Certifications	1 original
Economic and Other Required Disclosures	1 original
Lobby, Local Business Preference,	
Real Estate Ownership	1 original
Affidavit of Child Support Obligations	1 original
Disclosure of Ownership Interest Statement	1 original
Familial Relationship Disclosure Provision	1 original
Certification Concerning Labor Standards	
And Prevailing Wage Requirements	1 original
Subcontractors Certification Concerning Labor Standards	
and Prevailing Wage Requirements	1 original
Execution Pages:	
Sole Proprietor Signature Page	8 originals
Partnership and/or Joint Venture Signature Page	8 originals
Corporation Signature Page	8 originals
Bid Deposit Form	1 original
Proposal Bid Bond	1 original

The following documents are to be submitted subsequent to notice of acceptance within fourteen (14) calendar days:

Surety Statement of Qualifications	1 original
Performance and Payment Bond	1 original
Owners, Contractor's and Protective (OCP) Liability	
Insurance Binder	1 original
Certificates of Insurance evidencing:	
Worker's Compensation and Employer's Liability	1 original
Commercial General Liability	1 original
Commercial Automobile Liability	1 original
Umbrella Liability Insurance	1 original
Railroad Protective Liability (when applicable)	1 original & 1 certified copy
DBE Utilization Plan	1 original
DBE Participation Plan	1 original

Letter of Intent from DBE to Perform
as Subcontractor, Supplier and/or Consultant

1 original

Please forward documents due within fourteen (14) days of notice of acceptance to:

Cook County Highway Department
Contract Documents
69 West Washington Street
Suite 2200
Chicago, IL 60602

SPECIAL PROVISION
FOR
BIDDING REQUIREMENTS AND CONDITIONS FOR CONTRACT PROPOSALS

Qualification of Bidders.

The Awarding Authority for contract construction work is the County Board of a County. Each prospective bidder, in evidence of competence, shall furnish the Awarding Authority a certified copy of a "Certificate of Eligibility" issued by the Department of Transportation, and Contractor's Statement of Experience and Financial Condition" with their bid. Each prospective bidder shall furnish a sworn statement as to equipment owned and controlled, previous experience and construction work.

If the bidder to whom the award is made is a corporation organized under the laws of the State other than Illinois, the bidder shall furnish the Awarding Authority a copy of the corporation's Certificate of Authority to do business in the State of Illinois with the bid.

The bidder must provide the Awarding Authority a sworn Affidavit of Availability showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work in the bid. The bidder should file two (2) copies of same with IDOT's District office.

Interpretation of Quantities in the Bid Schedule.

The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased, or omitted as hereinafter provided.

Examination of Plans, Specifications, Special Provisions, and Site of Work. The bidder shall, before submitting a bid, carefully examine the provisions of the contract. The bidder shall inspect in detail the site of the proposed work, investigate and become familiar with all the local conditions affecting the contract and fully acquaint themselves with the detailed requirements of construction. Submission of a bid shall be a conclusive assurance and warranty the bidder has made these examinations and the bidder understands all requirements for the performance of the work. If the submitted bid is accepted, the bidder shall be responsible for all errors in the bid resulting from the bidder's failure or neglect to comply with these instructions. The Awarding Authority will, in no case, be responsible for any costs, expenses, losses, or change in anticipated profits resulting from such failure or neglect of the bidder to make these examinations.

The bidder shall take no advantage of any error or omission in the bid documents and advertised contract. Any prospective bidder who desires an explanation or interpretation of the plans, specification, or any of the contract documents shall request such in writing from the Awarding Authority in sufficient time to allow a written reply by the Awarding Authority that can reach all prospective bidders before the submission of their bids. Any reply given a prospective bidder concerning any of the contract documents, plans, and

specifications will be furnished to all prospective bidders in the form determined by the Awarding Authority including, but not limited to, an addendum, if the information is deemed by the Awarding Authority to be necessary in submitting bids or if the Awarding Authority concludes the information would aid competition. Oral explanations, interpretations, or instructions given before the submission of bids unless at a prebid conference will not be binding on the Awarding Authority.

Changes in Improvement. The undersigned agrees that in case the County Superintendent of Highways of the County of Cook decides either to extend or decrease the area of the proposed improvement or to do both or otherwise alter it by extras or deductions including the elimination of any one or more of the quantities listed in the Schedule of Prices the undersigned will make such change in the contract price by adding or subtracting there from as the case may be by applying the respective unit prices to the quantities of the several items of work that may be involved by reason of such change.

Preparation of the Bid. Bidders shall submit their bids on the form furnished by the Awarding Authority. The bid shall be executed properly, and bids shall be made for all items indicated in the bid form, except when alternate bids are asked, a bid on more than one alternate for each item is not required, unless otherwise provided. The bidder shall indicate in figures, a unit price for each of the separate items called for in the bid form; the bidder shall show the products of the respective quantities and unit prices in the column provided for that purpose, and the gross sum shown in the place indicated in the bid form shall be the summation of said products. All writing shall be with ink or typewriter, except the signature of the bidder which shall be written in ink.

Any erasures or alterations in the unit prices and/or in the products of the respective quantities and unit prices in the bid, must be properly authenticated by the bidder by initialing in ink such erasures or alterations to avoid cause for rejection of the bid in accordance with Title 44 Illinois Administrative Code Chapter IX Section 660.180.

If the bid is made by an individual, that individual's name and business address shall be shown. If made by a firm or partnership, the name and business address of each member of the firm or partnership shall be shown. If made by a corporation, the bid shall show the names, titles, and business addresses of the president, corporate secretary and treasurer. The bid shall be signed by president or someone with authority to execute contracts and attest by the corporate secretary or someone with authority to execute or attest to the execution of contracts.

Rejection of Bids. The Awarding Authority reserves the right to reject any bids for any of the conditions listed below:

- a) More than one bid for same work from an individual, firm partnership, or corporation under the same name or different names.
- b) Evidence of collusion among bidders.
- c) Unbalanced bids in which the bid prices for some items are, in the judgment of the Awarding Authority, out of proportion to the bid prices for other items.
- d) If the bid does not contain a unit price for each pay item listed except in the case of authorized alternate pay items or lump sum pay items.

- e) If the bid form is other than that furnished by the Awarding Authority; or if the form is altered or any part thereof is detached.
- f) If there are omissions, erasures, alterations unauthorized additions, conditional or alternate bids, or irregularities of any kind which may tend to make the bid incomplete, indefinite or ambiguous as to its meaning.
- g) If the bidder adds any provisions reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
- h) If the proposal is not accompanied by the proper bid guaranty.
- i) If the bid is prepared with other than ink or typewriter, or otherwise fails to meet the requirement of the above "Preparation of Proposal" section.
- j) Lack of Competency and adequate machinery, plant, and other equipment, as revealed by the financial statement and experience questionnaires required in the prequalification procedures.
- k) Uncompleted work which, in the judgment of the Awarding Authority, might hinder or prevent the prompt completion of additional work awarded.
- l) False information provided on a bidder's "Affidavit of Availability".
- m) Failure to pay, or satisfactorily settle, all bills due for labor and material on former contracts in force at the time of issuance of bid forms.
- n) Failure to comply with any prequalification regulations of the Department.
- o) Default under previous contracts.
- p) Unsatisfactory performance record as shown by past work for the Awarding Authority, judged from the standpoint of workmanship and progress.
- q) When the contractor is suspended from eligibility to bid at a public letting where the contract is awarded by, or requires approval of, the Department.
- r) When any agent, servant, or employee of the prospective bidder currently serves as a member, employee, or agent of a governmental body that is financially involved in the proposal work.
- s) When any agent, servant, or employee of the perspective bidder has participated in the preparation of plans or specifications for the proposed work.

Bid Guaranty. Each bid shall be accompanied by a bid bond on the Department form contained in the bid document, executed by a corporate surety company satisfactory to the Awarding Authority, by a bank cashier's check or a properly certified check for not less than five percent (5%) of the amount bid, or for the amount specified in the following schedule:

<u>Amount Bid</u>		<u>Proposal Guaranty</u>
Up to	\$5,000	\$150
\$5,000	\$10,000	\$300
\$10,000	150,000	\$1,000
\$50,000	\$100,00	\$3,000
\$100,000	\$150,000	\$5,000
\$150,000	\$250,000	\$7,500
\$250,000	\$500,000	\$12,500
\$500,000	\$1,000,000	\$25,000
\$1,000,000	\$1,500,000	\$50,000
\$1,500,000	\$2,000,000	\$75,000
\$2,000,000	\$3,000,000	\$100,000
\$3,000,000	\$5,000,000	\$150,000
\$5,000,000	\$7,500,000	\$250,000
\$7,500,000	\$10,000,000	\$400,000
\$10,000,000	\$15,000,000	\$500,000
\$15,000,000	\$20,000,000	\$600,000
\$20,000,000	\$25,000,000	\$700,000
\$25,000,000	\$30,000,000	\$800,000
\$30,000,000	\$35,000,000	\$900,000
Over	\$35,000,000	\$1,000,000

In the event that one proposal guaranty check is intended to cover two or more bids, the amount must equal to the sum of the bid guaranties, which would be required for each individual proposal.

Bank cashier's checks or properly certified checks accompanying bids shall be made payable to the County Treasurer, when a County is the Awarding Authority; or the City, Village, or Town Treasurer, when a city, village, or town is the Awarding Authority.

The bid guaranty checks of all except the two (2) lowest responsible bidders will be returned promptly after the bids have been checked, tabulated, and the relation of the bids established. Bid guaranty checks of the two lowest responsible bidders will be returned as soon as the contract and contract bond of the successful bidder have been properly executed and approved. Bid bonds will not be returned.

After a period of three (3) working days has elapsed after the date of opening proposals, the Awarding Authority may permit the two lowest bidders to substitute for the banks cashier's checks or certified checks submitted with their bids as proposal guaranties, bid bonds on the Department forms executed by corporate surety companies satisfactory to the Awarding Authority.

Delivery of Bids. If a special envelope is supplied by the Awarding Authority, each bid should be submitted in that envelope furnished by the Awarding Authority and the blank spaces on the envelope shall be filled in correctly to clearly indicate its contents. When an envelope other than the special one furnished by the Awarding Authority is used, it shall be marked to clearly indicate its contents. When sent by mail, the sealed proposal shall be addressed to the Awarding Authority at the address and in care of the official in whose office the bids are to be received. All bids shall be filed prior to the time and at the place specified in the Notice to Bidders. Bids received after the time specified will be returned to the bidder unopened.

Withdrawal of Bids. Bidder may withdraw their bid prior to bid opening.

Public Opening of Bids. Bids will be opened and read publicly at the time and place specified in the Notice to Bidders. Bidders, their authorized agents, and other interested parties are invited to be present.

Consideration of Bids. After the bids are opened and read, they will be compared on the basis of the summation of the products of the quantities shown in the bid schedule by the unit bid prices. In awarding contracts, the Awarding Authority will, in addition to considering the amounts stated in the bids, take into consideration the responsibility of the various bidders as stated under "Rejection of Bids and documents submitted in the bid and from other investigations which it may elect to make.

The right is reserved to reject any or all bids, to waive technicalities, or to advertise from new bids, if in the judgment of the Awarding Authority, the best interests of the Awarding Authority will be promoted thereby.

Awarding of Contract. The award of contract will be made within 90 calendar days after the opening of bids to the lowest responsible and responsive qualified bidder whose bids complies with all the requirements prescribed. The successful bidder will be notified that their bid has been accepted, and subject to the following conditions, the bidder will be the Contractor. In addition, **the contractor shall provide all required insurance and bonding as specified within fourteen (14) calendar days from notice.**

An approved contract executed by the Awarding Authority is required before the Awarding Authority is bound. An award may be cancelled any time by the Awarding Authority prior to execution in order to protect the public interest and integrity of the bidding process or for any other reason, if the judgment of the Awarding Authority and/or the best interests of the Awarding Authority will be promoted thereby.

If a contract is not awarded within 90 days after the bid opening, bidders may file a written request with the Awarding Authority for the withdrawal of their bid, or agree to maintain their bid price.

Requirement of Contract Bond. The Contractor shall furnish the Awarding Authority a performance and payment bond with good and sufficient sureties in the full amount of the contract within **fourteen (14) calendar days** as part of the requirement. The surety shall be acceptable to the Awarding Authority, shall waive notice of any changes and extensions of time, and shall submit its bond on the form furnished by the Awarding Authority.

Failure to Execute Contract. If the contract is not executed by the Awarding Authority within 90 days from the bid opening, the bidder shall have the right to withdraw their bid without penalty.

Failure of the successful bidder to provide all required insurance and bonding within **fourteen (14) days after the award notification** shall be just cause for the cancellation of the award and the forfeiture of the bid guaranty which shall become the property of the Awarding Authority, not as penalty, but in liquidation of damages sustained. Award may then be made to the next lowest responsible bidder, or the work may be advertised again and constructed under contract, or otherwise, as the Awarding Authority may decide.

**SPECIAL PROVISION
FOR
PRE-BID MEETING**

Prospective bidders are advised that Pre-Bid Meeting will be held at:

Cook County Highway Department
69 W. Washington Street
Chicago, IL 60602

PLACE Suite 2100

TIME 11:00 a.m. (local time)

DATE Tuesday, January 31, 2012

**SPECIAL PROVISION
FOR
WAGES OF EMPLOYEES ON PUBLIC WORKS**

This contract is subject to "An Act Regulating the Wages of all Laborers, Mechanics and Other Workers employed in any public works by the State, County, City or any public body or any political subdivision or by anyone under contract for public works", approved June 26, 1941, as amended, except that where a prevailing wage violates a Federal law, order, or ruling, the rate conforming to the Federal law, order or ruling shall govern.

If it is determined that the "prevailing rate of wages" will be used for this contract, the following conditions will be required:

Not less than the prevailing rate of wages as found by the (public body) or Department of Labor or determined by a court on review shall be paid to all laborers, workers and mechanics performing work under this contract. These prevailing rates of wages are included in this contract.

The Contractor and each subcontractor shall keep an accurate record showing the name and occupations of all laborers, workers and mechanics employed by them on this contract, and also showing the actual wages paid to each of such persons.

The submission by the Contractor and each subcontractor of payrolls, or copies thereof, is not required. However, the Contractor and each subcontractor shall preserve their weekly payroll records for a period of three (3) years from the date of completion of this contract.

If the Department of Labor revised the prevailing rate of hourly wages to be paid by the public body, the revised rate as provided by the public body shall apply to this contract.

Cook County Prevailing Wage for January 2012

Trade Name	RG	TYP	C	Base	FRMAN	*M-F>8	OSA	OSH	H/W	Pensn	Vac	Trng
ASBESTOS ABT-GEN	ALL			35.200	35.700	1.5	1.5	2.0	12.18	8.820	0.000	0.450
ASBESTOS ABT-MEC	BLD			32.850	0.000	1.5	1.5	2.0	10.82	10.66	0.000	0.720
BOILERMAKER	BLD			43.450	47.360	2.0	2.0	2.0	6.970	12.61	0.000	0.350
BRICK MASON	BLD			39.780	43.760	1.5	1.5	2.0	9.300	11.17	0.000	0.730
CARPENTER	ALL			40.770	42.770	1.5	1.5	2.0	12.34	11.25	0.000	0.530
CEMENT MASON	ALL			41.850	43.850	2.0	1.5	2.0	10.70	10.76	0.000	0.320
CERAMIC TILE FNSHER	BLD			33.600	0.000	2.0	1.5	2.0	9.200	6.680	0.000	0.580
COMM. ELECT.	BLD			36.440	38.940	1.5	1.5	2.0	8.420	8.910	0.000	0.700
ELECTRIC PWR EQMT OP	ALL			41.850	46.850	1.5	1.5	2.0	10.27	13.01	0.000	0.320
ELECTRIC PWR GRNDMAN	ALL			32.640	46.850	1.5	1.5	2.0	8.000	10.12	0.000	0.240
ELECTRIC PWR LINEMAN	ALL			41.850	46.850	1.5	1.5	2.0	10.27	13.01	0.000	0.320
ELECTRICIAN	ALL			40.400	43.000	1.5	1.5	2.0	13.83	7.420	0.000	0.750
ELEVATOR CONSTRUCTOR	BLD			48.560	54.630	2.0	2.0	2.0	11.03	11.96	2.910	0.000
FENCE ERECTOR	ALL			32.660	34.660	1.5	1.5	2.0	12.42	10.00	0.000	0.250
GLAZIER	BLD			38.000	39.500	1.5	2.0	2.0	10.19	13.64	0.000	0.790
HT/FROST INSULATOR	BLD			43.800	46.300	1.5	1.5	2.0	10.82	11.86	0.000	0.720
IRON WORKER	ALL			40.750	42.750	2.0	2.0	2.0	13.20	19.09	0.000	0.350
LABORER	ALL			35.200	35.950	1.5	1.5	2.0	12.18	8.820	0.000	0.450
LATHER	ALL			40.770	42.770	1.5	1.5	2.0	12.34	11.25	0.000	0.530
MACHINIST	BLD			43.160	45.160	1.5	1.5	2.0	7.980	8.950	0.000	0.000
MARBLE FINISHERS	ALL			29.100	0.000	1.5	1.5	2.0	9.300	11.17	0.000	0.660
MARBLE MASON	BLD			39.030	42.930	1.5	1.5	2.0	9.300	11.17	0.000	0.730
MATERIAL TESTER I	ALL			25.200	0.000	1.5	1.5	2.0	12.18	8.820	0.000	0.450
MATERIALS TESTER II	ALL			30.200	0.000	1.5	1.5	2.0	12.18	8.820	0.000	0.450
MILLWRIGHT	ALL			40.770	42.770	1.5	1.5	2.0	12.34	11.25	0.000	0.530
OPERATING ENGINEER	BLD 1			45.100	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	BLD 2			43.800	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	BLD 3			41.250	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	BLD 4			39.500	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	BLD 5			48.850	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	BLD 6			46.100	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	BLD 7			48.100	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	FLT 1			51.300	51.300	1.5	1.5	2.0	11.70	8.050	1.900	1.150
OPERATING ENGINEER	FLT 2			49.800	51.300	1.5	1.5	2.0	11.70	8.050	1.900	1.150
OPERATING ENGINEER	FLT 3			44.350	51.300	1.5	1.5	2.0	11.70	8.050	1.900	1.150
OPERATING ENGINEER	FLT 4			36.850	51.300	1.5	1.5	2.0	11.70	8.050	1.900	1.150
OPERATING ENGINEER	HWY 1			43.300	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	HWY 2			42.750	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	HWY 3			40.700	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	HWY 4			39.300	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	HWY 5			38.100	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	HWY 6			46.300	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER	HWY 7			44.300	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
ORNAMNTL IRON WORKER	ALL			40.200	42.450	2.0	2.0	2.0	12.67	14.81	0.000	0.500
PAINTER	ALL			38.000	42.750	1.5	1.5	1.5	9.750	11.10	0.000	0.770
PAINTER SIGNS	BLD			32.770	36.800	1.5	1.5	1.5	2.600	2.620	0.000	0.000
PILEDRIVER	ALL			40.770	42.770	1.5	1.5	2.0	12.34	11.25	0.000	0.530
PIPEFITTER	BLD			44.050	47.050	1.5	1.5	2.0	8.460	13.85	0.000	1.820
PLASTERER	BLD			39.250	41.610	1.5	1.5	2.0	10.60	10.69	0.000	0.550
PLUMBER	BLD			44.750	46.750	1.5	1.5	2.0	11.59	9.060	0.000	0.780
ROOFER	BLD			37.650	40.650	1.5	1.5	2.0	7.750	6.570	0.000	0.430
SHEETMETAL WORKER	BLD			40.560	43.800	1.5	1.5	2.0	9.880	16.54	0.000	0.630
SIGN HANGER	BLD			29.460	29.960	1.5	1.5	2.0	4.800	2.980	0.000	0.000
SPRINKLER FITTER	BLD			49.200	51.200	1.5	1.5	2.0	9.750	8.200	0.000	0.450
STEEL ERECTOR	ALL			40.750	42.750	2.0	2.0	2.0	13.20	19.09	0.000	0.350
STONE MASON	BLD			39.780	43.760	1.5	1.5	2.0	9.300	11.17	0.000	0.730
TERRAZZO FINISHER	BLD			35.150	0.000	1.5	1.5	2.0	9.200	9.070	0.000	0.430

TERRAZZO MASON	BLD	39.010	42.010	1.5	1.5	2.0	9.200	10.41	0.000	0.510
TILE MASON	BLD	40.490	44.490	2.0	1.5	2.0	9.200	8.390	0.000	0.640
TRAFFIC SAFETY WRKR	HWY	28.250	29.850	1.5	1.5	2.0	4.896	4.175	0.000	0.000
TRUCK DRIVER	E ALL 1	30.700	31.350	1.5	1.5	2.0	6.750	5.450	0.000	0.150
TRUCK DRIVER	E ALL 2	30.950	31.350	1.5	1.5	2.0	6.750	5.450	0.000	0.150
TRUCK DRIVER	E ALL 3	31.150	31.350	1.5	1.5	2.0	6.750	5.450	0.000	0.150
TRUCK DRIVER	E ALL 4	31.350	31.350	1.5	1.5	2.0	6.750	5.450	0.000	0.150
TRUCK DRIVER	W ALL 1	32.550	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.000
TRUCK DRIVER	W ALL 2	32.700	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.000
TRUCK DRIVER	W ALL 3	32.900	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.000
TRUCK DRIVER	W ALL 4	33.100	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.000
TUCKPOINTER	BLD	39.950	40.950	1.5	1.5	2.0	8.180	10.57	0.000	0.790

Legend:

M-F>8 (Overtime is required for any hour greater than 8 worked each day, Monday through Friday.)
 OSA (Overtime is required for every hour worked on Saturday)
 OSH (Overtime is required for every hour worked on Sunday and Holidays)
 H/W (Health & Welfare Insurance)
 Pensn (Pension)
 Vac (Vacation)
 Trng (Training)

Explanations

COOK COUNTY

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please check with IDOL.

TRUCK DRIVERS (WEST) - That part of the county West of Barrington Road.

EXPLANATION OF CLASSES

ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date.

ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings,

swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

COMMUNICATIONS ELECTRICIAN

Installation, operation, inspection, maintenance, repair and service of radio, television, recording, voice sound vision production and reproduction, telephone and telephone interconnect, facsimile, data apparatus, coaxial, fibre optic and wireless equipment, appliances and systems used for the transmission and reception of signals of any nature, business, domestic, commercial, education, entertainment, and residential purposes, including but not limited to, communication and telephone, electronic and sound equipment, fibre optic and data communication systems, and the performance of any task directly related to such installation or service whether at new or existing sites, such tasks to include the placing of wire and cable and electrical power conduit or other raceway work within the equipment room and pulling wire and/or cable through conduit and the installation of any incidental conduit, such that the employees covered hereby can complete any job in full.

MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior

and exterior which are installed in a similar manner.

MATERIAL TESTER I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

MATERIAL TESTER II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures.

OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft.; Concrete Paver 27E cu. ft. and Under; Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, One, Two and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Lubrication Technician; Manipulators; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes; Squeeze Cretes-Screw Type Pumps; Gypsum Bulker and Pump; Raised and Blind Hole Drill; Roto Mill Grinder; Scoops - Tractor Drawn; Slip-Form Paver; Straddle Buggies; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

Class 2. Boilers; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and Over); Conveyor, Portable; Forklift Trucks; Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, Inside Elevators; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum; Rock Drill (Self-Propelled); Rock Drill (Truck Mounted); Rollers, All; Steam Generators; Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame.

Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators; Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches; Bobcats (up to and including $\frac{3}{4}$ cu yd.) .

Class 4. Bobcats and/or other Skid Steer Loaders (other than bobcats up to and including $\frac{3}{4}$ cu yd.); Oilers; and Brick Forklift.

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics.

OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines: ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types: Creter Crane: Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dowell Machine with Air Compressor; Dredges; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Hydraulic Backhoes; Backhoes with shear attachments; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Trenching Machine; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader-Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; All Locomotives, Dinky; Off-Road Hauling Units (including articulating)/2 ton capacity or more; Non Self-Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Scoops - Tractor Drawn; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper; Scraper - Prime Mover in Tandem (Regardless of Size); Tank Car Heater; Tractors, Push, Pulling Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Fireman on Boilers; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than Asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper-Form-Motor Driven.

Class 4. Air Compressor; Combination - Small Equipment Operator; Directional Boring Machine; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Hydro-Blaster; Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Tractaire; Welding Machines

(2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. Bobcats (all); Brick Forklifts; Oilers.

Class 6. Field Mechanics and Field Welders

Class 7. Gradall and machines of like nature.

OPERATING ENGINEER - FLOATING

Class 1. Craft Foreman; Diver/Wet Tender; and Engineer (hydraulic dredge).

Class 2. Crane/Backhoe Operator; 70 Ton or over Tug Operator; Mechanic/Welder; Assistant Engineer (Hydraulic Dredge); Leverman (Hydraulic Dredge); Diver Tender; Friction and Lattice Boom Cranes.

Class 3. Deck Equipment Operator, Machineryman; Maintenance of Crane (over 50 ton capacity); Tug/Launch Operator; Loader/Dozer and like equipment on Barge; and Deck Machinery, etc.

Class 4. Deck Equipment Operator, Machineryman/Fireman (4 Equipment Units or More); Off Road Trucks (2 ton capacity or more); Deck Hand, Tug Engineer, Crane Maintenance 50 Ton Capacity and Under or Backhoe Weighing 115,000 pounds or less; and Assistant Tug Operator.

TERRAZZO FINISHER

The handling of sand, cement, marble chips, and all other materials that may be used by the Mosaic Terrazzo Mechanic, and the mixing, grinding, grouting, cleaning and sealing of all Marble, Mosaic, and Terrazzo work, floors, base, stairs, and wainscoting by hand or machine, and in addition, assisting and aiding Marble, Masonic, and Terrazzo Mechanics.

TRAFFIC SAFETY

Work associated with barricades, horses and drums used to reduce lane usage on highway work, the installation and removal of temporary lane markings, and the installation and removal of temporary road signs.

TRUCK DRIVER, - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION - EAST & WEST

Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters Unskilled dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over;

Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turntrailers or turnpulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front.

Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

LANDSCAPING

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.

SPECIAL PROVISION
FOR
ALTERNATE PROPOSAL

The Bidder certified that this bid and the unit prices shown on the schedule of prices are based on performing the work in accordance with "An Act Regulating the Wages of Laborers, Mechanics and other Workmen employed under contracts for Public Works" enacted by the 62nd General Assembly and approved June 26, 1941, as amended. Should said Act be declared inoperative, void or unconstitutional at any time, either before or after the awarding of the contract for this project, the bidder agrees to perform the work at a reduction of _____ per cent, of the unit prices shown on the schedule of prices, it being expressly understood and agreed that the within bid shall be and remain in full force and effect, regardless of whether the said Act is declared to be inoperative, void or unconstitutional. The contract for this project is to be awarded on the bases of the unit prices shown on the schedule of prices, and the percentage reduction, if any, act out in this alternative proposal, is to receive no consideration in the award of this contract.

Should the said Act be declared inoperative, void or unconstitutional at any time after the awarding of said contract, whether before, during or after the completion of the work, the said contract shall remain in full force and effect, and shall be subject only to said reduction, if any, in the unit prices shown on the schedule of prices.

NOTE: The Bidder shall insert in the first paragraph the percentage which he will reduce his unit prices, if any, in the event the Act is declared inoperable, void or unconstitutional.

ORDINANCE

BE IT ENACTED BY THE BOARD OF COMMISSIONERS OF THE COUNTY OF COOK, that the Purchasing Agent of Cook County shall specify in the call for bids in any contract for public works that such contractors bidding on public works contracts of the County of Cook shall conform to Illinois Compiled Statutes, Chapter 30, Section 560/1 and following, which Act is entitled "An Act to give preference in the construction of public works projects and improvements to citizens of the United States who have resided in Illinois for one year". The Purchasing Agent in awarding the contract shall cause to be inserted in the contract a stipulation to the effect that the contractor shall conform to the above cited Illinois Statute.

**SPECIAL PROVISION
FOR
RESPONSIBLE BIDDER REQUIREMENT**

In accordance with the provisions of Section 30-22 (6) of the Illinois Procurement Code, the bidder certifies that it is a participant, either as an individual or as part of a group program, in the approved apprenticeship and training programs applicable to each type of work or craft that the bidder will perform with its own forces. The bidder further certifies for work that will be performed by subcontract that each of its subcontractors submitted for approved either (a) is, at the time of such bid, participating in an approved, applicable apprenticeship and training program; or (b) will, prior to commencement of performance of work pursuant to this centered, begin participation in an approved apprenticeship and training program applicable to the work of the subcontract. The Department, at any time before or after award, may require the production of a copy of each applicable Certificate of Registration issued by the United States Department of Labor evidencing such participation by the contractor and any or all of its Subcontractors. Applicable apprenticeship and training programs are those that have been approved and registered with the United States Department of Labor. The bidder shall list in the space below, the official name of the program sponsor holding the Certificate of Registration for all of the types of work or crafts in which the bidder is a participant and that will be performed with the bidder's forces. Types of work or craft work that will be subcontracted shall be included and listed as subcontract work. The list shall also indicate any type of work or craft job category that does not have an applicable apprenticeship or training program. The bidder is responsible for making a complete report and shall make certain that each type of work or craft job category that will be utilized on the project is accounted for and listed.

International Union of Operating Engineers Apprenticeship Program

Laborer's International Union Training Program

The requirements of this certification and disclosure are a material part of the contract, and the contractor shall require this certification provision to be included in all approved subcontracts. In order to fulfill this requirement, it shall not be necessary that an applicable program sponsor be currently taking or that it will take applications for apprenticeship, training or employment during the performance of the work of this contract.

DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION (DBE)

Effective: September 1, 2000

Revised: August 2, 2011

FEDERAL OBLIGATION. The Department of Transportation, as a recipient of federal financial assistance, is required to take all necessary and reasonable steps to ensure nondiscrimination in the award and administration of contracts. Consequently, the federal regulatory provisions of 49 CFR Part 26 apply to this contract concerning the utilization of disadvantaged business enterprises. For the purposes of this Special Provision, a disadvantaged business enterprise (DBE) means a business certified by the Department in accordance with the requirements of 49 CFR Part 26 and listed in the Illinois Unified Certification Program (IL UCP) DBE Directory.

STATE OBLIGATION. This Special Provision will also be used by the Department to satisfy the requirements of the Business Enterprise for Minorities, Females, and Persons with Disabilities Act, 30 ILCS 575. When this Special Provision is used to satisfy state law requirements on 100 percent state-funded contracts, the federal government has no involvement in such contracts (not a federal-aid contract) and no responsibility to oversee the implementation of this Special Provision by the Department on those contracts. DBE participation on 100 percent state-funded contracts will not be credited toward fulfilling the Department's annual overall DBE goal required by the US Department of Transportation to comply with the federal DBE program requirements.

CONTRACTOR ASSURANCE. The Contractor makes the following assurance and agrees to include the assurance in each subcontract that the Contractor signs with a subcontractor.

The Contractor, sub recipient, or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of contracts funded in whole or in part with federal or state funds. Failure by the Contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate.

OVERALL GOAL SET FOR THE DEPARTMENT. As a requirement of compliance with 49 CFR Part 26, the Department has set an overall goal for DBE participation in its federally assisted contracts. That goal applies to all federal-aid funds the Department will expend in its federally assisted contracts for the subject reporting fiscal year. The Department is required to make a good faith effort to achieve the overall goal. The dollar amount paid to all approved DBE companies performing work called for in this contract is eligible to be credited toward fulfillment of the Department's overall goal.

CONTRACT GOAL TO BE ACHIEVED BY THE CONTRACTOR. This contract includes a specific DBE utilization goal established by the Cook County Highway Department. The goal has been included because the Highway Department has determined that the work of this contract has subcontracting opportunities that may be suitable for performance by DBE companies. The determination is based on an assessment of the type of work, the location of the work, and the availability of DBE companies to do a part of the work. The assessment indicates that, in the absence of unlawful discrimination, and in an arena of fair and open competition, DBE companies can be expected to perform 22% of the work. This percentage is set as the DBE participation goal for this contract. Consequently, in addition to the other award criteria established for this contract, the Highway Department will only recommend award this contract to a bidder who makes a good faith effort to meet this goal of DBE participation in the

performance of the work. A bidder makes a good faith effort for award consideration if either of the following is done in accordance with the procedures set for in this Special Provision:

- (a) The bidder documents that enough DBE participation has been obtained to meet the goal: or
- (b) The bidder documents that a good faith effort has been made to meet the goal, even though the effort did not succeed in obtaining enough DBE participation to meet the goal.

DBE LOCATOR REFERENCES. Bidders shall consult the IL UCP DBE Directory as a reference source for DBE-certified companies. In addition, the Department maintains a letting and item specific DBE locator information system whereby DBE companies can register their interest in providing quotes on particular bid items advertised for letting. Information concerning DBE companies willing to quote work for particular contracts may be obtained by contacting the Department's Bureau of Small Business Enterprises at telephone number (217)785-4611, or by visiting the Department's website at www.dot.il.gov.

BIDDING PROCEDURES. Compliance with this Special Provision is a material bidding requirement. The failure of the bidder to comply will render the bid not responsive.

- (a) The bidder shall submit a Disadvantaged Business Utilization Plan on Department forms with the bid.
- (b) The Utilization Plan shall indicate that the bidder either has obtained sufficient DBE participation commitments to meet the contract goal or has not obtained enough DBE participation commitments in spite of a good faith effort to meet the goal. The Utilization Plan shall further provide the name, telephone number, and telefax number of a responsible official of the bidder designated for purposes of notification of plan approval or disapproval under the procedures of this Special Provision.
- (c) The Utilization Plan shall include a DBE Participation Commitment Statement, for each DBE proposed for the performance of work to achieve the contract goal. All elements of information indicated on the said form shall be provided, including but not limited to the following:
 - (1) The names and addresses of DBE firms that will participate in the contract;
 - (2) A description, including pay item numbers, of the work each DBE will perform;
 - (3) The dollar amount of the participation of each DBE firm participating. The dollar amount of participation for identified work shall specifically state the quantity, unit price, and total subcontract price for the work to be completed by the DBE. If partial pay items are to be performed by the DBE, indicate the portion of each item, a unit price where appropriate and the subcontract price amount;
 - (4) DBE Participation Commitment Statements, signed by the bidder and each participating DBE firm documenting the commitment to use the DBE subcontractors whose participation is submitted to meet the contract goal;
 - (5) if the bidder is a joint venture comprised of DBE companies and non-DBE companies, the plan must also include a clear identification of the portion of the work to be performed by the DBE partner(s); and,
 - (6) If the contract goal is not met, evidence of good faith efforts.

GOOD FAITH EFFORT PROCEDURES. The contract will not be awarded until the Utilization

Plan submitted by the apparent successful bidder is approved. All information submitted by the bidder must be complete, accurate and adequately document that enough DBE participation has been obtained or document that good faith efforts of the bidder, in the event enough DBE participation has not been obtained. The Utilization Plan will be approved by the Highway Department if the Utilization Plan documents sufficient commercially useful DBE work performance to meet the contract goal or the bidder submits sufficient documentation of a good faith effort to meet the contract goal pursuant to 49 CFR Part 26, Appendix A. The Utilization Plan will not be approved by the Highway Department if the Utilization Plan does not document sufficient DBE participation to meet the contract goal unless the apparent successful bidder documented in the Utilization Plan that it made a good faith effort to meet the goal. This means that the bidder must show that all necessary and reasonable steps were taken to achieve the contract goal. Necessary and reasonable steps are those which, by their scope, intensity and appropriateness to the objective, could reasonably be expected to obtain sufficient DBE participation, even if they were not successful. The Highway Department will consider the quality, quantity, and intensity of the kinds of efforts that the bidder has made. Mere *pro forma* efforts, in other words, efforts done as a matter of form, are not good faith efforts; rather, the bidder is expected to have taken genuine efforts that would be reasonably expected of a bidder actively and aggressively trying to obtain DBE participation sufficient to meet the contract goal.

(a) The following is a list of types of action that the Highway Department will consider as part of the evaluation of the bidder's good faith efforts to obtain participation. ~~These listed factors are not intended to be a mandatory checklist and are not intended to be~~ exhaustive. Other factors or efforts brought to the attention of the Highway Department may be relevant in appropriate cases, and will be considered by the Highway Department.

- (1) Soliciting through all reasonable and available means (e.g. attendance at pre-bid meetings, advertising and/or written notices) the interest of all certified DBE companies that have the capability to perform the work of the contract. The bidder must solicit this interest within sufficient time to allow the DBE companies to respond to the solicitation. The bidder must determine with certainty if the DBE companies are interested by taking appropriate steps to follow up initial solicitations.
- (2) Selecting portions of the work to be performed by DBE companies in order to increase the likelihood that the DBE goals will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate DBE participation, even when the prime Contractor might otherwise prefer to perform these work items with its own forces.
- (3) Providing interested DBE companies with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation.
- (4) a. Negotiating in good faith with interested DBE companies. It is the bidder's responsibility to make a portion of the work available to DBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available DBE subcontractors and suppliers, so as to facilitate DBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of DBE companies that were considered; a description of the

information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional agreements could not be reached for DBE companies to perform the work.

b. A bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including DBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration. However, the fact that there may be some additional costs involved in finding and using DBE companies is not in itself sufficient reason for a bidder's failure to meet the contract DBE goal, as long as such costs are reasonable. Also the ability or desire of a bidder to perform the work of a contract with its own organization does not relieve the bidder of the responsibility to make good faith efforts. Bidders are not, however, required to accept higher quotes from DBE companies if the price difference is excessive or unreasonable.

- (5) Not rejecting DBE companies as being unqualified without sound reasons based on a thorough investigation of their capabilities. The bidder's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union employee status) are not legitimate causes for the rejection or non-solicitation of bids in the bidder's efforts to meet the project goal.
 - (6) Making efforts to assist interested DBE companies in obtaining bonding, lines of credit, or insurance as required by the recipient or Contractor.
 - (7) Making efforts to assist interested DBE companies in obtaining necessary equipment, supplies, materials, or related assistance or services.
 - (8) Effectively using the services of available minority/women community organizations; minority/women contractors' groups; local, state, and federal minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBE companies.
- (b) If the Highway Department determines that the apparent successful bidder has made a good faith effort to secure the work commitment of DBE companies to meet the contract goal, the Highway Department will recommend award the contract provided that it is otherwise eligible for award. If the Highway Department determines that the bidder has failed to meet the requirements of this Special Provision or that a good faith effort has not been made, the Highway Department will notify the responsible company official designated in the Utilization Plan that the bid is not responsive. The notification shall include a statement of reasons for the determination.
- (c) The bidder may request administrative reconsideration of a determination adverse to the bidder within the **five (5) working days** after the receipt of the notification date of the determination by delivering the request to the Cook County Highway Department, Contract Documents Administrator. Deposit of the request in the United States mail on or before the fifth business day shall not be deemed delivery. The determination shall become final if a request is not made and delivered. A request may provide additional written documentation and/or argument concerning the issues raised in the determination statement of reasons, provided the documentation and arguments address efforts made prior to submitting the bid. The request will be forwarded to the

Highway Department. The Highway Department will extend an opportunity to the bidder to meet in person in order to consider all issues of documentation and whether the bidder made a good faith effort to meet the goal. After the review by the Highway Department, the bidder will be sent a written decision within **ten (10) working days** after receipt of the request for consideration, explaining the basis for finding that the bidder did or did not meet the goal or make adequate good faith efforts to do so. A final decision by the Highway Department that a good faith effort was made shall approve the Utilization Plan submitted by the bidder and shall clear the contract for award. A final decision that a good faith effort was not made shall render the bid not responsive.

CALCULATING DBE PARTICIPATION. The Utilization Plan values represent work anticipated to be performed and paid for upon satisfactory completion. The Highway Department is only able to count toward the achievement of the overall goal and the contract goal the value of payments made for the work actually performed by DBE companies. In addition, a DBE must perform a commercially useful function on the contract to be counted. A commercially useful function is generally performed when the DBE is responsible for the work and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. The Highway Department and Contractor are governed by the provisions of 49 CFR Part 26.55(c) on questions of commercially useful functions as it affects the work. Specific counting guidelines are provided in 49 CFR Part 26.55, the provisions of which govern over the summary contained herein.

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- (a) DBE as the Contractor: 100 percent goal credit for that portion of the work performed by the DBE's own forces, including the cost of materials and supplies. Work that a DBE subcontracts to a non-DBE does not count toward the DBE goals.
 - (b) DBE as a joint venture Contractor: 100 percent goal credit for that portion of the total dollar value of the contract equal to the distinct, clearly defined portion of the work performed by the DBE's own forces.
 - (c) DBE as a subcontractor: 100 percent goal credit for the work of the subcontract performed by the DBE's own forces, including the cost of materials and supplies, excluding the purchase of materials and supplies or the lease of equipment by the DBE subcontractor from the prime Contractor or its affiliates. Work that a DBE subcontractor in turn subcontracts to a non-DBE does not count toward the DBE goal.
 - (d) DBE as a trucker: 100 percent goal credit for trucking participation provided the DBE is responsible for the management and supervision of the entire trucking operation for which it is responsible. At least one truck owned, operated, licensed, and insured by the DBE must be used on the contract. Credit will be given for the following:
 - (1) The DBE may lease trucks from another DBE firm, including an owner-operator who is certified as a DBE. The DBE who leases trucks from another DBE receives credit for the total value of the transportation services the lessee DBE provides on the contract.
 - (2) The DBE may also lease trucks from a non-DBE firm, including from an owner-operator. The DBE who leases trucks from a non-DBE is entitled to credit only for the fee or commission it receives as a result of the lease.

arrangement.

- (e) DBE as a material supplier:
 - (1) 60 percent goal credit for the cost of the materials or supplies purchased from a DBE regular dealer.
 - (2) 100 percent goal credit for the cost of materials of supplies obtained from a DBE manufacturer.
 - (3) 100 percent credit for the value of reasonable fees and commissions for the procurement of materials and supplies if not a regular dealer or manufacturer.

CONTRACT COMPLIANCE. Compliance with this Special Provision is an essential part of the contract. The Highway Department is prohibited by federal regulations from crediting the participation of a DBE included in the Utilization Plan toward either the contract goal or the Department's overall goal until the amount to be applied toward the goals has been paid to the DBE. The following administrative procedures and remedies govern the compliance by the Contractor with the contractual obligations established by the Utilization Plan. After approval of the Utilization Plan and award of the contract, the Utilization Plan and individual DBE Participation Statements become part of the contract. If the Contractor did not succeed in obtaining enough DBE participation to achieve the advertised contract goal, and the Utilization Plan was approved and contract awarded based upon a determination of good faith, the total dollar value of DBE work calculated in the approved Utilization Plan as a percentage of the awarded contract value shall become the amended contract goal. All work indicated for performance by an approved DBE shall be performed, managed, and supervised by the DBE executing the Participation Statement.

- (a) **NO AMENDMENT.** No amendment to the Utilization Plan may be made without prior written approval from the Cook County Chief Procurement Officer. All requests for amendment to the Utilization Plan shall be submitted to the Cook County Office of the Chief Procurement Officer with copies to Cook County Highway Department, Construction Bureau.
- (b) **TERMINATION OR REPLACEMENT.** The Contractor shall not terminate or replace a DBE listed on the approved Utilization Plan, or perform with other forces work designated for a listed DBE except as provided in the Special Provision.
- (c) **CHANGES TO WORK.** Any deviation from the DBE condition-of-award or contract plans, specifications, or special provisions must be approved, in writing, by the Cook County Chief Procurement Officer as provided elsewhere in the Contract. The Contractor shall notify affected DBEs in writing of any changes in the scope of work which result in a reduction in the dollar amount condition-of-award to the contract. Where the revision includes work committed to a new DBE subcontractor, not previously involved in the project, then a Request for Approval of Subcontractor, Department form BC 260A, must be signed and submitted to the Highway Department. If the commitment of work is in the form of additional tasks assigned to an existing DBE subcontract, then a revised Request for Approval of Subcontractor shall be required. However, the Contractor must document efforts to assure that the existing DBE subcontractor is capable of performing the additional work and has agreed in writing to the change.
- (d) **ALTERNATIVE WORK METHODS.** In addition to the above requirements for reductions in the condition of award, additional requirements apply to the two cases of Contractor-initiated work substitution proposals. Where the contract allows alternate work methods which serve to delete or create under runs in condition of award DBE

work, and the Contractor selects that alternate method or, where the Contractor proposes a substitute work method or material that serves to diminish or delete work committed to a DBE and replace it with other work, then the Contractor must demonstrate one of the following:

- (1) That the replacement work will be performed by the same DBE (as long as the DBE is certified in the respective item of work) in a modification of the condition of award; or
- (2) That the DBE is aware that its work will be deleted or will experience under runs and has agreed in writing to the change. If this occurs, the Contractor shall substitute other work of equivalent value to a certified DBE or provide documentation of good faith efforts to do so; or
- (3) That the DBE is not capable of performing the replacement work or has declined to perform the work at a reasonable competitive price. If this occurs, the Contractor shall substitute other work of equivalent value to a certified DBE or provide documentation of good faith efforts to do so.

(e) **TERMINATION AND REPLACEMENT PROCEDURES.** The Contractor shall not terminate or replace a DBE subcontractor listed in the approved Utilization Plan without prior written consent. This includes, but is not limited to, instances in which the Contractor seeks to perform work originally designated for a DBE subcontractor with its own forces or those of an affiliate, a non-DBE firm, or with another DBE firm. Written consent will be granted only if the Chief Procurement Officer agrees, for reasons stated in its concurrence document, that the Contractor has good cause to terminate or replace the DBE firm. Before transmitting to the Chief Procurement Officer any request to terminate and/or substitute a DBE subcontractor, the Contractor shall give notice in writing to the DBE subcontractor, with a copy to the Chief Procurement Officer and Cook County Highway Department - Construction Bureau, of its intent to request to terminate and/or substitute, and the reason for the request. The Contractor shall give the DBE **five (5) days** to respond to the Contractor's notice. The DBE so notified shall advise the Chief Procurement Officer, Highway Department - Construction Bureau and the Contractor of the reasons, if any, why it objects to the proposed termination of its subcontract and why the Chief Procurement Officer should not approve the Contractor's action. If required in a particular case as a matter of public necessity, the Chief Procurement Officer may provide a response period shorter than **five (5) days**.

For purposes of this paragraph, good cause includes the following circumstances:

- (1) The listed DBE subcontractor fails or refuses to execute a written contract;
- (2) The listed DBE subcontractor fails or refuses to perform the work of its subcontract in a way consistent with normal industry standards. Provided, however, that good cause does not exist if the failure or refusal of the DBE subcontractor to perform its work on the subcontract results from the bad faith or discriminatory action of the prime contractor;
- (3) The listed DBE subcontractor fails or refuses to meet the prime Contractor's reasonable, nondiscriminatory bond requirements;
- (4) The listed DBE subcontractor becomes bankrupt, insolvent, or exhibits credit

unworthiness;

- (5) The listed DBE subcontractor is ineligible to work on public works projects because of suspension and debarment proceedings pursuant 2 CFR Parts 180, 215 and 1,200 or applicable state law.
- (6) You have determined that the listed DBE subcontractor is not a responsible contractor;
- (7) The listed DBE subcontractor voluntarily withdraws from the projects and provides to you written notice of its withdrawal;
- (8) The listed DBE is ineligible to receive DBE credit for the type of work required;
- (9) A DBE owner dies or becomes disabled with the result that the listed DBE contractor is unable to complete its work on the contract;
- (10) Other documented good cause that compels the termination of the DBE subcontractor. Provided, that good cause does not exist if the prime Contractor seeks to terminate a DBE it relied upon to obtain the contract so that the prime Contractor can self-perform the work for which the DBE contractor was engaged or so that the prime Contractor can substitute another DBE or non-DBE contractor after contract award.

When a DBE is terminated, or fails to complete its work on the Contract for any reason the Contractor shall make a good faith effort to find another DBE to substitute for the original DBE to perform at least the same amount of work under the contract as the terminated DBE to the extent needed to meet the established Contract goal.

- (f) **PAYMENT RECORDS.** The Contractor shall maintain a record of payments for work performed to the DBE participants. The records shall be made available to the Highway Department for inspection upon request. After the performance of the final item of work or delivery of material by a DBE and final payment therefore to the DBE by the Contractor, but not later than thirty (30) calendar days after payment has been made by the Highway Department to the Contractor for such work or material, the Contractor shall submit a DBE Payment Agreement on Department form SBE 2115 to Cook County Highway Department – Construction Bureau. If full and final payment has not been made to the DBE, the DBE Payment Agreement shall indicate whether a disagreement as to the payment required exists between the Contractor and the DBE or if the Contractor believes that the work has not been satisfactorily completed. If the Contractor does not have the full amount of work indicated in the Utilization Plan performed by the DBE companies indicated in the Utilization Plan and after good faith efforts are reviewed, the Highway Department may deduct from contract payments to the Contractor the amount of the goal not achieved as liquidated and ascertained damages. The Contractor may request an administrative reconsideration of any amount deducted as damages pursuant to subsection (h) of this part.
- (g) **ENFORCEMENT.** The Highway Department reserves the right to withhold payment to the Contractor to enforce the provisions of this Special Provision. Final payment shall not be made on the contract until such time as the Contractor submits sufficient documentation demonstrating achievement of the goal in accordance with this Special

Provision or after liquidated damages have been determined and collected.

- (h) **RECONSIDERATION**. Notwithstanding any other provision of the contract, including but not limited to Article 109.09 of the Standard Specifications, the Contractor may request administrative reconsideration of a decision to deduct the amount of the goal not achieved as liquidated damages. A request to reconsider shall be delivered to the Cook County Chief Procurement Officer with copies to Highway Department – Construction Bureau and shall be handled and considered in the same manner as set forth in paragraph (c) of “Good Faith Effort Procedures” of this Special Provision, except a final decision that a good faith effort was not made during contract performance to achieve the goal agreed to in the Utilization Plan shall be the final administrative decision of the Cook County Chief Procurement Officer.

Assist Agencies

Ms. Shelia Hill, Executive Director
Chicago Minority Business Development Council (C.M.B.D.C.)
1 East Wacker Drive, Suite 1200
Chicago, IL 60601
312-755-8880
312-755-8890 (FAX)

Victor Davis, Contractor Development Program
Chicago Urban League
4510 S. Michigan Avenue
Chicago, IL 60653
773-451-3559
773-285-7772 (FAX)

Carnice Carey, Executive Director
Cosmopolitan Chamber of Commerce
560 West Lake Street, 5th Floor
Chicago, IL 60661
312-786-0212
312-786-9079 (FAX)

Ms. Beth Doria, Executive Director
Federation of Women Contractors
5650 South Archer Avenue
Chicago, IL 60638
312-360-1122
312-360-0239 (FAX)

Illinois Department of Transportation
201 West Center Court
Schaumburg, IL 60196
847-705-4234
847-705-4203 (FAX)

Illinois Road Builders
500 Park Boulevard
Itasca, IL 60143
630-773-1220
630-773-1231 (FAX)

Ms. Joyce Shanahan, Director
Industrial Council of Northwest Chicago
2023 West Carroll Avenue
Chicago, IL 60612
773-421-3941
312-421-1871 (FAX)

Mr. D. Lorenzo Padron, Director of Procurement

009 (IL-CC)
Required Disadvantaged Business Participation

January 30, 2012
9 Page(s) Total

Latin American Chamber of Commerce
3512 West Fullerton Avenue
Chicago, IL 60647
773-252-5211
773-252-7065 (FAX)

Mr. Frank Aguilar, President
Little Village 26TH Street Area Chamber of Commerce
3610 West 26TH Street
Chicago, IL 60623
773-521-5387
312-521-5387 (FAX)

Mr. Perry Gunn, Director
North River Commissioners/Ladcor
4745 North Kedzie
Chicago, IL 60625
773-478-0202

Ms. Angela R. Johnson
Deputy Director of International Trade Bureau
Operation P.U.S.H.
930 East 50TH Street
Chicago, IL 60615
773-373-3366
312-373-3571 (FAX)

Mr. Miguel Nogueras, Executive Director
Puerto Rican Chamber Of Commerce
2450 West Division
Chicago, IL 60622
773-904-7996
773-583-3118 (FAX)

Target Group, Inc.
330 South Wells Street, Suite 400
Chicago, IL 60606
312-873-0200
312-873-0299 (FAX)

Ms. Patricia Showers, Executive Director
Uptown Center Hull House
4520 North Beacon
Chicago, IL 60640
773- 651-3500
312- 561- 3507 (FAX)

Ms. Hedy Ratner, Executive Director

009 (IL-CC)
Required Disadvantaged Business Participation

January 30, 2012
9 Page(s) Total

Women's Business Development Center
8 South Michigan, Suite 400
Chicago, IL 60604
312-853-3477
312-853-0145 (FAX)

Cook County Departments

Cook County Chief Procurement Office
118 N. Clark Street – Room 1018
Chicago, Illinois 60602

Cook County Highway Department
Contract Documents Administrator
69 W. Washington Street – Suite 2200
Chicago, Illinois 60602

Cook County Highway Department
Construction Bureau
69 W. Washington Street – 23rd floor
Chicago, Illinois 60602

COOK COUNTY
HIGHWAY DEPARTMENT
SPECIAL PROVISION
FOR
SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES
NONFEDERAL-AID CONTRACTS

1) General

- a) The requirements set forth herein shall constitute the specific affirmative action requirements under this contract and supplement the non-discrimination requirements contained elsewhere in this proposal.
- b) The contractor will work with the Cook County Highway Department in carrying out Equal Employment Opportunity (EEO) obligations and in their reviews of activities under the contract.
- c) The contractor, and all subcontractors holding subcontracts (not including material suppliers) of \$10,000.00 or more, will comply with the following minimum specific requirement activities of equal employment opportunity the contractor will include these requirements in every subcontract of \$10,000.00 or more with such modification of language as is necessary to make them binding on the subcontractor.

2) Equal Employment Opportunity Policy

The contractor will accept as operating policy the following statement which is designed to further the provision of Equal Employment Opportunity to all persons, and to promote the full realization of equal employment opportunity through a positive continuing program:

"It is the policy of this company to ensure that applicants are employed, and that employees are treated during employment without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, preapprenticeship, and/or on-the-job training."

3) Equal Employment Opportunity Officer

The contractor will designate and make known to the cook county highway department contracting officers an EEO officer who will have the responsibility for and must be capable of effectively administering and promoting an active contractor program of Equal Employment Opportunity and who must be assigned adequate authority and responsibility to do so.

4) Dissemination of Policy

- a) All members of the contractor's staff who are authorized to hire, supervise, promote and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual

responsibilities to provide Equal Employment Opportunity in each grade and classification of employment, to ensure that the above agreement will be met, the following actions will be taken as a minimum:

- (1) periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO officer.
 - (2) All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO officer, covering all major aspects of the contractor's EEO obligations within thirty (30) days following their reporting for duty with the contractor.
 - (3) All personnel who are engaged in direct recruitment for the project will be instructed by the EEO officer in the contractor's procedures for locating and hiring minority and female employees.
- b) In order to make the contractor's EEO policy known to all employees, prospective employees and potential sources of employees, i.e., schools, employment agencies, labor unions (where appropriate), college placement officers, etc., the contractor will take the following actions:
- (1) Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.
 - (2) The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

5) Recruitment

- a) When advertising for employees, the contractor will include in all advertisements for employees the notation: "an Equal Opportunity Employer". All such advertisements will be published in newspapers, or other publications, having a large circulation among minority groups in the area from which the project work force would normally be derived.
- b) The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minority and female applicants; including, but not limited to, state employment agencies, schools, colleges and minority and female organizations. To meet this requirement, the contractor will identify sources of potential minority and female employees, and establish with such identified sources procedures whereby minority and female applications may be referred to the contractor for employment consideration.

In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referral, he is expected to observe the provisions of that agreement to the extent that the system permits the contractor's compliance with eeo contract provisions.

- c) The contractor will encourage present employees to refer minority and female applicants for employment by posting appropriate notices or bulletins in areas accessible to all such employees. In addition, information and procedures with regard to referring minority and female applicants will be discussed with employees.

6) Personnel Actions

Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and terminations, will be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

- a) The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.
- b) The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.
- c) The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.
- d) The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with the obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of the avenues of appeal.

7) Training and Promotion

- a) The contractor will assist in locating, qualifying and increasing the skills of minority and female employees and applicants for employment.
- b) Consistent with the contractor's work force requirements and as permissible under federal and state regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance.
- c) The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.
- d) The contractor will periodically review the training and promotion potential of minority and female employees and will encourage eligible employees to apply for such training and promotion.

Unions

If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use their best efforts to obtain the cooperation of such unions to increase opportunities for minorities and females within the unions and to effect referrals by such unions of minority and female employees. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

- e) The contractor will use best efforts to develop, in cooperation with the unions. Joint training programs aimed toward qualifying more minority and female employees for membership in the unions and increasing the skills of minority and female employees so that they may qualify for higher paying employment.
- f) The contractor will use best efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.
- g) The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the cook county highway department and shall set forth what efforts have been made to obtain such information.
- h) In the event the union is unable to provide the contractor with a reasonable flow of minority and female referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minorities and females. (The U.S. department of labor has held that it shall be no excuse that the union with which the contractor has a collective bargaining agreement providing for exclusive referral failed to refer minorities or female employees). In the event the union referral practice prevents the contractor from meeting the obligations pursuant to these special provisions, such contractor shall immediately notify the cook county highway department.

8) Selection of subcontractors, procurement of materials and leasing of equipment

The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment.

- a) The contractor shall notify all potential subcontractors and suppliers of his/her EEO obligation under this contract.
- b) Disadvantaged business enterprises (DBE), as defined in 49 cfr part 23, shall have equal opportunity to compete for and perform subcontracts which the contractor enters into pursuant to this contract. The contractor will use best efforts to solicit bids from and to utilize DBE subcontractors or subcontractors with meaningful minority and female representation among their employees. Contractors shall obtain lists of DBE construction firms from cook county highway department personnel.

- c) The contractor will use his/her best efforts to ensure subcontractor compliance with their EEO obligations.

9) Records and reports

The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three (3) years following completion of the contract work and shall be available at reasonable times and places for inspection by authorized representatives of the cook county highway department.

- a) The records kept by the contractor shall document the following:
- (1) The number of minorities, non-minorities and females employed in each work classification on the project.
 - (2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and females;
 - (3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minority and female employees; and,
 - (4) The progress and efforts being made in securing the services of DBE subcontractors or subcontractors with meaningful minority and female representation among their employees.
- b) The contractor will submit to the cook county highway department a monthly report every month for the duration of the project, indicating the number of minority, non-minority and female employees currently engaged in each work classification required by contract work and the number of hours worked. This information is to be reported on form SBE-956. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data.

Notice of requirement for affirmative
Action to ensure equal employment
Opportunity (executive order 11246)

- (1) The offeror's or bidder's attention is called to the "equal opportunity clause" and the "standard federal equal employment opportunity construction contract specifications" set forth herein.
- (2) The goals and timetables for minority and female participation, expressed in percentage terms for the contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

APPENDIX A

The following goal for female utilization in each construction craft and trade shall apply to all contractors holding federal and federally assisted construction contracts and subcontracts in excess of \$10,000.00. The goal is applicable to the contractor's total on-site construction workforce, regardless of whether or not

part of that workforce is performing work on a federal, federally assisted or nonfederally related construction contract or sub contract. Area covered (statewide) goals for women apply nationwide.

Goal	Goal (Percentage)
Female Utilization	6.9

APPENDIX B

Until further notice, the following goals for minority utilization in each construction craft and trade shall apply to all contractors holding federal or federally-assisted construction contracts and subcontracts in excess of \$10,000.00 to be performed in the respective geographical areas. The goals are applicable to the contractor's total on-site construction workforce, regardless of whether or not part of that workforce is performing work on a federal, federally-assisted or nonfederally related construction contract or subcontract.

<u>Economic area</u>	<u>Goal (percent)</u>
083 Chicago, IL Smsa Counties: 1600 Chicago, IL - IL - Cook, DuPage, Kane, Lake, Mchenry, Will	19.6

These goals are applicable to all the contractor's construction work (whether or not it is federal or federally assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and nonfederally involved construction. The contractor's compliance with executive order and the regulations in 41 cfr part 60-4 shall be based on its implementation of the equal opportunity clause, specific affirmative action obligations required by the provisions and specifications set forth in its federally assisted contracts, and its efforts to meet the goals established for the geographical area where the contract resulting from this solicitation is to be performed. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from contractor to contractor or from project to project for the sole purpose of meeting the contractor's goals shall be a violation of the contract, the executive order and the regulations in 41 cfr part 60-4. Compliance with the goals will be measured against the total work hours performed.

- (3) As used in this notice, and in the contract resulting from this solicitation, the "covered area" is the entire state of Illinois for the goal set forth in **Appendix A** and the county or counties in which the work is located for the goals set forth in **Appendix B**.

Standard federal equal employment
Opportunity construction contract
Specifications (executive order 11246)

- 1) As used in these specifications:

- a) "covered area" means the geographical area described in the solicitation from which this contract resulted;
- b) "director" means director, office of federal contract compliance programs, united states department of labor, or any person to whom the director delegates authority;
- c) "employer identification number" means the federal social security number used on the employer's quarterly federal

Tax return, U.S. treasury department form 941.

- d) "minority" includes:
 - i) Black (all persons having origins in any of the black African racial groups not of Hispanic origins);
 - ii) Hispanic (all persons of Mexican, Puerto Rican, Cuban, central or south American or other Spanish culture or origin, regardless of race);
 - iii) Asian and pacific islander (all persons having origins in any of the original peoples of the far east, southeast Asia, the Indian subcontinent, or the pacific islands); and
 - iv) American Indian or Alaskan native (all persons having origins in any of the original peoples of north America and maintaining identifiable tribal affiliations through membership and participation or community identification).

- 2) Whenever the contractor, or any subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of \$10,000.00 the provisions of these specifications and the notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.
- 3) If the contractor is participating (pursuant to 41 cfr 60-4.5) in a hometown plan approved by the u.s. department of labor in the covered area wither individually or through an association, its affirmative action obligations on all work in the plan area (including goals and timetables) shall be in accordance with that plan for those trades which have unions participating in the plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such hometown plan. Each contractor or subcontractor participating in an approved plan is individually required to comply with its obligations under the EEO clause, and to make a good faith effort to achieve each goal under the plan in each trade in which it has employees. The overall good faith performance by other contractors or subcontractors toward a goal in an approved plan does not excuse any covered contractor's or subcontractor's failure to take good faith efforts to achieve the plan goals and timetables.
- 4) The contractor shall implement the specific affirmative action standards provided in paragraphs 7a through p of these specifications. The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the contractor should reasonably be able to achieve in each construction trade in

which it has employees in the covered area. Covered construction contractors performing construction work in geographical areas where they do not have a federal or federally assisted construction

Contract shall apply the minority and female goals established for the geographical area where the work is being performed. Goals are published periodically in the federal register in notice form, and such notices may be obtained from any office of federal contract compliance programs office or from federal procurement contracting officers. The contractor is expected to make substantially uniform progress toward its goals in each craft during the period specified.

- 5) Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the contractor's obligations under these specifications, executive order 11246, or the regulations promulgated pursuant thereto.
- 6) In order for the nonworking training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees must be employed by the contractor during the training period, and the contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.
- 7) The contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:
 - a) Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the contractor's employees are assigned to work. The contractor, where possible, will assign two or more women to each construction project. The contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.
 - b) Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.
 - c) Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the street applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the contractor by the union or, if referred, not employed by the contractor, this shall be documented in the file with the reason therefore, along with whatever additional actions the contractor may have taken.
 - d) Provide immediate written notification to the director when the union or unions with which the contractor has a collective bargaining agreement has not referred to the contractor a minority person or woman sent by the contractor, or when the contractor has other information that the union referral process has impeded the contractor's efforts to meet its obligations.

- e) Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the contractor's employment needs, especially those programs funded or approved by the department of labor. The contractor shall provide notice of these programs to the sources complied under 7b above.
- f) Disseminate the contractor's eeo policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the contractor in meeting its eeo obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company eeo policy on bulletin boards accessible to all employees at each location where construction work is performed.
- g) Review, at least annually, the company's eeo policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with onsite supervisory personnel such as superintendents, general foremen, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.
- h) Disseminate the contractor's eeo policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the contractor's eeo policy with other contractors and subcontractors with whom the contractor does or anticipates doing business.
- i) Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the contractor shall send written notifications such as the above, describing the openings, screening procedures, and test to be used in the selection process.
- j) Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of a contractor's workforce.
- k) Validate all tests and other selection requirements here there is an obligation to do so under 41 cfr part 60-3.
- l) Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.
- m) Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and

employment related activities to ensure that the EEO policy and the contractor's obligations under these specifications are being carried out.

- n) Ensure that all facilities and company activities are nonsegregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.
 - o) Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.
 - p) Conduct a review, at least annually, of all supervisors' adherence to and performance under the contractor's EEO policies and affirmative action obligations.
- 8) Contractors are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations (7a through p). The efforts of a contractor association, joint contractor-union, contractor-community, or other similar group of which the contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under 7a through p of these specifications provided that the contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the contractor's minority and female workforce participation, make a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the contractor. The obligation to comply however is the contractor's and failure of such a group to fulfill and obligation shall not be a defense for the contractor's noncompliance.
- 9) A single goal for minorities and a separate single goal for women have been established. The contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the contract may be in violation of the executive order if a particular group is employed in a substantially disparate manner, (for example, even though the contractor has achieved its goal for women generally, the contractor may be in violation of the executive order if a specified minority group of women is underutilized).
- 10) The contractor shall not use the goals and timetables of affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.
- 11) The contractor shall not enter into any subcontract with any person or firm debarred from government contracts pursuant to executive order 11246.
- 12) The contractor shall carry out such sanctions and penalties for violation of the specifications and of the equal opportunity clause, including suspension, termination and cancellation of existing subcontracts, as may be imposed or ordered pursuant to executive order 11246, as amended and its implementing regulations, by the office of federal contract compliance programs. Any contractor who fails to carry out sanctions and penalties shall be in violation of these specifications and executive order 11246, as amended.
- 13) The contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these

specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the contractor fails to comply with the requirements of the executive order, the implementing regulations, or these specifications, the director shall proceed in accordance with 41 cfr 60-4.8.

- 14) The contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being out, to submit reports relating to provisions hereof as may be required by the government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction assigned, social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or laborer), dates of changes of status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors shall not be required to maintain separate records.
- 15) Nothing herein provided shall be construed as a limitation upon the application of other laws which establish standards of compliance or upon the application requirements for the hiring of local or other area residents (e.g., those under the public works employment act of 1977 and the community development block grant program).

SPECIAL PROVISION
FOR
INSURANCE REQUIREMENTS

Within fourteen (14) calendar days of notification of award, the bidder shall provide the following requirements:

1. OWNER'S AND CONTRACTOR'S PROTECTIVE (O.C.P.) LIABILITY INSURANCE

At the time the Proposal is submitted, the Contractor shall furnish the County one (1) original insurance policy binder evidencing Owner's and Contractor's Protective (O.C.P.) Liability Insurance coverage with the County of Cook as the named insured. The amount of Insurance shall be two million dollars (\$2,000,000) each occurrence and two million dollars (\$2,000,000) general aggregate for bodily injury and property damage Combined Single Limit.

1. CONTRACTOR'S INSURANCE

The Contractor shall furnish the County certificates of insurance from the Contractor's insurance carrier, evidencing the insurance coverage required in the following paragraphs:

"This insurance specifically covers liability assumed by the insured under this contract." The certificates shall stipulate that the insurance will not be cancelled or changed while the work is in progress without sixty (60) days prior written notice by certified mail to the Superintendent of Highways.

In the event the insurance is cancelled before the completion of the project, the County shall reserve its rights under the contract, including but not limited to its rights under Article 108.07 of the Standard Specifications For Road and Bridge Construction, to order the job shut down until the Contractor obtains the required insurance in the amounts stated herein or, the County may obtain the coverage required and then shall deduct the appropriate premium cost from the monies due the Contractor.

The Contractor shall provide and maintain the following:

I. Worker's Compensation and Employer's Liability Insurance The Contractor agrees that he and all his Subcontractors will comply with all statutes and laws with regard to Worker's Compensation/Occupational Disease Insurance applying to employees or their beneficiaries. Limits shall be:

• Worker's Compensation	Statutory Limits
• Employer's Liability	Not less than
Bodily Injury by Accident	\$500,000 each accident
Bodily Injury by Disease	\$500,000 each employee

II. Commercial General Liability Insurance Coverage must provide General Aggregate Limit per project; Premises and Operations; Contractor's Protective Liability ("Independence Contractors" Coverage); Products Liability/Completed Operations - Completed Operations coverage will continue in force for two

years from the date of final acceptance by the owner; Contractual Liability; XCU Coverage; Personal Injury and Advertising Injury. Limits shall be:

- **Commercial General Liability** Not less than
Bodily Injury and Property \$1,000,000 each occurrence
Damage Combined Single Limit \$1,000,000 annual general Aggregate
\$1,000,000 Products Liability/Completed Operations

III. Commercial Automobile Liability Insurance Policy must include coverage for all owned, non-owned and hired vehicles. Limits shall be:

- **Automobile Liability** Not less than
Bodily Injury and Property \$1,000,000 each occurrence
Damage Combined Single Limit

IV. Umbrella Liability Insurance Limits shall be:

- **Umbrella Liability** Not less than
Bodily Injury and Property \$2,000,000 each occurrence
Damage Combined Single Limit \$2,000,000 annual aggregate

Coverage shall be in companies subject to approval of the County, said companies shall be licensed to do business in Illinois.

This insurance coverage shall be in force continually until all work to be performed under this contract has been accepted in accordance with the requirements of Article 108.11 of the Standard Specifications for Road and Bridge Construction.

The cost to the Contractor for providing this insurance coverage shall be considered as incidental to the contract and no additional charge will be allowed.

ALL REQUIREMENTS MUST BE MET. Insurance coverage must be evidenced on Policy, as specified in Section 1, and on Certificates of Insurance, as specified in Section 2 (I through IV), before approval will be given by Cook County Risk Management. If the information requested is not evidenced on a certificate, then a copy of the policy itself must be provided with the certificate. The County is not only concerned with the limits of liability, but also with the terms and coverage provided. Section II lists several specific coverages under Commercial General Liability Insurance. These must all be identified on the certificate, in the policy itself or some other form of correspondence on company letterhead and signed by an officer of the company

If the Contractor fails or refuses to deliver insurance as specified in Sections 1 and 2, it will be considered as just cause for cancellation of the award and the deposit accompanying this bid may be forfeited and retained by the County as liquidated damages and not as a penalty.

**SPECIAL PROVISION
FOR
RAILROAD PROTECTIVE LIABILITY INSURANCE**

The contractor will be required to carry Railroad Protective Liability and Property Damage Liability Insurance in accordance with Article 107.11 of the Standard Specifications. The limits under this Special Provision are to be not less than \$5,000,000.00 combined single limit per occurrence for bodily injury liability and property damage liability with an aggregate limit of \$10,000,000.00 over the life of the policy.

NAMED INSURED	NUMBER AND SPEED OF FREIGHT AND/OR PASSENGER TRAINS
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<u>Grand Trunk Western Railroad Company</u>	<u>16 Daily Freight Trains at 50 m.p.h. (max.)</u>
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Basis of Payment - The costs for providing insurance, as noted above, will be paid for as the contract unit price per lump sum for RAILROAD PROTECTIVE LIABILITY INSURANCE.

Approval of Insurance - Within ten (10) calendar days of notice of award, The ORIGINAL AND ONE CERTIFIED copy of each required policy shall be submitted for approval, when applicable.

The Contractor will be advised when the Department has received approval of the insurance from the railroads. Before any work begins on railroad right-of-way, the Contractor shall submit to the Resident Engineer evidence that the required Railroad Protective Liability Insurance has been approved by the railroads. The Contractor shall also provide the Resident Engineer with the expiration date of each required policy.

**SPECIAL PROVISION
FOR
INDEMNIFICATION FOR LOCALS**

Indemnification under Section 107.26 of the Standard Specifications for Road and Bridge Construction is hereby extended to provide same for the following entities, their officers, employees and agents in the same manner as is applicable to Cook County.

The Village of Lansing

**SPECIAL PROVISION
FOR
INDEMNIFICATION**

The Contractor shall indemnify the County of Cook and its commissioners, officials, employees, agents and representatives, and their respective heirs, successors and assigns (the "County") pursuant to the language provided under Section 107.26 of the Standard Specifications for Road and Bridge Construction.

107.26 Indemnification. To the fullest extent permitted by law, the Contractor shall be responsible for any and all injuries to persons or damages to property due to the activities of the Contractor, subcontractors, licensees, invitees, suppliers, agents, or employees arising out of, incident to, or resulting from performance of the contract, or any activity in connection therewith. The Contractor shall indemnify and hold harmless the County of Cook and its commissioners, officials, employees, agents and representatives, and their respective heirs, successors and assigns, from any and all claims, lawsuits, actions, costs, and fees (including reasonable attorney fees and expenses) of every nature or description, arising from, growing out of, or connected with the work, or on account of or in consequence of any neglect in safeguarding the work or on account of or in consequence of using unacceptable materials in constructing the work or because of any act or omission, neglect, or misconduct of the Contractor, its officers, employees, agents, its subcontractor, or subcontractors licensees, invitees, or anyone directly or indirectly employed by them, and/or anyone for whose acts they may be liable or because of any claims or amount recovered by reason of any infringement of any patent, trademark, or copyright or by reason of the violation of any law, ordinance, order or decree. This obligation is binding on the Contractor without regard to whether or not such claim, damage, loss, or expense is caused in part by the act, omission, or negligence of the County and its commissioners, officials, employees, agents and representatives, and their respective heirs, successors and assigns.

In claims against the County by an employee of the Contractor, its officers, employees, agents, its subcontractor, or subcontractors licensees, invitees, or anyone directly or indirectly employed by them, or anyone for whose acts they may be liable, the indemnification herein shall not be limited by a limitation on amount or type of damages payable by or for the Contractor or subcontractor under any employee benefits act including but not limited to the Worker's Compensation Act.

In the event any such claim, lawsuit, or action is asserted, any such money due the Contractor under and by virtue of the contract as shall be deemed necessary by the County for the payment thereof, may be retained by the County for said purpose, or in case no money or insufficient money is due to satisfy such claim, lawsuit, or action, the Contractor's Surety shall remain liable for any payment therefore until any such lawsuit, action, or claim has been settled or has been fully judicially determined and satisfied.

No inspection by the County, its employees or agents shall be deemed a waiver by the County of full compliance with the requirements of the contract. This indemnification shall not be limited by any Performance Bond or insurance protection required of the Contractor in the contract.

SPECIAL PROVISION
FOR
JOINT VENTURES

Contractors submitting a bid as a joint venture shall comply with the following procedures:

- 1) Contractors may combine their available bidding capacity for a single contract to bid as a joint venture.
- 2) The joint venture shall be indicated by the filing of a *Joint Venture Minimum Declaration of Work* for each of the contracts for which joint venture approval is sought. It identifies the managing partner and indicated the kind and the percentage of work to be performed by each joint venture partner with its own workforce and resources other than work reserved to meet any disadvantage business goal advertised in the contract. The form indicated the joint venture agreement shall be included in the bid. In addition, each joint venture partner firm shall submit an *Affidavit of Availability*. The *Joint Venture Minimum Declaration of Work* and all *Affidavits of Availability* must be included in the bid. The proposed joint venture shall not be approved if the establishment of a joint venture would unduly restrict competition. A determination that a proposed venture would unduly restrict competition is limited to any of the following reasons:
 - a) That the proposed joint venture would consist of more than three (3) qualified contractors.
 - b) That the *Joint Venture Minimum Declaration of Work* indicated that any one of the proposed joint ventures partners will perform less than ten percent of the non-disadvantage business work with its own workforce and resources.
 - c) That for letting items estimates by the Department to be bid at less than \$1,000,000.00 more than one of the proposed joint venture partners has the individual qualification ratings and bid the item without the approval of the venture. This determination shall not apply to joint ventures between firms having fifty-one percent or more common controlling ownership or on items where the estimated quantity of asphalt exceeds 10,000 tons or concrete exceeds 5,000 cubic yards. Each proposed joint venture shall submit, with the bid, a *Joint Venture Certificate of Explanation and Justification* for each of the contracts estimated at less than \$1,000,000.00 for which joint venture approval is sought. The form indicated the circumstances which apply to the joint venture. That is there fifty-one percent (51%) or more common controlling ownership, or does one or more parties to the joint venture not have the financial capacity, work capacity or work categories to complete the project. The *Joint Venture Certificate of Explanation* must be included in the bid.
- 3) Contractors whose financial ratings are based upon unaudited financial statements will not be permitted to joint venture with each other to bid contracts which are estimated to exceed \$350,000.00. However, such contractors may be permitted to joint venture with contractors who have a financial rating based upon an audited statement to bid contracts estimated to exceed \$350,000.00.
- 4) If a joint venture work rating is limited by its maximum financial rating, the full value of the computed work rating will be used in analyzing the joint venture approval request. However, the combined maximum work rating in any category shall not exceed the combined maximum financial rating of the joint venture.

- 5) If an approved joint venture is awarded a contract, the kind and percentage of work indicated on the *Joint Venture Minimum Declaration of Work* may be amended as many times as necessary by the contractor provided that each partner of the approved joint venture performs at least ten percent of the nondisadvantaged work with its own workforce and resources.

Copies of all required Joint Venture Forms are attached.

Please note that signed and notarized originals of all required Joint Venture Forms mentioned above must be included in the bid. This includes *Affidavits of Availability* for all parties to the joint venture.

JOINT VENTURE FORMS

Qualified contractors wishing to combine bidding capacity and bid items as joint ventures must submit the appropriate properly completed forms and include them in their bid. The required joint venture forms include: (1) the ORIGINAL *Affidavit of Availability* (BC 57); (2) the ORIGINAL *Joint Venture Minimum Declaration of Work*; and (3) the ORIGINAL *Joint Venture Certificate of Explanation and Justification*.

- 4) Fifty-one percent (51%) common controlling ownership between firms.

Firm #1

Firm #2

Firm #3

has attached statement indicating the relationship of the firms.

- 5) Estimated quantity of asphalt for this item exceeds 10,000 tons.
- 6) Estimated quantity of concrete exceeds 5,000 cubic yards.
- 7) Estimated costs of project are less than \$1,000,000.

I/WE being duly sworn do hereby declare the explanation and justification to be a true and correct statement.

I, WE being duly sworn, do hereby declare the explanation and justification to be a true and correct statement.

Firm #1

Name _____ Title _____
(Print)

Signature (Proprietor, Partner, Officer or Director)

Subscribed and sworn to before me this _____ day of _____, 20____. (Notary Seal)

My commission expires on _____

Notary Public

Firm #2

Name _____ Title _____
(Print)

Signature (Proprietor, Partner, Officer or Director)

Subscribed and sworn to before me this _____ day of _____, 20____. (Notary Seal)

My commission expires on _____

Notary Public

Firm #3

Name _____ Title _____
(Print)

Signature (Proprietor, Partner, Officer or Director)

Subscribed and sworn to before me this _____ day of _____, 20____. (Notary Seal)

My commission expires on _____

Notary Public

This form must be submitted with the bid.



**COOK COUNTY DEPARTMENT OF HIGHWAYS
Joint Venture Minimum Declaration of Work**

Bid Proposal Submission Date: _____
 Item No.: _____
 Joint Venture Name: _____
 Managing Party: _____

Firm #1

Name: _____

Address: _____

Firm #2

Name: _____

Address: _____

Firm #3

Name: _____

Address: _____

Instructions:

Indicate the percentage of work to be performed by each firm with their own forces.

	Firm #1	Firm #2	Firm #3
Earthwork	_____	_____	_____
Portland Cement Concrete Paving	_____	_____	_____
Bituminous Plant Mix	_____	_____	_____
Bituminous Aggregate Mixtures	_____	_____	_____
Miscellaneous Bituminous Paving	_____	_____	_____
Cleaning and Sealing Cracks & Joints	_____	_____	_____
Soil Stabilization and Modification	_____	_____	_____
Aggregate Bases and Surfaces	_____	_____	_____
Highway, Railroad & Waterway Structures	_____	_____	_____
Drainage	_____	_____	_____
Electrical	_____	_____	_____
Cover & Seal Coats	_____	_____	_____
Slurry Applications	_____	_____	_____
Miscellaneous Concrete Construction	_____	_____	_____
Landscaping	_____	_____	_____
Seeding & Sodding	_____	_____	_____
Vegetation Spraying	_____	_____	_____
Tree Trimming & Selective Tree Removal	_____	_____	_____
Fencing	_____	_____	_____

Guardrail	_____	_____	_____
Grouting	_____	_____	_____
Painting	_____	_____	_____
Signing	_____	_____	_____
Paint Pavement Marking	_____	_____	_____
Thermoplastic Pavement Marking	_____	_____	_____
Epoxy Pavement Marking	_____	_____	_____
Installation of Raised Pavement Markers	_____	_____	_____
Pavement Texturing & Surface Removal	_____	_____	_____
Cold Milling, Planning & Rotofilling	_____	_____	_____
Erection	_____	_____	_____
Demolition	_____	_____	_____
Other	_____	_____	_____

I, WE being duly sworn, do hereby declare the explanation and justification to be a true and correct statement.

Firm #1

Name _____ Title _____
 (Print)

Signature (Proprietor, Partner, Officer or Director)

Subscribed and sworn to before me this _____ day of _____, 20____. (Notary Seal)

My commission expires on _____
 Notary Public

Firm #2

Name _____ Title _____
 (Print)

Signature (Proprietor, Partner, Officer or Director)

Subscribed and sworn to before me this _____ day of _____, 20____. (Notary Seal)

My commission expires on _____
 Notary Public

Firm #3

Name _____ Title _____
 (Print)

Signature (Proprietor, Partner, Officer or Director)

Subscribed and sworn to before me this _____ day of _____, 20____. (Notary Seal)

My commission expires on _____
 Notary Public

This form must be submitted with the bid.

SPECIAL PROVISION
FOR
PROPOSAL AGREEMENTS
ADDENDUM RECEIPT

The receipt of the following addenda to the drawings and/or specification is acknowledged:

Addendum No. 1
Dated February 9, 2012

Addendum No. 2
Dated FEBRUARY 10, 2012

Addendum No. _____
Dated _____

Addendum No. _____
Dated _____

Addendum No. _____
Dated _____

NOTE: These Addenda form a part of the Bidding and Contract Documents and modify the Original Documents for this Contract. Receipt of these Addenda shall be acknowledged above. Failure to do so may subject the Bidder to disqualification.

**SPECIAL PROVISION
FOR
PROMPT PAY MECHANISMS**

Federal regulations found in 49 CFR Part 26.29 mandate the Cook County Highway Department to establish a contract clause to require contractors to pay subcontractors for satisfactory performance of their subcontracts within a specific number of days after receipt of each payment made to the contractor, and to require the prompt return of retainage withheld from subcontractors.

This Special Provision establishes the required Federal contract clause, and adopts a fifteen (15) day requirement for the purpose of compliance with the federal regulation regarding payments to subcontractors.

This contract is subject to the following payment obligations:

"As partial payments are made to the contractor in accordance with Article 109.07 of the Standard Specifications for Road and Bridge Construction, the contractor shall make corresponding partial payment within fifteen (15) calendar days to each subcontractor in proportion to the work satisfactorily completed by each subcontractor. The proportionate amount of partial payment due to each subcontractor shall be determined by the quantities measured or otherwise determined as eligible for payment by the Cook County Highway Department and included in the partial payment to the contractor. Subcontractors shall be paid in full, including the return of any retainage previously withheld, within fifteen (15) calendar days after the subcontractor's work has been satisfactorily completed."

This Special Provision does not create any rights in favor of any subcontractor against the County of Cook or authorize any cause of action against the County of Cook on account of any payment, nonpayment, delayed payment or interest claimed by application of this Prompt Payment Special Provision. The Cook County Highway Department will neither determine the reasonableness of any cause for delay of payment nor enforce any claim to payment, including interest. Moreover, the Cook County Highway will not approve any delay or postponement of the fifteen (15) day requirement. State law creates remedies available to any subcontractor or material supplier, regardless of tier, who has not been paid for work properly, performed or material furnished. These remedies are lien against public funds set forth in Section 23© of the Mechanics Lien Act, 770 ILCS 60/23©, and a recovery on the contractors payment bond in accordance with the Public Construction Bond Act, 30 ILCS 550.

SPECIAL PROVISION
FOR
CONTRACT CLAIMS

All References to Sections or Articles in this specification shall be construed to mean specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Cook County Highway Department.

109.09 Contract Claims. Revise the second sentence of subparagraph (a) of Article 109.09 to read:

"All claims shall be submitted to the Engineer."

Revise subparagraph (e) of this Article to read:

"Procedure. The department provides three administrative levels for claims review:

Level I	Resident Engineer
Level II	Bureau Chief, Construction Bureau
Level III	Superintendent of Highways

All Claims shall first be submitted at Level I. This Engineer shall consider all information submitted with the claim within 90 days after receipt. Claims not conforming to this Article will be returned without consideration. The Resident Engineer may schedule a claim presentation meeting if in the Resident Engineer's judgment such a meeting would aid in resolution of the claim, otherwise a decision will be based on the claim documentation submitted. If a decision is not rendered within 90 days, or if the Contractor disputes the decision, an appeal to Level II shall be made by the Contractor. An appeal to Level II shall be made by the Contractor. An appeal to Level II shall be made in writing to the Resident Engineer within 45 days after the date of the Level I decision, and shall include two (2) additional copies of the claim and supporting documentation. Review of the claim a Level II shall be conducted as a full evaluation of the claim. A claim presentation meeting may be schedule if the Bureau Chief, Construction Bureau determines that such a meeting would aid in the resolution of the claim, otherwise a decision will be made on the claim documentation submitted. If a Level II decision is not rendered within 90 days after receipt of the written appeal, or if the Contractor disputes the decision, an appeal at Level III shall be made in writing to the Bureau Chief, Construction Bureau, within 45 days of the date of the Level II decision. Review of the claim at Level III shall be conducted as a full evaluation of the claim. A claim presentation meeting may be scheduled if the Superintendent of Highways determines that such a meeting would aid in resolution of the claim, other a decision will be based on the claim documentation submitted. A Level III final decision will be rendered within 90 days of receipt for appeal.

SPECIAL PROVISION
FOR
PRE-CONSTRUCTION CONFERENCE

After the award of the contract and before construction is started, a conference shall be held at a time and place to be designated by the County.

The purpose of the conference shall be to co-ordinate the work to be performed and adopt a schedule of operations.

The conference will be attended by representatives of the participating agencies together with the public and private agencies whose facilities are involved in the construction of the project.

**SPECIAL PROVISION
FOR
MOBILIZATION**

This Special Provision amends the provisions of Article 671 of the Standard Specifications for Road and Bridge Construction and shall be construed to be a part thereof, superseding any conflicting provisions thereof applicable to the work under the contract.

671 Mobilization. Revise the Article to read:

671.01 Description. This work shall consist of preparatory work and operations necessary for the movement of personnel, equipment, supplies, and incidentals to the project site; for the establishment of offices, buildings, and other facilities necessary for work on the project; and for all other work or operations which must be performed or costs incurred when beginning work on the project.

671.02 Basis of Payment. Upon execution of the contract and a written letter from the Contractor requesting mobilization, three percent of the total contract bid will be paid as the original mobilization payment. The three percent will be recovered according to the following schedule.

- 1) When 10 percent or more of the original contract amount is earned, 1/5 of the original mobilization payment will be deducted from the current pay voucher.
- 2) When 20 percent or more of the original contract amount is earned, a cumulative 2/5 of the original mobilization payment will be deducted from the current pay voucher.
- 3) When 30 percent or more of the original contract amount is earned, a cumulative 3/5 of the original mobilization payment will be deducted from the current pay voucher.
- 4) When 40 percent or more of the original contract amount is earned, a cumulative 4/5 of the original mobilization payment will be deducted from the current pay voucher.
- 5) When 50 percent or more of the original contract amount is earned, the remaining balance of the original mobilization payment will be deducted from the current pay voucher.

SPECIAL PROVISION
FOR
CONSTRUCTION AIR QUALITY
DIESEL VEHICLE EMISSIONS CONTROL
(GREEN CONSTRUCTION ORDINANCE)

Description. Diesel Vehicle Emissions Control. The reduction of construction air emissions shall be accomplished by using cleaner burning diesel fuel. All equipment on the jobsite as defined by section 30-952 (a) of the Cook County Green Construction Ordinance (ORDINANCE) shall be required to use Ultra Low Sulfur Diesel fuel (ULSD) exclusively (15 ppm sulfur content or less). Equipment shall include any "rental" equipment. In addition, the Contractor is required to comply with section 30-954 -3(c) related to engine idling.

Diesel powered equipment in non-compliance will not be allowed to be used on the project site, and is also subject to adjudication in accordance with the attached Ordinance. Liquidated damages as per section 30-955 (c) of the ORDINANCE will not apply until such time as the level 2 or 3 controls are phased in.

The Contractor is required to submit a list of equipment to be used on the project to the Cook County Department of Environmental Control (DEPARTMENT), as stated in section 30-954(a) and (b) of the ORDINANCE, and shall copy the Cook County Highway Department - Construction Bureau on that submittal. The 30 day submittal stipulation cited in section 30-954(a) of the ORDINANCE will be enforced. The Contractor may not begin work on the project unless acknowledgement by the DEPARTMENT of their receipt of the list is provided to the Construction Bureau of the Cook County Highway Department. At this time, the list will be used for statistical data only. The Contractor is not required to meet portions of the ordinance related to level 2 or 3 controls as outlined in the ORDINANCE until such time as stipulated in the ordinance. If additional equipment is to be used on a project that was not on the original equipment list submitted to the DEPARTMENT, the Contractor must follow the same procedure as outlined above. Short term usage of equipment shall be as stated in section 30-952(3)(c)(1) of the ORDINANCE.

The Contractor shall submit copies of monthly summary reports to the DEPARTMENT and include certified copies of the ULSD fuel delivery slips for diesel fuel delivered to the jobsite for the reporting time period, noting the quantity of diesel fuel used.

The ORDINANCE is attached and made a part of this contract. Contact information for the Department of Environmental Control is given below.

Basis of Payment. Any costs associated with compliance with this special provision and the Green Construction Ordinance shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed.

Cook County Department of Environmental Control
69 West Washington Street Room 1900
Chicago, IL 60602
Re: Cook County Green Construction Ordinance
Phone: 312-603-8200

09-0-36

ORDINANCE

Sponsored by

THE HONORABLE TODD H. STROGER, PRESIDENT

AND ROBERTO MALDONADO, JOAN PATRICIA MURPHY AND PETER N. SILVESTRI

COUNTY COMMISSIONERS

Co-Sponsored by

THE HONORABLE JOHN P. DALEY, ELIZABETH "LIZ" DOODY GORMAN,

JOSEPH MARIO MORENO, DEBORAH SIMS, ROBERT B. STEELE

AND LARRY SUFFREDIN, COUNTY COMMISSIONERS

COOK COUNTY GREEN CONSTRUCTION ORDINANCE

BE IT ORDAINED, by the Cook County Board of Commissioners that Chapter 30 Environment, Article IX Green Construction, Sections 30-950 through 30-955 of the Cook County Code is hereby enacted as follows:

ARTICLE IX. GREEN CONSTRUCTION

Sec. 30-950. Board of Commissioners findings.

- a) Diesel exhaust particle pollution poses a clear and present health risk to the people of Cook County. The United States Environmental Protection Agency has classified diesel exhaust as a likely human carcinogen, and has identified diesel particulate matter and diesel exhaust organic gases as toxic air pollutants. Diesel exhaust is also a prime contributor to airborne fine particle pollution that is linked to premature death and other serious cardiovascular and pulmonary problems such as heart attacks, abnormal heart rhythms, atherosclerosis, stroke, asthma attacks, permanent respiratory damage and retardation of lung growth in children.
- b) Cook County is a USEPA designated non-attainment area for fine particulate matter pollution.
- c) The health impacts from diesel emissions particularly affect children, the elderly, and people with weakened immune systems.
- d) Particularly high concentrations of diesel emissions often occur in heavily traveled transportation corridors, intermodal yards, bus depots, and construction sites; these diesel "hot spots" often are found in densely populated, urban areas, disproportionately impacting ethnic minorities and people of lower economic status.

- e) Diesel engine crankcases also are a source of emissions that can seep into the cabin and expose vehicle drivers and passengers to harmful diesel emissions.
- f) Diesel exhaust also contains black carbon emissions, which contribute to global climate change.
- g) Reduction of diesel emissions can help address these human health and environmental problems.
- h) The United States Environmental Protection Agency has enacted requirements over the past few years requiring the substantial reduction of emissions from new diesel engines in both heavy duty highway vehicles and land-based non-road equipment. However, these regulations do not apply to any of the over 11 million existing diesel engines in the United States, most of which emit substantially more pollution and often remain in service for 10 to 30 years, depending on the type of engine and equipment.
- i) Practical, cost-effective measures to substantially reduce diesel particulate emissions are available today, and can be applied to many existing diesel engines. The same technology that limits diesel pollution from new diesel engines can be retrofitted onto existing engines or applied in new replacement engines to reduce diesel emissions by 85% or better.
- j) Therefore, the purpose of this ordinance is to minimize the public health risks from exposure to diesel particulate emissions as expeditiously as practicable.

Sec. 30-951. Definitions.

CARB means the California Air Resources Board.

County, as used in this chapter (with the exception of the use of the words to describe or identify the Government or Board of Commissioners thereof), means all of the territory in the County exclusive of the City of Chicago.

Department means the Cook County Department of Environmental Control.

Fleet means one or more diesel vehicles or mobile or stationary diesel engines owned or operated by the same person or group of related persons.

Heavy duty diesel vehicle means a motor vehicle with a gross vehicle weight rating of at least 8,500 pounds that is powered by a diesel engine.

Level 1 Control means a Verified Diesel Emission Control Device that achieves a particulate matter (PM) emission reduction of 25% or more from uncontrolled engine emission levels.

Level 2 Control means a Verified Diesel Emission Control Device that achieves a particulate matter (PM) emission reduction of 50% or more from uncontrolled engine emission levels.

Level 3 Control means a Verified Diesel Emission Control Device that achieves a particulate matter (PM) emission reduction of 85% or more from uncontrolled engine emission levels, or that reduces emissions to less than or equal to 0.01 grams of PM per brake horsepower-hour. Level 3 Control includes repowering or replacing the existing diesel engine with an engine meeting USE PA's 2007 Heavy-duty Highway Diesel

Standards (66 Fed. Reg. 5002), or in the case of a non-road engine, an engine meeting the USE PA's Tier 4 Nonroad Diesel Standards (69 Fed. Reg. 38958); Level 3 Control also includes new diesel engines meeting said emissions standards.

Motor vehicle means any self-propelled vehicle designed for transporting persons or property on a street or highway, including an on-road diesel vehicle.

Nonroad engine means an internal combustion engine (including the fuel system) that is not used in a motor vehicle or a vehicle used solely for competition, or that is not a stationary source, except that this term shall apply to internal combustion engines used to power generators, compressors or similar equipment used in any construction program or project.

Nonroad Vehicle means a vehicle or equipment that is powered by a nonroad engine, fifty horsepower and greater, and that is not a motor vehicle or a vehicle used solely for competition, which shall include, but not be limited to, excavators, backhoes, cranes, compressors, generators, bulldozers and similar equipment; non-road vehicles do not include locomotives or marine vessels.

Prime Contractor means any person or business entity that enters into a public works contract with Cook County.

Public Works Contract means a contract, budgeted at \$2,000,000 or more, with a County agency for a construction program or project bid by Cook County involving the construction, demolition, restoration, rehabilitation, repair, renovation, or abatement of any building, structure, tunnel, excavation, roadway, park or bridge; a contract with a County agency for the preparation for any construction program or project involving the construction, demolition, restoration, rehabilitation, repair, renovation, or abatement of any building, structure, tunnel, excavation, roadway, park or bridge; or a contract with a County agency for any final work involved in the completion of any construction program or project involving the construction, demolition, restoration, rehabilitation, repair, renovation, or abatement of any building, structure, tunnel, excavation, roadway, park or bridge.

Stationary Generators means a non-mobile machine that uses diesel fuel to produce electrical energy.

Subcontractor means any person or business entity that enters into a contract with a Prime Contractor as defined herein to perform work on a public works contract with Cook County.

Ultra low sulfur diesel fuel means diesel fuel that has a sulfur content of no more than fifteen parts per million.

US EPA means the United States Environmental Protection Agency.

Verified diesel emission control device means:

- a) an emission control device or strategy that has been verified to achieve a specified diesel PM reduction by US EPA or CARB; or
- b) replacement or repowering with an engine that is certified to specific PM emissions performance by USE PA or CARB.

Sec. 30-952. Emission reduction.

- a) Immediately after the effective date of this ordinance, any solicitation for a public works contract and any contract entered into as a result of such solicitation shall include a specification that all contractors in the performance of such contract shall use Ultra Low Sulfur Diesel fuel for diesel motor vehicles, nonroad vehicles, and stationary generators used in the performance of the contract.
- b) Beginning January 1, 2014, for Prime Contractors, and beginning January 1, 2016 for Subcontractors, any solicitation for a public works contract and any contract entered into as a result of such solicitation shall include a specification that a Prime Contractor and all Subcontractors in the performance of such contract shall not operate any heavy-duty diesel vehicle in the performance of a public works contract unless that vehicle has installed Level 3 Controls and unless such controls are properly maintained and operating (as provided by regulations promulgated pursuant to this act). Except that, upon provision by the Prime Contractor or Subcontractors to the agency of appropriate and sufficient documentary evidence:
- (1) Subsection (b) shall not apply to any heavy-duty diesel vehicle on the construction site working three days or less over the life of the project.
 - (2) Subsection (b) shall not apply to any heavy-duty diesel vehicle with respect to which the Department makes a written finding that such vehicle cannot be retrofit with Level 3 Controls, in which case such fleet owner or operator shall install Level 2 Controls that are available and appropriate for such vehicle as determined by the Department. If the Department makes a written finding that any such vehicle cannot be retrofit with Level 2 controls, said vehicle shall be retrofit with Level 1 Controls that are available and appropriate for such vehicle as determined by the Department.
 - (3) Any heavy-duty diesel vehicle that has operational Level 2 Controls installed prior to the effective date of this act shall have an additional one year to meet the requirements of Subsection (b).
- c) Within two years after the effective date of this ordinance, any solicitation for a public works contract and any contract entered into as a result of such solicitation shall include a specification that all contractors in the performance of such contract shall not operate any diesel nonroad vehicle in the performance of a public works contract unless that vehicle has installed Level 2 Controls and unless such controls are properly maintained and operating (as provided by regulations promulgated pursuant to this act). Except that, upon provision by the contract or to the agency of appropriate and sufficient documentary evidence:
- (1) Subsection (c) shall not apply to any diesel nonroad vehicle on the construction site working three days or less over the life of the project.
 - (2) Subsection (c) shall not apply to any diesel nonroad vehicle with respect to which the Department makes a written finding that such vehicle cannot be retrofit with Level 2 Controls, in which case such fleet owner or operator shall install Level 1 Controls that are available and appropriate for such vehicle as determined by the Department.

- (3) Any diesel nonroad vehicle that has operational Level 1 Controls installed prior to the effective date of this act shall have an additional one year to meet the requirements of Subsection (c).
- d) Beginning January 1, 2014, for Prime Contractors, and beginning January 1, 2016 for Subcontractors, any solicitation for a public works contract and any contract entered into as a result of such solicitation shall include a specification that a Prime Contractor and all Subcontractors in the performance of such contract shall not operate any diesel nonroad vehicle in the performance of a public works contract unless that vehicle has installed Level 3 Controls and unless such controls are properly maintained and operating (as provided by regulations promulgated pursuant to this act). Except that, upon provision by the Prime Contractor or Subcontractors to the agency of appropriate and sufficient documentary evidence:
- (1) Subsection (d) shall not apply to any diesel nonroad vehicle on the construction site working three days or less over the life of the project.
 - (2) Subsection (d) shall not apply to any diesel nonroad vehicle with respect to which the Department makes a written finding that such vehicle cannot be retrofit with Level 3 Controls, in which case such fleet owner or operator shall install Level 2 Controls that are available and appropriate for such vehicle as determined by the Department.
 - (3) Any diesel nonroad vehicle that has operational Level 2 Controls installed prior to the effective date of this act shall have an additional one year to meet the requirements of Subsection (d).

Sec. 30-953. Costs.

All costs associated with meeting these requirements are incidental to the overall contract. No additional time or monies will be granted to the Prime Contractor for compliance with these requirements and any associated regulations.

Sec. 30-954. Compliance.

- a) Thirty days before beginning work, the Prime Contractor shall submit to the Department for approval a list of all heavy-duty diesel vehicles, nonroad vehicles, and stationary generators to be used on the project. The list shall include the following:
- (1) Prime Contractor and Subcontractor name and address, plus contact person responsible for the vehicles or equipment.
 - (2) Equipment type, manufacturer, engine model year, engine certification (Tier rating), ECM calibration, horsepower, plate, serial number, and expected fuel usage and/or hours of operation.
 - (3) For the pollution control technology installed: technology type, serial number, make, model, manufacturer, EPA/CARB verification number/level, and installation date.

- b) If the Prime Contractor subsequently needs to bring on site equipment not on the list, the Prime Contractor shall submit the request in writing for prior approval. Additional equipment shall comply with all contract conditions.
- c) During periods of inactivity, idling of diesel on road motor vehicles and nonroad vehicles shall be minimized and shall not exceed the time allowed under state and local laws.
- d) Any public works contract shall provide for enforcement of the contract provisions required by Section 3 and penalties for noncompliance of such provisions.

Sec. 30-955. Enforcement.

- a) Any solicitation for a public works contract subject to the provisions of this section and any contract entered into as a result of such solicitation shall include provisions authorizing independent monitoring and inspection of the Prime Contractor and Subcontractor's compliance with the requirements of this section and requiring that the Prime Contractor and Subcontractor comply with this section. The Prime Contractor shall be liable for a fee of \$200 for the review of Prime Contractor and Subcontractor's compliance with the provisions of this section, and the County may withhold and deduct the fee from monies otherwise due the Prime Contractor.
- b) All vehicles and equipment to which these requirements are applicable will be subject to random inspections to ensure full compliance with these requirements. If any equipment is found to be non-compliant, the Prime Contractor, Subcontractor or Supplier must remove or retrofit this equipment or vehicle within 24 hours or be subject to liquidated damages pursuant to subdivision (c) of this section until that piece of equipment or vehicle is removed from Project.
- c) In the event of a violation of any provision of this section, except as provided, in subdivision (d) of this section, liquidated damages shall be assessed against the Prime Contractor in the amount of \$5,000 for each violation (with each piece of noncomplying equipment and each day of noncompliance being a separate violation, not to exceed a total of \$50,000 for any one piece of equipment). Said liquidated damages are not imposed as a penalty but as an estimate of the damages that the County will sustain from delay in completion of the work, as well as resultant damages to public health of its citizens, which damages by their nature are not capable of precise proof. The County may withhold and deduct from monies otherwise due the Prime Contractor the amount of liquidated damages due the County.
- d) No Prime Contractor or Subcontractor shall make a false statement or claim with respect to any matter material to compliance with the provisions of this section to the County. Any Prime Contractor or Subcontractor making such a false statement shall pay the County up to \$10,000 for each such statement as liquidated damages pursuant to the provisions of subdivision (c) of this section.
- e) Fees and liquidated damages paid to the County under this section shall be placed in the Cook County Environmental Management Fund.

Sec. 30-956. Regulations.

Within six months of the effective date of this act, the Department shall, after written notice and public hearing, promulgate regulations implementing the provisions of this act.

Effective date: This Ordinance shall take effect upon adoption.

Approved and adopted this 19th day of May 2009.

TODD H. STROGER, President

Cook County Board of Commissioners

Attest: DAVID ORR, County Clerk.

**SPECIAL PROVISION
FOR
PROCESSING OF EXTRA WORK PAYMENT REQUESTS**

Contractor's payment requests for Extra Work as identified in Article 104.02 of the Standard Specifications shall be processed in accordance with Article 109.04 of the Standard Specifications and the following additional procedures:

- 1) Contractor shall invoice the County for such Extra Work in accordance with the lump sum price, unit price, or force account as agreed to by the Engineer and Contractor.
- 2) Force account billing for equipment expense shall follow the applicable volume of the Equipment Watch Rental Rate Blue Book (Blue Book). Determination of equipment rates shall follow the IDOT Construction Memorandum 07-09. Also, a copy of the Blue Book calculation for each piece of equipment shall be included with the force account billing.
- 3) Contractor shall submit invoice for such Extra Work after the Extra Work has been fully completed by Contractor within sixty (60) days of completion of the work.
- 4) The Engineer shall review the Contractor's invoice and approve or disapprove the invoice within sixty (60) days after receipt of the invoice.
- 5) If the Engineer disapproves the invoice, the Engineer shall give Contractor notice of the reasons for such disapproval and the Contractor shall resubmit a corrected invoice for the Engineer's review. The County shall have an additional thirty (30) days to review and approve or disapprove the corrected invoice.
- 6) Once the Engineer approves the invoice, the Engineer shall notify the Contractor of such approval and shall present a recommendation for change in plan to the Cook County Board of Commissioners. The Engineer may make interim payment for the approved invoice under the Contract Extra Work item prior to Cook County Board of Commissioners' approval of the change in plan.
- 7) Within thirty (30) days after the Cook County Board of Commissioners' approves the recommendation for change in plan, the Engineer shall present the invoice to the Cook County Board of Commissioners for payment authorization of invoice specific item of work (the New item), and shall delete the corresponding invoice amount from the item for Contract Extra Work.
- 8) A County warrant shall be issued to the Contractor after the Cook County Board of Commissioners authorizes payment of the invoice.

SPECIAL PROVISION
FOR
CONSTRUCTION LAYOUT STAKES AND SURVEY CONTROL POINTS

This Special Provision amends the provisions of the Standard Specifications for Road and Bridge Construction and shall amend or supercede the provisions of Article 105.09 Survey Control Points.

105.09 Construction Layout Stakes. The Contractor will be required to furnish and place construction layout stakes for this project and will locate and reference the centerline of survey and all intersecting roads and streets and will establish bench marks along the line of the improvement outside construction limits. One bench mark will be established for use at each structure over twenty-foot span. Locating and referencing the centerline of survey shall consist of locating and referencing control points such as point of curvature, point of tangent, and sufficient points on tangent to provide a line of sight. Control points shall be identified in the field to the Engineer and the field notes shall be kept in the office of the Resident Engineer.

The Contractor shall provide field forces and set all additional stakes for this project, including interchanges, which are needed to establish offset stakes, reference points, slope stakes, pavement and curb line and grade, stakes for bridges, culverts, sewers and drainage structures, paved gutters, walls, monuments, fence, right-of-way lines, and any other horizontal or vertical controls, including supplementary bench marks, necessary to secure a correct layout of the work. Grading slope stakes shall be set at sufficient intervals (not to exceed 30 meters (100 feet)) to accurately outline the slopes. Stakes for line and grade of pavement and/or curb shall be set at sufficient station intervals (not to exceed 15 meters (50 feet)) to assure substantial conformance to plan line and grade. Staking of right-of-way lines shall consist of placing tall stakes, properly identified and readily discernible, at points of change in width or direction of the right-of-way and at points along the line so that at least two of the stakes can be seen distinctly from any point of the line. Right-of-way lines shall be staked at locations where construction is to be performed, prior to beginning construction. The Contractor will not be required to set additional stakes to locate a utility line which is not included as a pay item in the contract, or to determine the property line between properties.

The Contractor shall be responsible for having the finished work substantially conform to the lines, grades, elevations and dimensions called for in the plans. Any inspection or checking of the Contractor's layout by the County Engineer and the acceptance of all or any part of it shall not relieve the Contractor of his responsibility to secure the proper dimensions, grades and elevations of the several parts of the work. The Contractor shall exercise care in the preservation of stakes and bench marks, and shall have them reset at his expense when any are damaged, lost, displaced or removed. The Contractor shall use competent personnel and suitable equipment for the layout work required. The Contractor shall not engage the services of any person or persons in the employ of the Cook County Highway Department for the performance of any of the work covered by this item.

It is emphasized that the establishment of the centerline of survey and benchmark circuit is critical to start up of construction and must be accomplished at the earliest possible time by the Contractor, properly documented and approved by the Resident Engineer as described below.

RESPONSIBILITY OF THE COUNTY

- a) The County will check both horizontal and vertical clearances at all grade separations.

- b) The County will make random checks of the Contractor's staking to determine if the work is in substantial conformance with the plans. Where the Contractor's work will tie into the work that is being or will be done by others, checks will be made to determine if the work is in conformance with the proposed overall grade and horizontal alignment.
- c) The County will set all stakes for utility adjustments and for building fences along the right-of-way line by parties other than the Contractor.
- d) Immediately after the Contractor has staked the drainage structures, County forces will check the staking, either visually or by instrument, to determine if the structures fit the waterways in horizontal alignment and vertical elevation. If it is necessary to redesign the drainage structure, the County will furnish a revised design and restake the structure.
- e) The County will make all measurements and take all cross-sections from which the various pay items are to be measured, such as, cross-sections for all borrow pits and channel change, additional measurements needed to determine the amount of special excavation and classified excavation and all measurements on which the depth of sub-bases, bases or portland cement concrete pavement are to be verified.
- f) Where the Contractor in setting construction stakes discovers discrepancies, the County will check to determine their nature and make whatever revisions are necessary in the plans, including the recross-sectioning of the area involved, and all additional restaking necessary.
- g) The County will check the Contractor's horizontal layout staking of all structures over 6 meters (20 feet) in span length. The County will accept the responsibility for the accuracy of these stakes, after the County completes their check, provided they are protected by the Contractor to the extent that no displacement occurs. The County will not be responsible for transferring the lines to the work.
- h) The County will accept responsibility for the accuracy of specific stakes that are covered by random instrument checks and recorded, provided no displacement occurs.
- i) It is not the responsibility of the County to check the correctness of the Contractor's stakes except as provided herein; however, any errors that are apparent shall be immediately called to the Contractor's attention and he shall be required to make the necessary correction before the stakes are used for construction purposes.
- j) On the jobs where the plan quantities for excavation are to be used as the final pay quantities, it will be necessary for the County to make sufficient checks to determine if the work has been completed in substantial conformance with the plan cross-sections.
- k) All measurements necessary to determine the final pay item quantities must be made by the County independently of the Contractor's station stakes and any bench marks established by the Contractor.
- l) If requested, the County will furnish a schedule showing the pavement profile grade elevations at intervals of 7.5 meters (25 feet) and/or provide computer services necessary to establish remote control for complex interchanges and/or structures.

RESPONSIBILITY OF THE CONTRACTOR

- a) The Contractor will locate and reference the centerline of all roads and streets except interchange ramps. The centerline of private entrances and short street intersection returns need not be located or referenced by the Contractor.
- b) Locating and referencing the centerline of survey will consist of locating and referencing the control points of the centerline such as PC's, PT's and as many POT's as are necessary to provide a line of sight.
- c) Bench marks will be established along the project outside of construction lines and at each major structure over 6 meters (20 feet) in span length, and intervals not exceeding 300 meters (1000 feet) horizontally and 6 meters (20 feet) vertically.
- d) Stakes set for A. and B. above shall be identified in the field to the Engineer and the field notes kept in the Resident Engineer's office for reference by him.
- e) The Contractor will set all other stakes necessary to establish limits and elevations of the work and shall define right-of-way for the project.
- f) The right-of-way shall be considered to be defined when stakes readily discernible, have been placed at points of change in width or direction of the right-of-way line and at points along the line so that at least two such right-of-way stakes can be seen from any point on the line. The Contractor should note that utility relocation may be dependent upon the proper delineation of right-of-way. Staking of the right-of-way must be accomplished at the earliest possible time.
- g) The Contractor will not be required to set additional stakes to locate a utility line or to determine the property line between properties.
- h) Field notes shall be kept in standard survey field note books and these books shall become the property of the Cook County Highway Department at the completion of the project.
- i) It is not considered the responsibility of the Contractor to make a detailed check of the accuracy of the plans, however, it is expected that the Contractor will advise the County promptly of known errors in the plans.

This item will be paid for at the contract lump sum price for CONSTRUCTION LAYOUT STAKES AND SURVEY CONTROL POINTS, which price shall be payment in full for all services, materials, labor, equipment, tools and incidentals to complete this item.

SPECIAL PROVISION
FOR
MUNICIPAL COORDINATION/TRANSFER OF
JURISDICTION AND/OR MAINTENANCE

Upon completion of the improvement provided for by the contract, the jurisdiction and/or maintenance of certain portions of the completed work will be transferred from the Cook County Highway Department to the Village of Lansing. The agency accepting jurisdiction and/or maintenance will have the opportunity to observe the project under construction, bring to the attention of the County's Resident Engineer any matters of concern with respect to same, and to have the opportunity to participate in the final inspection of the completed project. The jurisdictional/maintenance agreement specifies a transfer of jurisdiction/maintenance subject to local agency project acceptance. The contractor shall take this into consideration when bidding on this project. Any coordination efforts by the contractor shall be incidental to this contract.

**SPECIAL PROVISION
FOR
ENGINEER'S FIELD OFFICE**

This Special Provision amends the provisions of the Standard Specifications for Road and Bridge Construction and shall be construed to be a part thereof.

670.01 Description. Add the following paragraph:

Subject to the discretion of the Resident Engineer, each field office shall be furnished with a Nuclear Density Gauge box permanently affixed to the inside of the office. The storage box shall be constructed of steel or 19 mm (3/4 inch) plywood and have minimum dimensions of 450 mm (18 inches) wide, 600 mm (24 inches) long and 800 mm (32 inches) high with a front opening door of not less than a 400 mm (16 inch) by 750 mm (30 inch) opening. Door shall be affixed with hasp for lock and tamperproof hinges. The Engineer shall furnish a lock for the door. The front of the storage box shall be placarded with a standard Radiation Warning Sign with the following wording: "RADIATION -- CAUTION RADIOACTIVE MATERIALS."

670.02 Engineer's Field Office Type A. Add the following to Article 670.02, paragraph 6:

- (n) One digital copy machine capable of reproducing prints up to 11 in. X 17 in. from nontransparent master sheets, as black or blue lines on white paper, including maintenance, activating agent and power source. 8.5 in. x 11 in., 8.5 in. x 14 in. and 11 in. x 17 in. reproduction paper shall be included to the satisfaction of the Engineer. The copy machine shall have an automatic document feed.

The digital copy machine must be capable of scanning and printing to and from a computer. The Contractor shall provide all patch cords and software required to make the equipment operational.

- (o) Three (3) cellular phones which have the capacity of both cellular call capacity and two (2) way communication, Nextel or equal. These cellular phones will be for exclusive use by the Engineer and the Engineer's support staff, must have established voice mail, hands free adaptors, belt clips and car adaptors. All of the cellular phones and services must be compatible with each other. The cellular phones will include maintenance and operating costs.
- (p) One digital camera with 7 megapixel minimum resolution, batteries to operate camera and digital camera case.
- (q) An upright or new shop vacuum with a Hepa-Filter and any miscellaneous cleaning supplies necessary for the Engineer to maintain the Field Office. A weekly cleaning service will be an acceptable alternative.
- (r) The following suggested office and field supplies shall be furnished to the Engineer prior to the commencement of the project. The Contractor must coordinate with the Resident Engineer prior to purchase.

OFFICE :

Adjustable Hole Punch, Black (3-Hole)	1 Each
Bankers Box, Legal size With String and Button Closure	4 Pack
Binder Clips, Large, 2", Box of 12 Each	2 Each
Binder Clips, Medium, 1 ¼", Box of 12 Each	2 Each
Binder Dividers, Avery index marker or equivalent	1 Each
Binder, Black 1" Capacity	1 Each
Binder, Black, 1-1/2" Capacity	2 Each
Binder, Black, 3" Capacity	1 Each
Calendar, At-A-Glance 3-Month Wall or equivalent	1 Each
Calendar, At-A-Glance Black Compact Desk Calendar Base for 3" x 3 ¾" Calendar or equivalent	1 Each
Calendar, At-A-Glance Compact Desk Refill or equivalent, 3" x 3 ¾"	1 Each
Clipboard, Legal	2 Each
Correction Fluid, Multipurpose, White	1 Each
DVD Cases, Slim Line, 25 Count	1 Pack
DVD Discs, R.W., 25 Count	1 Pack
Folders, Manila 250 Count Letter 1/3 Cut File	1 Box
Highlighters, Assorted Fluorescent Colors, 4 Count	1 Pack
Labels, Multipurpose White 500 Count, 3/4" x 1 ½"	1 Pack
Letter Trays, Stackable, Pack of 6	1 Each
Markers, Large, Permanent, Black	12 Each
Markers, Sharpie, Black or equivalent	12 Each
Memory Card, 2 Gig SD for Digital Camera	1 Each
OIC, Ideal Clamps, Small Box of 50	2 Each
Paper Clips, Jumbo No. 1, Regular, Box of 100	2 Each

Paper Clips, No. 1, Regular, Box of 100	2 Each
Paper, Quadrille Pad, 8 1/2" x 11"	6 Each
Paper, Standard Canary Letter Pads, 6 Count, 8 1/2" x 11 3/4"	1 Pack
Pen, Black	2 Pack
Pen, Red	1 Pack
Pencil, Lead Refill, 0.5 mm, Tube of 12	2 Each
Pencils, Disposable	2 Pack
Pencils, Color (Green)	1 Pack
Pencils, Color (Orange)	1 Pack
Pencils, Color (Red)	1 Pack
Pencils, Color (Yellow)	1 Pack
Pencils, Pentel Forte or equivalent, Automatic Pencil, 0.5 mm	3 Each
Pencils, Zebra Rubber Sharpo Mechanical Pencil or equivalent	2 Each
Post-It Memo Cubes, 3 7/8" x 3 7/8", Cube of 300 Sheets	1 Each
Post-It Notes, Yellow, 12 Count 3" x 3"	1 Pack
Rubber Bands, #16, 1 lb., 2" x 1/16"	1 Each
Rubber Bands, #32, 1 lb., 3" x 1/8"	1 Each
Scissors, Deskwork's or equivalent	1 Each
Staple Remover, Pinch Type	1 Each
Stapler, Black Deluxe Standard	1 Each
Tape Dispenser	1 Each

Tape, Transparent Refills 3/4" 6 Each

FIELD:

Ruler; 6 ft., inch/tenth 6 Each

Tape, 100 ft, Fiberglass with Handle 1 Each

Tape, 25 ft. inch/tenth, Retractable, Lufkin or equivalent 2 Each

Wheel, Measuring English 1 Each

Note: The above list is an estimate. The Resident Engineer reserves the right to modify the list to meet his/her field and office needs to properly administer the contract. The estimated cost for the specified supplies is \$650.00. The items in 670.02 (r) will not be returned to the Contractor.

(s) The Contractor must supply the following technology to establish an Internet Service Provider, ISP, at the Engineer's Field Office. All costs related with equipment, installation, maintenance and service will be included with this Special Provision:

1. MUST be a commercial service; NOT a home service
2. MINIMUM 768 kbs Bandwidth

The County Highway Department Engineering Computer Division contact person is as follows:

Abe Zingher
 Cook County Administration Building
 Room 2400
 69 West Washington Street
 Chicago, Illinois 60602-3007
 Work: (312) 603-1754
 E-mail: abzinger@cookcountygov.com

**SPECIAL PROVISION
FOR
CONSTRUCTION DEBRIS**

Add the following to the third paragraph of Article 202.03 of the Standard Specifications:

"The Contractor shall not conduct any generation, transportation, or recycling of construction or demolition debris, clean or general or uncontaminated soil generated during construction, remodeling, repair, and demolition of utilities, structures, and roads that is not commingled with any waste, without the maintenance of documentation identifying the hauler, generator, place of origin of the debris or soil, the weight or volume of the debris or soil, and the location, owner, and operator of the facility where the debris or soil was transferred, disposed, recycled or treated. This documentation must be maintained by the Contractor for 3 years."

**SPECIAL PROVISION
FOR
CLEAN CONSTRUCTION AND DEMOLITION DEBRIS**

In accordance with the State of Illinois Environmental Protection Act, the Cook County Highway Department (the Department), as "Site Owner" at the subject highway improvement location, is required to certify that all materials to be taken to an uncontaminated soil fill location, including uncontaminated soil and clean construction and demolition debris, are to be certified as uncontaminated soil.

The Department has performed sufficient testing at the site and has determined that soils to be excavated per the plans as well as existing concrete and asphalt pavement materials meet the criteria to be considered clean construction and demolition debris. Exceptions are listed below*. In accordance with the Act, the certification is made per IEPA Form LPC-663. A copy of the completed Form LPC-663 has been attached to this special provision. The original form is available from;

Ms. Holly Cichy
Chief Engineer of Construction
Cook County Highway Department
69 W. Washington St., 23rd Floor
Chicago, IL 60602
(312) 603-1610

The Contractor is expected to be thoroughly familiar with the provisions of the Environmental Protection Act as it relates to proper disposal of excavated material and construction debris. Should the Contractor choose to dispose of surplus soil material at a registered uncontaminated soil fill location, this form must be submitted to the operator of that location before any materials can be disposed of at that site. The Contractor should be advised that, even with the submittal of the properly executed Form LPC-663, the fill operators retain the right to reject any or all loads from a particular construction site based on their own determination of the suitability of material from that site. Each certification covers only material from that specified job site. The Contractor shall take care not to stockpile or mix together material from different sites before taking that material for disposal.

This special provision is not to be construed as a requirement that obligates the Contractor to dispose of surplus material at a registered uncontaminated soil fill location.

* Based on the Department's investigation and location history including the possible determination of a LUST site or other risk indicators, it has been determined that materials excavated at the following locations may not meet the Clean Construction and Demolition Debris requirements:

*** NO EXCEPTIONS WERE LOCATED.**

This Special Provision will modify Article 669 of the Standard Specifications as follows:

The Contractor is advised to consider the cost of disposing of all non-special or special waste materials as delineated herein and reflect those costs in their bids for Earth Excavation or other appropriate items which may include soils removal. No pay item for Non-Special Waste Removal, Special Waste Removal or Hazardous Waste Removal has been included in this contract, but the requirements for removal of such materials shall be in accordance with Article 669. An item to be paid for at the Lump Sum price for **SPECIAL WASTE PLANS AND REPORTS** has been included in the Summary of Quantities, the requirements for which shall also be in accordance with Article 669.

August 23, 2011

Mr. Frank Williams, P.E., S.E.
Cook County Highway Department
69 W. Washington, Room # 2100
Chicago, Illinois 60602-1369

RE: Characterization of Soils from the Road Improvement Project along Wentworth Avenue between Ridge Road and Lansing Road in Lansing, Illinois - - AECOM Project No. 60220543

Attention: Robert F. Mack, P.E. - Drainage and Utilities Head

Dear Mr. Williams:

The Cook County Highway Department (CCHD) has a road improvement project at the above-referenced site. The CCHD would like to have the excess soils from this project taken to a Clean Construction and Demolition Debris (CCDD) facility. With the enactment of Public Act 96-1416 on July 30, 2010, these soils require a form (IEPA Form LPC-663) that indicates the material is CCDD compliant as defined in the regulations. The CCDD rules require that the soils are below the TACO Tier 1 Cleanup Objectives in 35 IAC 742. The IEPA form is now required in order for the material to be accepted at CCDD facilities.

AECOM was retained to assist in the characterization of the soils at the site. On August 5 and 9, 2011 AECOM collected representative soil samples of the material. AECOM advanced 16 Geoprobe borings (approximately every 500 feet) to a depth of approximately two feet below existing grade.

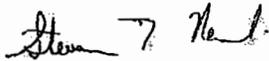
During the sample collection, AECOM used a photo-ionization detector (PID) to screen the soils. The PID is a trace gas analyzer which is calibrated to an isobutylene standard and has a minimum sensitivity of one part per million vapor concentration. The PID is capable of detecting volatile organic compounds with ionization potentials of 10.2 electron volts or less. In addition to the PID screening, visual and olfactory observations of the excavation and soils were also made to assist in the contamination screening. None of the recovered soil samples exhibited elevated PID readings, staining or odors.

AECOM collected one representative soil samples from each boring. The samples were placed in laboratory prepared containers, properly preserved and shipped under chain-of-custody control to a subcontract laboratory. Eight of the samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and RCRA total and TCLP metals. The other eight samples were placed on hold for potential future chemical analysis, if needed to delineate any identified contamination.

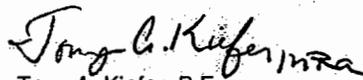
A copy of the analytical results is attached for reference. Table 1 provides the sample locations, the laboratory results and the TACO Tier 1 Cleanup Objectives from 35 IAC 742. A comparison of the laboratory results indicates that the VOCs, SVOCs and RCRA metal concentrations were either below the laboratory's detection limits or the Tier 1 Cleanup Objectives in each of the samples analyzed. Based on the laboratory results, the soil meets the criteria for clean fill. An executed IEPA form (IEPA Form LPC-663) is enclosed for submittal to the clean fill facility.

AECOM appreciates the opportunity to assist the Cook County Highway Department on this project. Should you have any questions regarding this project, please contact the undersigned.

Sincerely,



Steven T. Newlin
Senior Project Geologist



Tony A. Kiefer, P.E.
Principal Engineer

Attachments:

Table 1 - Analytical Summary
Laboratory Report
IEPA Certification Form

Table 1
Wentworth Road
Lansing, Illinois
Cook County Highway Department

Analyte	Laboratory ID : 11080238-001 11080238-003 11080238-005 11080238-007 11080238-009 11080238-002 11080238-004 11080238-006														
	Client Sample ID : B-1 B-3 B-5 B-7 B-9 B-11 B-13 B-15														
	Date Collected : 08/05/2011 08/05/2011 08/05/2011 08/05/2011 08/05/2011 08/09/2011 08/09/2011 08/09/2011 08/09/2011 08/09/2011														
Analyte	Industrial Chemicals		Consumer Products		Soil Contaminants		Soil Compounds		Background						
	Upper Limit	Lower Limit	Upper Limit	Lower Limit	Upper Limit	Lower Limit	Upper Limit	Lower Limit	Upper Limit	Lower Limit					
Acetone	100	1.6	2,300	2.2	100,000	25	25	<0.069	<0.078	<0.07	<0.082	<0.081	<0.078	<0.073	<0.07
Benzene	100	1.6	2,300	2.2	100,000	0.03	0.17	<0.0046	<0.0052	<0.0046	<0.0055	<0.0054	<0.0052	<0.0048	<0.0047
Bromodichloromethane	92	3,000	2,000	3,000	3,000	0.6	0.6	0.0065	<0.0052	<0.0046	<0.0055	<0.0054	<0.0052	<0.0048	<0.0047
Bromoform	720	100	16,000	140	140	0.8	0.8	<0.0046	<0.0052	<0.0046	<0.0055	<0.0054	<0.0052	<0.0048	<0.0047
Bromomethane	2,900	15	1,000	3.9	3.9	0.2	1.2	<0.0092	<0.01	<0.0093	<0.011	<0.011	<0.01	<0.0097	<0.0094
2-Butanone	---	---	---	---	---	---	---	<0.069	<0.078	<0.07	<0.082	<0.081	<0.078	<0.073	<0.07
Carbon disulfide	200,000	720	20,000	9.0	32	160	32	<0.046	<0.052	<0.046	<0.055	<0.054	<0.052	<0.048	<0.047
Carbon tetrachloride	44	0.64	410	0.90	0.07	0.33	0.33	<0.0046	<0.0052	<0.0046	<0.0055	<0.0054	<0.0052	<0.0048	<0.0047
Chlorobenzene	41,000	210	4,100	1.3	1	6.5	1	<0.0046	<0.0052	<0.0046	<0.0055	<0.0054	<0.0052	<0.0048	<0.0047
Chloroethane	---	---	---	---	---	---	---	<0.0092	<0.01	<0.0093	<0.011	<0.011	<0.01	<0.0097	<0.0094
Chloroform	940	0.54	2,000	0.76	0.6	2.9	2.9	0.054	<0.0052	<0.0046	<0.0055	<0.0054	<0.0052	<0.0048	<0.0047
Chloromethane	---	---	---	---	---	---	---	<0.0092	<0.01	<0.0093	<0.011	<0.011	<0.01	<0.0097	<0.0094
Dibromochloromethane	41,000	1,300	41,000	1,300	0.4	0.4	0.4	<0.0046	<0.0052	<0.0046	<0.0055	<0.0054	<0.0052	<0.0048	<0.0047
1,1-Dichloroethane	200,000	1,700	200,000	130	23	110	110	<0.0046	<0.0052	<0.0046	<0.0055	<0.0054	<0.0052	<0.0048	<0.0047
1,2-Dichloroethane	63	0.70	1,400	0.99	0.02	0.1	0.1	<0.0046	<0.0052	<0.0046	<0.0055	<0.0054	<0.0052	<0.0048	<0.0047
cis-1,2-Dichloroethane	100,000	470	10,000	3.0	0.06	0.3	0.3	<0.0046	<0.0052	<0.0046	<0.0055	<0.0054	<0.0052	<0.0048	<0.0047
trans-1,2-Dichloroethane	20,000	1,200	20,000	1,200	0.4	1.1	1.1	<0.0046	<0.0052	<0.0046	<0.0055	<0.0054	<0.0052	<0.0048	<0.0047
1,2-Dichloropropane	41,000	3,100	41,000	3,100	0.7	3.4	3.4	<0.0046	<0.0052	<0.0046	<0.0055	<0.0054	<0.0052	<0.0048	<0.0047
cis-1,3-Dichloropropene	84	23	1,800	0.30	0.03	0.15	0.15	<0.0046	<0.0052	<0.0046	<0.0055	<0.0054	<0.0052	<0.0048	<0.0047
trans-1,3-Dichloropropene	57	2.1	1,200	0.39	0.004	0.02	0.02	<0.0018	<0.0021	<0.0019	<0.0022	<0.0022	<0.0021	<0.0019	<0.0019
Ethylbenzene	200,000	400	20,000	58	13	19	19	<0.0046	<0.0052	<0.0046	<0.0055	<0.0054	<0.0052	<0.0048	<0.0047
2-Hexanone	---	---	---	---	---	---	---	<0.018	<0.021	<0.019	<0.022	<0.022	<0.021	<0.019	<0.019
4-Methyl-2-pentanone	---	---	---	---	---	---	---	<0.018	<0.021	<0.019	<0.022	<0.022	<0.021	<0.019	<0.019
Methylene chloride	760	24	12,000	34	0.02	0.2	0.2	<0.0092	<0.01	<0.0093	<0.011	<0.011	<0.01	<0.0097	<0.0094
Methyl tert-butyl ether	20,000	8,800	2,000	140	0.32	0.32	0.32	<0.0046	<0.0052	<0.0046	<0.0055	<0.0054	<0.0052	<0.0048	<0.0047
Styrene	410,000	1,500	41,000	430	4	18	18	<0.0046	<0.0052	<0.0046	<0.0055	<0.0054	<0.0052	<0.0048	<0.0047
1,1,2,2-Tetrachloroethane	---	---	---	---	---	---	---	<0.0046	<0.0052	<0.0046	<0.0055	<0.0054	<0.0052	<0.0048	<0.0047
Tetrachloroethane	110	20	2,400	28	0.06	0.3	0.3	<0.0046	<0.0052	<0.0046	<0.0055	<0.0054	<0.0052	<0.0048	<0.0047
Toluene	410,000	650	410,000	42	12	29	29	<0.0046	<0.0052	<0.0046	<0.0055	<0.0054	<0.0052	<0.0048	<0.0047
1,1,1-Trichloroethane	---	---	---	---	---	---	---	<0.0046	<0.0052	<0.0046	<0.0055	<0.0054	<0.0052	<0.0048	<0.0047
1,1,2-Trichloroethane	8,200	1,800	8,200	1,800	0.02	0.3	0.3	<0.0046	<0.0052	<0.0046	<0.0055	<0.0054	<0.0052	<0.0048	<0.0047
Trichloroethane	520	8.9	1,200	12	0.06	0.3	0.3	<0.0046	<0.0052	<0.0046	<0.0055	<0.0054	<0.0052	<0.0048	<0.0047
Vinyl chloride	7.9	1.1	170	1.1	0.01	0.07	0.07	<0.0046	<0.0052	<0.0046	<0.0055	<0.0054	<0.0052	<0.0048	<0.0047
Xylenes, Total	410,000	320	41,000	5.6	150	150	150	<0.014	<0.016	<0.014	<0.016	<0.016	<0.016	<0.015	<0.014

Table 1
Wentworth Road
Lansing, Illinois
Cook County Highway Department

Analyte	Target Concentration (ppm)		Sample Concentration (ppm)	Sample Volume (L)	Sample Weight (g)	Sample Matrix	Sample ID	Laboratory ID		Client Sample ID		Date Collected		B-15	B-19	B-23	B-27	B-31	B-35	
	Min	Max						11080238-001	11080238-003	11080238-005	11080238-007	11080238-009	11080238-002							11080238-004
3,3'-Dichlorobenzidine	13	---	---	280	---	---	---	0.033	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dichlorophenol	6,100	---	---	610	---	---	---	1	---	---	---	---	---	---	---	---	---	---	---	---
Diethyl phthalate	1,000,000	2,000	2,000	1,000,000	2,000	---	---	470	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	41,000	---	---	41,000	---	---	---	9	---	---	---	---	---	---	---	---	---	---	---	---
Dimethyl phthalate	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4,6-Dinitro-2-methylphenol	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrophenol	4,100	---	---	410	---	---	---	0.2	---	---	---	---	---	---	---	---	---	---	---	---
2,4-Dinitrotoluene	8.4	---	---	180	---	---	---	0.0008	---	---	---	---	---	---	---	---	---	---	---	---
2,6-Dinitrotoluene	8.4	---	---	180	---	---	---	0.0007	---	---	---	---	---	---	---	---	---	---	---	---
Di-n-butyl phthalate	200,000	2,300	2,300	200,000	2,300	---	---	2,300	---	---	---	---	---	---	---	---	---	---	---	---
Di-n-octyl phthalate	41,000	10,000	10,000	41,000	10,000	---	---	10,000	---	---	---	---	---	---	---	---	---	---	---	---
Hexachlorobenzene	4	1.8	78	2.6	---	---	---	2	---	---	---	---	---	---	---	---	---	---	---	---
Hexachlorobutadiene	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Hexachlorocyclopentadiene	14,000	16	14,000	1.1	400	---	---	2,200	---	---	---	---	---	---	---	---	---	---	---	---
Hexachloroethane	2,000	---	---	2,000	---	---	---	2.6	---	---	---	---	---	---	---	---	---	---	---	---
Isophorone	410,000	4,600	4,600	410,000	4,600	---	---	8	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylnaphthalene	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Methylphenol	100,000	---	---	100,000	---	---	---	15	---	---	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Nitroaniline	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
3-Nitroaniline	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Nitroaniline	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2-Nitrophenol	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4-Nitrophenol	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	1,000	140	1,000	9.4	0.1	0.1	---	0.1	---	---	---	---	---	---	---	---	---	---	---	---
N-Nitrosodimethylamine	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
N-Nitrosodiphenylamine	1,200	---	---	25,000	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
2,2'-oxybis(1-Chloropropane)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Phenol	610,000	---	---	61,000	---	---	---	100	---	---	---	---	---	---	---	---	---	---	---	---
Pyridine	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1,2,4-Trichlorobenzene	20,000	3,200	2,000	2,000	920	---	---	53	---	---	---	---	---	---	---	---	---	---	---	---
2,4,5-Trichlorophenol	200,000	---	---	200,000	---	---	---	270	---	---	---	---	---	---	---	---	---	---	---	---
2,4,6-Trichlorophenol	520	390	11,000	540	0.2	0.77	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 1
Wentworth Road
Lansing, Illinois
Cook County Highway Department

Analyte	Industrial/Commercial/Institutional Sites		Construction/Work Sites		Residential Sites		Soil Component of Groundwater/Ingestion Exposure Route Values		Background*							
	13,011.3	1,200	61	25,000	---	---	---	---	---	---						
Arsenic	140,000	910,000	14,000	870,000	---	---	13	2.7	6.8	5.1	8.6	4.3	5	5.7	5.7	5.7
Barium	2,000	2,800	200	59,000	---	---	0.6	<0.66	<0.52	0.66	<0.54	<0.62	<0.58	<0.57	<0.56	<0.56
Cadmium	6,100	420	4,100	690	---	---	16.2	5.6	16	29	28	24	13	16	17	17
Chromium	800	---	700	---	---	---	36	12	17	27	26	16	14	19	29	29
Mercury	610	16	61	0.1	---	---	0.06	<0.019	0.023	0.039	0.034	0.028	0.021	0.026	0.026	0.026
Selenium	10,000	---	1,000	---	---	---	0.48	<1.3	<1	<1.1	<1.1	<1.2	<1.2	<1.1	<1.1	<1.1
Silver	10,000	---	1,000	---	---	---	0.55	<1.3	<1	<1.1	<1.1	<1.2	<1.2	<1.1	<1.1	<1.1

Notes:
Concentrations expressed in milligrams per kilograms (mg/kg)
Detected compounds are shown as bold
Remediation Objectives (Residential Property) = Tier 1 soil cleanup goal per 35 Illinois Administrative Code 742 Appendix B, Table A.

* - Background concentrations establish for the Metropolitan Areas from Appendix A, Tables G and H.
--- indicates that standards have not been established for this compound.

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

August 12, 2011

AECOM Environmental Group

303 East Wacker

Suite 909

Chicago, IL 60601

Telephone: (847) 279-2448

Fax: (847) 279-2510

RE: Wentworth-CCHD, Wentworth&Ridge-Wentworth&Glenwoo

STAT Project No: 11080238

Dear Steve Kornder:

STAT Analysis received 9 samples for the referenced project on 8/5/2011 2:00:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini

Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.

Client: AECOM Environmental Group
Project: Wentworth-CCHD, Wentworth&Ridge-Wentworth&Gl **Work Order Sample Summary**
Lab Order: 11080238

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
11080238-001A	B-1		8/5/2011 10:05:00 AM	8/5/2011
11080238-001B	B-1		8/5/2011 10:05:00 AM	8/5/2011
11080238-002A	B-2		8/5/2011 10:20:00 AM	8/5/2011
11080238-002B	B-2		8/5/2011 10:20:00 AM	8/5/2011
11080238-003A	B-3		8/5/2011 10:30:00 AM	8/5/2011
11080238-003B	B-3		8/5/2011 10:30:00 AM	8/5/2011
11080238-004A	B-4		8/5/2011 10:40:00 AM	8/5/2011
11080238-004B	B-4		8/5/2011 10:40:00 AM	8/5/2011
11080238-005A	B-5		8/5/2011 10:55:00 AM	8/5/2011
11080238-005B	B-5		8/5/2011 10:55:00 AM	8/5/2011
11080238-006A	B-6		8/5/2011 11:05:00 AM	8/5/2011
11080238-006B	B-6		8/5/2011 11:05:00 AM	8/5/2011
11080238-007A	B-7		8/5/2011 11:15:00 AM	8/5/2011
11080238-007B	B-7		8/5/2011 11:15:00 AM	8/5/2011
11080238-008A	B-8		8/5/2011 11:25:00 AM	8/5/2011
11080238-008B	B-8		8/5/2011 11:25:00 AM	8/5/2011
11080238-009A	B-9		8/5/2011 11:35:00 AM	8/5/2011
11080238-009B	B-9		8/5/2011 11:35:00 AM	8/5/2011

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Date Reported: August 12, 2011

Date Printed: August 12, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-1
Lab Order:	11080238	Collection Date:	8/5/2011 10:05:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080238-001		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 8/11/2011	Analyst: JG
Mercury	ND	0.019		mg/Kg-dry	1	8/12/2011
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 8/10/2011	Analyst: JG
Arsenic	2.7	1.3		mg/Kg-dry	10	8/10/2011
Barium	12	1.3		mg/Kg-dry	10	8/10/2011
Cadmium	ND	0.66		mg/Kg-dry	10	8/10/2011
Chromium	5.6	1.3		mg/Kg-dry	10	8/11/2011
Lead	12	0.66		mg/Kg-dry	10	8/11/2011
Selenium	ND	1.3		mg/Kg-dry	10	8/10/2011
Silver	ND	1.3		mg/Kg-dry	10	8/10/2011
Semivolatile Organic Compounds by GC/MS	SW8270C-SIM (SW3550B)				Prep Date: 8/11/2011	Analyst: VS
Acenaphthene	ND	0.034		mg/Kg-dry	10	8/11/2011
Acenaphthylene	ND	0.034		mg/Kg-dry	10	8/11/2011
Anthracene	ND	0.034		mg/Kg-dry	10	8/11/2011
Benz(a)anthracene	0.035	0.034		mg/Kg-dry	10	8/11/2011
Benzo(a)pyrene	ND	0.034		mg/Kg-dry	10	8/11/2011
Benzo(b)fluoranthene	ND	0.034		mg/Kg-dry	10	8/11/2011
Benzo(g,h,i)perylene	ND	0.034		mg/Kg-dry	10	8/11/2011
Benzo(k)fluoranthene	ND	0.034		mg/Kg-dry	10	8/11/2011
Chrysene	0.038	0.034		mg/Kg-dry	10	8/11/2011
Dibenz(a,h)anthracene	ND	0.034		mg/Kg-dry	10	8/11/2011
Fluoranthene	0.062	0.034		mg/Kg-dry	10	8/11/2011
Fluorene	ND	0.034		mg/Kg-dry	10	8/11/2011
Indeno(1,2,3-cd)pyrene	ND	0.034		mg/Kg-dry	10	8/11/2011
Naphthalene	ND	0.034		mg/Kg-dry	10	8/11/2011
Phenanthrene	ND	0.034		mg/Kg-dry	10	8/11/2011
Pyrene	0.049	0.034		mg/Kg-dry	10	8/11/2011
N-Nitrosodi-n-propylamine	ND	0.034		mg/Kg-dry	10	8/11/2011
Pentachlorophenol	ND	0.21		mg/Kg-dry	10	8/11/2011
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/11/2011	Analyst: DM
Aniline	ND	0.18		mg/Kg-dry	1	8/11/2011
Benzidine	ND	0.18		mg/Kg-dry	1	8/11/2011
Benzoic acid	ND	0.83		mg/Kg-dry	1	8/11/2011
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	8/11/2011
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	8/11/2011
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	8/11/2011
Bis(2-ethylhexyl)phthalate	ND	0.83		mg/Kg-dry	1	8/11/2011
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/11/2011

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Date Reported: August 12, 2011

Date Printed: August 12, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-1
Lab Order:	11080238	Collection Date:	8/5/2011 10:05:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080238-001		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/11/2011		Analyst: DM
Butyl benzyl phthalate	ND	0.18		mg/Kg-dry	1	8/11/2011
Carbazole	ND	0.18		mg/Kg-dry	1	8/11/2011
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	8/11/2011
4-Chloro-3-methylphenol	ND	0.18		mg/Kg-dry	1	8/11/2011
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	8/11/2011
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	8/11/2011
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/11/2011
Dibenzofuran	ND	0.18		mg/Kg-dry	1	8/11/2011
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/11/2011
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/11/2011
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/11/2011
3,3'-Dichlorobenzidine	ND	0.34		mg/Kg-dry	1	8/11/2011
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	8/11/2011
Diethyl phthalate	ND	0.18		mg/Kg-dry	1	8/11/2011
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	8/11/2011
Dimethyl phthalate	ND	0.18		mg/Kg-dry	1	8/11/2011
4,6-Dinitro-2-methylphenol	ND	0.83		mg/Kg-dry	1	8/11/2011
2,4-Dinitrophenol	ND	0.83		mg/Kg-dry	1	8/11/2011
2,4-Dinitrotoluene	ND	0.18		mg/Kg-dry	1	8/11/2011
2,6-Dinitrotoluene	ND	0.18		mg/Kg-dry	1	8/11/2011
Di-n-butyl phthalate	ND	0.18		mg/Kg-dry	1	8/11/2011
Di-n-octyl phthalate	ND	0.18		mg/Kg-dry	1	8/11/2011
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	8/11/2011
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	8/11/2011
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	8/11/2011
Hexachloroethane	ND	0.18		mg/Kg-dry	1	8/11/2011
Isophorone	ND	0.18		mg/Kg-dry	1	8/11/2011
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	8/11/2011
2-Methylphenol	ND	0.18		mg/Kg-dry	1	8/11/2011
4-Methylphenol	ND	0.18		mg/Kg-dry	1	8/11/2011
2-Nitroaniline	ND	0.83		mg/Kg-dry	1	8/11/2011
3-Nitroaniline	ND	0.83		mg/Kg-dry	1	8/11/2011
4-Nitroaniline	ND	0.83		mg/Kg-dry	1	8/11/2011
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	8/11/2011
4-Nitrophenol	ND	0.83		mg/Kg-dry	1	8/11/2011
Nitrobenzene	ND	0.18		mg/Kg-dry	1	8/11/2011
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	8/11/2011
N-Nitrosodiphenylamine	ND	0.18		mg/Kg-dry	1	8/11/2011

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

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Date Reported: August 12, 2011

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Client:	AECOM Environmental Group	Client Sample ID:	B-1
Lab Order:	11080238	Collection Date:	8/5/2011 10:05:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080238-001		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/11/2011		Analyst: DM
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	8/11/2011
Phenol	ND	0.18		mg/Kg-dry	1	8/11/2011
Pyridine	ND	0.18		mg/Kg-dry	1	8/11/2011
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	8/11/2011
2,4,5-Trichlorophenol	ND	0.34		mg/Kg-dry	1	8/11/2011
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/11/2011
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/7/2011		Analyst: EJH
Acetone	ND	0.069		mg/Kg-dry	1	8/12/2011
Benzene	ND	0.0046		mg/Kg-dry	1	8/12/2011
Bromodichloromethane	0.0065	0.0046		mg/Kg-dry	1	8/12/2011
Bromoform	ND	0.0046		mg/Kg-dry	1	8/12/2011
Bromomethane	ND	0.0092		mg/Kg-dry	1	8/12/2011
2-Butanone	ND	0.069		mg/Kg-dry	1	8/12/2011
Carbon disulfide	ND	0.046		mg/Kg-dry	1	8/12/2011
Carbon tetrachloride	ND	0.0046		mg/Kg-dry	1	8/12/2011
Chlorobenzene	ND	0.0046		mg/Kg-dry	1	8/12/2011
Chloroethane	ND	0.0092		mg/Kg-dry	1	8/12/2011
Chloroform	0.054	0.0046		mg/Kg-dry	1	8/12/2011
Chloromethane	ND	0.0092		mg/Kg-dry	1	8/12/2011
Dibromochloromethane	ND	0.0046		mg/Kg-dry	1	8/12/2011
1,1-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/12/2011
1,2-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/12/2011
1,1-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/12/2011
cis-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/12/2011
trans-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/12/2011
1,2-Dichloropropane	ND	0.0046		mg/Kg-dry	1	8/12/2011
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/12/2011
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	8/12/2011
Ethylbenzene	ND	0.0046		mg/Kg-dry	1	8/12/2011
2-Hexanone	ND	0.018		mg/Kg-dry	1	8/12/2011
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	8/12/2011
Methylene chloride	ND	0.0092		mg/Kg-dry	1	8/12/2011
Methyl tert-butyl ether	ND	0.0046		mg/Kg-dry	1	8/12/2011
Styrene	ND	0.0046		mg/Kg-dry	1	8/12/2011
1,1,2,2-Tetrachloroethane	ND	0.0046		mg/Kg-dry	1	8/12/2011
Tetrachloroethene	ND	0.0046		mg/Kg-dry	1	8/12/2011
Toluene	ND	0.0046		mg/Kg-dry	1	8/12/2011
1,1,1-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/12/2011

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: August 12, 2011

Date Printed: August 12, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-1
Lab Order:	11080238	Collection Date:	8/5/2011 10:05:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080238-001		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/7/2011	Analyst: EJV
1,1,2-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/12/2011
Trichloroethene	ND	0.0046		mg/Kg-dry	1	8/12/2011
Vinyl chloride	ND	0.0046		mg/Kg-dry	1	8/12/2011
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/12/2011
Percent Moisture		D2974			Prep Date: 8/8/2011	Analyst: RW
Percent Moisture	13.2	0.2	*	wt%	1	8/9/2011

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: August 12, 2011

Date Printed: August 12, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-3
Lab Order:	11080238	Collection Date:	8/5/2011 10:30:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080238-003		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 8/11/2011	Analyst: JG
Mercury	0.023	0.021		mg/Kg-dry	1	8/12/2011
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 8/10/2011	Analyst: JG
Arsenic	6.8	1		mg/Kg-dry	10	8/10/2011
Barium	44	1		mg/Kg-dry	10	8/10/2011
Cadmium	ND	0.52		mg/Kg-dry	10	8/10/2011
Chromium	16	1		mg/Kg-dry	10	8/11/2011
Lead	17	0.52		mg/Kg-dry	10	8/11/2011
Selenium	ND	1		mg/Kg-dry	10	8/10/2011
Silver	ND	1		mg/Kg-dry	10	8/10/2011
Semivolatile Organic Compounds by GC/MS	SW8270C-SIM (SW3550B)				Prep Date: 8/11/2011	Analyst: VS
Acenaphthene	ND	0.025		mg/Kg-dry	1	8/11/2011
Acenaphthylene	ND	0.025		mg/Kg-dry	1	8/11/2011
Anthracene	ND	0.025		mg/Kg-dry	1	8/11/2011
Benz(a)anthracene	ND	0.025		mg/Kg-dry	1	8/11/2011
Benzo(a)pyrene	ND	0.025		mg/Kg-dry	1	8/11/2011
Benzo(b)fluoranthene	ND	0.025		mg/Kg-dry	1	8/11/2011
Benzo(g,h,i)perylene	ND	0.025		mg/Kg-dry	1	8/11/2011
Benzo(k)fluoranthene	ND	0.025		mg/Kg-dry	1	8/11/2011
Chrysene	ND	0.025		mg/Kg-dry	1	8/11/2011
Dibenz(a,h)anthracene	ND	0.025		mg/Kg-dry	1	8/11/2011
Fluoranthene	ND	0.025		mg/Kg-dry	1	8/11/2011
Fluorene	ND	0.025		mg/Kg-dry	1	8/11/2011
Indeno(1,2,3-cd)pyrene	ND	0.025		mg/Kg-dry	1	8/11/2011
Naphthalene	ND	0.025		mg/Kg-dry	1	8/11/2011
Phenanthrene	ND	0.025		mg/Kg-dry	1	8/11/2011
Pyrene	ND	0.025		mg/Kg-dry	1	8/11/2011
N-Nitrosodi-n-propylamine	ND	0.025		mg/Kg-dry	1	8/11/2011
Pentachlorophenol	ND	0.025		mg/Kg-dry	1	8/11/2011
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/11/2011	Analyst: DM
Aniline	ND	0.17		mg/Kg-dry	1	8/11/2011
Benzidine	ND	0.17		mg/Kg-dry	1	8/11/2011
Benzoic acid	ND	0.8		mg/Kg-dry	1	8/11/2011
Benzyl alcohol	ND	0.17		mg/Kg-dry	1	8/11/2011
Bis(2-chloroethoxy)methane	ND	0.17		mg/Kg-dry	1	8/11/2011
Bis(2-chloroethyl)ether	ND	0.17		mg/Kg-dry	1	8/11/2011
Bis(2-ethylhexyl)phthalate	ND	0.8		mg/Kg-dry	1	8/11/2011
4-Bromophenyl phenyl ether	ND	0.17		mg/Kg-dry	1	8/11/2011

Qualifiers:

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B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

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E - Value above quantitation range

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: August 12, 2011

Date Printed: August 12, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-3
Lab Order:	11080238	Collection Date:	8/5/2011 10:30:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080238-003		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)			Prep Date: 8/11/2011	Analyst: DM
Butyl benzyl phthalate	ND	0.17		mg/Kg-dry	1	8/11/2011
Carbazole	ND	0.17		mg/Kg-dry	1	8/11/2011
4-Chloroaniline	ND	0.17		mg/Kg-dry	1	8/11/2011
4-Chloro-3-methylphenol	ND	0.17		mg/Kg-dry	1	8/11/2011
2-Chloronaphthalene	ND	0.17		mg/Kg-dry	1	8/11/2011
2-Chlorophenol	ND	0.17		mg/Kg-dry	1	8/11/2011
4-Chlorophenyl phenyl ether	ND	0.17		mg/Kg-dry	1	8/11/2011
Dibenzofuran	ND	0.17		mg/Kg-dry	1	8/11/2011
1,2-Dichlorobenzene	ND	0.17		mg/Kg-dry	1	8/11/2011
1,3-Dichlorobenzene	ND	0.17		mg/Kg-dry	1	8/11/2011
1,4-Dichlorobenzene	ND	0.17		mg/Kg-dry	1	8/11/2011
3,3'-Dichlorobenzidine	ND	0.33		mg/Kg-dry	1	8/11/2011
2,4-Dichlorophenol	ND	0.17		mg/Kg-dry	1	8/11/2011
Diethyl phthalate	ND	0.17		mg/Kg-dry	1	8/11/2011
2,4-Dimethylphenol	ND	0.17		mg/Kg-dry	1	8/11/2011
Dimethyl phthalate	ND	0.17		mg/Kg-dry	1	8/11/2011
4,6-Dinitro-2-methylphenol	ND	0.8		mg/Kg-dry	1	8/11/2011
2,4-Dinitrophenol	ND	0.8		mg/Kg-dry	1	8/11/2011
2,4-Dinitrotoluene	ND	0.17		mg/Kg-dry	1	8/11/2011
2,6-Dinitrotoluene	ND	0.17		mg/Kg-dry	1	8/11/2011
Di-n-butyl phthalate	ND	0.17		mg/Kg-dry	1	8/11/2011
Di-n-octyl phthalate	ND	0.17		mg/Kg-dry	1	8/11/2011
Hexachlorobenzene	ND	0.17		mg/Kg-dry	1	8/11/2011
Hexachlorobutadiene	ND	0.17		mg/Kg-dry	1	8/11/2011
Hexachlorocyclopentadiene	ND	0.17		mg/Kg-dry	1	8/11/2011
Hexachloroethane	ND	0.17		mg/Kg-dry	1	8/11/2011
Isophorone	ND	0.17		mg/Kg-dry	1	8/11/2011
2-Methylnaphthalene	ND	0.17		mg/Kg-dry	1	8/11/2011
2-Methylphenol	ND	0.17		mg/Kg-dry	1	8/11/2011
4-Methylphenol	ND	0.17		mg/Kg-dry	1	8/11/2011
2-Nitroaniline	ND	0.8		mg/Kg-dry	1	8/11/2011
3-Nitroaniline	ND	0.8		mg/Kg-dry	1	8/11/2011
4-Nitroaniline	ND	0.8		mg/Kg-dry	1	8/11/2011
2-Nitrophenol	ND	0.17		mg/Kg-dry	1	8/11/2011
4-Nitrophenol	ND	0.8		mg/Kg-dry	1	8/11/2011
Nitrobenzene	ND	0.17		mg/Kg-dry	1	8/11/2011
N-Nitrosodimethylamine	ND	0.17		mg/Kg-dry	1	8/11/2011
N-Nitrosodiphenylamine	ND	0.17		mg/Kg-dry	1	8/11/2011

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
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	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: August 12, 2011

Date Printed: August 12, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-3
Lab Order:	11080238	Collection Date:	8/5/2011 10:30:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080238-003		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/11/2011	Analyst: DM
2, 2'-oxybis(1-Chloropropane)	ND	0.17		mg/Kg-dry	1	8/11/2011
Phenol	ND	0.17		mg/Kg-dry	1	8/11/2011
Pyridine	ND	0.17		mg/Kg-dry	1	8/11/2011
1,2,4-Trichlorobenzene	ND	0.17		mg/Kg-dry	1	8/11/2011
2,4,5-Trichlorophenol	ND	0.33		mg/Kg-dry	1	8/11/2011
2,4,6-Trichlorophenol	ND	0.17		mg/Kg-dry	1	8/11/2011
Volatile Organic Compounds by GC/MS						
	SW5035/8260B				Prep Date: 8/7/2011	Analyst: EJJ
Acetone	ND	0.078		mg/Kg-dry	1	8/12/2011
Benzene	ND	0.0052		mg/Kg-dry	1	8/12/2011
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	8/12/2011
Bromoform	ND	0.0052		mg/Kg-dry	1	8/12/2011
Bromomethane	ND	0.01		mg/Kg-dry	1	8/12/2011
2-Butanone	ND	0.078		mg/Kg-dry	1	8/12/2011
Carbon disulfide	ND	0.052		mg/Kg-dry	1	8/12/2011
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	8/12/2011
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	8/12/2011
Chloroethane	ND	0.01		mg/Kg-dry	1	8/12/2011
Chloroform	ND	0.0052		mg/Kg-dry	1	8/12/2011
Chloromethane	ND	0.01		mg/Kg-dry	1	8/12/2011
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	8/12/2011
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/12/2011
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/12/2011
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/12/2011
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/12/2011
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/12/2011
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	8/12/2011
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/12/2011
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/12/2011
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	8/12/2011
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/12/2011
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/12/2011
Methylene chloride	ND	0.01		mg/Kg-dry	1	8/12/2011
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	8/12/2011
Styrene	ND	0.0052		mg/Kg-dry	1	8/12/2011
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	8/12/2011
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	8/12/2011
Toluene	ND	0.0052		mg/Kg-dry	1	8/12/2011
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/12/2011

Qualifiers:

ND - Not Detected at the Reporting Limit

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: August 12, 2011

Date Printed: August 12, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-3
Lab Order:	11080238	Collection Date:	8/5/2011 10:30:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080238-003		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/7/2011	Analyst: EJM
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/12/2011
Trichloroethene	ND	0.0052		mg/Kg-dry	1	8/12/2011
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	8/12/2011
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/12/2011
Percent Moisture		D2974			Prep Date: 8/8/2011	Analyst: RW
Percent Moisture	9.2	0.2	*	wt%	1	8/9/2011

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: August 12, 2011

Date Printed: August 12, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-5
Lab Order:	11080238	Collection Date:	8/5/2011 10:55:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080238-005		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A					Prep Date: 8/11/2011 Analyst: JG
Mercury	0.039	0.024		mg/Kg-dry	1	8/12/2011
Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 8/10/2011 Analyst: JG
Arsenic	5.1	1.1		mg/Kg-dry	10	8/10/2011
Barium	130	1.1		mg/Kg-dry	10	8/10/2011
Cadmium	0.66	0.54		mg/Kg-dry	10	8/10/2011
Chromium	29	1.1		mg/Kg-dry	10	8/11/2011
Lead	27	0.54		mg/Kg-dry	10	8/11/2011
Selenium	ND	1.1		mg/Kg-dry	10	8/10/2011
Silver	ND	1.1		mg/Kg-dry	10	8/10/2011
Semivolatile Organic Compounds by GC/MS	SW8270C-SIM (SW3550B)					Prep Date: 8/11/2011 Analyst: VS
Acenaphthene	ND	0.036		mg/Kg-dry	10	8/11/2011
Acenaphthylene	ND	0.036		mg/Kg-dry	10	8/11/2011
Anthracene	ND	0.036		mg/Kg-dry	10	8/11/2011
Benz(a)anthracene	ND	0.036		mg/Kg-dry	10	8/11/2011
Benzo(a)pyrene	ND	0.036		mg/Kg-dry	10	8/11/2011
Benzo(b)fluoranthene	ND	0.036		mg/Kg-dry	10	8/11/2011
Benzo(g,h,i)perylene	ND	0.036		mg/Kg-dry	10	8/11/2011
Benzo(k)fluoranthene	ND	0.036		mg/Kg-dry	10	8/11/2011
Chrysene	ND	0.036		mg/Kg-dry	10	8/11/2011
Dibenz(a,h)anthracene	ND	0.036		mg/Kg-dry	10	8/11/2011
Fluoranthene	ND	0.036		mg/Kg-dry	10	8/11/2011
Fluorene	ND	0.036		mg/Kg-dry	10	8/11/2011
Indeno(1,2,3-cd)pyrene	ND	0.036		mg/Kg-dry	10	8/11/2011
Naphthalene	ND	0.036		mg/Kg-dry	10	8/11/2011
Phenanthrene	ND	0.036		mg/Kg-dry	10	8/11/2011
Pyrene	ND	0.036		mg/Kg-dry	10	8/11/2011
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	10	8/11/2011
Pentachlorophenol	ND	0.22		mg/Kg-dry	10	8/11/2011
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)					Prep Date: 8/11/2011 Analyst: DM
Aniline	ND	0.19		mg/Kg-dry	1	8/11/2011
Benzidine	ND	0.19		mg/Kg-dry	1	8/11/2011
Benzoic acid	ND	0.88		mg/Kg-dry	1	8/11/2011
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/11/2011
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/11/2011
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/11/2011
Bis(2-ethylhexyl)phthalate	ND	0.88		mg/Kg-dry	1	8/11/2011
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/11/2011

Qualifiers:

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: August 12, 2011

Date Printed: August 12, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-5
Lab Order:	11080238	Collection Date:	8/5/2011 10:55:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080238-005		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/11/2011		Analyst: DM
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/11/2011
Carbazole	ND	0.19		mg/Kg-dry	1	8/11/2011
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/11/2011
4-Chloro-3-methylphenol	ND	0.19		mg/Kg-dry	1	8/11/2011
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/11/2011
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/11/2011
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/11/2011
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/11/2011
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/11/2011
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/11/2011
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/11/2011
3,3'-Dichlorobenzidine	ND	0.36		mg/Kg-dry	1	8/11/2011
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/11/2011
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/11/2011
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/11/2011
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/11/2011
4,6-Dinitro-2-methylphenol	ND	0.88		mg/Kg-dry	1	8/11/2011
2,4-Dinitrophenol	ND	0.88		mg/Kg-dry	1	8/11/2011
2,4-Dinitrotoluene	ND	0.19		mg/Kg-dry	1	8/11/2011
2,6-Dinitrotoluene	ND	0.19		mg/Kg-dry	1	8/11/2011
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/11/2011
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/11/2011
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/11/2011
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/11/2011
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/11/2011
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/11/2011
Isophorone	ND	0.19		mg/Kg-dry	1	8/11/2011
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/11/2011
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/11/2011
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/11/2011
2-Nitroaniline	ND	0.88		mg/Kg-dry	1	8/11/2011
3-Nitroaniline	ND	0.88		mg/Kg-dry	1	8/11/2011
4-Nitroaniline	ND	0.88		mg/Kg-dry	1	8/11/2011
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/11/2011
4-Nitrophenol	ND	0.88		mg/Kg-dry	1	8/11/2011
Nitrobenzene	ND	0.19		mg/Kg-dry	1	8/11/2011
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/11/2011
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/11/2011

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: August 12, 2011

Date Printed: August 12, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-5
Lab Order:	11080238	Collection Date:	8/5/2011 10:55:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080238-005		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)				Prep Date: 8/11/2011	Analyst: DM
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/11/2011
Phenol	ND	0.19		mg/Kg-dry	1	8/11/2011
Pyridine	ND	0.19		mg/Kg-dry	1	8/11/2011
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/11/2011
2,4,5-Trichlorophenol	ND	0.36		mg/Kg-dry	1	8/11/2011
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/11/2011
Volatile Organic Compounds by GC/MS						
	SW5035/8260B				Prep Date: 8/7/2011	Analyst: EJH
Acetone	ND	0.07		mg/Kg-dry	1	8/12/2011
Benzene	ND	0.0046		mg/Kg-dry	1	8/12/2011
Bromodichloromethane	ND	0.0046		mg/Kg-dry	1	8/12/2011
Bromoform	ND	0.0046		mg/Kg-dry	1	8/12/2011
Bromomethane	ND	0.0093		mg/Kg-dry	1	8/12/2011
2-Butanone	ND	0.07		mg/Kg-dry	1	8/12/2011
Carbon disulfide	ND	0.046		mg/Kg-dry	1	8/12/2011
Carbon tetrachloride	ND	0.0046		mg/Kg-dry	1	8/12/2011
Chlorobenzene	ND	0.0046		mg/Kg-dry	1	8/12/2011
Chloroethane	ND	0.0093		mg/Kg-dry	1	8/12/2011
Chloroform	ND	0.0046		mg/Kg-dry	1	8/12/2011
Chloromethane	ND	0.0093		mg/Kg-dry	1	8/12/2011
Dibromochloromethane	ND	0.0046		mg/Kg-dry	1	8/12/2011
1,1-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/12/2011
1,2-Dichloroethane	ND	0.0046		mg/Kg-dry	1	8/12/2011
1,1-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/12/2011
cis-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/12/2011
trans-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	8/12/2011
1,2-Dichloropropane	ND	0.0046		mg/Kg-dry	1	8/12/2011
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/12/2011
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/12/2011
Ethylbenzene	ND	0.0046		mg/Kg-dry	1	8/12/2011
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/12/2011
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/12/2011
Methylene chloride	ND	0.0093		mg/Kg-dry	1	8/12/2011
Methyl tert-butyl ether	ND	0.0046		mg/Kg-dry	1	8/12/2011
Styrene	ND	0.0046		mg/Kg-dry	1	8/12/2011
1,1,2,2-Tetrachloroethane	ND	0.0046		mg/Kg-dry	1	8/12/2011
Tetrachloroethene	ND	0.0046		mg/Kg-dry	1	8/12/2011
Toluene	ND	0.0046		mg/Kg-dry	1	8/12/2011
1,1,1-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/12/2011

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Date Reported: August 12, 2011

Date Printed: August 12, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-5
Lab Order:	11080238	Collection Date:	8/5/2011 10:55:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080238-005		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	SW5035/8260B				Prep Date: 8/7/2011	Analyst: EJV
1,1,2-Trichloroethane	ND	0.0046		mg/Kg-dry	1	8/12/2011
Trichloroethene	ND	0.0046		mg/Kg-dry	1	8/12/2011
Vinyl chloride	ND	0.0046		mg/Kg-dry	1	8/12/2011
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/12/2011
Percent Moisture	D2974				Prep Date: 8/8/2011	Analyst: RW
Percent Moisture	18.6	0.2	*	wt%	1	8/9/2011

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Date Reported: August 12, 2011

Date Printed: August 12, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-7
Lab Order:	11080238	Collection Date:	8/5/2011 11:15:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080238-007		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 8/11/2011	Analyst: JG
Mercury	0.034	0.02		mg/Kg-dry	1	8/12/2011
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 8/10/2011	Analyst: JG
Arsenic	8.6	1.1		mg/Kg-dry	10	8/10/2011
Barium	90	1.1		mg/Kg-dry	10	8/10/2011
Cadmium	ND	0.54		mg/Kg-dry	10	8/10/2011
Chromium	28	1.1		mg/Kg-dry	10	8/11/2011
Lead	26	0.54		mg/Kg-dry	10	8/11/2011
Selenium	ND	1.1		mg/Kg-dry	10	8/10/2011
Silver	ND	1.1		mg/Kg-dry	10	8/10/2011
Semivolatile Organic Compounds by GC/MS	SW8270C-SIM (SW3550B)				Prep Date: 8/11/2011	Analyst: VS
Acenaphthene	ND	0.036		mg/Kg-dry	10	8/11/2011
Acenaphthylene	ND	0.036		mg/Kg-dry	10	8/11/2011
Anthracene	ND	0.036		mg/Kg-dry	10	8/11/2011
Benzo(a)anthracene	0.036	0.036		mg/Kg-dry	10	8/11/2011
Benzo(a)pyrene	ND	0.036		mg/Kg-dry	10	8/11/2011
Benzo(b)fluoranthene	ND	0.036		mg/Kg-dry	10	8/11/2011
Benzo(g,h,i)perylene	ND	0.036		mg/Kg-dry	10	8/11/2011
Benzo(k)fluoranthene	ND	0.036		mg/Kg-dry	10	8/11/2011
Chrysene	ND	0.036		mg/Kg-dry	10	8/11/2011
Dibenz(a,h)anthracene	ND	0.036		mg/Kg-dry	10	8/11/2011
Fluoranthene	0.079	0.036		mg/Kg-dry	10	8/11/2011
Fluorene	ND	0.036		mg/Kg-dry	10	8/11/2011
Indeno(1,2,3-cd)pyrene	ND	0.036		mg/Kg-dry	10	8/11/2011
Naphthalene	ND	0.036		mg/Kg-dry	10	8/11/2011
Phenanthrene	0.068	0.036		mg/Kg-dry	10	8/11/2011
Pyrene	0.061	0.036		mg/Kg-dry	10	8/11/2011
N-Nitrosodi-n-propylamine	ND	0.036		mg/Kg-dry	10	8/11/2011
Pentachlorophenol	ND	0.22		mg/Kg-dry	10	8/11/2011
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/11/2011	Analyst: DM
Aniline	ND	0.19		mg/Kg-dry	1	8/11/2011
Benzidine	ND	0.19		mg/Kg-dry	1	8/11/2011
Benzoic acid	ND	0.87		mg/Kg-dry	1	8/11/2011
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	8/11/2011
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	8/11/2011
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	8/11/2011
Bis(2-ethylhexyl)phthalate	ND	0.87		mg/Kg-dry	1	8/11/2011
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/11/2011

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: August 12, 2011

Date Printed: August 12, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-7
Lab Order:	11080238	Collection Date:	8/5/2011 11:15:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080238-007		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)		Prep Date: 8/11/2011		Analyst: DM	
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	8/11/2011
Carbazole	ND	0.19		mg/Kg-dry	1	8/11/2011
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	8/11/2011
4-Chloro-3-methylphenol	ND	0.19		mg/Kg-dry	1	8/11/2011
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	8/11/2011
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	8/11/2011
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	8/11/2011
Dibenzofuran	ND	0.19		mg/Kg-dry	1	8/11/2011
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/11/2011
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/11/2011
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	8/11/2011
3,3'-Dichlorobenzidine	ND	0.36		mg/Kg-dry	1	8/11/2011
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	8/11/2011
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	8/11/2011
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	8/11/2011
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	8/11/2011
4,6-Dinitro-2-methylphenol	ND	0.87		mg/Kg-dry	1	8/11/2011
2,4-Dinitrophenol	ND	0.87		mg/Kg-dry	1	8/11/2011
2,4-Dinitrotoluene	ND	0.19		mg/Kg-dry	1	8/11/2011
2,6-Dinitrotoluene	ND	0.19		mg/Kg-dry	1	8/11/2011
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	8/11/2011
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	8/11/2011
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	8/11/2011
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	8/11/2011
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	8/11/2011
Hexachloroethane	ND	0.19		mg/Kg-dry	1	8/11/2011
Isophorone	ND	0.19		mg/Kg-dry	1	8/11/2011
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	8/11/2011
2-Methylphenol	ND	0.19		mg/Kg-dry	1	8/11/2011
4-Methylphenol	ND	0.19		mg/Kg-dry	1	8/11/2011
2-Nitroaniline	ND	0.87		mg/Kg-dry	1	8/11/2011
3-Nitroaniline	ND	0.87		mg/Kg-dry	1	8/11/2011
4-Nitroaniline	ND	0.87		mg/Kg-dry	1	8/11/2011
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	8/11/2011
4-Nitrophenol	ND	0.87		mg/Kg-dry	1	8/11/2011
Nitrobenzene	ND	0.19		mg/Kg-dry	1	8/11/2011
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	8/11/2011
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	8/11/2011

Qualifiers:

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Date Reported: August 12, 2011

Date Printed: August 12, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-7
Lab Order:	11080238	Collection Date:	8/5/2011 11:15:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080238-007		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/11/2011		Analyst: DM
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	8/11/2011
Phenol	ND	0.19		mg/Kg-dry	1	8/11/2011
Pyridine	ND	0.19		mg/Kg-dry	1	8/11/2011
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	8/11/2011
2,4,5-Trichlorophenol	ND	0.36		mg/Kg-dry	1	8/11/2011
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	8/11/2011
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/7/2011		Analyst: EJH
Acetone	ND	0.082		mg/Kg-dry	1	8/12/2011
Benzene	ND	0.0055		mg/Kg-dry	1	8/12/2011
Bromodichloromethane	ND	0.0055		mg/Kg-dry	1	8/12/2011
Bromoform	ND	0.0055		mg/Kg-dry	1	8/12/2011
Bromomethane	ND	0.011		mg/Kg-dry	1	8/12/2011
2-Butanone	ND	0.082		mg/Kg-dry	1	8/12/2011
Carbon disulfide	ND	0.055		mg/Kg-dry	1	8/12/2011
Carbon tetrachloride	ND	0.0055		mg/Kg-dry	1	8/12/2011
Chlorobenzene	ND	0.0055		mg/Kg-dry	1	8/12/2011
Chloroethane	ND	0.011		mg/Kg-dry	1	8/12/2011
Chloroform	ND	0.0055		mg/Kg-dry	1	8/12/2011
Chloromethane	ND	0.011		mg/Kg-dry	1	8/12/2011
Dibromochloromethane	ND	0.0055		mg/Kg-dry	1	8/12/2011
1,1-Dichloroethane	ND	0.0055		mg/Kg-dry	1	8/12/2011
1,2-Dichloroethane	ND	0.0055		mg/Kg-dry	1	8/12/2011
1,1-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/12/2011
cis-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/12/2011
trans-1,2-Dichloroethene	ND	0.0055		mg/Kg-dry	1	8/12/2011
1,2-Dichloropropane	ND	0.0055		mg/Kg-dry	1	8/12/2011
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/12/2011
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/12/2011
Ethylbenzene	ND	0.0055		mg/Kg-dry	1	8/12/2011
2-Hexanone	ND	0.022		mg/Kg-dry	1	8/12/2011
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	8/12/2011
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/12/2011
Methyl tert-butyl ether	ND	0.0055		mg/Kg-dry	1	8/12/2011
Styrene	ND	0.0055		mg/Kg-dry	1	8/12/2011
1,1,2,2-Tetrachloroethane	ND	0.0055		mg/Kg-dry	1	8/12/2011
Tetrachloroethene	ND	0.0055		mg/Kg-dry	1	8/12/2011
Toluene	ND	0.0055		mg/Kg-dry	1	8/12/2011
1,1,1-Trichloroethane	ND	0.0055		mg/Kg-dry	1	8/12/2011

Qualifiers:

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Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080238-007		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 8/7/2011	Analyst: EJH
1,1,2-Trichloroethane	ND	0.0055		mg/Kg-dry	1	8/12/2011
Trichloroethene	ND	0.0055		mg/Kg-dry	1	8/12/2011
Vinyl chloride	ND	0.0055		mg/Kg-dry	1	8/12/2011
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/12/2011
Percent Moisture		D2974			Prep Date: 8/8/2011	Analyst: RW
Percent Moisture	16.7	0.2	*	wt%	1	8/9/2011

Qualifiers:

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 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

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 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

STAT Analysis Corporation

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: August 12, 2011

Date Printed: August 12, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-9
Lab Order:	11080238	Collection Date:	8/5/2011 11:35:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080238-009		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 8/11/2011	Analyst: JG
Mercury	0.028	0.02		mg/Kg-dry	1	8/12/2011
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 8/10/2011	Analyst: JG
Arsenic	4.3	1.2		mg/Kg-dry	10	8/10/2011
Barium	92	1.2		mg/Kg-dry	10	8/10/2011
Cadmium	ND	0.62		mg/Kg-dry	10	8/10/2011
Chromium	24	1.2		mg/Kg-dry	10	8/11/2011
Lead	16	0.62		mg/Kg-dry	10	8/11/2011
Selenium	ND	1.2		mg/Kg-dry	10	8/10/2011
Silver	ND	1.2		mg/Kg-dry	10	8/10/2011
Semivolatile Organic Compounds by GC/MS	SW8270C-SIM (SW3550B)				Prep Date: 8/11/2011	Analyst: VS
Acenaphthene	ND	0.027		mg/Kg-dry	1	8/11/2011
Acenaphthylene	ND	0.027		mg/Kg-dry	1	8/11/2011
Anthracene	ND	0.027		mg/Kg-dry	1	8/11/2011
Benz(a)anthracene	ND	0.027		mg/Kg-dry	1	8/11/2011
Benzo(a)pyrene	ND	0.027		mg/Kg-dry	1	8/11/2011
Benzo(b)fluoranthene	ND	0.027		mg/Kg-dry	1	8/11/2011
Benzo(g,h,i)perylene	ND	0.027		mg/Kg-dry	1	8/11/2011
Benzo(k)fluoranthene	ND	0.027		mg/Kg-dry	1	8/11/2011
Chrysene	ND	0.027		mg/Kg-dry	1	8/11/2011
Dibenz(a,h)anthracene	ND	0.027		mg/Kg-dry	1	8/11/2011
Fluoranthene	ND	0.027		mg/Kg-dry	1	8/11/2011
Fluorene	ND	0.027		mg/Kg-dry	1	8/11/2011
Indeno(1,2,3-cd)pyrene	ND	0.027		mg/Kg-dry	1	8/11/2011
Naphthalene	ND	0.027		mg/Kg-dry	1	8/11/2011
Phenanthrene	ND	0.027		mg/Kg-dry	1	8/11/2011
Pyrene	ND	0.027		mg/Kg-dry	1	8/11/2011
N-Nitrosodi-n-propylamine	ND	0.027		mg/Kg-dry	1	8/11/2011
Pentachlorophenol	ND	0.027		mg/Kg-dry	1	8/11/2011
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/11/2011	Analyst: DM
Aniline	ND	0.18		mg/Kg-dry	1	8/11/2011
Benzidine	ND	0.18		mg/Kg-dry	1	8/11/2011
Benzoic acid	ND	0.87		mg/Kg-dry	1	8/11/2011
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	8/11/2011
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	8/11/2011
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	8/11/2011
Bis(2-ethylhexyl)phthalate	ND	0.87		mg/Kg-dry	1	8/11/2011
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/11/2011

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: August 12, 2011

Date Printed: August 12, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-9
Lab Order:	11080238	Collection Date:	8/5/2011 11:35:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080238-009		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatle Organic Compounds by GC/MS	SW8270C (SW3550B)		Prep Date: 8/11/2011		Analyst: DM	
Butyl benzyl phthalate	ND	0.18		mg/Kg-dry	1	8/11/2011
Carbazole	ND	0.18		mg/Kg-dry	1	8/11/2011
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	8/11/2011
4-Chloro-3-methylphenol	ND	0.18		mg/Kg-dry	1	8/11/2011
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	8/11/2011
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	8/11/2011
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/11/2011
Dibenzofuran	ND	0.18		mg/Kg-dry	1	8/11/2011
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/11/2011
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/11/2011
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/11/2011
3,3'-Dichlorobenzidine	ND	0.36		mg/Kg-dry	1	8/11/2011
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	8/11/2011
Diethyl phthalate	ND	0.18		mg/Kg-dry	1	8/11/2011
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	8/11/2011
Dimethyl phthalate	ND	0.18		mg/Kg-dry	1	8/11/2011
4,6-Dinitro-2-methylphenol	ND	0.87		mg/Kg-dry	1	8/11/2011
2,4-Dinitrophenol	ND	0.87		mg/Kg-dry	1	8/11/2011
2,4-Dinitrotoluene	ND	0.18		mg/Kg-dry	1	8/11/2011
2,6-Dinitrotoluene	ND	0.18		mg/Kg-dry	1	8/11/2011
Di-n-butyl phthalate	ND	0.18		mg/Kg-dry	1	8/11/2011
Di-n-octyl phthalate	ND	0.18		mg/Kg-dry	1	8/11/2011
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	8/11/2011
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	8/11/2011
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	8/11/2011
Hexachloroethane	ND	0.18		mg/Kg-dry	1	8/11/2011
Isophorone	ND	0.18		mg/Kg-dry	1	8/11/2011
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	8/11/2011
2-Methylphenol	ND	0.18		mg/Kg-dry	1	8/11/2011
4-Methylphenol	ND	0.18		mg/Kg-dry	1	8/11/2011
2-Nitroaniline	ND	0.87		mg/Kg-dry	1	8/11/2011
3-Nitroaniline	ND	0.87		mg/Kg-dry	1	8/11/2011
4-Nitroaniline	ND	0.87		mg/Kg-dry	1	8/11/2011
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	8/11/2011
4-Nitrophenol	ND	0.87		mg/Kg-dry	1	8/11/2011
Nitrobenzene	ND	0.18		mg/Kg-dry	1	8/11/2011
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	8/11/2011
N-Nitrosodiphenylamine	ND	0.18		mg/Kg-dry	1	8/11/2011

Qualifiers:

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: August 12, 2011

Date Printed: August 12, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-9
Lab Order:	11080238	Collection Date:	8/5/2011 11:35:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080238-009		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/11/2011		Analyst: DM
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	8/11/2011
Phenol	ND	0.18		mg/Kg-dry	1	8/11/2011
Pyridine	ND	0.18		mg/Kg-dry	1	8/11/2011
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	8/11/2011
2,4,5-Trichlorophenol	ND	0.36		mg/Kg-dry	1	8/11/2011
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/11/2011
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/7/2011		Analyst: EJH
Acetone	ND	0.081		mg/Kg-dry	1	8/12/2011
Benzene	ND	0.0054		mg/Kg-dry	1	8/12/2011
Bromodichloromethane	ND	0.0054		mg/Kg-dry	1	8/12/2011
Bromoform	ND	0.0054		mg/Kg-dry	1	8/12/2011
Bromomethane	ND	0.011		mg/Kg-dry	1	8/12/2011
2-Butanone	ND	0.081		mg/Kg-dry	1	8/12/2011
Carbon disulfide	ND	0.054		mg/Kg-dry	1	8/12/2011
Carbon tetrachloride	ND	0.0054		mg/Kg-dry	1	8/12/2011
Chlorobenzene	ND	0.0054		mg/Kg-dry	1	8/12/2011
Chloroethane	ND	0.011		mg/Kg-dry	1	8/12/2011
Chloroform	ND	0.0054		mg/Kg-dry	1	8/12/2011
Chloromethane	ND	0.011		mg/Kg-dry	1	8/12/2011
Dibromochloromethane	ND	0.0054		mg/Kg-dry	1	8/12/2011
1,1-Dichloroethane	ND	0.0054		mg/Kg-dry	1	8/12/2011
1,2-Dichloroethane	ND	0.0054		mg/Kg-dry	1	8/12/2011
1,1-Dichloroethene	ND	0.0054		mg/Kg-dry	1	8/12/2011
cis-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	8/12/2011
trans-1,2-Dichloroethene	ND	0.0054		mg/Kg-dry	1	8/12/2011
1,2-Dichloropropane	ND	0.0054		mg/Kg-dry	1	8/12/2011
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/12/2011
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	8/12/2011
Ethylbenzene	ND	0.0054		mg/Kg-dry	1	8/12/2011
2-Hexanone	ND	0.022		mg/Kg-dry	1	8/12/2011
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	8/12/2011
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/12/2011
Methyl tert-butyl ether	ND	0.0054		mg/Kg-dry	1	8/12/2011
Styrene	ND	0.0054		mg/Kg-dry	1	8/12/2011
1,1,2,2-Tetrachloroethane	ND	0.0054		mg/Kg-dry	1	8/12/2011
Tetrachloroethene	ND	0.0054		mg/Kg-dry	1	8/12/2011
Toluene	ND	0.0054		mg/Kg-dry	1	8/12/2011
1,1,1-Trichloroethane	ND	0.0054		mg/Kg-dry	1	8/12/2011

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: August 12, 2011

Date Printed: August 12, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-9
Lab Order:	11080238	Collection Date:	8/5/2011 11:35:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080238-009		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	SW5035/8260B				Prep Date: 8/7/2011	Analyst: EJH
1,1,2-Trichloroethane	ND	0.0054		mg/Kg-dry	1	8/12/2011
Trichloroethene	ND	0.0054		mg/Kg-dry	1	8/12/2011
Vinyl chloride	ND	0.0054		mg/Kg-dry	1	8/12/2011
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/12/2011
Percent Moisture	D2974				Prep Date: 8/8/2011	Analyst: RW
Percent Moisture	16.8	0.2	*	wt%	1	8/9/2011

Qualifiers:

ND - Not Detected at the Reporting Limit
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 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

STAT Analysis Corporation

Sample Receipt Checklist

Client Name **AECOM**

Date and Time Received: **8/5/2011 2:00:00 PM**

Work Order Number **11080238**

Received by: **DJ**

Checklist completed by: [Signature] Date 8/5/11

Reviewed by: KC Date 8/8/11

Matrix: _____ Carrier name: Client Delivered

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels/containers? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container or Temp Blank temperature in compliance? Yes No Temperature **3.3 °C**
- Water - VOA vials have zero headspace? No VOA vials submitted Yes No
- Water - Samples pH checked? Yes No Checked by: _____
- Water - Samples properly preserved? Yes No pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments: _____

Client / Person contacted: _____ Date contacted: _____ Contacted by: _____

Response: _____

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August 16, 2011

AECOM Environmental Group
303 East Wacker
Suite 909
Chicago, IL 60601
Telephone: (847) 279-2500
Fax: (847) 279-2510

RE: Wentworth-CCHD, Wentworth&Ridge-Wentworth&Glenwoo

STAT Project No: 11080327

Dear Steve Newlin:

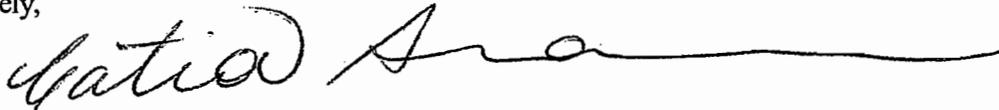
STAT Analysis received 7 samples for the referenced project on 8/9/2011 12:15:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Catia Giannini
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.

STAT Analysis Corporation

Date: August 16, 2011

Client: AECOM Environmental Group
Project: Wentworth-CCHD, Wentworth&Ridge-Wentworth&Gl **Work Order Sample Summary**
Lab Order: 11080327

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
11080327-001A	B-10		8/9/2011 9:50:00 AM	8/9/2011
11080327-001B	B-10		8/9/2011 9:50:00 AM	8/9/2011
11080327-002A	B-11		8/9/2011 10:00:00 AM	8/9/2011
11080327-002B	B-11		8/9/2011 10:00:00 AM	8/9/2011
11080327-003A	B-12		8/9/2011 10:10:00 AM	8/9/2011
11080327-003B	B-12		8/9/2011 10:10:00 AM	8/9/2011
11080327-004A	B-13		8/9/2011 10:20:00 AM	8/9/2011
11080327-004B	B-13		8/9/2011 10:20:00 AM	8/9/2011
11080327-005A	B-14		8/9/2011 10:30:00 AM	8/9/2011
11080327-005B	B-14		8/9/2011 10:30:00 AM	8/9/2011
11080327-006A	B-15		8/9/2011 10:50:00 AM	8/9/2011
11080327-006B	B-15		8/9/2011 10:50:00 AM	8/9/2011
11080327-007A	B-16		8/9/2011 11:00:00 AM	8/9/2011
11080327-007B	B-16		8/9/2011 11:00:00 AM	8/9/2011

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: August 16, 2011

Date Printed: August 16, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-11
Lab Order:	11080327	Collection Date:	8/9/2011 10:00:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080327-002		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 8/15/2011	Analyst: JG
Mercury	0.021	0.019		mg/Kg-dry	1	8/15/2011
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 8/13/2011	Analyst: JG
Arsenic	5	1.2		mg/Kg-dry	10	8/13/2011
Barium	72	1.2		mg/Kg-dry	10	8/13/2011
Cadmium	ND	0.58		mg/Kg-dry	10	8/13/2011
Chromium	13	1.2		mg/Kg-dry	10	8/13/2011
Lead	14	0.58		mg/Kg-dry	10	8/13/2011
Selenium	ND	1.2		mg/Kg-dry	10	8/13/2011
Silver	ND	1.2		mg/Kg-dry	10	8/13/2011
Semivolatile Organic Compounds by GC/MS	SW8270C-SIM (SW3550B)				Prep Date: 8/14/2011	Analyst: VS
Acenaphthene	ND	0.035		mg/Kg-dry	10	8/14/2011
Acenaphthylene	ND	0.035		mg/Kg-dry	10	8/14/2011
Anthracene	ND	0.035		mg/Kg-dry	10	8/14/2011
Benz(a)anthracene	ND	0.035		mg/Kg-dry	10	8/14/2011
Benzo(a)pyrene	ND	0.035		mg/Kg-dry	10	8/14/2011
Benzo(b)fluoranthene	ND	0.035		mg/Kg-dry	10	8/14/2011
Benzo(g,h,i)perylene	ND	0.035		mg/Kg-dry	10	8/14/2011
Benzo(k)fluoranthene	ND	0.035		mg/Kg-dry	10	8/14/2011
Chrysene	ND	0.035		mg/Kg-dry	10	8/14/2011
Dibenz(a,h)anthracene	ND	0.035		mg/Kg-dry	10	8/14/2011
Fluoranthene	ND	0.035		mg/Kg-dry	10	8/14/2011
Fluorene	ND	0.035		mg/Kg-dry	10	8/14/2011
Indeno(1,2,3-cd)pyrene	ND	0.035		mg/Kg-dry	10	8/14/2011
Naphthalene	ND	0.035		mg/Kg-dry	10	8/14/2011
Phenanthrene	ND	0.035		mg/Kg-dry	10	8/14/2011
Pyrene	ND	0.035		mg/Kg-dry	10	8/14/2011
N-Nitrosodi-n-propylamine	ND	0.035		mg/Kg-dry	10	8/14/2011
Pentachlorophenol	ND	0.035		mg/Kg-dry	10	8/14/2011
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/14/2011	Analyst: DM
Aniline	ND	0.18		mg/Kg-dry	1	8/15/2011
Benzidine	ND	0.18		mg/Kg-dry	1	8/15/2011
Benzoic acid	ND	0.85		mg/Kg-dry	1	8/15/2011
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	8/15/2011
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	8/15/2011
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	8/15/2011
Bis(2-ethylhexyl)phthalate	ND	0.85		mg/Kg-dry	1	8/15/2011
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/15/2011

Qualifiers:

ND - Not Detected at the Reporting Limit
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 B - Analyte detected in the associated Method Blank
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: August 16, 2011

Date Printed: August 16, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-11
Lab Order:	11080327	Collection Date:	8/9/2011 10:00:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080327-002		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/14/2011		Analyst: DM
Butyl benzyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2011
Carbazole	ND	0.18		mg/Kg-dry	1	8/15/2011
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	8/15/2011
4-Chloro-3-methylphenol	ND	0.18		mg/Kg-dry	1	8/15/2011
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	8/15/2011
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2011
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/15/2011
Dibenzofuran	ND	0.18		mg/Kg-dry	1	8/15/2011
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2011
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2011
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2011
3,3'-Dichlorobenzidine	ND	0.35		mg/Kg-dry	1	8/15/2011
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2011
Diethyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2011
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	8/15/2011
Dimethyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2011
4,6-Dinitro-2-methylphenol	ND	0.85		mg/Kg-dry	1	8/15/2011
2,4-Dinitrophenol	ND	0.85		mg/Kg-dry	1	8/15/2011
2,4-Dinitrotoluene	ND	0.18		mg/Kg-dry	1	8/15/2011
2,6-Dinitrotoluene	ND	0.18		mg/Kg-dry	1	8/15/2011
Di-n-butyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2011
Di-n-octyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2011
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2011
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	8/15/2011
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	8/15/2011
Hexachloroethane	ND	0.18		mg/Kg-dry	1	8/15/2011
Isophorone	ND	0.18		mg/Kg-dry	1	8/15/2011
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	8/15/2011
2-Methylphenol	ND	0.18		mg/Kg-dry	1	8/15/2011
4-Methylphenol	ND	0.18		mg/Kg-dry	1	8/15/2011
2-Nitroaniline	ND	0.85		mg/Kg-dry	1	8/15/2011
3-Nitroaniline	ND	0.85		mg/Kg-dry	1	8/15/2011
4-Nitroaniline	ND	0.85		mg/Kg-dry	1	8/15/2011
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	8/15/2011
4-Nitrophenol	ND	0.85		mg/Kg-dry	1	8/15/2011
Nitrobenzene	ND	0.18		mg/Kg-dry	1	8/15/2011
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	8/15/2011
N-Nitrosodiphenylamine	ND	0.18		mg/Kg-dry	1	8/15/2011

Qualifiers:

ND - Not Detected at the Reporting Limit

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Date Reported: August 16, 2011

Date Printed: August 16, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-11
Lab Order:	11080327	Collection Date:	8/9/2011 10:00:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080327-002		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/14/2011		Analyst: DM
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	8/15/2011
Phenol	ND	0.18		mg/Kg-dry	1	8/15/2011
Pyridine	ND	0.18		mg/Kg-dry	1	8/15/2011
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2011
2,4,5-Trichlorophenol	ND	0.35		mg/Kg-dry	1	8/15/2011
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2011
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/10/2011		Analyst: PS
Acetone	ND	0.078		mg/Kg-dry	1	8/13/2011
Benzene	ND	0.0052		mg/Kg-dry	1	8/13/2011
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	8/13/2011
Bromoform	ND	0.0052		mg/Kg-dry	1	8/13/2011
Bromomethane	ND	0.01		mg/Kg-dry	1	8/13/2011
2-Butanone	ND	0.078		mg/Kg-dry	1	8/13/2011
Carbon disulfide	ND	0.052		mg/Kg-dry	1	8/13/2011
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	8/13/2011
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	8/13/2011
Chloroethane	ND	0.01		mg/Kg-dry	1	8/13/2011
Chloroform	ND	0.0052		mg/Kg-dry	1	8/13/2011
Chloromethane	ND	0.01		mg/Kg-dry	1	8/13/2011
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	8/13/2011
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/13/2011
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	8/13/2011
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/13/2011
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/13/2011
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	8/13/2011
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	8/13/2011
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/13/2011
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/13/2011
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	8/13/2011
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/13/2011
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/13/2011
Methylene chloride	ND	0.01		mg/Kg-dry	1	8/13/2011
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	8/13/2011
Styrene	ND	0.0052		mg/Kg-dry	1	8/13/2011
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	8/13/2011
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	8/13/2011
Toluene	ND	0.0052		mg/Kg-dry	1	8/13/2011
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/13/2011

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
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Date Reported: August 16, 2011

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Client:	AECOM Environmental Group	Client Sample ID:	B-11
Lab Order:	11080327	Collection Date:	8/9/2011 10:00:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080327-002		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	SW5035/8260B				Prep Date: 8/10/2011	Analyst: PS
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	8/13/2011
Trichloroethene	ND	0.0052		mg/Kg-dry	1	8/13/2011
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	8/13/2011
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/13/2011
Percent Moisture	D2974				Prep Date: 8/12/2011	Analyst: JP
Percent Moisture	15.0	0.2	*	wt%	1	8/15/2011

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	HT - Sample received past holding time	E - Value above quantitation range
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Date Reported: August 16, 2011

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Client:	AECOM Environmental Group	Client Sample ID:	B-13
Lab Order:	11080327	Collection Date:	8/9/2011 10:20:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080327-004		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 8/15/2011	Analyst: JG
Mercury	0.026	0.02		mg/Kg-dry	1	8/15/2011
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 8/13/2011	Analyst: JG
Arsenic	5.7	1.1		mg/Kg-dry	10	8/13/2011
Barium	100	1.1		mg/Kg-dry	10	8/13/2011
Cadmium	ND	0.57		mg/Kg-dry	10	8/13/2011
Chromium	16	1.1		mg/Kg-dry	10	8/13/2011
Lead	19	0.57		mg/Kg-dry	10	8/13/2011
Selenium	ND	1.1		mg/Kg-dry	10	8/13/2011
Silver	ND	1.1		mg/Kg-dry	10	8/13/2011
Semivolatile Organic Compounds by GC/MS	SW8270C-SIM (SW3550B)				Prep Date: 8/14/2011	Analyst: VS
Acenaphthene	ND	0.035		mg/Kg-dry	10	8/14/2011
Acenaphthylene	ND	0.035		mg/Kg-dry	10	8/14/2011
Anthracene	0.11	0.035		mg/Kg-dry	10	8/14/2011
Benz(a)anthracene	0.2	0.035		mg/Kg-dry	10	8/14/2011
Benzo(a)pyrene	0.19	0.035		mg/Kg-dry	10	8/14/2011
Benzo(b)fluoranthene	0.2	0.035		mg/Kg-dry	10	8/14/2011
Benzo(g,h,i)perylene	0.065	0.035		mg/Kg-dry	10	8/14/2011
Benzo(k)fluoranthene	0.17	0.035		mg/Kg-dry	10	8/14/2011
Chrysene	0.17	0.035		mg/Kg-dry	10	8/14/2011
Dibenz(a,h)anthracene	ND	0.035		mg/Kg-dry	10	8/14/2011
Fluoranthene	0.46	0.035		mg/Kg-dry	10	8/14/2011
Fluorene	ND	0.035		mg/Kg-dry	10	8/14/2011
Indeno(1,2,3-cd)pyrene	0.065	0.035		mg/Kg-dry	10	8/14/2011
Naphthalene	ND	0.035		mg/Kg-dry	10	8/14/2011
Phenanthrene	0.26	0.035		mg/Kg-dry	10	8/14/2011
Pyrene	0.37	0.035		mg/Kg-dry	10	8/14/2011
N-Nitrosodi-n-propylamine	ND	0.035		mg/Kg-dry	10	8/14/2011
Pentachlorophenol	ND	0.035		mg/Kg-dry	10	8/14/2011
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/14/2011	Analyst: DM
Aniline	ND	0.18		mg/Kg-dry	1	8/15/2011
Benzidine	ND	0.18		mg/Kg-dry	1	8/15/2011
Benzoic acid	ND	0.86		mg/Kg-dry	1	8/15/2011
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	8/15/2011
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	8/15/2011
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	8/15/2011
Bis(2-ethylhexyl)phthalate	ND	0.86		mg/Kg-dry	1	8/15/2011
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/15/2011

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Date Reported: August 16, 2011

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Client:	AECOM Environmental Group	Client Sample ID:	B-13
Lab Order:	11080327	Collection Date:	8/9/2011 10:20:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080327-004		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)		Prep Date: 8/14/2011		Analyst: DM	
Butyl benzyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2011
Carbazole	ND	0.18		mg/Kg-dry	1	8/15/2011
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	8/15/2011
4-Chloro-3-methylphenol	ND	0.18		mg/Kg-dry	1	8/15/2011
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	8/15/2011
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2011
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	8/15/2011
Dibenzofuran	ND	0.18		mg/Kg-dry	1	8/15/2011
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2011
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2011
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2011
3,3'-Dichlorobenzidine	ND	0.35		mg/Kg-dry	1	8/15/2011
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2011
Diethyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2011
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	8/15/2011
Dimethyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2011
4,6-Dinitro-2-methylphenol	ND	0.86		mg/Kg-dry	1	8/15/2011
2,4-Dinitrophenol	ND	0.86		mg/Kg-dry	1	8/15/2011
2,4-Dinitrotoluene	ND	0.18		mg/Kg-dry	1	8/15/2011
2,6-Dinitrotoluene	ND	0.18		mg/Kg-dry	1	8/15/2011
Di-n-butyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2011
Di-n-octyl phthalate	ND	0.18		mg/Kg-dry	1	8/15/2011
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2011
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	8/15/2011
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	8/15/2011
Hexachloroethane	ND	0.18		mg/Kg-dry	1	8/15/2011
Isophorone	ND	0.18		mg/Kg-dry	1	8/15/2011
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	8/15/2011
2-Methylphenol	ND	0.18		mg/Kg-dry	1	8/15/2011
4-Methylphenol	ND	0.18		mg/Kg-dry	1	8/15/2011
2-Nitroaniline	ND	0.86		mg/Kg-dry	1	8/15/2011
3-Nitroaniline	ND	0.86		mg/Kg-dry	1	8/15/2011
4-Nitroaniline	ND	0.86		mg/Kg-dry	1	8/15/2011
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	8/15/2011
4-Nitrophenol	ND	0.86		mg/Kg-dry	1	8/15/2011
Nitrobenzene	ND	0.18		mg/Kg-dry	1	8/15/2011
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	8/15/2011
N-Nitrosodiphenylamine	ND	0.18		mg/Kg-dry	1	8/15/2011

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

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Lab Order:	11080327	Collection Date:	8/9/2011 10:20:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080327-004		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS						
	SW8270C (SW3550B)		Prep Date: 8/14/2011		Analyst: DM	
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	8/15/2011
Phenol	ND	0.18		mg/Kg-dry	1	8/15/2011
Pyridine	ND	0.18		mg/Kg-dry	1	8/15/2011
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	8/15/2011
2,4,5-Trichlorophenol	ND	0.35		mg/Kg-dry	1	8/15/2011
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	8/15/2011
Volatile Organic Compounds by GC/MS						
	SW5035/8260B		Prep Date: 8/10/2011		Analyst: PS	
Acetone	ND	0.073		mg/Kg-dry	1	8/13/2011
Benzene	ND	0.0048		mg/Kg-dry	1	8/13/2011
Bromodichloromethane	ND	0.0048		mg/Kg-dry	1	8/13/2011
Bromoform	ND	0.0048		mg/Kg-dry	1	8/13/2011
Bromomethane	ND	0.0097		mg/Kg-dry	1	8/13/2011
2-Butanone	ND	0.073		mg/Kg-dry	1	8/13/2011
Carbon disulfide	ND	0.048		mg/Kg-dry	1	8/13/2011
Carbon tetrachloride	ND	0.0048		mg/Kg-dry	1	8/13/2011
Chlorobenzene	ND	0.0048		mg/Kg-dry	1	8/13/2011
Chloroethane	ND	0.0097		mg/Kg-dry	1	8/13/2011
Chloroform	ND	0.0048		mg/Kg-dry	1	8/13/2011
Chloromethane	ND	0.0097		mg/Kg-dry	1	8/13/2011
Dibromochloromethane	ND	0.0048		mg/Kg-dry	1	8/13/2011
1,1-Dichloroethane	ND	0.0048		mg/Kg-dry	1	8/13/2011
1,2-Dichloroethane	ND	0.0048		mg/Kg-dry	1	8/13/2011
1,1-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/13/2011
cis-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/13/2011
trans-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	8/13/2011
1,2-Dichloropropane	ND	0.0048		mg/Kg-dry	1	8/13/2011
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/13/2011
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/13/2011
Ethylbenzene	ND	0.0048		mg/Kg-dry	1	8/13/2011
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/13/2011
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/13/2011
Methylene chloride	ND	0.0097		mg/Kg-dry	1	8/13/2011
Methyl tert-butyl ether	ND	0.0048		mg/Kg-dry	1	8/13/2011
Styrene	ND	0.0048		mg/Kg-dry	1	8/13/2011
1,1,2,2-Tetrachloroethane	ND	0.0048		mg/Kg-dry	1	8/13/2011
Tetrachloroethene	ND	0.0048		mg/Kg-dry	1	8/13/2011
Toluene	ND	0.0048		mg/Kg-dry	1	8/13/2011
1,1,1-Trichloroethane	ND	0.0048		mg/Kg-dry	1	8/13/2011

Qualifiers:

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J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: August 16, 2011

Date Printed: August 16, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-13
Lab Order:	11080327	Collection Date:	8/9/2011 10:20:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080327-004		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	SW5035/8260B				Prep Date: 8/10/2011	Analyst: PS
1,1,2-Trichloroethane	ND	0.0048		mg/Kg-dry	1	8/13/2011
Trichloroethene	ND	0.0048		mg/Kg-dry	1	8/13/2011
Vinyl chloride	ND	0.0048		mg/Kg-dry	1	8/13/2011
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/13/2011
Percent Moisture	D2974				Prep Date: 8/12/2011	Analyst: JP
Percent Moisture	15.8	0.2	*	wt%	1	8/15/2011

Qualifiers:

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 HT - Sample received past holding time
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 R - RPD outside accepted recovery limits
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: August 16, 2011

Date Printed: August 16, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-15
Lab Order:	11080327	Collection Date:	8/9/2011 10:50:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080327-006		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 8/15/2011	Analyst: JG
Mercury	0.026	0.02		mg/Kg-dry	1	8/15/2011
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 8/13/2011	Analyst: JG
Arsenic	5.7	1.1		mg/Kg-dry	10	8/13/2011
Barium	71	1.1		mg/Kg-dry	10	8/13/2011
Cadmium	ND	0.56		mg/Kg-dry	10	8/13/2011
Chromium	17	1.1		mg/Kg-dry	10	8/13/2011
Lead	29	0.56		mg/Kg-dry	10	8/13/2011
Selenium	ND	1.1		mg/Kg-dry	10	8/13/2011
Silver	ND	1.1		mg/Kg-dry	10	8/13/2011
Semivolatile Organic Compounds by GC/MS	SW8270C-SIM (SW3550B)				Prep Date: 8/14/2011	Analyst: VS
Acenaphthene	ND	0.034		mg/Kg-dry	1	8/16/2011
Acenaphthylene	ND	0.034		mg/Kg-dry	1	8/16/2011
Anthracene	ND	0.034		mg/Kg-dry	1	8/16/2011
Benz(a)anthracene	0.063	0.034		mg/Kg-dry	1	8/16/2011
Benzo(a)pyrene	0.045	0.034		mg/Kg-dry	1	8/16/2011
Benzo(b)fluoranthene	0.038	0.034		mg/Kg-dry	1	8/16/2011
Benzo(g,h,i)perylene	ND	0.034		mg/Kg-dry	1	8/16/2011
Benzo(k)fluoranthene	0.038	0.034		mg/Kg-dry	1	8/16/2011
Chrysene	0.087	0.034		mg/Kg-dry	1	8/16/2011
Dibenz(a,h)anthracene	ND	0.034		mg/Kg-dry	1	8/16/2011
Fluoranthene	0.14	0.034		mg/Kg-dry	1	8/16/2011
Fluorene	ND	0.034		mg/Kg-dry	1	8/16/2011
Indeno(1,2,3-cd)pyrene	ND	0.034		mg/Kg-dry	1	8/16/2011
Naphthalene	ND	0.034		mg/Kg-dry	1	8/16/2011
Phenanthrene	0.13	0.034		mg/Kg-dry	1	8/16/2011
Pyrene	0.12	0.034		mg/Kg-dry	1	8/16/2011
N-Nitrosodi-n-propylamine	ND	0.034		mg/Kg-dry	1	8/16/2011
Pentachlorophenol	ND	0.034		mg/Kg-dry	1	8/16/2011
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)				Prep Date: 8/14/2011	Analyst: DM
Aniline	ND	1.8		mg/Kg-dry	1	8/15/2011
Benzidine	ND	1.8		mg/Kg-dry	1	8/15/2011
Benzoic acid	ND	8.3		mg/Kg-dry	1	8/15/2011
Benzyl alcohol	ND	1.8		mg/Kg-dry	1	8/15/2011
Bis(2-chloroethoxy)methane	ND	1.8		mg/Kg-dry	1	8/15/2011
Bis(2-chloroethyl)ether	ND	1.8		mg/Kg-dry	1	8/15/2011
Bis(2-ethylhexyl)phthalate	ND	8.3		mg/Kg-dry	1	8/15/2011
4-Bromophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	8/15/2011

Qualifiers:

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S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: August 16, 2011

Date Printed: August 16, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-15
Lab Order:	11080327	Collection Date:	8/9/2011 10:50:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080327-006		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatle Organic Compounds by GC/MS		SW8270C (SW3550B)			Prep Date: 8/14/2011	Analyst: DM
Butyl benzyl phthalate	ND	1.8		mg/Kg-dry	1	8/15/2011
Carbazole	ND	1.8		mg/Kg-dry	1	8/15/2011
4-Chloroaniline	ND	1.8		mg/Kg-dry	1	8/15/2011
4-Chloro-3-methylphenol	ND	1.8		mg/Kg-dry	1	8/15/2011
2-Chloronaphthalene	ND	1.8		mg/Kg-dry	1	8/15/2011
2-Chlorophenol	ND	1.8		mg/Kg-dry	1	8/15/2011
4-Chlorophenyl phenyl ether	ND	1.8		mg/Kg-dry	1	8/15/2011
Dibenzofuran	ND	1.8		mg/Kg-dry	1	8/15/2011
1,2-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	8/15/2011
1,3-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	8/15/2011
1,4-Dichlorobenzene	ND	1.8		mg/Kg-dry	1	8/15/2011
3,3'-Dichlorobenzidine	ND	3.4		mg/Kg-dry	1	8/15/2011
2,4-Dichlorophenol	ND	1.8		mg/Kg-dry	1	8/15/2011
Diethyl phthalate	ND	1.8		mg/Kg-dry	1	8/15/2011
2,4-Dimethylphenol	ND	1.8		mg/Kg-dry	1	8/15/2011
Dimethyl phthalate	ND	1.8		mg/Kg-dry	1	8/15/2011
4,6-Dinitro-2-methylphenol	ND	8.3		mg/Kg-dry	1	8/15/2011
2,4-Dinitrophenol	ND	8.3		mg/Kg-dry	1	8/15/2011
2,4-Dinitrotoluene	ND	1.8		mg/Kg-dry	1	8/15/2011
2,6-Dinitrotoluene	ND	1.8		mg/Kg-dry	1	8/15/2011
Di-n-butyl phthalate	ND	1.8		mg/Kg-dry	1	8/15/2011
Di-n-octyl phthalate	ND	1.8		mg/Kg-dry	1	8/15/2011
Hexachlorobenzene	ND	1.8		mg/Kg-dry	1	8/15/2011
Hexachlorobutadiene	ND	1.8		mg/Kg-dry	1	8/15/2011
Hexachlorocyclopentadiene	ND	1.8		mg/Kg-dry	1	8/15/2011
Hexachloroethane	ND	1.8		mg/Kg-dry	1	8/15/2011
Isophorone	ND	1.8		mg/Kg-dry	1	8/15/2011
2-Methylnaphthalene	ND	1.8		mg/Kg-dry	1	8/15/2011
2-Methylphenol	ND	1.8		mg/Kg-dry	1	8/15/2011
4-Methylphenol	ND	1.8		mg/Kg-dry	1	8/15/2011
2-Nitroaniline	ND	8.3		mg/Kg-dry	1	8/15/2011
3-Nitroaniline	ND	8.3		mg/Kg-dry	1	8/15/2011
4-Nitroaniline	ND	8.3		mg/Kg-dry	1	8/15/2011
2-Nitrophenol	ND	1.8		mg/Kg-dry	1	8/15/2011
4-Nitrophenol	ND	8.3		mg/Kg-dry	1	8/15/2011
Nitrobenzene	ND	1.8		mg/Kg-dry	1	8/15/2011
N-Nitrosodimethylamine	ND	1.8		mg/Kg-dry	1	8/15/2011
N-Nitrosodiphenylamine	ND	1.8		mg/Kg-dry	1	8/15/2011

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HT - Sample received past holding time

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RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

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E - Value above quantitation range

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: August 16, 2011

Date Printed: August 16, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-15
Lab Order:	11080327	Collection Date:	8/9/2011 10:50:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080327-006		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS		SW8270C (SW3550B)		Prep Date: 8/14/2011		Analyst: DM
2, 2'-oxybis(1-Chloropropane)	ND	1.8		mg/Kg-dry	1	8/15/2011
Phenol	ND	1.8		mg/Kg-dry	1	8/15/2011
Pyridine	ND	1.8		mg/Kg-dry	1	8/15/2011
1,2,4-Trichlorobenzene	ND	1.8		mg/Kg-dry	1	8/15/2011
2,4,5-Trichlorophenol	ND	3.4		mg/Kg-dry	1	8/15/2011
2,4,6-Trichlorophenol	ND	1.8		mg/Kg-dry	1	8/15/2011
Volatile Organic Compounds by GC/MS		SW5035/8260B		Prep Date: 8/10/2011		Analyst: PS
Acetone	ND	0.07		mg/Kg-dry	1	8/13/2011
Benzene	ND	0.0047		mg/Kg-dry	1	8/13/2011
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	8/13/2011
Bromoform	ND	0.0047		mg/Kg-dry	1	8/13/2011
Bromomethane	ND	0.0094		mg/Kg-dry	1	8/13/2011
2-Butanone	ND	0.07		mg/Kg-dry	1	8/13/2011
Carbon disulfide	ND	0.047		mg/Kg-dry	1	8/13/2011
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	8/13/2011
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	8/13/2011
Chloroethane	ND	0.0094		mg/Kg-dry	1	8/13/2011
Chloroform	ND	0.0047		mg/Kg-dry	1	8/13/2011
Chloromethane	ND	0.0094		mg/Kg-dry	1	8/13/2011
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	8/13/2011
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/13/2011
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	8/13/2011
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/13/2011
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/13/2011
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	8/13/2011
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	8/13/2011
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/13/2011
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	8/13/2011
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	8/13/2011
2-Hexanone	ND	0.019		mg/Kg-dry	1	8/13/2011
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	8/13/2011
Methylene chloride	ND	0.0094		mg/Kg-dry	1	8/13/2011
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	8/13/2011
Styrene	ND	0.0047		mg/Kg-dry	1	8/13/2011
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	8/13/2011
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	8/13/2011
Toluene	ND	0.0047		mg/Kg-dry	1	8/13/2011
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/13/2011

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: August 16, 2011

Date Printed: August 16, 2011

Client:	AECOM Environmental Group	Client Sample ID:	B-15
Lab Order:	11080327	Collection Date:	8/9/2011 10:50:00 AM
Project:	Wentworth-CCHD, Wentworth&Ridge-Wentworth	Matrix:	Soil
Lab ID:	11080327-006		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	SW5035/8260B				Prep Date: 8/10/2011	Analyst: PS
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	8/13/2011
Trichloroethene	ND	0.0047		mg/Kg-dry	1	8/13/2011
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	8/13/2011
Xylenes, Total	ND	0.014		mg/Kg-dry	1	8/13/2011
Percent Moisture	D2974				Prep Date: 8/12/2011	Analyst: JP
Percent Moisture	13.4	0.2	*	wt%	1	8/15/2011

Qualifiers:

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 H - Holding time exceeded

Company: ARECOM		P.O. No.:								
Project Number:		Quote No.:								
Project Name: WESTWORTH - CEAD										
Project Location: WESTWORTH & RIDGE - WESTWORTH & GREENWOOD - LAWSINK										
Sampler(s): BRIAN SUMMIT										
Report To: STEVE NEWLIN										
Phone: 312-373-7782		Turn Around: STANDARD AT								
Fax:		Results Needed:								
QC Level: 1 2 3 4	e-mail: STEVE.NEWLIN@ARECOM.COM									
Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp	Grab	Preserv	No. of Containers	Remarks	Lab. No.:	am/pm
B-10	8/9/11	0950	Soil		X		5	Hold	001	
B-11		1000						Hold	003	
B-12		1010						Hold	003	
B-13		1020						Hold	004	
B-14		1030						Hold	005	
B-15		1050						Hold	006	
B-16		1100						Hold	007	
Turn Around: STANDARD AT Results Needed:										
STAT STOCK METALS										
Laboratory Work Order No.: 11080307										
Received on: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
Temperature: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										
Comments: HOLD SAMPLES PENDING LAB RESULTS ON EVEN NUMBERED SAMPLES										
Preservation Code: A = None B = HNO ₃ C = NaOH D = H ₂ SO ₄ E = HCl F = S035/EnCore G = Other										

STAT Analysis Corporation

Sample Receipt Checklist

Client Name AECOM

Date and Time Received: 8/9/2011 12:15:00 PM

Work Order Number 11080327

Received by: CDF

Checklist completed by: [Signature] Date 8/9/11

Reviewed by: CA Date 8/9/11

Matrix: Carrier name Client Delivered

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels/containers? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container or Temp Blank temperature in compliance? Yes No Temperature 4.6 °C
- Water - VOA vials have zero headspace? No VOA vials submitted Yes No
- Water - Samples pH checked? Yes No Checked by: _____
- Water - Samples properly preserved? Yes No pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments: _____

Client / Person contacted: _____ Date contacted: _____ Contacted by: _____

Response: _____



Bureau of Land • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Uncontaminated soil, including uncontaminated soil mixed with other clean construction or demolition debris (CCDD) materials, accepted at a CCDD fill operation must be certified to be uncontaminated soil in accordance with Section 22.51(f)(2)(B) of the Environmental Protection Act [415 ILCS 5/22.51(f)(2)(B)]. Uncontaminated soil accepted at an uncontaminated soil fill operation must be certified to be uncontaminated soil in accordance with Section 22.51a(d)(2)(B) of the Environmental Protection Act [415 ILCS 5/22.51a(d)(2)(B)]. These certifications must be made by a licensed professional engineer or a licensed professional geologist using this form, LPC-663, when the soil is removed from a site that has been used for commercial or industrial purposes. Uncontaminated soil from a site that has not been used for commercial or industrial purposes may be certified by either the site owner or operator using LPC-662 or by a licensed professional engineer or licensed professional geologist using this form. If you have any questions about this form, telephone the Bureau of Land, Permit Section at 217-524-3300.

1. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: CCHD - Wentworth Avenue Office Phone Number, if available: _____

Physical Site Location (Street, Road): Wentworth Avenue from Lansing Road to Ridge Road

City: Lansing State: IL Zip Code: 60438

County: Cook Township: _____

Latitude and Longitude of approximate center of site:

Latitude: _____ Longitude: _____
(Deg) (Min) (Sec) (Deg) (Min) (Sec) Section Township Range

IEPA Site ID Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

2. Owner/Operator Identification - For Source Site

Site Owner	Site Operator
Name: <u>Cook County Highway Department</u>	Name: _____
Street Address: <u>69 W. Washington, Suite 2100</u>	Street Address: _____
PO Box: _____	PO Box: _____
City: <u>Chicago</u> State: <u>IL</u>	City: _____ State: _____
Zip Code: <u>60602</u> Phone: <u>(312) 603-1613</u>	Zip Code: _____ Phone: _____
Contact: <u>Holly Cichy</u>	Contact: _____
Email, if available: <u>holly.cichy@cookcountyil.gov</u>	Email, if available: _____

Uncontaminated Soil Certification

Project Name: CCHD - Wentworth Avenue

Latitude and Longitude of approximate center of site:

Latitude: _____ Longitude: _____
(Deg) (Min) (Sec) (Deg) (Min) (Sec) Section Township Range

3. Basis for Certification and Attachments

Explain the basis upon which you are certifying that the soil from this site is uncontaminated soil.

Attached lab analysis _____

Attachments: (check all that apply)

- Laboratory Analyses
- Laboratory Accreditation Status
- Authorized Agent Certification
- Other(s) Describe _____

4. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I certify under penalty of law that the information submitted, including but not limited to all attachments and other information, is, to the best of my knowledge and belief, true, accurate, and complete. In accordance with the Environmental Protection Act 415 ILCS 5/22.51a(f)(2)(B) or 5/22.51a(d)(2)(B), I certify that the soil from this site is uncontaminated soil. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: AECOM

Street Address: 750 Corporate Woods Parkway

City: Vernon Hills State: IL Zip Code: 60061

Phone: 847-279-2500

Tony A. Kiefer

Licensed Professional Engineer or
Licensed Professional Geologist Signature.

8/22/2011

Date:

TONY A. KIEFER

Printed Name:



**SPECIAL PROVISION
FOR
MANAGING CONCRETE WASTE**

Description. Prevent or reduce the discharge of pollutants to stormwater from concrete waste including diamond grinding slurry or residue by conducting washout offsite or by performing onsite washout in a designated area.

Construction. Perform this work on projects where;

- Concrete is used as a construction material or where concrete dust and debris result from demolition activities
- Slurries containing portland cement concrete (PCC) or asphalt concrete (AC) are generated, such as from saw cutting, coring, grinding, grooving, and hydro-concrete demolition
- Concrete trucks and other concrete-coated equipment are washed onsite
- Mortar-mixing stations exist

Requirements.

- No discharge of water/lime slurry will be allowed to enter "waters of the state".
"Waters of the state" - all rivers, streams, lakes and other bodies of surface and subsurface water lying within the boundaries of the state which are not entirely confined and located completely upon lands owned, leased or otherwise controlled by a single person or entity.
- The slurry shall not be discharged to drainage ways, non-vegetated areas or anywhere storm water runoff is likely to occur.
- Discharge of the slurry should be stopped
 - at least 25 feet from creeks and rivers on slopes less than 12 percent.
 - at least 50 feet on slopes 12 percent to 25 percent in areas with healthy vegetation on the road right of way.
 - at least 12 feet from the bottom of all ditches.
- On sites where there is sparse or no vegetation to control the movement of the slurry, alternatives that may be used include:
 - Pump the slurry into tankers and hauled to an area where it can be spread as a lime supplement. This method will require additional tankers and land close to the project site.
 - Incorporate the slurry into the soil on the right of way next to the road where it will not impact waters of the state, highway or shoulders.
- The Resident Engineer must approve any other method of application or use of the slurry. The design engineer should be contacted for guidance on the use of alternative methods.
- Precautions must be taken at all times to prevent the slurry from entering the waters of the state. Should improper application occur which may result in a discharge of lime slurry to the waters of the state, the contractor shall immediately remove the slurry and notify the Resident Engineer.

Implementation. The following steps shall be taken to help reduce stormwater pollution from concrete wastes:

- Store dry and wet materials under cover, away from drainage areas.
- Avoid mixing excess amounts of fresh concrete.
- Perform washout of concrete trucks offsite or in designated areas only.
- Do not wash out concrete trucks into storm drains, open ditches, streets, or streams.
- Do not allow excess concrete to be dumped onsite, except in designated areas.

For onsite washout:

- Locate washout area at least 50 feet from storm drains, open ditches, or water bodies.
- Prevent runoff from this area by constructing a temporary pit or bermed area large enough for liquid and solid waste.
- Wash out wastes into the temporary pit where the concrete can set, be broken up, and then disposed properly.
- Avoid creating runoff by draining water to a bermed or level area when washing concrete to remove fine particles and expose the aggregate.
- Do not wash sweepings from exposed aggregate concrete into the street or storm drain.
- Collect and return sweepings to aggregate base stockpile or dispose in the trash.

For Concrete Slurry Wastes. The following steps shall be taken when handling and disposing of concrete slurry wastes containing portland cement concrete (PCC) or asphalt concrete (AC) generated, such as from saw cutting, coring, grinding, grooving, and hydro-concrete demolition.

- PCC and AC waste should not be allowed to enter storm drains or watercourses.
- PCC and AC waste should be collected and disposed of or placed in a temporary concrete washout facility.
- A sign should be installed adjacent to each temporary concrete washout facility to inform concrete equipment operators to utilize the proper facilities.
- Below grade concrete washout facilities are typical. Above grade facilities are used if excavation is not practical.
- A foreman or construction supervisor should monitor onsite concrete working tasks, such as saw cutting, coring, grinding and grooving to ensure proper methods are implemented.
- Saw-cut PCC slurry should not be allowed to enter storm drains or watercourses.
- Residue from grinding operations should be picked up by means of a vacuum attachment to the grinding machine.
- Saw cutting residue should not be allowed to flow across the pavement and should not be left on the surface of the pavement.

Slurry residue should be vacuumed and disposed in a temporary pit (as described below) and allowed to dry. Dispose of dry slurry residue in accordance with

For Onsite Temporary Concrete Washout Facility:

- Temporary concrete washout facilities should be located a minimum of 50 ft from storm drain inlets, open drainage facilities, and watercourses. Each facility should be located away from construction traffic or access areas to prevent disturbance or tracking.
- A sign should be installed adjacent to each washout facility to inform concrete equipment operators to utilize the proper facilities.
- Temporary concrete washout facilities should be constructed above grade or below grade at the option of the contractor. Temporary concrete washout facilities should be constructed and maintained in sufficient quantity and size to contain all liquid and concrete waste generated by washout operations.
- Temporary washout facilities should have a temporary pit or bermed areas of sufficient volume to completely contain all liquid and waste concrete materials generated during washout procedures.
- Washout of concrete trucks should be performed in designated areas only.
- Only concrete from mixer truck chutes should be washed into concrete wash out.
- Concrete washout from concrete pumper bins can be washed into concrete pumper trucks and discharged into designated washout area or properly disposed of offsite.
- Once concrete wastes are washed into the designated area and allowed to harden, the concrete should be broken up, removed, and disposed of per WM-5, Solid Waste Management. Dispose of hardened concrete on a regular basis.
- Temporary Concrete Washout Facility (Type Above Grade)
 - Temporary concrete washout facility (type above grade) should be constructed as shown on the details at the end of this BMP, with a recommended minimum length and minimum width of 10 ft, but with sufficient quantity and volume to contain all liquid and concrete waste generated by washout operations.
 - Silt Fence, wood stakes, and sandbag materials should conform to the provisions in SE-9, Straw Bale Barrier.
 - Plastic lining material should be a minimum of 10 mil in polyethylene sheeting and should be free of holes, tears, or other defects that compromise the impermeability of the material.
- Temporary Concrete Washout Facility (Type Below Grade)
 - Temporary concrete washout facilities (type below grade) should be constructed as shown on the details at the end of this BMP, with a recommended minimum length and minimum width of 10 ft. The quantity and volume should be sufficient to contain all liquid and concrete waste generated by washout operations.
 - Lath and flagging should be commercial type.
 - Plastic lining material should be a minimum of 10 mil polyethylene sheeting and should be free of holes, tears, or other defects that compromise the impermeability of the material.

Removal of Temporary Concrete Washout Facilities: When temporary concrete washout facilities are no longer required for the work, the hardened concrete should be removed and disposed of. Materials used to construct temporary concrete washout facilities should be removed from the site of the work and disposed of. Holes, depressions or other ground disturbance caused by the removal of the temporary concrete washout facilities should be backfilled and repaired.

Inspection and Maintenance.

- Inspect and verify that activity-based BMPs are in place prior to the commencement of associated activities. While activities associated with the BMP are under way, inspect weekly during the rainy season and of two-week intervals in the non-rainy season to verify continued BMP implementation.
- Temporary concrete washout facilities should be maintained to provide adequate holding capacity with a minimum freeboard of 4 in. for above grade facilities and 12 in. for below grade facilities.
- Maintaining temporary concrete washout facilities should include removing and disposing of hardened concrete and returning the facilities to a functional condition.
- Hardened concrete materials should be removed and disposed of.
- Washout facilities must be cleaned, or new facilities must be constructed and ready for use once the washout is 75% full.

Disposal for the Diamond Grinding Slurry (Non Hazardous Only).

Transporting. - Transport the diamond grinding slurry from the diamond grinder to a licensed Type II municipal landfill for solidification or to a licensed liquid industrial waste disposal facility. Cover and contain to prevent loss to the environment during transport and delivery to the licensed facility.

Solid Waste Facility. Dispose of the diamond grinding slurry in a licensed Type II municipal landfill pursuant to Part 115 of Solid Waste Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451). The disposal shall be consistent with the landfill's waste acceptance policies and the slurry shall be solidified sufficiently to pass the paint filter test.

Licensed Liquid Industrial Waste Disposal Facility. The diamond grinding slurry may also be processed as a liquid industrial waste at a licensed liquid industrial waste facility pursuant to Part 121 of the Liquid Industrial Waste, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended (Act 451), provided the disposal is consistent with the licensed liquid waste facility processor acceptance policies.

Records Furnish a complete waste disposal manifest for each load prepared by the Contractor with copies to the Engineer containing information on the point of generation including roadway, the volume transported, and the name of licensed disposal facility.

Contractor Responsibility for Method of Operations. This specification sets forth minimum steps to avoid violating environmental laws. It remains the responsibility of the Contractor to determine whether more than those minimum steps are required and to perform the work required by this contract in whatever manner may be required to comply with applicable laws. The Contractor shall be liable to the Department for any fines, costs, or remediation costs incurred by the Department as a result of the Contractor's failure to be in compliance with this specification and all federal, state and local laws.

Measurement and Payment: All costs associated with the collecting, handling, transporting by contractor or licensed industrial waste hauler, manifesting the waste, managing the diamond grinding slurry, and disposing will not be paid for separately but will be included in the payment for other items of work. All costs associated with full compliance with applicable laws regardless of whether or not all applicable laws are cited in this special provision or in the Standard Specification for Construction will be borne by the Contractor.

**SPECIAL PROVISION
FOR
DOWEL BARS**

Revise the fifth and sixth sentences of Article 1006.11(b) of the Standard Specifications to read:

"The bars shall be epoxy coated according to AASHTO M 284, except the thickness of the epoxy shall be 7 to 12 mils (0.18 to 0.30 mm) and patching of the ends will not be required. The epoxy coating applicator shall be certified according to the current IDOT Bureau of Materials and Physical Research Policy Memorandum, "Epoxy Coating Plant Certification Procedure". The Department will maintain an approved list."

Basis of Payment. Dowel Bars required for Pavement Patching or placement of P.C. Concrete Pavement will NOT be paid for separately. The cost of the dowel bars will be included in the cost for the respective pavement replacement item. Contraction joints requiring the use of dowel bars will be located at the direction of the Engineer and placed in accordance with the applicable Illinois Department of Transportation Standard or Specification as well as any other note, detail or standard contained in the project plans and specifications.

**SPECIAL PROVISION
FOR
PAVEMENT THICKNESS DEFICIENCY**

The Contractor's attention is brought to Section 407 of the Standard Specification; Hot-Mix Asphalt Pavement (Full-Depth). This contract specifies payment of various Hot-Mix Asphalt mixtures on a per Ton basis or in the case of Hot-Mix Asphalt Shoulders, by the Square Yard. The pay item for Hot-Mix Asphalt Pavement (Full-Depth) is not used. However, it is the intent of this contract to construct the proposed pavement to the layer thicknesses and total thickness as shown on the plans.

The provisions in Article 407.10 governing deficient pavement thickness will be adhered to with the following alterations or additions:

References to the Contract Unit Price as given in Sections 407.10(a) and (b) will relate to the various Hot-Mix Asphalt items in the contract and as described below.

Basis of Payment. The "Contract Unit Price" will not refer to the item, Hot-Mix Asphalt Pavement (Full-Depth), but will instead refer to the total of the costs of the various Hot-Mix layers used to construct the pavement. The total cost per square yard will be calculated by taking the plan thicknesses and computing a tonnage yield for each material per square yard, multiplying this calculated yield by the contract cost per Ton for each material and summing these costs to produce the total cost. This calculated cost per square yard will then be multiplied by the total area of deficient thickness and the deduction penalty will be applied.

**SPECIAL PROVISION
FOR
SURVEY MONUMENTS**

Description. The Contractor shall cause all work necessary to be performed for the preservation, relocation and erection of Survey Monuments at all points hereinafter described. Installation shall be made in accordance with the details shown on plans.

Survey Monuments. All section, quarter section or other government established corners which are discovered or known to exist within the limits of the proposed improvement are to be re-established (as later specified) in accordance with the details shown on the Standard Design for Cook County Survey Monuments. All section corners located within the project limits or as called out on the plans will be located by a Registered Land Surveyor and a physical monument installed at the located corner in accordance with the details specified below. This will be done even if an existing monument is not found at that corner.

Placing Monuments. When monuments are located within the limits of the proposed improvements, they shall not be disturbed by the Contractor until a Registered Land Surveyor shall have made such reference as may be necessary to preserve their location. After the pavement is laid, the original location of the monuments shall be identified by placing in position, vertically above or below the original location, the new monuments which shall comply with details shown on the Standard Designs. In case monuments do not fall within the limits of the pavement, the monument shall be placed in a 2-1/2 inch wrought iron pipe, 3 feet long, driven flush with the ground surface and grouted as shown on the aforesaid Standard design. The plugs for this purpose shall be furnished by a Registered Land Surveyor and shall be set securely and in a workmanlike manner flush with the surface of the ground or pavement in accordance with the requirements of the law and under the direction of a Registered Land Surveyor. When section corners without existing monumentation are located within the project limits or as specifically directed in the plans, that corner shall be located and monumented as described above.

Plat. The location of all monuments to be preserved, reset or erected within the limits of the improvement shall be shown on a plat or plats which delineates and describes each corner monument. Preparation of the above plat must conform with Illinois Public Act 79-649, entitled "An Act to provide for the perpetuation of land survey Monuments". Each plat shall be recorded by the Surveyor in the office of the County Recorder. Copies of the plat or plats, as recorded and bearing the appropriate document number, shall be furnished to and become the property of the Cook County Highway Department (one copy to the Pavement Geometrics Division - Survey Section and one copy to the Right of Way Bureau).

Basis of Payment. This work will be paid for at the contract unit price each for Survey Monuments, relocated and erected within the limits of the improvement or as specifically directed in the plans, which price shall include the cost of all labor, tools and materials used in the performance of preserving, relocating and identifying the monuments, as well as the salary and expense of the Registered Land Surveyor while engaged in this work.

**SPECIAL PROVISION
FOR
SOILS INFORMATION**

All soils information upon which the design was prepared is available for examination by all prospective bidders at the office of the Cook County Highway Department. Information may also be posted on the Highway Department ftp site along with the contract plans. All interested parties are advised to access this site to review any posted information. Instructions for accessing this site are found on page 2 of this document. Information regarding Clean Construction Debris and Demolition (CCDD), if applicable to the project, may be found in the special provision.

Any information shown on the plans, posted online, available in the Highway Department offices or contained in the Special Provisions pertaining to subsurface exploration, borings, test pits, roadway cores and other preliminary investigations represents only the best knowledge of the Department as to the location, character or quantity of the materials encountered and is only included for the convenience of the bidder. The Department assumes no responsibility whatever in respect to the sufficiency or accuracy of the information, and there is no guaranty, either expressed or implied, that the conditions indicated are representative of those existing throughout the work, or that unanticipated developments may not occur.

The bidder will be permitted to see and examine this information for whatever value he considers it worth. Any additional borings deemed necessary by the bidder shall be made at his own expense. It is expected that each bidder will, prior to submitting his bid, visit the site of the work, examine the local conditions, inform himself as to the accessibility of the work, and ascertain the character of the material to be excavated and obtain such available information as will assist him to make an intelligent bid. Failure of a bidder to make such an examination may be held to be sufficient reason to reject his bid. No allowance will be made for failure of a bidder or contractor to estimate the difficulties attending the execution of the work.

**SPECIAL PROVISION
FOR
EMBANKMENT**

All material excavated on site and designated to be used as fill on the plans or described as fill on the typical sections, cross sections, notes, details or specifications for this project shall be placed in accordance with Section 205 of the Standard Specifications for Road and Bridge Construction with the exception that no additional compensation will be allowed for this work and it will be considered as included in the contract unit price for Earth Excavation.

Borrow Excavation, Porous Granular Embankment, Trench Backfill or any other specific fill material shall be paid for per the unit price for each respective item as specified. Material stockpiled and used as backfill in the areas of unsuitable material excavation or due to construction staging shall be measured as compacted in-place and paid for per cubic yard (cubic meter) for Earth Excavation as provided for in the plans and as directed by the Engineer. No additional compensation will be made for material that is stockpiled but not used.

All surplus or unsuitable material will be wasted in accordance with Section 202 of the Standard Specifications for Road and Bridge Construction.

**SPECIAL PROVISION
FOR
CRUSHED STONE (TEMPORARY USE)**

Description. This work shall consist of furnishing and placing crushed stone for temporary use to provide and maintain ingress and egress to abutting properties during construction operations. It shall be used for access to intersecting roadways, alley returns, crosswalks and other places required by the Engineer. The crushed stone or gravel shall have a gradation of CA6 or CA10 conforming to Article 1004.01 of the State Standard Specifications. Excess materials recovered from the job site such as bituminous grindings and sub-base granular materials from existing pavements may be utilized at the discretion of the Engineer.

Basis of Payment. This work will be paid for at the Lump Sum for Crushed Stone (Temporary Use). An estimated quantity may be given in the plans for informational use only. The Lump Sum payment shall include furnishing, transporting, placing, maintaining, reusing and the ultimate disposal of the Crushed Stone (Temporary Use) as herein specified or as directed by the Engineer.

**SPECIAL PROVISION
FOR
AGGREGATE SUBGRADE, 12" (305 MM)**

This work shall be done in accordance with the applicable portions of Section 207 of the Standard Specifications. The material shall conform to Article 1004.05 of the Standard Specifications except as follows:

1. Crushed Stone, Crushed Blast Furnace Slag, and Crushed Concrete will be permitted. Steel slag and other expansive materials as determined through testing by the Department will not be permitted.

<u>Sieve Size</u>	<u>Percent Passing</u>
6 inches (150mm)	97±3
4 inches (100mm)	90±10
2 inches (50mm)	45±25
#200 (75 µm)	5±5

2. Gravel, Crushed Gravel, and Pit Run Gravel

<u>Sieve Size</u>	<u>Percent Passing</u>
6 inches (150mm)	97±3
4 inches (100mm)	90±10
2 inches (50mm)	55±25
#4 (4.75mm)	30±20
#200 (75 µm)	5±5

3. Crushed Concrete with Bituminous Materials*

<u>Sieve Size</u>	<u>Percent Passing</u>
6 inches (150mm)	97±3
4 inches (100mm)	90±10
2 inches (50mm)	45±25
#4 (4.75mm)	20±20
#200 (75 µm)	5±5

*The Bituminous material shall be separated and mechanically blended with the crushed concrete so that the bituminous material does not exceed 40% of the final product. The top size of the bituminous material in the final product shall be less than 4 inches (100mm) and shall not contain more than 10.0% steel slag RAP or any material that is considered expansive by the Department.

The Aggregate Subgrade shall be placed in two lifts consisting of a 9 inch (225mm) and variable nominal thickness lower lift and a 3 inch (75 mm) nominal thickness top lift of capping aggregate having a gradation of CA 6. The CA 6 may be blended as follows. The bituminous materials shall be separated and mechanically blended with interlocking feeders with crushed concrete or natural aggregate, in a manner that the bituminous material does not exceed 40% of the final product. This process shall be approved by the Engineer prior to start of production. The top side of the bituminous material in the final products shall be less than 1½ inch (37.5mm) and shall not contain any material considered expansive by the department. Reclaimed Asphalt Pavement (RAP) (having a maximum of 10% steel slag RAP) meeting the requirements of Article 1031 of the Standard Specifications and having 100% passing the 1½ inch (37.5mm) sieve and well graded down through fines may also be used as capping aggregate. IDOT testing of the RAP material will be the determining factor for determining the percent steel slag RAP or Expansive Material. When the contract specifies that an aggregate subbase is to be placed on the Aggregate Subgrade, the 3 inch (75 mm) of capping aggregate will be eliminated. A vibratory roller meeting the requirements of Article 1101.01(g) of the Standard Specifications shall be used to roll each lift of material to obtain the desired keying or interlock and necessary compaction. The Engineer will verify that adequate keying has been obtained.

When a recommended remedial treatment for unstable subgrades is included in the contract, the lower lift of Aggregate Subgrade may be placed simultaneously with the material for Porous Granular Embankment, Subgrade when the total thickness to be placed is 2 feet (600mm) or less.

Method of Measurement.

- 1) Contract Quantities. Contract quantities shall be in accordance with Article 202.07.
- 2) Measured Quantities. Aggregate Subgrade will be measured in place and the area computed in square yards (square meters).

Basis of Payment. This work will be paid for at the contract unit price per square meter (square yard) for Aggregate Subgrade, 12", which price shall include the capping aggregate.

**SPECIAL PROVISION
FOR
P.C. CONCRETE SURFACE FINISH**

All P.C. Concrete Pavement shall have a Type B final finish as specified in Article 420.09 (e)(2) of the Standard Specifications.

**SPECIAL PROVISION
FOR
SCHEDULING AND LANDSCAPING**

All surface course; permanent pavement markings, and landscaping items contained in this contract shall be undertaken and completed in accordance with the seasonal restrictions found in the plans, specifications and special provisions. This work, or portions thereof, shall be undertaken as directed by the Engineer, and a total of twenty (20) working days beyond the contract completion date is allowed in order to complete the improvement.

Temporary butt joints shall be applied as directed by the Engineer including around exposed drainage and utility structures subjected to traffic before the surface course can be completed. In addition, access to utilities shall be maintained.

**SPECIAL PROVISION
FOR
CUTTING HOT-MIX ASPHALT SURFACE**

Description. This work shall consist of the cutting of the hot-mix asphalt surface wherever indicated and to the depth as shown on the plans and as required by the Engineer.

The hot-mix-asphalt surface shall be cut to a straight line and a vertical plane by a method approved by the Engineer.

It shall be the responsibility of the Contractor to determine the thickness of the existing hot-mix-asphalt surface course as well as underlying pavement layers as may be impacted by the required cutting. No additional compensation will be allowed because of variations from the assumed thicknesses or from the thicknesses shown on the plans.

Basis of Payment. This work will be paid for at the Contract Unit Price per Foot for Cutting Hot-Mix Asphalt Surface.

**SPECIAL PROVISION
FOR
TEMPORARY BUTT JOINTS**

Description. Immediately after the removal of the existing hot-mix-asphalt surface, Temporary Butt Joints shall be constructed at the saw cut limits of removal. The Butt Joints are to be constructed with Hot-Mix-Asphalt Surface Course or Leveling Binder and compacted as directed by the Engineer. A coated paper bond breaker shall be placed between the Butt Joint and the existing surface.

The Butt Joints shall be removed and the exposed surfaces primed just prior to the placement of the specified Hot-Mix-Asphalt paving material.

Temporary Butt Joints shall be measured in Feet (Meters).

Basis of Payment. The cost of constructing and removing the Butt Joints shall be paid for at the Contract Unit Price per Foot (Meter) for Temporary Butt Joints.

**SPECIAL PROVISION
FOR
HOT-MIX ASPHALT STABILIZED SUBBASE**

Tolerance in Thickness. For reconstruction or full-depth widening: Any references to base contained in the plans or specifications for this improvement will be interpreted as meaning the combination of pavement materials shown on the plans and typical cross-sections below the Hot-Mix-Asphalt wearing surface and underlying binder stability layer. Typically, the base is composed of Hot-Mix-Asphalt Stabilized Subbase and Binder layer(s).

It is the intent that both the Hot-Mix-Asphalt Stabilized Subbase and Hot-Mix-Asphalt Binder courses that comprise the proposed pavement base be constructed to a thickness equal or greater to the nominal thickness of each layer as shown on the plans. Thickness determination may be made through coring as specified in Article 407.10 of the State Standard Specifications or through other documented evidence including, but not limited to, visual inspection or yield analysis. If thickness less than nominal thickness is determined through pavement coring, visual inspection, analysis of yield or any other appropriate and documented measure, the exact extent and depth of the deficient area shall be fully determined and Hot Mix Asphalt Stabilized Subbase Course, Hot Mix Asphalt Binder or Hot-Mix-Asphalt Surface shall be placed, at the discretion of the Engineer, by the Contractor to bring the deficient area of the base to nominal thickness. In the event that "non-base" Hot-Mix-Asphalt mixes are used for this purpose, the Contractor will be compensated for this additional placement only at the price per Ton of the material layer determined by the processes described above to have deficient thickness.

Basis of Payment. Section 312.33 of the Standard Specifications shall be modified as follows:

Hot-Mix-Asphalt Stabilized Subbase will be paid for per Ton.

**SPECIAL PROVISION
FOR
TREATMENT OF CRACKS**

Prior to placing leveling binder, binder course or surface course mixtures, as specified, on milled or unmilled surfaces to be resurfaced, all cracks shall be pneumatically cleaned and free of dirt, water, vegetation and loose material and then sealed to the satisfaction of the Engineer.

Small cracks less than 1/2 inch (13mm) width shall be filled in accordance with Section 451. This preparation and treatment of the existing milled or unmilled pavement, as called for in the plans, shall be paid for at the contract unit price per pound (kilogram) for CRACK FILLING. Crack routing will not be required, and the Contractor will not be paid for this item.

Cracks 1/2 inch (13mm) or greater in width shall be primed, filled with Mixture for Cracks, Joints and Flangeways conforming to that specified in Article 406.05 and compacted by use of a vibratory roller. Cracks that remain in a heaved condition shall be resettled by use of vibratory roller. If the heaved condition cannot be settled, it shall be milled flat to the satisfaction of the Engineer. The Engineer may waive the vibratory roller equipment if the Contractor can obtain satisfactory results with other rollers designated in Article 1101.01. This preparation and treatment of the existing milled or unmilled pavement, as called for in the plans, shall be paid for at the contract unit price per ton for MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS.

**SPECIAL PROVISION
FOR
TEMPORARY BY-PASS PAVEMENT**

Description. This work shall consist of furnishing and placing a Temporary By-Pass Pavement providing sufficient pavement width to accommodate routing of traffic during construction. This additional by-pass pavement, plus that portion of the existing pavement to be used for traffic during construction shall be surfaced with 1-1/2 in. of Leveling Binder (Machine Method) before the By-Pass pavement becomes operational. At the direction of the Engineer, Bituminous Materials (Prime Coat) and Aggregate (Prime Coat) may be applied to the by-pass pavement before resurfacing. Items have been included in the Summary of Quantities for this work. Under no circumstances should Polymerized Leveling Binder be used for this purpose. Leveling Binder (Machine Method), N50 or an approved alternate material shall be used. In addition, the Engineer retains the discretion to limit the resurfacing to only the by-pass pavement as circumstances dictate such as when temporary by-pass pavement is placed adjacent to a newly constructed Hot-Mix-Asphalt surface.

At the option of the contractor, the Temporary By-Pass Pavement Base Course shall be constructed with one of the following pavement compositions and its associated specifications:

- 1) Hot Mix Asphalt Stabilized Subbase, 9 in.
- 2) P.C. Concrete Base Course, 6 in.

Mix requirements as specified in the plans shall be used for the Hot Mix Asphalt Stabilized Subbase and Leveling Binder with the exception that the percentage of allowable RAP may be increased to a maximum of 50% for the Hot Mix Asphalt Stabilized Subbase material used for temporary by-pass pavement.

On Temporary By-pass roads or pavement, Temporary Raised Reflective Markers shall be used throughout the construction area and approaches and spaced at forty (40) foot intervals. Their placement and replacement, as needed, shall be considered incidental to the cost of Traffic Protection.

Basis of Payment. This work shall be paid for at the contract unit price per Square Yard for Temporary By-Pass Pavement, which shall include payment in full for the necessary excavation, grading and maintenance of the by-pass road while in operation, including that portion of the existing roadway serving as by-pass pavement and the subsequent removal of the new temporary by-pass pavement; per Ton for Leveling Binder (Machine Method); per Gallon for Bituminous Materials (Prime Coat); and per Ton for Aggregate (Prime Coat).

**SPECIAL PROVISION
FOR
TEMPORARY SOIL RETENTION SYSTEM**

Description. This work shall consist of designing, furnishing, installing, adjusting for stage construction when required and subsequent removal of the temporary soil retention system according to the dimensions and details shown on the plans and in the approved design submittal.

General. The temporary soil retention system shall be designed by the Contractor as a minimum, to retain the exposed surface area specified in the plans or as directed by the Engineer.

The design calculations and details for the temporary soil retention system proposed by the Contractor shall be submitted to the Engineer for approval. The calculations shall be prepared and sealed by an Illinois Licensed Structural Engineer. This approval will not relieve the Contractor of responsibility for the safety of the excavation. Approval shall be contingent upon acceptance by all involved utilities and/or railroads.

Construction. The Contractor shall verify locations of all underground utilities before installing any of the soil retention system components or commencing any excavation. Any disturbance or damage to existing structures, utilities or other property, caused by the Contractor's operation, shall be repaired by the Contractor in a manner satisfactory to the Engineer at no additional cost to the Department. The soil retention system shall be installed according to the Contractor's approved design, or as directed by the Engineer, prior to commencing any related excavation. If unable to install the temporary soil retention system as specified in the approved design, the Contractor shall have the adequacy of the design re-evaluated. Any reevaluation shall be submitted to the Engineer for approval prior to commencing the excavation adjacent to the area in question. The Contractor shall not excavate below the maximum excavation line shown in the approved design without the prior permission of the Engineer. The temporary soil retention system shall remain in place until the Engineer determines it is no longer required.

The temporary soil retention system shall be removed and disposed of by the Contractor when directed by the Engineer. When allowed, the Contractor may elect to cut off a portion of the temporary soil retention system leaving the remainder in place. The remaining temporary soil retention system shall be removed to a depth which will not interfere with the new construction, and as a minimum, to a depth of 12 in. (300 mm) below the finished grade, or as directed by the Engineer. Removed system components shall become the property of the Contractor.

When an obstruction is encountered, the Contractor shall notify the Engineer and upon concurrence of the Engineer, the Contractor shall begin working to break up, push aside, or remove the obstruction. An obstruction shall be defined as any object (such as but not limited to, boulders, logs, old foundations etc.) where its presence was not obvious or specifically noted on the plans prior to bidding, that cannot be driven or installed through or around, with normal driving or installation procedures, but requires additional excavation or other procedures to remove or miss the obstruction.

Method of Measurement. The temporary soil retention system furnished and installed according to the Contractor's approved design or as directed by the Engineer will be measured for payment in place, in square feet (square meters). The area measured shall be the vertical exposed surface area envelope of

the excavation supported by temporary soil retention system. Portions of the temporary soil retention system left in place for reuse in later stages of construction shall only be measured for payment once.

Any temporary soil retention system installed beyond those dimensions shown on the contract plans or the approved contractor's design without the written permission of the Engineer, shall not be measured for payment but shall be done at the contractor's own expense.

Basis of Payment. This work will be paid for at the contract unit price per square foot (square meter) for TEMPORARY SOIL RETENTION SYSTEM.

Payment for any excavation, related solely to the installation and removal of the temporary soil retention system and/or its components, shall not be paid for separately but shall be included in the unit bid price for TEMPORARY SOIL RETENTION SYSTEM. Other excavation, performed in conjunction with this work, will not be included in this item but shall be paid for as specified elsewhere in this contract.

Obstruction mitigation shall be paid for according to Article 109.04 of the Standard Specifications.

**SPECIAL PROVISION
FOR
FINE OR COARSE AGGREGATE EMBANKMENT**

Description: This item shall consist of furnishing, placing and compacting fine or coarse aggregate material, in accordance with this special provision and applicable requirements of Section 205 of the Standard Specifications, to the lines, grades and cross sections as shown on the plans or established by the Engineer.

For the purpose of this special provision, embankment may be above or below the original ground line.

Materials: Materials shall meet the applicable requirements of Sections 1003 and 1004 of the Standard Specifications and to the following gradations:

Fine Aggregate.....FA 6

Coarse Aggregate.....CA 17

Construction Methods: The material shall be placed in layers not exceeding 150 mm (6 inches) in thickness and compacted in accordance with Article 205.06 of the Standard Specifications.

Method of Measurement: Fine or coarse aggregate embankment will be measured for payment in place and the volume computed in cubic meters (cubic yards).

Basis of Payment: This work will be paid for at the contract unit price per cubic meter (cubic yard) for **FINE OR COARSE AGGREGATE EMBANKMENT** measured in place, which price shall be payment in full for furnishing, placing and compacting all materials, required to complete the work.

**SPECIAL PROVISION
FOR
TEMPORARY SHEET PILING**

Description. This work shall consist of furnishing, driving, adjusting for stage construction when required and subsequent removal of the sheet piling according to the dimensions and details shown on the plans and according to the applicable portions of Section 512 of the Standard Specifications.

This work shall also include furnishing, installing and subsequent removal of all miscellaneous steel shapes, plates and connecting hardware when required to attach the sheeting to an existing substructure unit and/or to facilitate stage construction.

General. The Contractor may propose other means of supporting the sides of the excavation provided they are done so at no extra cost to the department. If the Contractor elects to vary from the design requirements shown on the plans, the revised design calculations and details shall be submitted to the Engineer for approval. The calculations shall be prepared and sealed by an Illinois Licensed Structural Engineer. This approval will not relieve the Contractor of responsibility for the safety of the excavation. Approval shall be contingent upon acceptance by all involved utilities and/or railroads.

Material. The sheet piling shall be made of steel and may be new or used material, at the option of the Contractor. The sheet piling shall have a minimum section modulus as shown on the plans or in the approved Contractor's alternate design. The sheeting shall have a minimum yield strength of 38.5 ksi (265 MPa) unless otherwise specified. The sheeting, used by the Contractor, shall be identifiable and in good condition free of bends and other structural defects. The Contractor shall furnish a copy of the published sheet pile section properties to the Engineer for verification purposes. The Engineer's approval will be required prior to driving any sheeting. All driven sheeting not approved by the Engineer shall be removed at the Contractor's expense.

Construction. The Contractor shall verify locations of all underground utilities before driving any sheet piling. Any disturbance or damage to existing structures, utilities or other property, caused by the Contractor's operation, shall be repaired by the Contractor in a manner satisfactory to the Engineer at no additional cost to the Department. The Contractor shall be responsible for determining the appropriate equipment necessary to drive the sheeting to the tip elevation(s) specified on the plans or according to the Contractor's approved design. The sheet piling shall be driven, as a minimum, to the tip elevation(s) specified, prior to commencing any related excavation. If unable to reach the minimum tip elevation, the adequacy of the sheet piling design will require re-evaluation by the Department prior to allowing excavation adjacent to the sheet piling in question. The Contractor shall not excavate below the maximum excavation line shown on the plans without the prior permission of the Engineer. The sheet piling shall remain in place until the Engineer determines it is no longer required.

The sheet piling shall be removed and disposed of by the Contractor when directed by the Engineer. When allowed, the Contractor may elect to cut off a portion of the sheet piling leaving the remainder in place. The remaining sheet piling shall be a minimum of 12 in. (300 mm) below the finished grade or as directed by the Engineer. Removed sheet piling shall become the property of the Contractor.

When an obstruction is encountered, the Contractor shall notify the Engineer and upon concurrence of the Engineer, the Contractor shall begin working to break up, push aside, or remove the obstruction. An

obstruction shall be defined as any object (such as but not limited to, boulders, logs, old foundations etc.) where it's presence was not obvious or specifically noted on the plans prior to bidding, that cannot be driven through or around with normal driving procedures, but requires additional excavation or other procedures to remove or miss the obstruction.

Method of Measurement. The temporary sheet piling will be measured for payment in place in square feet (square meter). Any temporary sheet piling cut off, left in place, or driven to dimensions other than those shown on the contract plans without the written permission of the Engineer, shall not be measured for payment but shall be done at the contractor's expense.

If the Contractor is unable to drive the sheeting to the specified tip elevation(s) and can demonstrate that any further effort to drive it would only result in damaging the sheeting, then the Contractor shall be paid based on the plan quantity of temporary sheeting involved. However, no additional payment will be made for any walers, bracing, or other supplement to the temporary sheet piling, which may be required as a result of the re-evaluation in order to insure the original design intent was met.

Basis of Payment. This work will be paid for at the contract unit price per square foot (square meter) for TEMPORARY SHEET PILING.

Payment for any excavation performed in conjunction with this work will not be included in this item but shall be paid for as specified elsewhere in this contract.

Obstruction mitigation shall be paid for according to Article 109.04 of the Standard Specifications.

**SPECIAL PROVISION
FOR
JUNCTION CHAMBER**

Description. This work shall consist of constructing a cast-in-place concrete junction chamber, with frames and grates or special gratings or lid, steps and riser when required, as shown on the plans, as directed by the Engineer and as herein specified.

Construction Requirements. The junction chamber shall be constructed of Class SI Concrete in accordance with the applicable requirements of Sections 503, 602 and 1020 of the Standard Specifications. Reinforcement bars shall conform to the requirements of AASHTO M-31M (M-31), M-53M (M-53) or M-41M (M-42), Grade 60 and to the applicable requirements of Section 508 and Article 1006.10 of the Standard Specifications.

Excavation and backfilling shall be according to the applicable requirements of Section 502 of the Standard Specifications. Unless otherwise shown on the plans, a layer of porous granular material of at least 150 mm (6 inches) in thickness shall be placed below the elevation of the bottom of the chamber. The porous granular material shall be gradation CA 18 or as specified on the plans, and shall be placed to extend at least 600 mm (2 ft.) beyond all sides of the chamber. No concrete shall be placed until after the Engineer has approved the depth of the excavation and the character and condition of the foundation material. Backfill material, conforming to the Special Provision for Fine or Coarse Aggregate Embankment, shall be placed at the space between the sides of the excavation and the outer surfaces of the junction chamber, as shown on the plans. All backfilling material shall meet the approval of the Engineer.

Steps, when required, shall be of cast gray iron conforming to Article 1006.14 of the Standard Specifications and shall be embedded into the wall a minimum of 100 mm (4 inches) but shall not be extended on the outside of the structure. Steps of other design and material that conform to the minimum requirements, as shown on the plans, may be used when approved by the Engineer.

Unless otherwise shown or specified on the plans, frames and grates or special gratings, or lid, shall conform to the applicable requirements of Section 604 and Articles 1006.14 and 1006.15 of the Standard Specifications. Castings shall be set accurately to the finished elevation or grade, as shown on the plans or as established by the Engineer, so that no subsequent adjustment will be necessary.

Cleaning of silt and debris in the junction chamber shall be done according to Article 602.15 of the Standard Specifications.

Basis of Payment. This work will be paid for at the contract unit price for **JUNCTION CHAMBER**, of the junction chamber number or station location specified, complete in place as shown on the plans, which price shall include all labor and materials, including frames, grates, special gratings, lids, steps, and risers, concrete, reinforcement bars, porous granular bedding material, fine or coarse aggregate embankment, and all excavation and backfilling, except excavation in rock.

**SPECIAL PROVISION
FOR
CONNECTING EXISTING FIELD DRAIN TILE**

Description. At various locations within the limits of this improvement, the Contractor may encounter field drain tile either discharging storm water into the existing ditches or intercepted by construction excavation. The Contractor will be required to connect all field drain tile except those discharging sanitary sewerage.

Materials. All connections shall be made using 8 inch or 10 inch storm sewers of the type and material called for on the plans and included in the Summary of Quantities.

Construction Methods. Where practical and at the discretion of the Engineer all connections of the field drain tiles should be made into the closest drainage structure. Where this is impractical, connections may be made directly into the storm sewer.

Method of Measurement. The Storm Sewers, Type 1, 8 inch or 10 inch shall be measured for payment in feet in place.

Method of Payment. This work will be paid for at the contract unit price per foot for Storm Sewers, Type 1 (CSP Class 2) 8 IN. or Storm Sewers, Type 1 (CSP Class 3) 10 IN., measured as specified above, which price shall include the cost of all equipment, materials and labor necessary to connect the field drain tile.

**SPECIAL PROVISION
FOR
PLUGGING EXISTING DRAINS AND SEWERS**

Description: This work involves the plugging of all existing domestic and industrial drains and street sewers that are encountered within the construction limits of this improvement in accordance with these special provisions.

Construction Methods: All existing domestic and industrial drains and street sewers shall be removed to a point where the depth of the top of the drain or sewer is a minimum of three feet below finished grade. The remaining portion shall then be plugged with Class SI Concrete for a distance of two (2) feet from the aforementioned point. Care shall be taken to provide a water tight concrete plug without voids.

Method of Measurement: Where known, drains and sewers to be plugged are shown on the plans. The amount of this work shown in the quantities is an estimate considered reasonably adequate for this project, however, it shall be the responsibility of the Contractor to investigate and determine where all such drains and sewers exist and to perform the required work as provided for herein.

The length of drains and sewers which are required for removal under this item of work, including the excavation pertinent thereto, shall be considered only from the finished grade beyond the limits of Earth Excavation.

The pay quantity of drains and sewers to be plugged shall be determined by the Engineer at the time of construction.

Basis of Payment: This work shall be paid for at the contract unit prices each for Plugging Existing Drains and Sewers (12 In. or Less) and Plugging Existing Drains and Sewers (Over 12 In.), which prices shall include the cost of all excavation, removal of existing drains and sewers, backfilling, disposal of all waste materials, and the furnishing and placing of the Class SI Concrete together with all labor, tools and equipment necessary to complete the work in accordance with the plans and these special provisions.

**SPECIAL PROVISION
FOR
BLOCKING EXISTING DRAINS AND SEWERS**

Description. This item shall consist of the blocking of abandoned sewer lines at existing manholes and/or catch basins, where called for on the plans.

Construction Methods. Where called for on the plans, sewers shall be blocked at the manhole or catch basin with a concrete plug of Class SI Concrete, tamped to form a dense, waterproof block, troweled smooth to conform to the inside contour of the manhole or catch basin. For sewers 18 inches in diameter or less, the concrete block shall be 12 inches thick and for sewers over 18 inches in diameter the concrete block shall be 24 inches thick.

Basis of Payment. This work will be paid for at the contract unit prices each for Blocking Existing Drains and Sewers (18 in. or less) and Blocking Existing Drains and Sewers (Over 18 in.) which price shall include all labor and materials to complete the work in accordance with the plans and these special provisions.

**SPECIAL PROVISION
FOR
MANHOLES, TYPE A, WITH RESTRICTOR PLATE AND SHEAR GATES**

Description. This work shall consist of constructing restrictor plate manholes at locations shown on the plans or as directed by the Engineer, in accordance with Section 602 of the Standard Specifications.

The manholes shall be based on Type A manhole. Frames and lids shall be as shown in the Standard for Restrictor Frame and Lid – Type 1 and shall meet the requirements of Section 602 of the Standard Specifications. Two Neenah Sheer Gate Type R-5005 Series or approved equal shall be installed as shown on the plans to control Spring and Summer Water Levels.

Basis of Payment. This work will be paid for at the contract unit price per each for Manholes, Type A, 6 Ft. Dia. with Restrictor Plate and Shear Gates, which price will be payment in full for all work and materials including restrictor plate, shear gates and accessories, frame and lid, excavation, backfill, and labor.

**SPECIAL PROVISION
FOR
PIPE UNDERDRAINS**

Description. This work shall be according to Section 601 of the Standard Specifications and Standard 601001, except CA 16 shall be used in lieu of FA 1 or FA 2 for trench backfill.

The CA 16 shall be according to Article 1004.05 and Article 1004.01 of the Standard Specifications, except in the table, Coarse Aggregate Gradation, the percent passing the No. 16 (1.18 mm) sieve shall be $4 \pm 4\%$.

The trench shall be wrapped using a fabric envelope meeting the requirements of Article 1080.05 of the Standard Specifications. The fabric encompassing the trench shall be in addition to the fabric required to be placed in direct contact with the pipe.



June 12, 2009

AECOM
30 E. Wacker Drive Suite 600
Chicago, Illinois 60601

Attention: Mr. Tim Whalen

Job No. 0344

Re: Wentworth Avenue Road Reconstruction from Glenwood-Lansing Road to Ridge Road
Section No. 95-W6606-01-FP
Lansing, Illinois -- Cook County

Dear Mr. Whalen:

The following report presents the results of the geotechnical investigation performed for the proposed roadway improvements. This report is based upon information regarding the proposed improvement and subsurface information based on a peer review of a geotechnical reported prepared by Mirza Engineering, Inc. dated July 22, 1998 for the project which included 23 soil survey borings and two structure borings for a culvert. Copies of a location diagram, laboratory test results and the soil boring logs are included with this report.

The project involves the widening and reconstruction of the roadway from Glenwood-Lansing Road to Ridge Road in Lansing, Illinois. The project is located in Cook County with the following range/township information: T35N R15E, Section 32 and T36N R15E Section 5. The project alignment consists of approximately 1-1/2 miles of pavement reconstruction. The existing two-lane road, which is presently 24 feet wide, will be widened to 33 feet. The area surrounding the project site is currently used mainly residential properties along the west side of Wentworth Avenue, with mixed residential and commercial/retail businesses present along the east side of Wentworth.

Pavement coring locations (stations and offsets) were determined by Geo Services, Inc. field personnel without the aid of sophisticated surveying techniques and as such are considered to be approximate. Elevations of the borings are shown on the boring logs, and the boring elevations were estimated from plan and profile information provided by AECOM to our office.

GEOLOGY

Geologically, the project site lies within an area of glacial lake bottom materials of Wisconsinan age. These predominately cohesive lacustrine soils were deposited within limits of ancient glacial Lake Chicago and are usually characterized as exhibiting relatively moderate shear strengths and moisture contents. However, at some locations the uppermost natural soils were exposed during periods of fluctuation of ancient glacial Lake Chicago and, through desiccation, exhibit higher shear strengths and lower moisture contents than would normally be anticipated for lacustrine soil deposits.

The cohesive soils are occasionally overlain by a mantle of fine sand or silt, which were deposited as dunes and/or beach ridges during the various stages of Lake Chicago. Deeper deposits of overconsolidated cohesive glacial till, normally referred to as Hardpan in the Chicago area, may be expected above Dolomitic Limestone bedrock.

CLIMATIC CONDITIONS

The climate within the area of this project fall within the temperate humid, continental range and is characterized by cold conditions in the winter and warm conditions in the summer. The winter average daily temperature is 25° F. The summer average temperature is 71° F and the summer average daily maximum temperature is 81° F. The total annual precipitation for this area is 35.8" with approximately 63% falling between April and September. The average seasonal snowfall for this area is 38.7".

EXISTING PAVEMENT CONDITIONS

The existing pavement consists of 3.5 to 12 inches of asphalt pavement over 7 to 20 inches sand or crushed limestone (CA-6) base course based on the results of the eight (8) pavement cores performed in October 2003 for the project. A visual inspection of the pavement indicated that the pavement is generally considered in fair condition.

RECOMMENDATIONS

We have performed a peer review of the initial pavement recommendations provided by Mirza Engineering in a report dated July 22, 1998 for this project. We are in general agreement with the recommendations for sewer and roadway improvements. Based on the results of our pavement cores performed for this project, it appears that the black topsoil subgrade encountered during the borings extends over a great majority of the southern half of the project. We concur with the Mirza recommendations to allow this material to remain in-place contingent on field stability observations during construction.

The clay, silty clay and silty clay loam soils which form the subgrade for the majority of the alignment that does not have much fill have a Subgrade Support Rating (SSR) of Poor or Granular. Because the southern portion of the project subgrade will to a large extent consist of marginal black clay or topsoil, we recommend a preliminary Illinois Bearing Ratio (IBR) of 2.0. Also, we recommend a preliminary shrinkage factor of 15% be used for fill volume calculations. If the borrow material is sand, we recommend a shrinkage factor of 10% be used for fill calculations.

The actual need for the recommended treatment should be determined in the field at the time of construction based on guidelines presented in the Illinois Department of Transportation Geotechnical Manual. Evaluation of soils in the field should be performed based on the guidelines presented in the IDOT Subgrade Stability Manual.

Fill materials placed at the site should be compacted to a minimum 95% of AASHTO T-99 (ASTM D-698) density. Undercutting should be performed in such a manner as to minimize

disturbance to the undercut subgrade. Heavy equipment traffic directly on the subgrade should be minimized. The actual extent of any undercut should be determined in the field and at the time of construction by the geotechnical engineer.

Care should be taken in the design and construction of paved areas to provide rapid drainage of surface water and to develop surface drainage patterns that will divert water away from the pavement edges. When water is allowed to pond on or adjacent to the pavement, the subgrade may become saturated and accelerate pavement deterioration.

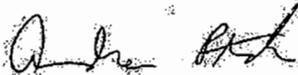
Construction of the proposed roadway improvements should be performed in accordance with the Illinois Department of Transportation (IDOT) "Standard Specifications for Road and Bridge Construction", adopted January 1, 2002. In particular, refer to Section 202, "Earth and Rock Excavation", Section 205, "Embankment" and Section 301, "Subgrade Preparation".

The analysis and recommendations presented in this report are based upon the data obtained from the soil borings performed at the indicated locations and from any other information discussed in this report. This report does not reflect any variations which may occur between borings or across the site. In addition, the soil samples cannot be relied on to accurately reflect the strata variations that usually exist between sampling locations. The nature and extent of such variations may not become evident until construction. This report has been prepared for the exclusive use of our client for specific application to the project discussed and has been prepared in accordance with generally accepted geotechnical engineering practices. No other warranties, either expressed or implied, are intended or made.

If there are any questions with regard to the information submitted in this report, or if we can be of further assistance to you in any way, please do not hesitate to contact us.

Very truly yours,

GEO SERVICES, INC.



Andrew J. Ptak, P.E.
Office Manager



Dixon O'Brien, P.E.
Vice President

enc.

Appendix A – Pavement Core Summary and Photo Log

APPENDIX A

PAVEMENT CORE SUMMARY AND PHOTO LOG

PAVEMENT CORING LOG

JOB No. 0344



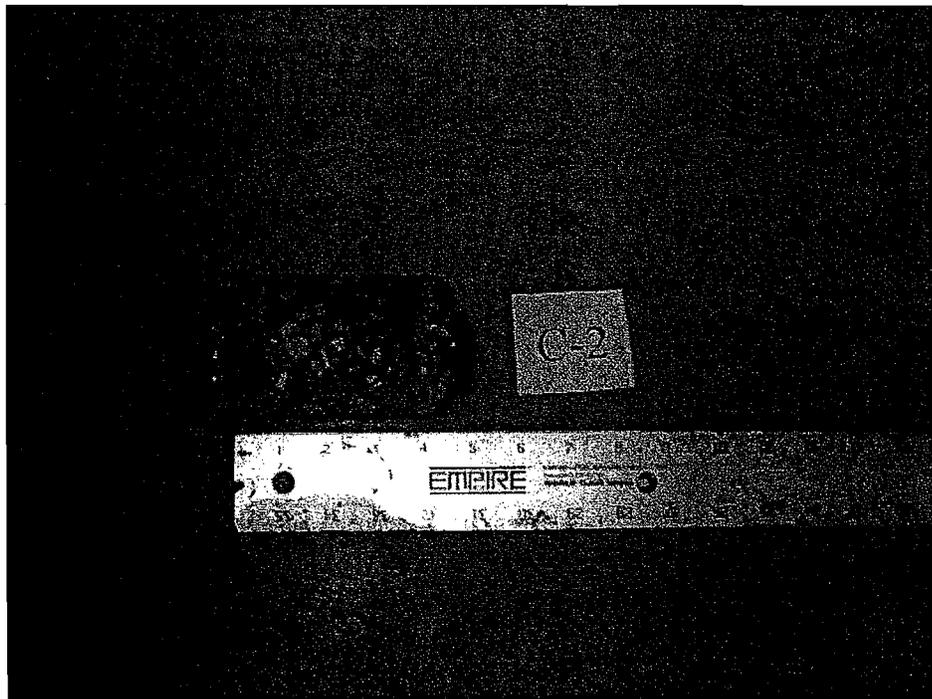
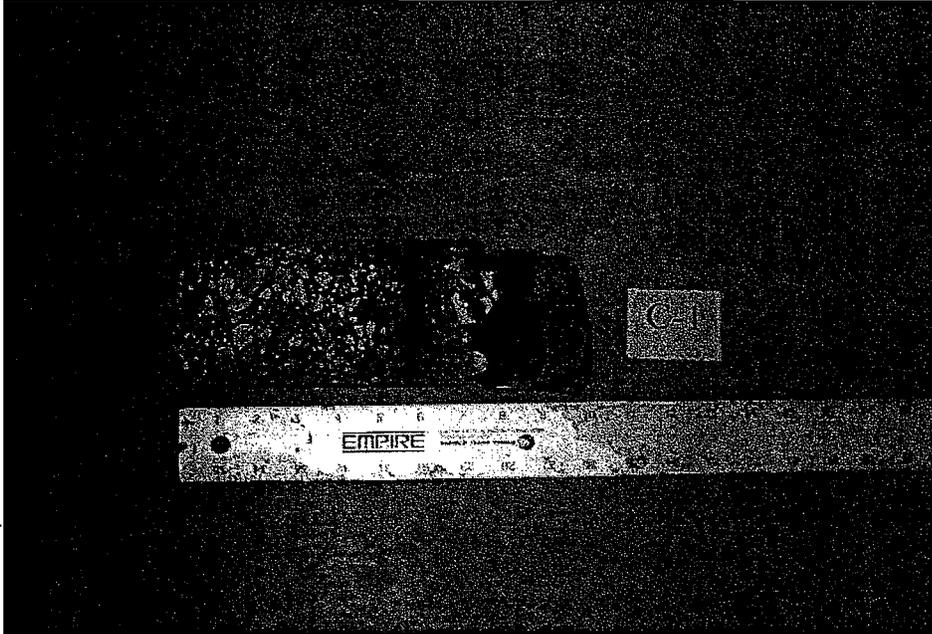
SHEET 1 OF 1

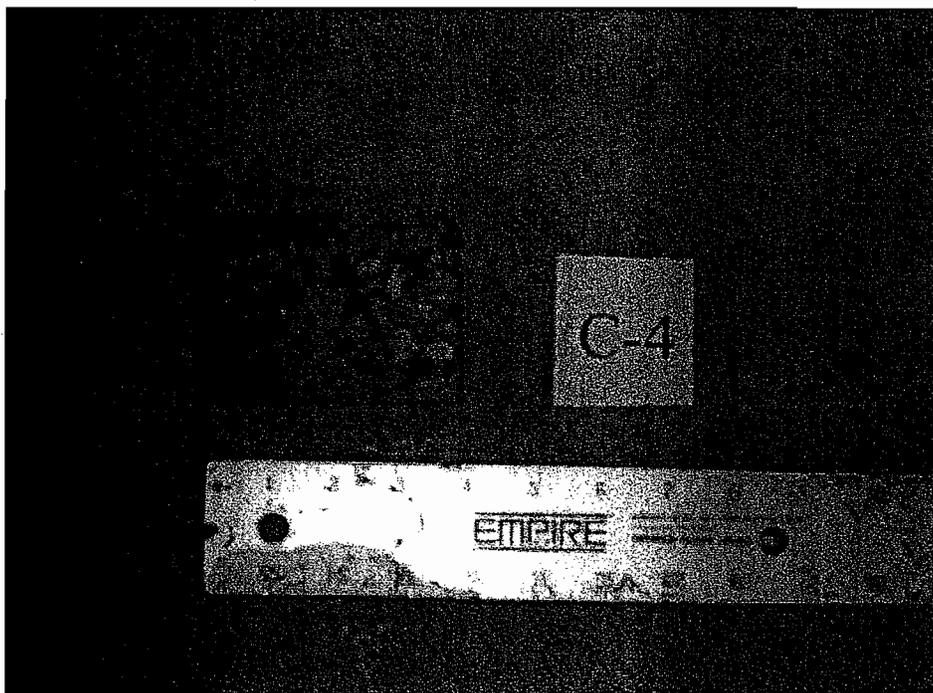
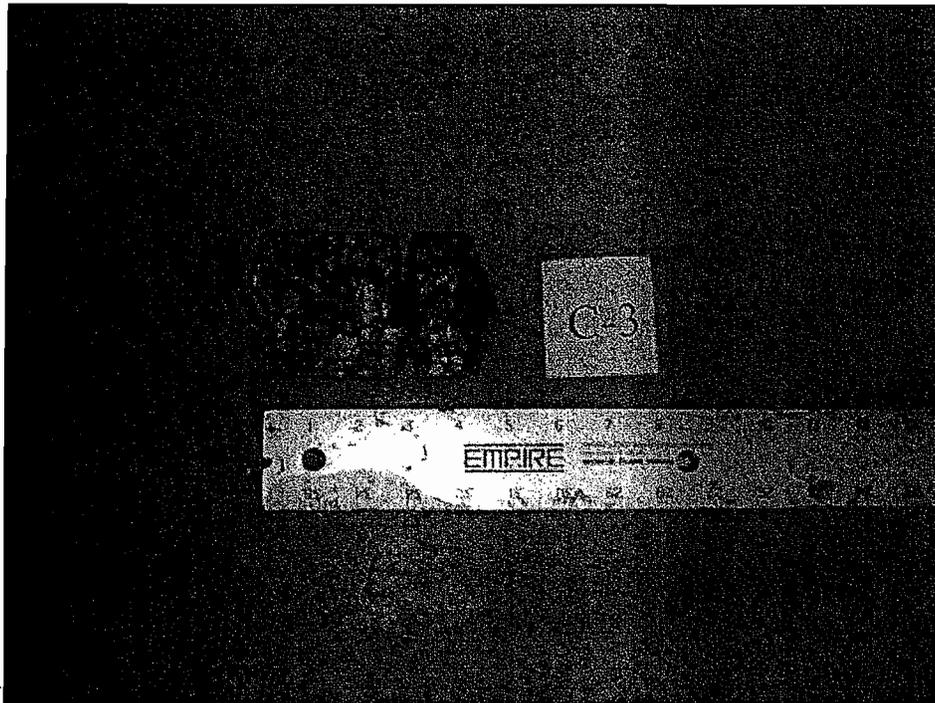
Wentworth Avenue Roadway Improvements, Lansing IL. CCDHD

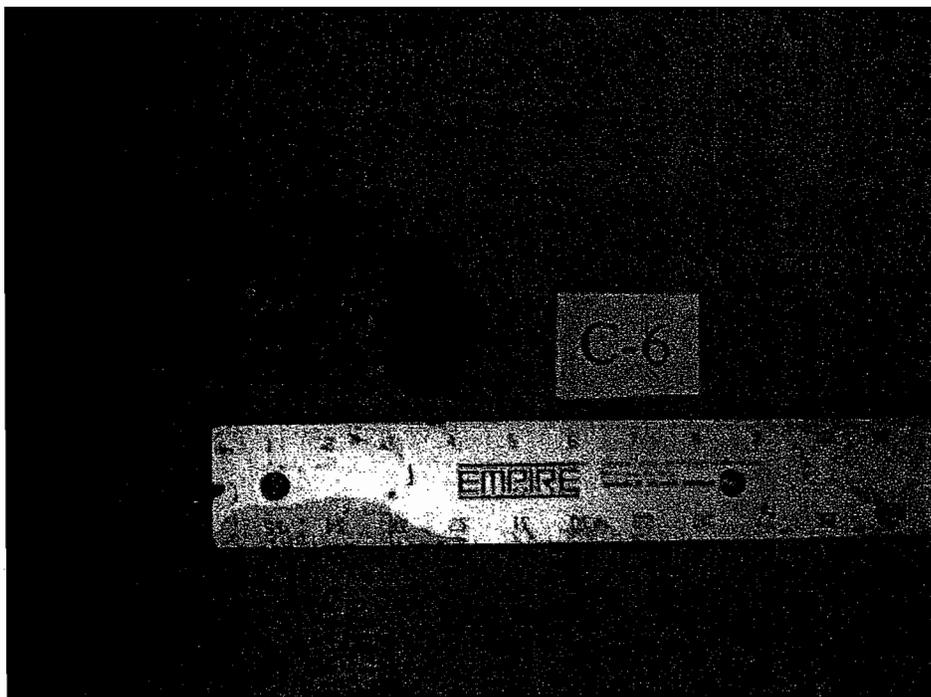
GSI Project 0344

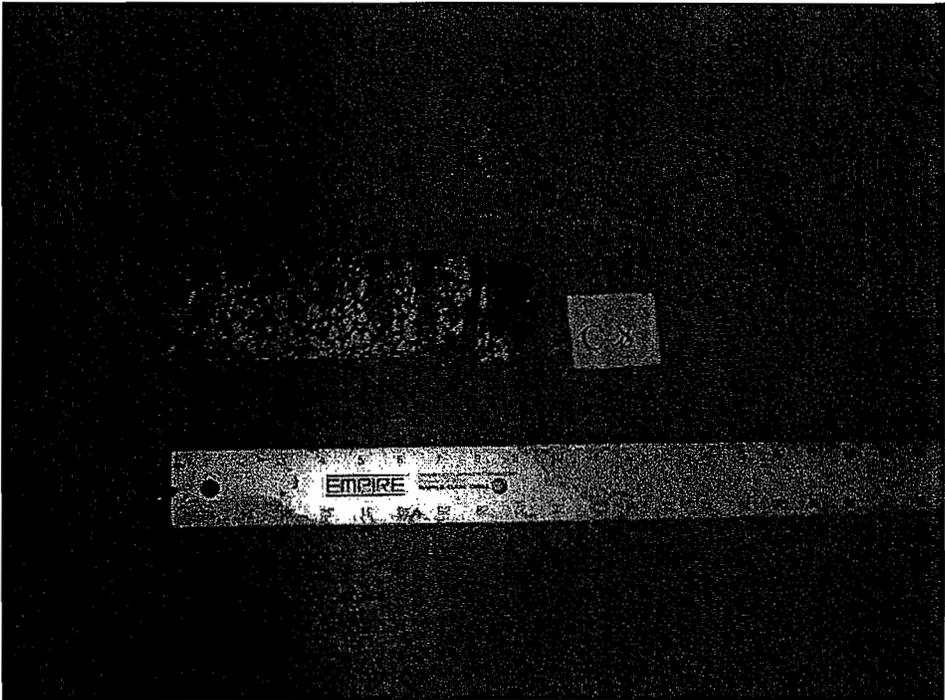
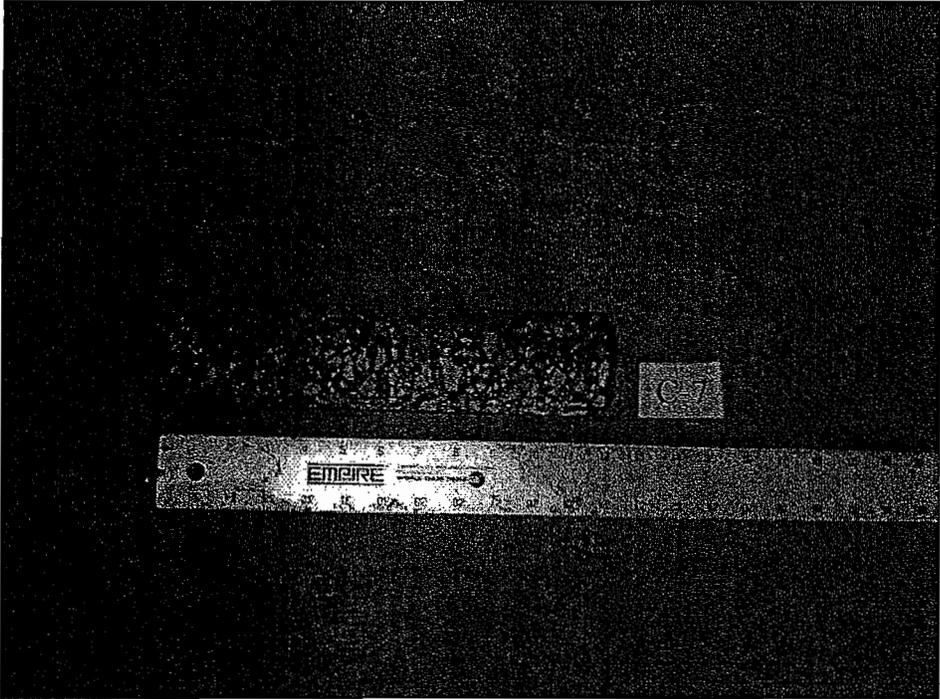
DATE 23-Oct-03 DRILLER Tom HELPER Rick TECHNICIAN Ray
 RIG No. Geo Probe WEATHER Sunny Low 45 High 70

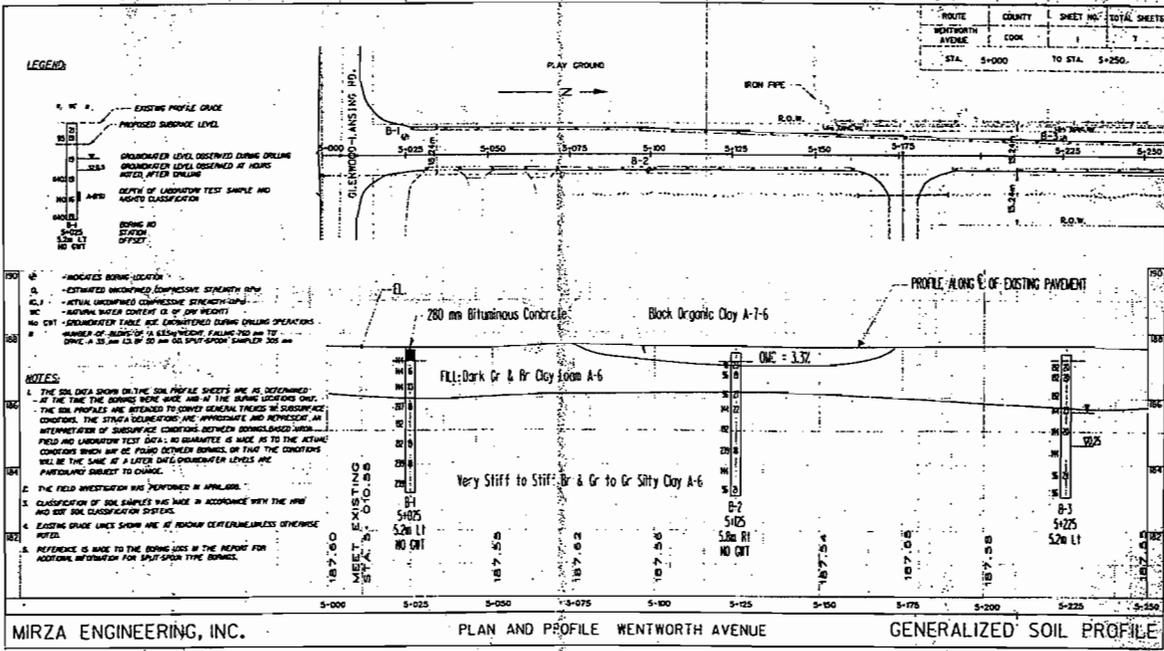
CORE No. (Station/Offset)	Thickness (inch)	Material Description
C-1 (76' S. of CL of 192nd Pl., 6' L)	8.5	AC
	9	Base (Brown sand, trace gravel)
		Subgrade: Black Topsoil (Mc=17%)
C-2 (26' N. of CL of Pete Wiers Ln., 6' R)	5	AC
	16	Base (Brown sand, trace gravel)
		Subgrade: Black Topsoil (Mc=24%)
C-3 (580' S. of CL of S. Manor Dr., 6' L)	4.5	AC
	20	Base (Brown sand, trace gravel)
		Subgrade: Black Topsoil (Mc=15%)
C-4 (248' S. of CL of 188th St., 6' R)	4.25	AC
	17	Base (Brown sand, trace gravel)
		Subgrade: Black Topsoil (Mc=18%)
C-5 (106' N. of CL of 186th St., 6' L)	4.25	AC
	18	Base (Brown sand, trace gravel)
		Subgrade: Black Fine Sand (Mc=15%)
C-6 (80' N. of CL of Legion St., 6' R)	3.5	AC
	20	Base (Brown sand, trace gravel)
		Subgrade: Brown Fine Sand (Mc=13%)
C-7 (159' S. of CL of Myrtle Ct., 6' L)	12	AC
	7	Base (CA-6 crushed limestone)
		Subgrade: Brown Fine Sand (Mc=6%)
C-8 (66' S. of CL of Central Ave., 6' R)	8.75	AC
	11	Base (CA-6 crushed limestone)
		Subgrade: Brown Fine Sand (Mc=4%)









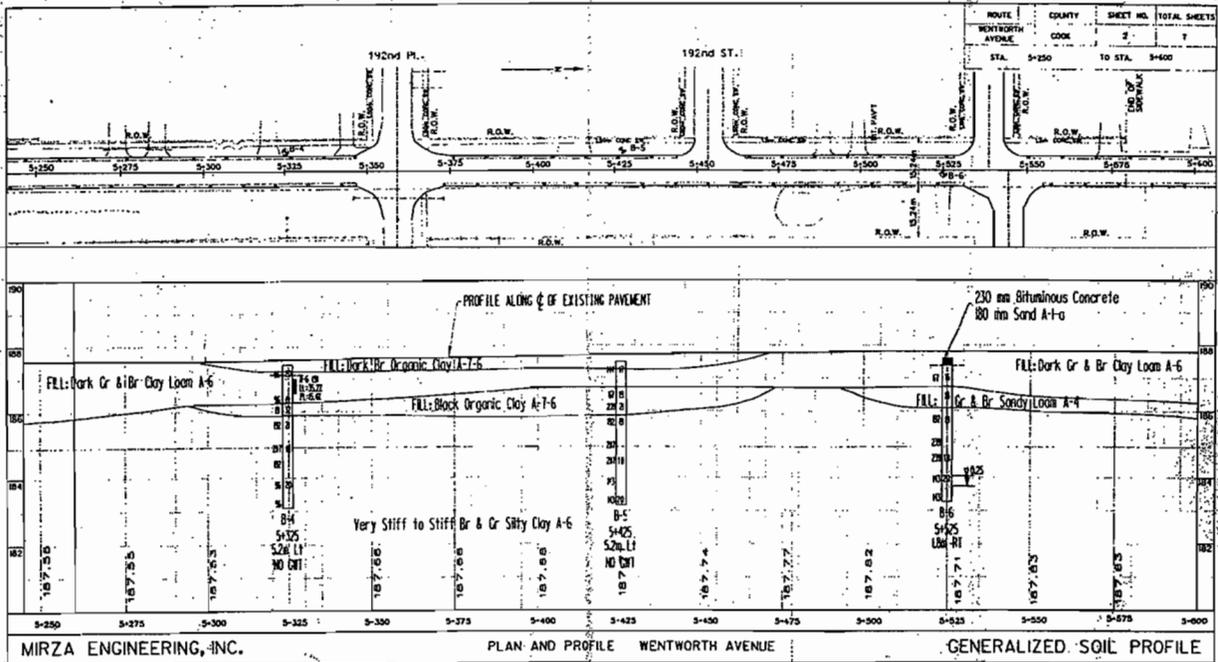


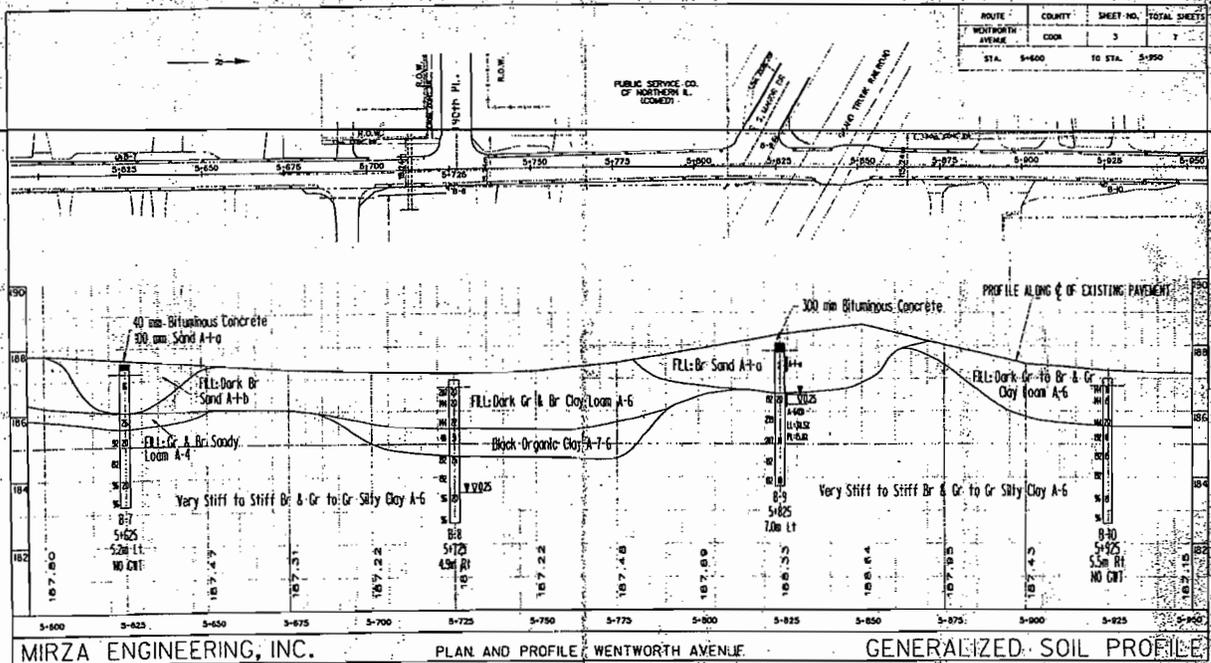
MIRZA ENGINEERING, INC.

PLAN AND PROFILE WENTWORTH AVENUE

GENERALIZED SOIL PROFILE



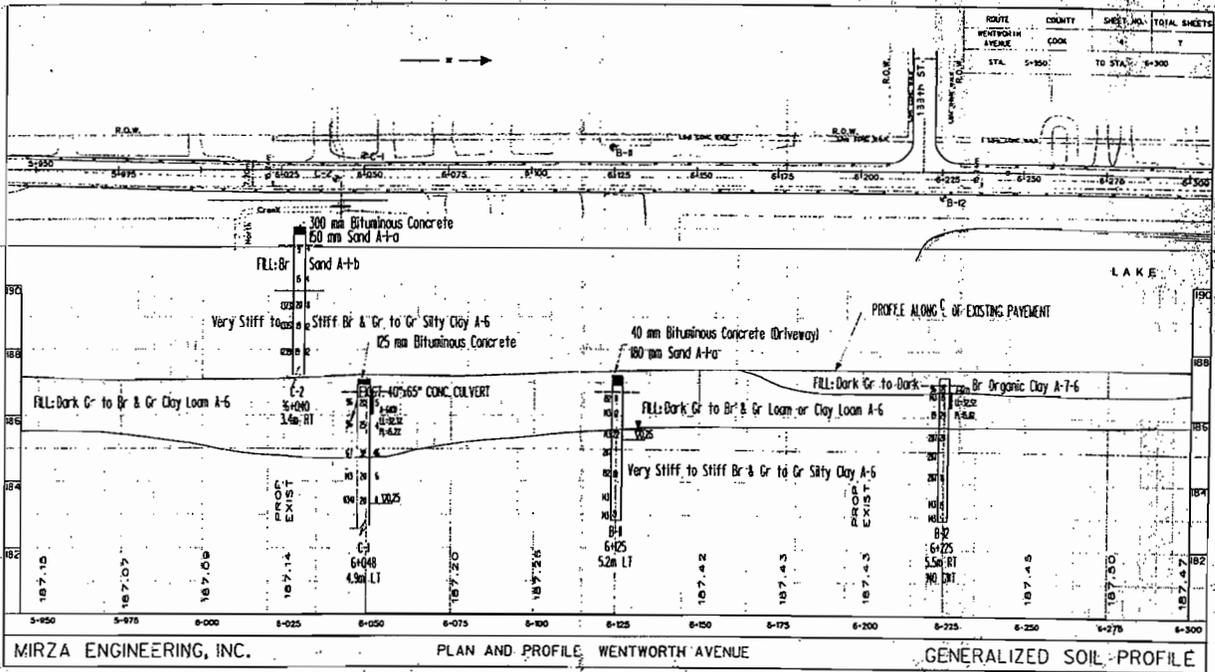


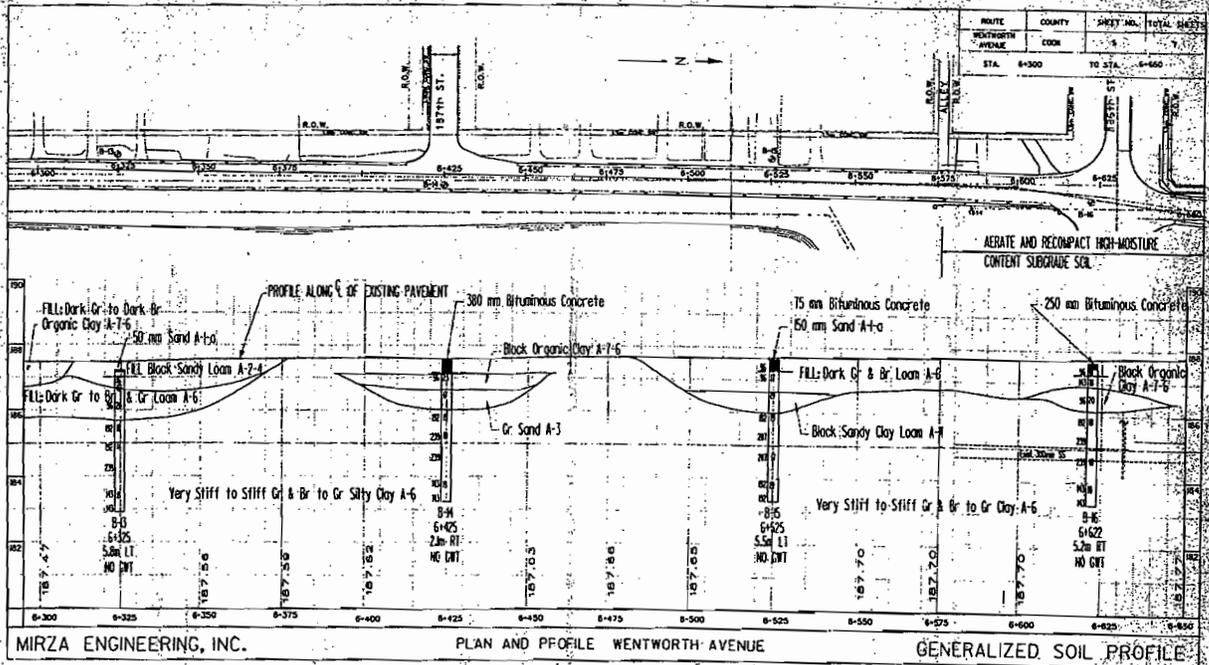


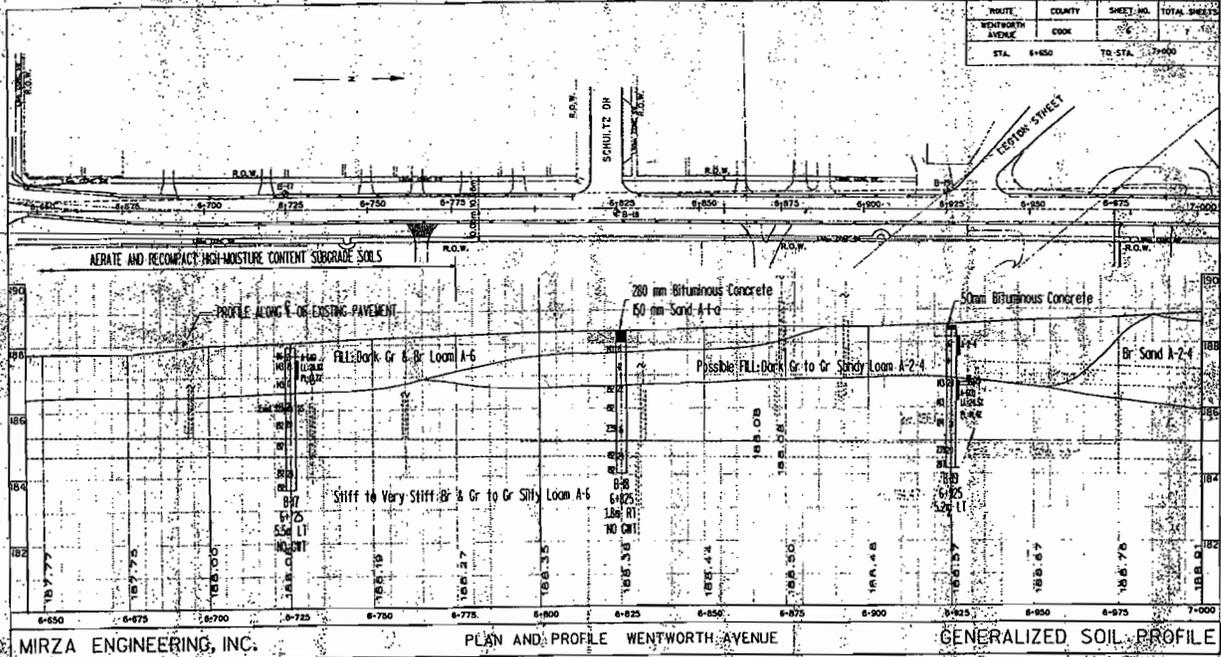
MIRZA ENGINEERING, INC.

PLAN AND PROFILE, WENTWORTH AVENUE

GENERALIZED SOIL PROFILE



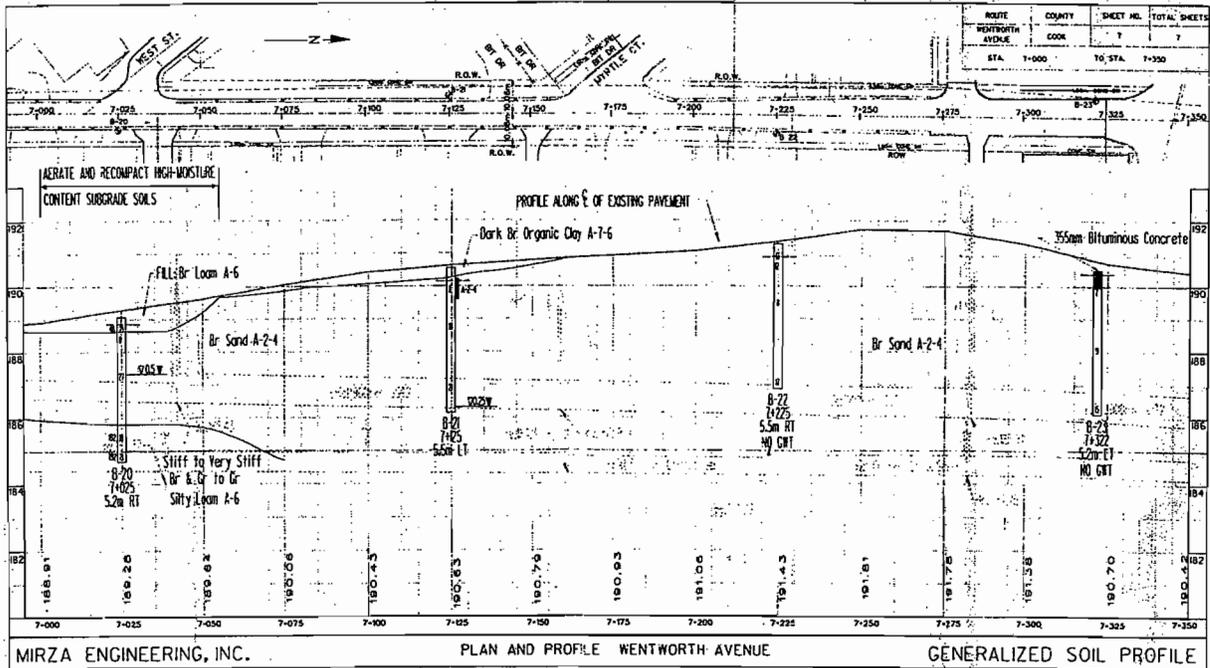




MIRZA ENGINEERING, INC.

PLAN AND PROFILE WENTWORTH AVENUE

GENERALIZED SOIL PROFILE



SPECIAL PROVISION
FOR
RIGHT-OF-WAY PARCELS NOT ACQUIRED
WENTWORTH AVENUE
GLENWOOD-LANSING ROAD TO RIDGE ROAD
SECTION: 95-W6606-01-FP

The attention of the Contractor is called to the fact that parcel **PE 06-14.3** may not have been acquired. No compensation will be allowed for any cost due to the Contractor for any delays in proceeding with construction phases involving this parcel.

Necessary steps are now under way to complete the acquisition proceedings and the attention of the Contractor is called further to the fact that this parcel will be available sufficient in advance of the completion date set forth in contract so that the Contractor can complete his construction phased in accordance with his Construction Schedule.

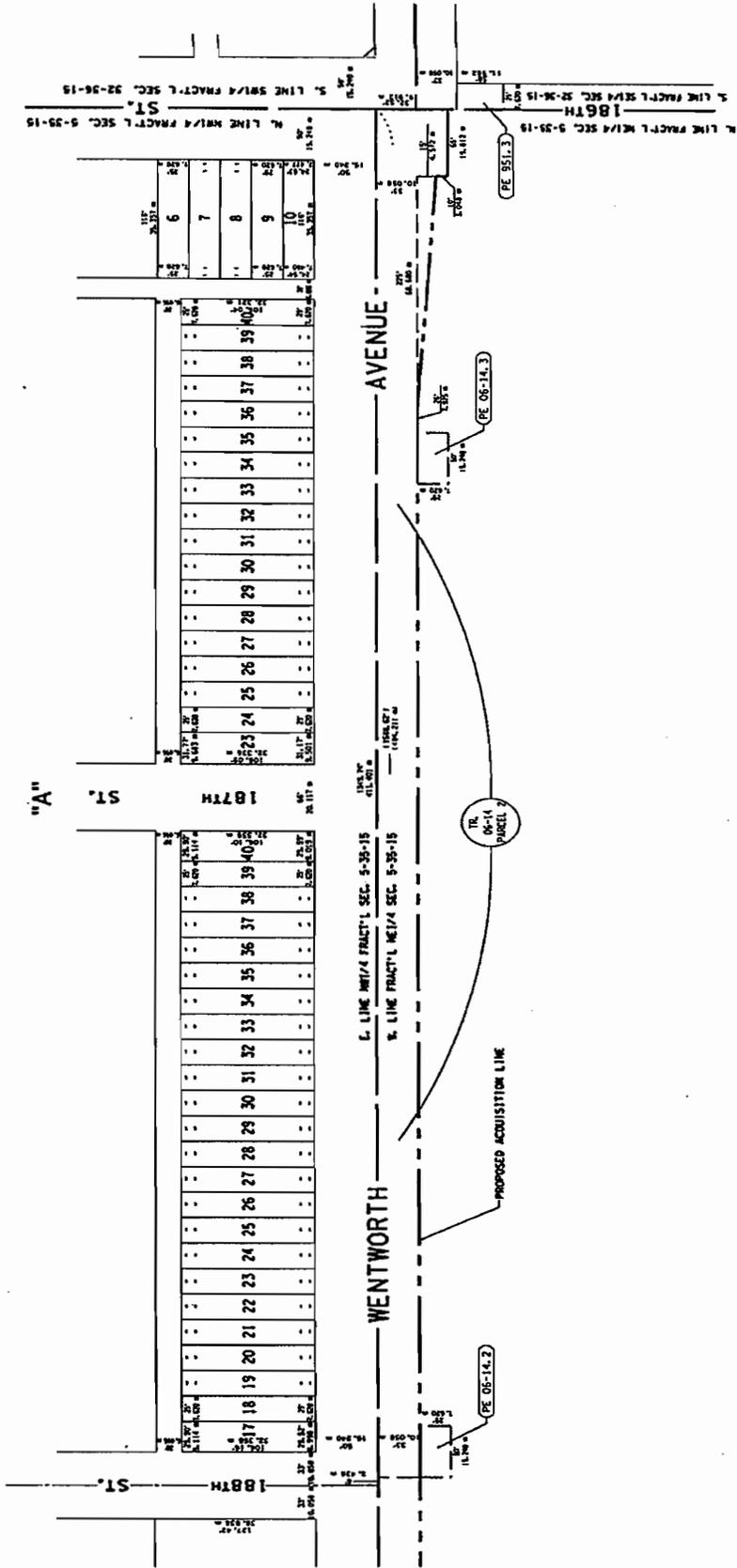
The Contractor shall not be permitted to enter upon, use or obstruct access to any right-of-way which has not yet been fully acquired, or which the right-of-occupancy or use has not been acquired, consequently, he should check with the Cook County Highway Department as to the latest status of available right-of-way.

The approximate location of the unacquired Parcel noted is shown herein or on the Plans, however, the Contractor should apply to the Cook County Highway Department for detailed location. Prior to commencement of any construction operation, the Contractor shall obtain from the Engineer the location of any Parcel not yet acquired.

RIGHT OF WAY PLAT

WENTWORTH AVENUE
IN SECTION 5, TOWNSHIP 35 NORTH,
RANGE 16 EAST OF 3RD PRINCIPAL MERIDIAN

"A"
LANSLING LAKE GARDENS
REL. 7-16-1985 DOC. 1541999



DEPARTMENT OF HIGHWAYS (R/W)
BUREAU OF HIGHWAY CONSTRUCTION
COUNTY, ILLINOIS

PROJECT: WENTWORTH AVENUE
GLENWOOD-LANSLING RD. TO RIDGE RD.

DATE: 11-11-1985
DRAWN BY: J. N. CARROLL
CHECKED BY: J. N. CARROLL
SCALE: 1" = 50' (1:1600)

PLAT NO. 95-14-2
SHEET NO. 4 OF 6
JOB NO. 95-14-2-4

NOTES:
DIMENSIONS ARE SHOWN IN FEET AND DECIMAL PARTS THEREOF AND ARE IN METERS.
DIMENSIONS SHOWN IN PARENTHESES ARE FEET AND DECIMAL PARTS THEREOF AND ARE IN METERS.
SEE PARTIAL PLAT FOR ENTIRE OWNERSHIP OF TR. 06-14

TRACT NUMBER	OWNER	LETTER OF COMMITMENT	PART TAKEN	REMARKS	NOTES
06-14	LANSLING COUNTY DUE	03-01-048	1.00	1.00	
06-14-2	FIRST NATIONAL BANK OF LANSLING, TRUST CO. 3174	03-01-010	1.00	1.00	
06-14-2	LANSLING COUNTY DUE	03-01-004	1.00	1.00	
06-14-2	LANSLING COUNTY DUE	03-01-046	1.00	1.00	

**SPECIAL PROVISION
FOR
MANHOLES, TYPE A, WITH OVERFLOW WEIR**

Description. This work shall consist of constructing restrictor plate manholes at locations shown on the plans or as directed by the Engineer, in accordance with Section 602 of the Standard Specifications.

The manholes shall be based on Type A manhole. Frames and lids shall be as shown in the Standard for Restrictor Frame and Lid – Type 1 and shall meet the requirements of Section 602 of the Standard Specifications.

Basis of Payment. This work will be paid for at the contract unit price per each for Manholes, Type A, 6 Ft Dia With Type 1 Frame, Closed Lid (With Overflow Weir), which price will be payment in full for all work and materials including restrictor plate, frame and lid, excavation, backfill, and labor.

**SPECIAL PROVISION
FOR
LIDS AND FRAMES AND LIDS**

Description. Where the term lids is used in the Summary of Quantities, on County Highway Standards and in the Plans, it shall be considered synonymous with the term grates and be subject to the provisions of Article 604 of the State Standard Specifications for Road and Bridge Construction.

Basis of Payment. This work shall be paid for at the contract unit price each for Lids and for Frames and Lids of the type specified, which price shall include the cost of the mortar bed.

**SPECIAL PROVISION
FOR
FRAMES AND LIDS TO BE ADJUSTED, SPECIAL**

Description. This work shall consist of the stage adjustment of frames and lids or grates of existing drainage and utility structures within the pavement area where the existing bituminous surface is to be removed. All work shall be in accordance with the applicable portions of Section 353, 406 and 603 of the Standard Specifications, at the locations shown in the plans or as designated by the Engineer and as herein specified.

Materials and Construction Methods. Stage I shall consist of a minimum twelve-inch (12 inch) wide removal of the pavement area around the structure; lowering of the existing frame to the elevation of the milled pavement surface; and backfilling with six-inch (6 inch) thick compacted bituminous material approved by the Engineer.

Stage II shall consist of removing the bituminous material, adjusting the frame to its final surface elevation and the replacement of the removed bituminous material with P.C. Concrete and/or Bituminous Concrete Material, meeting the requirements of Sections 353 and/or 406 of the Standard Specifications with the exception Bituminous Binder will not be allowed where Type 5 frames are encountered.

In lieu of lowering the existing frames with closed lids, the Contractor may remove and store the frame and lids and cover the existing structure with a one-half inch thick metal plate, flush with the milled surface, which will remain the property of the Contractor upon its replacement with the existing frame and lid.

Basis of Payment. This work will be paid for at the contract unit price each for Frames and Lids to be Adjusted, Special, which price shall be payment in full for adjusting the structure as herein required.

Existing broken frames or lids shall be removed and disposed of by the Contractor and shall be replaced as directed by the Engineer. Replacement frames and lids will be paid for in accordance with Article 109.04 of the Standard Specifications unless a separate pay item has been provided.

The adjustment of privately owned utility structures is not a part of this contract and will be done by the respective owners. On all Metropolitan Sanitary District structures, only P.C. Concrete Precast Rings shall be used for adjusting frames.

For projects located in the City of Chicago, the temporary placement of asphalt or steel plates over existing valve vaults is strictly prohibited. Access to these structures must be preserved at all times during the construction period. Adjustment of these valve vault structures in the City of Chicago will not be performed according to this special provision.

**SPECIAL PROVISION
FOR
BRACING AND SHEETING**

Description. The Contractor, if necessary, shall furnish, place and maintain all bracing and sheeting to safeguard adjacent utilities, as well as the work done under this contract.

Construction Cost. A drawing showing the method and sizes of bracing and sheeting proposed to be used shall be submitted to and approved by, the Engineer before the necessary materials or equipment are ordered by the Contractor.

If at anytime the method being used by the Contractor for supporting any material, highway or utility structure adjacent to any excavation is not reasonably safe, in the opinion of the Engineer, the Engineer may require and the Contractor shall provide additional bracing and support necessary to furnish the added degree of safety required by the Engineer. The Contractor shall provide such additional bracing and support by any method approved by the Engineer, as he may elect to use, but the taking of such added precautions shall in no way relieve the Contractor of his sole and final responsibility for the safety of lives, work and structures.

Basis of Payment. The cost of such required bracing and sheeting shall not be paid for separately but shall be considered as incidental to the contract.

**SPECIAL PROVISION
FOR
PAVEMENT REPLACEMENT**

Description. This work shall consist of the removal and replacement, and any necessary excavation and embankment of all surface, base course, and subbase as shown on the plans. Where all of the pavement, including subbase, base and surface course, is to be replaced, the item will be specified as "Pavement Replacement". If only surface course, binder course, cushion and joint filler is to be replaced, the item will be specified as "Pavement Replacement - Surface Course". The term "excavation" or "embankment" as used in this Article refers only to that necessary for the preparation of the subgrade, where the "Pavement Replacement" is full depth.

Materials. Materials shall meet the requirements of Division 1000 - Materials.

Construction Requirements.

General. All base, surface courses or subbase removed shall be restored to the original cross section. The elevation of the surface of the replaced surface course shall not vary more than 1/8 inch (3 mm) from the elevation of the surface of the adjoining surface course. The subgrade in the case of surface, base course and subbase removal, and the cushion or filler on the base course in the case of surface course removal, shall be adjusted so that this result will be obtained. Pavement damaged by reason of construction operations outside of the working limit of 2 feet (600 mm) from the form line specified shall be replaced by the Contractor at his/her own expense.

Portland Cement Concrete Base and Surface Courses. Portland cement concrete base or surface courses or natural cement concrete base or surface courses which are removed shall be replaced with portland cement concrete base or surface courses meeting the requirements of Sections 353 and 420, respectively, except that hand methods of consolidating and finishing will be permitted.

Brick, Granite Block and Wood Block Surface Courses. Brick, granite block or wood block surface courses which are removed shall be replaced if specified on the plans or directed by the Engineer. Whole sound brick, granite blocks or wood blocks taken from the original surface course shall be used in the replacement. If additional brick, granite blocks or wood blocks are required, the Contractor shall furnish a similar type and size to those which are being replaced. Brick, granite block or wood block surface course shall be laid on a sand or limestone screenings cushion approximately 1 inch (25 mm) thick, and shall have the joints filled with asphalt. The surface or base, may be restored to the proper elevation by use of an approved compacted bituminous material or air-entrained portland cement concrete.

Bituminous Surface and Binder Courses. Bituminous surface and binder courses which are removed shall be replaced by an equal thickness of bituminous materials meeting the requirements of Section 406. The type used shall be that which closely conforms to the type which was removed, and shall be approved in writing by the Engineer.

Gravel or Crushed Stone Base and Surface Courses. Gravel or crushed stone base and surface courses which are removed shall be replaced by an equal thickness of materials meeting the requirements of Section 351 or Section 402. The type used shall be that which closely conforms to the type which was removed and shall be approved in writing by the Engineer.

Base and Subbase Replacement. All granular or stabilized base and subbase which are removed shall be replaced with an equal compacted thickness of material which closely conforms to the original material removed and shall be compacted to the density requirements of the granular or stabilized base and subbase removed.

Disposal of Surplus Material. Surplus or waste material resulting from the removal and replacement operations shall be disposed of by and at the expense of the Contractor according to Article 202.03.

Method of Measurement. Pavement Replacement and Pavement Replacement - Surface Course, will be measured in place, and the area computed in square yards (square meters). Pavement or surface course damaged by reason of construction operations outside of the working limit of 2 feet (600 mm) from the form line specified will not be measured for payment.

Basis of Payment. This work will be paid for at the contract unit price per square yard (square meter) for Pavement Replacement or Pavement Replacement – Surface Course, which prices shall include any required earth excavation or embankment described herein.

**SPECIAL PROVISION
FOR
COOPERATION WITH UTILITIES**

This special provision amends the provisions of Article 105.07 of the Standard Specifications and includes a section clarifying the utility information provided in the plans and specifications.

105.07 - Cooperation with Utilities. Revise the last paragraph regarding (a) known Utilities to read:

"No additional compensation will be allowed for any delays, inconveniences, or damage sustained by the Contractor due to any interference from the said utility appurtenances or the operation of moving them either by the utility company or by him; or on account of any special construction methods required in prosecuting his work due to the existence of said appurtenances either in their present or relocated positions."

105.07 - Cooperation with Utilities. Delete subarticle 105.07 (b) Unknown Utilities and substitute the following:

(b) Unknown Utilities. The requirements stated above for known utilities shall apply to unknown utilities.

Examination of Plans, Specifications, Special Provisions and Site of Work.

The bidder shall, before submitting a bid, carefully examine the provisions of the contract. The bidder shall inspect in detail the site of the proposed work, investigate and become familiar with all the local conditions affecting the contract and fully acquaint themselves with the detailed requirements of construction. Submission of a bid shall be a conclusive assurance and warranty the bidder has made these examinations and the bidder understands all the requirements for the performance of the work. If his/her bid is accepted, the bidder shall be responsible for all errors in the proposal resulting from his/her failure or neglect to comply with these instructions. The Department will, in no case, be responsible for any costs, expenses, losses, or change in anticipated profits resulting from such failure or neglect of the bidder to make these examinations.

The bidder shall take no advantage of any error or omission in the proposal and advertised contract. Any prospective bidder who desires an explanation or interpretation of the plans, specification, or any of the contract documents shall request such in writing from the Department, in sufficient time to allow a written reply by the Department that can reach all prospective bidders before the submission of their bids. All information and changes made to the contract will be communicated through an addendum. Only changes made through the addendum will be binding to the Department.

When the plans or special provisions include information pertaining to the location of underground utility facilities, such information represents only the opinion of the Department as to the location of such utilities and is only included for the convenience of the bidder. The Department assumes no responsibility whatever in respect to the sufficiency or the accuracy of the information shown on the plans relative to the location of underground utility facilities. It shall be the Contractor's responsibility to determine the actual location of all such facilities including field verification of both vertical and horizontal locations relative to the work. He

shall also obtain from the respective utility companies detailed information relative to the location of their facilities and the working schedules of the utility companies for removing or adjusting them.

It is understood and agreed that the Contractor has considered in his bid all of the permanent and temporary utility appurtenances in their present or relocated positions. The Contractor's attention is directed to the fact that the various utility companies may be relocating and constructing facilities within the project limits concurrent with the Contractor's operations. The Contractor shall coordinate his activities with the various utility companies, at all times, and may be required to work at other locations of the improvement until relocation and construction is completed by the utility company. The Contractor is advised that the relocation times and schedules listed in the special provision "Status of Utilities to be Adjusted" are only rough estimates and no extra compensation will be allowed for delays resulting from any work performed by a utility company or for their failure to meet said relocation schedule.

**STATUS OF UTILITIES
UTILITIES TO BE ADJUSTED
WENTWORTH AVENUE
GLENWOOD-LANSING ROAD TO RIDGE ROAD
SECTION: 95-W6606-01-FP**

Name & Address of Utility	Type	Estimated Date of Completion
<p>Nicor Gas Company 1844 Ferry Road Naperville, IL 60563 Attn: Constance Lane Administrator, Engineering (630) 388-3830</p> <p>cc: Ed Vanscoit (815) 221-4339</p>	<p>2" gas main Sta. 10+86 to Sta. 26+05 RT. Wentworth profile lowered and roadway widened.</p> <p>2" gas main Sta. 12+25 to Sta. 20+0 16.5' RT. Conflict with proposed drainage structure.</p> <p>2" gas main Sta. 21 +87 to Sta. 21+87, lateral at 192nd PL. Wentworth profile lowered and roadway widened.</p> <p>2" gas main Sta. 24+98 to Sta. 24+98 lateral at 192nd St. Wentworth profile lowered and roadway widened.</p> <p>2" gas main Sta. 26+05 to Sta. 27+65 RT. Conflict with proposed drainage structure.</p> <p>2" gas main Sta. 27+77 to Sta. 27+77, lateral at 191st St. Wentworth profile lowered and roadway widened.</p>	<p>Nicor will complete their relocation work prior to 4-30-2012.</p>
	<p>2" gas main Sta. 27+65 to Sta. 28+75 RT. Conflict with proposed drainage structure.</p> <p>2" gas main Sta. 28+60, lateral at 188th PL. Wentworth profile lowered and roadway widened.</p> <p>2" gas main Sta. 28+75 to Sta. 29+39 RT.</p> <p>2" gas main Sta. 29+39 to Sta. 49+84 RT. Wentworth profile lowered and roadway widened.</p> <p>4" gas main Sta. 33+96 to Sta. 33+96, lateral at 190th PL. Wentworth profile lowered and roadway widened.</p> <p>2" gas main Sta. 36+50 RT/LT. Within the NGPL R.O.W. limits.</p> <p>2" gas main Sta. 37+15, lateral at Manor Dr. Wentworth profile lowered and roadway widened.</p> <p>2" gas main Sta. 49+84 to Sta. 50+50 LT. Wentworth profile lowered and roadway widened.</p> <p>2" gas main Sta. 49+84 to Sta. 49+84 lateral at 188th St. Wentworth profile lowered and roadway widened.</p> <p>2" gas main Sta. 50+50 to Sta. 57+15 LT. Wentworth profile lowered and roadway widened.</p>	

Name & Address of Utility	Type	Estimated Date of Completion
	<p>2" gas main Sta. 57+15, at 187th St. Wentworth profile lowered and roadway widened.</p> <p>2" gas main Sta. 57+15 to Sta. 63+50 LT. Wentworth profile lowered and roadway widened.</p> <p>2" gas main Sta. 63+50 to Sta. 70+30 LT. Wentworth profile lowered and roadway widened.</p>	
<p>Nicor (cont.)</p>	<p>2" gas main Sta. 64+25 to Sta. 64+25 lateral at 186th St. Wentworth profile lowered and roadway widened.</p> <p>2" gas main Sta. 64+74 to Sta. 64+74 lateral. Wentworth profile lowered and roadway widened.</p> <p>2" gas main Sta. 70+20 to Sta. 70+20 lateral at Schultz Dr. Wentworth profile lowered and roadway widened.</p> <p>2" gas main Sta. 70+30 to Sta. 72+65 LT.</p> <p>2" gas main Sta. 72+65 to Sta. 75+30 LT to RT. Wentworth profile lowered and roadway widened.</p> <p>2" gas main Sta. 75+30 to Sta. 77+30 RT. Wentworth profile lowered and roadway widened.</p> <p>2" gas main Sta. 77+10 lateral at West St. Wentworth profile lowered and roadway widened.</p> <p>2" gas main Sta. 77+30 to Sta. 77+70 RT. Conflict with proposed drainage structure.</p> <p>2" gas main Sta. 77+70 to Sta. 80+40 RT. Wentworth profile lowered and roadway widened.</p> <p>2" gas main Sta. 80+40 to Sta. 83+23 RT. Wentworth profile lowered and roadway widened.</p> <p>2" gas main Sta. 81+30 lateral at Myrtle St. Wentworth profile lowered and roadway widened.</p> <p>2" gas main Sta. 83+23 to Sta. 85+31 RT.</p>	
<p>Sprint 5600 N. River Road, Suite 300 Rosemont, IL 60018 Attn: James Burton (847) 737-1273</p>	<p>Existing buried cables are along RR tracks. (shared trench with MCI)</p>	<p>No conflict anticipated Use caution when removing existing guardrail posts south of the RR crossing.</p>

Name & Address of Utility	Type	Estimated Date of Completion
Comcast 688 Industrial Ave. Elmhurst, IL 60126 Attn: Robert L. Schuller, Jr. Right-of-Way Manager (630) 600-6348 Contact during construction: Chris Baker 630.288.7637	Buried cable Sta. 21 +95 to Sta. 22+96 42' RT. Profile was lowered. Buried cable Sta. 50+02 to Sta. 50+58 RT. Roadway was widened. Buried cable Sta. 50+58 to Sta. 50+58 lateral at 188th St. Profile was lowered. Buried cable Sta. 79+10 to Sta. 79+10 lateral. Profile was lowered. Aerial cables attached to the ComEd poles.	Comcast will complete all their relocation work prior to 4-3-2012. Comcast will coordinate their relocation work with ComEd and AT&T.
Commonwealth Edison 25000 S. Governors Highway University Park, IL 60466 Attn: Ilyas Mohiuddin (708) 235-2692 cc: James Torres (312) 394-3260 David Stoppelman (630) 576-7092	Electric handhole Sta. 60+88 19' LT. Roadway was widened. Poles: 8 poles will require relocation. 12 poles will require bracing during roadway construction. Electric handhole Sta. 64+08 35' LT. Roadway was widened.	ComEd will complete all their relocation work prior to 3-20-2012. ComEd will coordinate their relocation work with Comcast and AT&T.
	Pole location Sta. 75+12 17' LT. Roadway was widened. Sta. 84+96 to Sta. 85+16 22' RT. Roadway was widened. Transformer and buried conduit at Sta. 13+72 Transformer and buried conduit at 192nd St.	
Natural Gas Pipeline Company 23725 West County Farm Road Shorewood, IL 60431 Attn: John Hedrick (815) 272-9154	30" gas main Sta. 35+66 to Sta. 35+66 lateral. High pressure gas line. 22" gas main Sta. 36+86 to Sta. 36+86 lateral. High pressure gas line.	No conflict anticipated No conflict anticipated
360 Networks, Inc. 600 South Federal Street Suite 124-6 Chicago, IL 60605 Attn: Ben G. Pacocha (312) 427-6289 cc: Tim Plank (314) 774-2133 tplank@360.net	Existing buried cable is along RR tracks.	No conflict anticipated

Name & Address of Utility	Type	Estimated Date of Completion
AT&T 1000 Commerce Dr. Floor 2 Oakbrook, IL 60523 Attn: Robert Elsinga (630) 573-5452 cc: David Phelps (630) 573-6464	Buried cable Sta. 33+24 to Sta. 33+29 lateral at Pete Wiers Ln. Profile was lowered. Buried cable Sta. 48+41 to Sta. 50+58 RT. at 188th St. Roadway was widened. Buried cable Sta. 50+58 to Sta. 50+58 lateral at 188th St. Profile was lowered. Buried cable Sta. 68+23 to Sta. 68+35 41' RT. Roadway widened. Buried cable Sta. 69+86 to Sta. 69+86 lateral at Schultz Dr. Profile was lowered. Buried cable Sta. 84+51 to Sta. 84+51 RT. Roadway widened. Aerial cables attached to ComEd poles.	AT&T will complete all their relocation work prior to 4-20-2012. AT&T will coordinate their relocation work with ComEd and Comcast..
Village of Lansing 3300 171st Street Lansing, IL 60438 Attn: Ron Bannon Super. Of Public Works (708) 895-7190	8" water Sta. 16+13 to Sta. 16+13 lateral at 193rd PL. Wentworth profile lowered and roadway widened. 10" sanitary sewer Sta. 20+22 to Sta. 20+22 lateral. Clearance with proposed storm sewer. 8" water Sta. 21+89 to Sta. 21+89 lateral at 192nd PL. Wentworth profile lowered and roadway widened. 8" water Sta. 23+38 to Sta. 23+38 lateral. Wentworth profile lowered and roadway widened. Sanitary sewer manhole Sta. 25+42 32' LT. Roadway widened. San. Sewer manhole Sta. 28+19 32' LT. Roadway widened. Water valve Sta. 32+75 12' LT. Roadway widened. Water valve Sta. 32+81 11' LT. Roadway was widened. Water hydrant Sta. 32+93 18' LT. Roadway was widened. 10" sanitary sewer Sta. 33+23 lateral at Pete Wiers LN. Wentworth profile lowered and roadway widened. Light pole Sta. 33+88 19' LT. Roadway was widened. 8" water Sta. 33+94 to Sta. 36+91 LT. Roadway was widened. Water valve Sta. 34+00 31' LT. Roadway was widened. 10" sanitary sewer Sta. 34+42 lateral at 190th PL. Wentworth profile lowered and roadway widened. Sanitary sewer manhole Sta. 34+4226' LT. Roadway was widened. Water hydrant Sta. 44+13 21' LT. Roadway was widened.	Watermain to be adjusted as part of the project. Line to be adjusted to DIP at the crossing as part of the project. Watermain to be adjusted as part of the project. Watermain to be adjusted as part of the project. No conflict anticipated No conflict anticipated. Adjust Str. No conflict anticipated. Adjust Str. No conflict anticipated. Adjust Str. Adjustment may be required. (Verify in field) No conflict anticipated Light pole to be relocated as part of the project No conflict anticipated Adjust structure. No conflict anticipated No conflict anticipated. Adjust Str. No conflict anticipated.

Name &	Type	Estimated Date of Completion
Lansing (cont.)	<p>8" sanitary sewer Sta. 50+42 to Sta. 50+50 lateral at 188th St. Profile was lowered.</p> <p>16" water Sta. 50+47 to Sta. 50+97 RT near 186th St. Conflict with proposed sewer.</p> <p>Water valve Sta. 50+50 25' LT. Roadway was widened.</p> <p>Water hydrant Sta. 50+50 31' LT. Roadway was widened.</p> <p>Light pole Sta. 56+90 35' LT. Roadway was widened.</p> <p>16" water Sta. 60+24 to Sta. 60+54 RT South of 186th St. Conflict with proposed sewer.</p> <p>8" sanitary sewer Sta. 60+39 to Sta. 63+90 LT. Wentworth profile lowered and roadway widened.</p> <p>16" water Sta. 63+52 lateral along 186th St. Conflict with proposed sewer.</p> <p>8" water Sta. 63+56 to Sta. 85+60 LT. Wentworth profile lowered and roadway widened.</p> <p>8" sanitary sewer Sta. 63+60 to Sta. 64+12 RT. Profile was lowered.</p>	<p>No conflict anticipated</p> <p>Watermain to be adjusted as part of the project.</p> <p>No conflict anticipated. Adjust Str.</p> <p>Adjustment may be required. (Verify in field)</p> <p>No conflict anticipated</p> <p>Watermain to be adjusted as Part of the project.</p> <p>No conflict anticipated</p> <p>Watermain to be adjusted as Part of the project.</p> <p>No conflict anticipated</p> <p>No conflict anticipated</p>
	<p>21" combined sewer Sta. 63+97 to Sta. 84+75 2' RT. Profile was lowered.</p> <p>12" sanitary sewer Sta. 63+97 lateral at 186th St. Profile was lowered.</p> <p>10" water Sta. 64+23 lateral at 186th St. Wentworth profile lowered and roadway widened.</p> <p>8" water Sta. 66+05 to Sta. 70+55 16.5' LT. Roadway widened.</p> <p>8" water Sta. 67+16 lateral. Wentworth profile lowered and roadway widened.</p> <p>Water hydrant Sta. 67+17 22' LT. Roadway was widened.</p> <p>8" water Sta. 69+83 to Sta. 70+23 LT. Conflict with proposed sewer.</p> <p>Water hydrant Sta. 69+90 31' LT. Roadway was widened.</p> <p>Water valve Sta. 73+44 18' LT. Roadway was widened.</p> <p>Water valve Sta. 75+29 21' LT. Roadway was widened.</p> <p>24" water main Sta. 75+32 to Sta. 85+60 RT. Wentworth profile lowered and roadway widened.</p> <p>8" sanitary sewer Sta. 77+04 lateral at Terrace DR. Profile was lowered.</p>	<p>No conflict anticipated</p> <p>No conflict anticipated</p> <p>Watermain to be adjusted as part of the project.</p> <p>No conflict anticipated</p> <p>No conflict anticipated</p> <p>No conflict anticipated</p> <p>Watermain to be adjusted as Part of the project.</p> <p>Hydrant to be adjusted.</p> <p>Adjust structure.</p> <p>No conflict anticipated. Adjust Str.</p> <p>Watermain to be adjusted as Part of the project.</p> <p>No conflict anticipated.</p>

Name & Address of Utility	Type	Estimated Date of Completion
Lansing (cont.)	6" sanitary sewer Sta. 77+14 lateral at West St. Profile was lowered. Hydrant at Sta. 77+35 22' LT. Roadway was widened. 24" water main Sta. 80+75 to Sta. 82+10 16.5' RT. Profile was lowered and widened. Water valve Sta. 82+27 20' RT. Roadway was widened.	No conflict anticipated No conflict anticipated No conflict anticipated No conflict anticipated
MCI 7719W. 60th Place P.O. Box 387 Summit, IL 60501 Attn: Jim Todd (708) 458-6410 cc: Beth Seubert (972) 729-6016	Existing buried cables are along RR tracks. (shared trench with Sprint)	No conflict anticipated Use caution when removing existing guardrail posts south of the RR crossing.
Qwest Communications 13057S. Monitor Drive Palos Heights, IL 60463 Attn: Kevin Huff (708) 837-7927 cc: Kim Jordan (800) 283-4237	Existing buried cables are along RR tracks.	No conflict anticipated
Rogers Telecom (US) Inc. 8200 Dixie Road Brampton, Ontario L6T 0C1, Canada Attn: Richard Austria (647) 747-2976 cc: Matthew Gabrielse Gabe's Construction Co., Inc. (920)-459-2600X365	Existing buried cables are along RR tracks. Depth ranges from 8' to 11.5' per locate information provided.	No conflict anticipated

NOTE: All underground utilities shall be located by the Contractor prior to the start of construction. The location of the Traffic Signal Post Foundations and Handholes shall be adjusted accordingly to avoid conflict with the utilities. Watch and Protect all utilities.

The above represents the best information available to the County and is included for the convenience of the bidder. Utility relocation startup date is assumed to be from the date the R.O.W. is staked and permits are secured unless otherwise noted. The applicable provisions of Articles 105.07, 107.20 and 107.31 of the Standard Specifications for Road and Bridge Construction and Cook County Special Provision #185 shall apply.

The Contractor's attention is directed to the fact that the various utility companies will be relocating and constructing facilities within the project limits concurrent with the Contractor's operations. The Contractor shall coordinate his activities with the various utility companies, at all times, and may be required to work only on portions of the improvement until relocation and construction is completed. The Contractor is advised that the relocation times and schedules listed herein are only estimates provided by the utility company. No extra compensation will be allowed for delays resulting from any work performed by a utility company or for their failure to meet said relocation schedule.

NOTE: All Sanitary Sewer Manholes to be Adjusted shall be waterproofed in accordance with Special Provision #194 for Waterproofing Sanitary Sewer Manholes.

The Contractor should contact J.U.L.I.E. at least 48 hours before start of construction at 1-800-892-0123 for all utility locations.

H:\Design\Drainage\Utilities_Section\Status of Utilities\Wentworth Avenue-Glenwood-Lansing Road to Ridge Road2.doc

**SPECIAL PROVISION
FOR
WATER VALVE BOXES TO BE ADJUSTED AND DOMESTIC METER VAULTS TO BE ADJUSTED**

Description. At various locations within the limits of this improvement, the Contractor will encounter water valve boxes and/or domestic meter vaults that are to be adjusted to the proposed grade.

This work shall be subject to the provisions of Section 602 of the State Specifications.

Basis of Payment. This work shall be paid for at the contract unit price each for Water Valve Boxes to be Adjusted and for Domestic Meter Vaults to be Adjusted, which price shall include all labor, equipment and materials to complete the work in accordance with the plans and this special provision

**SPECIAL PROVISION
FOR
WATER MAIN INSTALLATION**

The construction of water mains shall conform to Section 561 of the Standard Specifications for Road and Bridge Construction.

Description. This work shall include the furnishing of all materials, equipment, tools and labor necessary to do the work required by these provisions and as shown on the plans.

General Conditions. The Contractor shall submit to the municipality involved a schedule of his operations in connection with work to be performed on water mains owned and maintained by the municipality.

Materials. Water main as specified shall be Ductile Iron, push type or mechanical joint, as required by the owner, conforming to AWWA Specification C-151 and shall be cement lined in accordance with AWWA Specification C-104.

Basis of Payment. This work shall be paid for at the contract unit price per meter (foot) for WATER MAIN of the diameter specified. This price shall be paid in full for furnishing and installing water main complete in place and shall also include pipe fittings, thrust blocks and/or retainer glands, trenching and bedding.

Trench Backfill. Sand backfill shall be placed in accordance with the requirements in AWWA Specifications and Section 208 of the Standard Specifications. Where the excavation is made through permanent pavement, curbs or driveways, sand backfill shall be placed to the subgrade. Trench backfill shall be used in the balance of the right-of-way.

Basis of Payment. This work shall be paid for at the contract unit price per cubic meter (yard) for TRENCH BACKFILL measured as specified herein and conforming to Section 208 and Article 1003.04 of the Standard Specifications.

Valves. Valves shall be of standard manufacture and shall conform to the current Standard Specifications of the American Water Works Association.

Basis of Payment. This item shall be paid for at the contract unit price each for WATER VALVE of the size and type specified, complete in place, which price shall include all labor and materials necessary to complete the installation.

Pressure Connection. When sections of existing water mains are to be relocated and the system cannot be shut down or taken out of service, the Contractor is to utilize an accepted practice for tying in new mains using pressure connections. All accessories shall conform to pertinent AWWA Specifications.

Basis of Payment. This work shall be paid for at the contract unit price each for Pressure Connection of the size specified which price shall be paid in full for all materials, labor and equipment necessary to make the installation at the location.

**SPECIAL PROVISION
FOR
SANITARY SEWER INSTALLATION**

Description This work shall consist of constructing sanitary sewers of the required inside diameter with necessary fittings, laid, bedded and backfilled and, conforming to the lines and grades shown on the plans or furnished by the Engineer.

Construction Methods. Construction methods shall be in conformance with Section 550 of the Standard Specifications for Road and Bridge Construction with the following exceptions. Material meeting the requirements of trench backfill Article 1003.04 shall be deposited to a depth of one foot over the pipe and then water jetted through holes on each side of the pipe. The jetting tube shall extend to a depth of at least half the distance between the spring line and the bottom of the pipe and shall be spaced as directed by the Engineer but no farther than six feet apart. This material shall not be paid for as trench backfill but shall be included in the unit price bid for sanitary sewer of the type specified.

The remainder of the trench shall be backfilled with excavated material in accordance with Article 550.07 of the Standard Specifications or trench backfill when called for on the plans. Payment for trench backfill to be from bottom of subgrade to one foot over top of pipe.

Jointing. Joints and jointing - Unless otherwise called for in the Special Provisions, the following joint shall be used:

Vitrified Clay Pipes equipped with a compression type joint of preformed plastic or rubber materials having resilient properties and conforming to all requirements of A.S.T.M. Specification C-425.

Iron Pipes equipped with rubber gasket mechanical joints conforming to the requirements set forth in American Water Works Association (A.W.W.A.): Specification C-111.

Reinforced Concrete Sewer and Asbestos Cement Pipes equipped with a compression type rubber gasket joint which will remain tight under all conditions and shall conform to Article 1056.01 of the Standard Specifications.

All joints shall be cleaned and inspected immediately preceding installation and, any pipe whose joint has been determined unsatisfactory shall be removed from the job site. All joints shall be installed and made in conformance with the latest manufacturers' recommendations and shall be subject to approval by the Engineer.

Pipe Bedding. Bedding, shall consist of gravel, crushed gravel, pea gravel, crushed stone or crushed slag, $\frac{1}{4}$ inch to $\frac{3}{4}$ inch in size. As a minimum, the material shall conform to the requirements of Article 1004.01 of the "Standard Specifications for Road and Bridge Construction", of the State of Illinois or ASTM C-33. The gradation shall conform to gradation CA 7, CA 8, CA 11 or CA 13 of the Illinois Standard Specifications or to ASTM Gradation No. 67. The pipe shall be laid so that it will be uniformly supported and the entire length of the pipe barrel will have full bearing. No blocking of any kind shall be used to adjust the pipe to grade except when used with embedment concrete. Bedding shall be required for all sewer construction and shall be of a minimum thickness equal to $\frac{1}{4}$ th of the outside diameter of the sewer pipe but shall not be less than six inches.

Maximum Allowable Infiltration:

The maximum allowable rate of infiltration or exfiltration shall not exceed 200 gallons per twenty-four (24) hours per mile per inch-diameter of the sewer pipe, for any section of the system and at any time during its service life.

Pipe Materials. Pipe shall be produced of the material specified and manufactured in strict adherence to applicable A.S.T.M., ASA or other applicable standardizing agency specifications and meeting all requirements of strength, and alignment tolerances as set forth in said specifications.

Inspection. Any section of the sewer failing to meet the requirements set forth in this Special Provision upon inspection by the Engineer, shall be repaired and/or replaced at the Contractor's expense. Any testing which may be required shall be done at the Contractor's expense upon request of the Engineer.

Basis of Payment. This work shall be paid for at the contract unit prices per foot for VITRIFIED CLAY PIPE SANITARY SEWERS (AASHTO M-65); EXTRA STRENGTH CLAY PIPE SANITARY SEWERS (AASHTO M-65); DUCTILE IRON PIPE SANITARY SEWERS (AWWA C-151) or REINFORCED CONCRETE PIPE SANITARY SEWERS (AASHTO M-170) of the size designated, which price shall include all labor, material and equipment necessary for excavating, bedding, installing, jointing and backfilling the sewer as herein specified.

**SPECIAL PROVISION
FOR
PRECAST CONCRETE HANDLING HOLES (IL)**

Add the following to Article 540.02 of the Standard Specifications:

“(g) Handling Hole Plugs.....1042.16”

Add the following paragraph after the sixth paragraph of Article 540.06 of the Standard Specifications:

“Handling holes shall be filled with a precast concrete plug and sealed with mastic or mortar, or filled with a polyethylene plug. The plug shall not project beyond the inside surface after installation. When metal lifting inserts are used, their sockets shall be filled with mastic or mortar.”

Add the following to Article 542.02 of the Standard Specifications:

“(ee) Handling Hole Plugs.....1042.16”

Revise the fifth paragraph of Article 542.04(d) of the Standard Specifications to read:

“Handling holes in concrete pipe shall be filled with a precast concrete plug and sealed with mastic or mortar; or filled with a polyethylene plug. The plug shall not project beyond the inside surface after installation.”

Add the following to Article 550.02 of the Standard Specifications:

“(o) Handling Hole Plugs.....1042.16”

Replace the fourth sentence of the fifth paragraph of Article 550.06 of the Standard Specifications with the following:

“Handling holes in concrete pipe shall be filled with a precast concrete plug and sealed with mastic or mortar; or filled with a polyethylene plug. The plug shall not project beyond the inside surface after installation.”

Add the following to Article 602.02 of the Standard Specifications:

“(p) Handling Hole Plugs.....1042.16(a)”

Replace the fifth sentence of the first paragraph of Article 602.07 of the Standard Specifications with the following:

“Handling holes shall be filled with a precast concrete plug and sealed with mastic or mortar. The plug shall not project beyond the inside surface after installation. When metal lifting inserts are used, their sockets shall be filled with mastic or mortar.”

Add the following to Section 1042 of the Standard Specifications:

"1042.16 Handling Hole Plugs. Plugs for handling holes in precast concrete products shall be as follows:

Precast Concrete Plug. The precast concrete plug shall have a tapered shape and shall have a minimum compressive strength of 3000 psi (20,000 kPa) at 28 days.

Polyethylene Plug. The polyethylene plug shall have a "mushroom" shape with a flat round top and a stem with three different size ribs. The plug shall fit snugly and cover the handling hole.

The plug shall be according to the following:

Mechanical Properties	Test Method	Value (min.)
Flexural Modulus	ASTM D 790	3300 psi (22,750 kPa)
Tensile Strength (Break)	ASTM D 638	1600 psi (11,030 kPa)
Tensile Strength (Yield)	ASTM D 638	1200 psi (8270 kPa)

Thermal Properties	Test Method	Value (min.)
Brittle Temperature	ASTM D 746	- 49 °F (- 45 °C)
Vicat Softening Point	ASTM D 1525	194 °F (90 °C)

**SPECIAL PROVISION
FOR
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS**

Description. This project will result in a disturbance of one or more acres of total land area and will require compliance with the National Pollutant Discharge Elimination System (NPDES) Storm Water Permit.

The Cook County Highway Department is the permittee, and all Contractors and Subcontractors involved in any soil disturbing activities will be required to confirm that they understand and will comply with all requirements of the permit by signing a Contractors Certification Statement. The Contractor shall adhere to the plans and complete required documents throughout construction. Sample documents are attached as part of this Special Provision.

A Storm Water Pollution Prevention Plan (SWPPP) shall be designed by the permittee and included in the project plans to be cooperatively implemented and updated by the Resident Engineer and Contractor for this project using good engineering practices. The plan shall identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges. In addition, the plan shall describe and ensure the implementation of best management practices (BMPs) which will be used to reduce the pollutants in storm water discharges associated with this project and assure compliance with the terms and conditions of the Storm Water Permit. Such practices may include mulching, geotextiles, silt fences, sediment traps, storm drain inlet protection and several others mentioned in the permit. The installation of these devices may be subject to Section 404 of the Clean Water Act. The plan will be signed by the County Superintendent of Highways and retained on-site.

A Sediment and Erosion Control Inspection Report will be completed once a week and after every ½ inch rainfall (5 inch snowfall event) by the Resident Engineer. All directions to the Contractor for required repairs/maintenance/installation of erosion and sediment control or any other necessary BMPs will be included in the report. The Contractor will sign the report to confirm his/her receipt of a copy.

If any required repairs/maintenance/installation of sediment and erosion control or any other BMPs are not completed by the Contractor or Subcontractors within the time specified by the Engineer (time will vary from 1/2 hour to 1 week based on the urgency of the situation and the nature of the deficiency. The Engineer will be the sole judge), the Resident Engineer shall complete and submit an Incidence of Non-compliance (ION) form to the Illinois Environmental Protection Agency.

Basis of Payment. Temporary erosion control items have been included in the Summary of Quantities. Additional items not included in the Summary of Quantities, but deemed necessary by the Resident Engineer to fulfill the requirements of the NPDES Permit and this Special Provision will be paid for according to Article 109.04 of the State Standard Specifications for Road and Bridge Construction.

Following is the list of documents that comprise the Special Provision for NPDES:

Permit Coverage Letter – Ilr40085 (1 Page)
General NPDES Permit Ilr40 (2 Pages)
General NPDES Permit Ilr10 (10 Pages)
Notice of Intent (3 pages) – Do not send fee – send form only as notification to IEPA.
Notice of Termination (2 pages) – Send form to IEPA at end of construction.
IEPA Incidence of Non-Compliance Form (1 Page)
Contractor Certification Statement (1 Page)
Erosion and Sediment Control Inspection Checklist (1 Page)
Erosion/Sediment Control Inspection Report (1 Page)
Storm Water Pollution Plan Signed by Superintendent (5 Pages)



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. Box 19276, SPRINGFIELD, ILLINOIS 62794-9276, 217-782-3397
 JAMES R. THOMPSON CENTER, 100 WEST RANDOLPH, SUITE 11-300, CHICAGO, IL 60601, 312-814-6026

217782-0610

ROD R. BLAGOJEVICH, GOVERNOR

RENEE CIPRIANO, DIRECTOR

2/9/20

COOK COUNTY HIGHWAY DEPT
 69 W WASHINGTON ST STE 2100
 CHICAGO, IL. 60602

Re: Cook County Highway Dept - Municipal Separate Storm
 Sewer System NPDES Permit No. ILR400485 County: Cook
 Notice of Coverage Under General Permit

Dear NPDES Permittee:

We have received your Notice of Intent and have determined that storm water discharges from your municipal separate storm sewer system are appropriately covered by the attached NPDES general permit issued by the Agency.

The permit as issued covers Notice of Intent requirements, storm water management programs, and monitoring, recordkeeping and reporting requirements. Attached is an Annual Inspection Form that you must complete and submit to the Agency by the first day of June for each year that this permit is in effect.

Failure to meet any portion of the permit could result in civil and/or criminal penalties. The Agency is ready and willing to assist you in interpreting any of the conditions of the permit as they relate to your municipal separate storm sewer system.

Your municipal storm sewer system was automatically covered by this permit 30 days after your Notice of Intent application pursuant to the General Storm Water Permit for MS4's, Part I. Coverage Under This Permit, D. 3. The Agency realizes that you may have implemented part of your program, however, we have reviewed your application for any deficiencies and applicability of the general permit versus an individual permit. The final determination is that the general permit is applicable to your system.

This letter shows your permit number below your name. Please reference this number in all future correspondence. Should you have any questions concerning the permit, please contact the Permit Section at (217) 782-0610.

Very truly yours,

Alan Keller, P. E.
 Manager, Permit Section
 Division of Water Pollution Control

Enclosure

AK:MED:MS4 Coverage Letter

cc: Records Unit Des Plaines

Rockrod Rd P022I North Main Street, Rockford, IL 61103 - (815) 987-7760 • DES PLAINES-9511 W. Harrison St., Des Plaines, IL 60016 - (847) 294-4000 ELGIN- 595 South State, Elgin, IL 60123 - (847) 608-3131 • PEORIA- 5415 N. University St., Peoria, IL 61614 - (309) 693-5463
 BUREAU OF LAND - PEORIA- 7620 N. University St., Peoria, IL 61614 - (309) 693-5462 • CHAMPAIGN - 2125 South First Street, Champaign, IL 61820 - (217) 278-58C SPRINGFIELD- 4500S. Sixth Street Rd., Springfield, IL 62706 - (217) 786-6892 • COLLINSVILLE- 2009 Mall Street, Collinsville, IL 62234 - (618) 346-5120 MARION - 2309 W. Main St., Suite 116, Marion, IL 62959 - (618) 993-7200C

General NPDES Permit No. ILR40

Illinois Environmental Protection Agency
Division of Water Pollution Control
1021 North Grand East
P.O. Box 19276
Springfield, Illinois 62794-9276

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

**General NPDES Permit
For
Discharges from Small Municipal Separate Storm Sewer Systems**

Expiration Date: March 31, 2014

Issue Date: February 20, 2009

Effective Date: April 1, 2009

In compliance with the provisions of the Illinois Environmental Protection Act, the Illinois Pollution Control Board Rules and Regulations (35 Ill. Adm. Code, Subtitle C, Chapter 1) and the Clean Water Act, the following discharges may be authorized by this permit in accordance with the conditions herein:

Discharges of only storm water from small municipal separate storm sewer systems, as defined and limited herein. Storm water means storm water runoff, snow melt runoff, and surface runoff and drainage.

Receiving waters: Discharges may be authorized to any surface water of the State.

To receive authorization to discharge under this general permit, a facility operator must submit an application as described in the permit conditions to the Illinois Environmental Protection Agency. Authorization, if granted, will be by letter and include a copy of this permit.



Alan Keller, P.E.
Manager, Permit Section
Division of Water Pollution Control

CONTENTS OF THIS GENERAL PERMIT

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PART VI. DEFINITIONS AND ACRONYMS.....	Page 10
ATTACHMENT H. STANDARD CONDITIONS.....	Page 12

PART I. COVERAGE UNDER THIS PERMIT

A. Permit Area

This permit covers all areas of the State of Illinois.

B. Eligibility

- This permit authorizes discharges of storm water from small municipal separate storm sewer systems (MS4s) as defined in 40 CFR 122.26(b)(16) as designated for permit authorization pursuant to 40 CFR 122.32.
- This permit authorizes the following non-storm water discharges provided they have been determined not to be substantial contributors of pollutants to a particular small MS4 applying for coverage under this permit:
 - water line and fire hydrant flushing,
 - landscape irrigation water,
 - rising ground waters,
 - ground water infiltration,
 - pumped ground water,
 - discharges from potable water sources, (excluding wastewater discharges from water supply treatment plants)
 - foundation drains,
 - air conditioning condensate,
 - irrigation water, (except for wastewater irrigation),
 - springs,
 - water from crawl space pumps,
 - footing drains,
 - storm sewer cleaning water,
 - water from individual residential car washing,
 - routine external building washdown which does not use detergents,
 - flows from riparian habitats and wetlands,
 - dechlorinated pH neutral swimming pool discharges,
 - residual street wash water,
 - discharges or flows from fire fighting activities
 - dechlorinated water reservoir discharges, and
 - pavement washwaters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed).
- Any municipality covered by this general permit is also granted automatic coverage under Permit No. ILR10 for the discharge of storm water associated with construction site activities for municipal construction projects disturbing one acre or more. The permittee is granted automatic coverage 30 days after Agency receipt of a Notice of Intent to Discharge Storm Water from Construction Site Activities from the permittee. The Agency will provide public notification of the construction site activity and assign a unique permit number for each project during this period. The permittee shall comply with all the requirements of Permit ILR10 for all such construction projects.

C. Limitations on Coverage

The following discharges are not authorized by this permit:

General NPDES Permit No. ILR10

Illinois Environmental Protection Agency
 Division of Water Pollution Control
 1021 North Grand Avenue East
 Post Office Box 19276
 Springfield, Illinois 62794-9276
www.epa.state.il.us

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

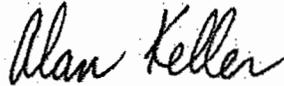
General NPDES Permit
 For
 Storm Water Discharges From Construction Site Activities

Expiration Date: July 31, 2013

Issue Date: August 11, 2008

Effective Date: August 11, 2008

In compliance with the provisions of the Illinois Environmental Protection Act, the Illinois Pollution Control Board Rules and Regulations (35 Ill. Adm. Code, Subtitle C, Chapter I), and the Clean Water Act, and the regulations thereunder the following discharges are authorized by this permit in accordance with the conditions and attachments herein.



Alan Keller, P.E.
 Manager, Permit Section
 Division of Water Pollution Control

Part I. COVERAGE UNDER THIS PERMIT

- A. **Permit Area.** The permit covers all areas of the State of Illinois with discharges to any waters of the State.
- B. **Eligibility.**
1. This permit shall authorize all discharges of storm water associated with industrial activity from construction sites that will result in the disturbance of one or more acres total land area, construction sites less than one acre of total land that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb one or more acres total land area. This permit also authorizes discharges from construction sites designated by the Agency that have the potential for contribution to a violation of water quality standards or significant contribution of pollutants to waters of the State, occurring after the effective date of this permit (including discharges occurring after the effective date of this permit are also authorized by this permit, except for discharges identified under Part I.B.3 (Limitations on Coverage).
 2. This permit may only authorize a storm water discharge associated with industrial activity from a construction site that is mixed with a storm water discharge from an industrial source other than construction, where:
 - a. the industrial source other than construction is located on the same site as the construction activity;
 - b. storm water discharges associated with industrial activity from the areas of the site where construction activities are occurring are in compliance with the terms of this permit; and
 - c. storm water discharges associated with industrial activity from the areas of the site where industrial activity other than construction are occurring (including storm water discharges from dedicated asphalt plants and dedicated concrete plants) are covered by a different NPDES general permit or individual permit authorizing such discharges.
 3. **Limitations on Coverage.** The following storm water discharges from construction sites are not authorized by this permit:
 - a. storm water discharges associated with industrial activity that originate from the site after construction activities have been completed and the site has undergone final stabilization;

- b. discharges that are mixed with sources of non-storm water other than discharges identified in Part III.A (Prohibition on Non-Storm Water Discharges) of this permit and in compliance with paragraph IV.D.5 (Non-Storm Water Discharges) of this permit;
- c. storm water discharges associated with industrial activity that are subject to an existing NPDES individual or general permit or which are issued a permit in accordance with Part VI.N (Requiring an Individual Permit or an Alternative General Permit) of this permit. Such discharges may be authorized under this permit after an existing permit expires provided the existing permit did not establish numeric limitations for such discharges;
- d. storm water discharges from construction sites that the Agency has determined to be or may reasonably be expected to be contributing to a violation of a water quality standard; and
- e. Storm water discharges that the Agency, at its discretion, determines are not appropriately authorized or controlled by this general permit.
- f. Storm water discharges to any receiving water specified under 35 Ill. Adm. Code 302.105(d)(6).

C. Authorization.

1. In order for storm water discharges from construction sites to be authorized to discharge under this general permit a discharger must submit a Notice of Intent (NOI) in accordance with the requirements of Part II below, using an NOI form provided by the Agency.
2. Where a new contractor is selected after the submittal of an NOI under Part II below, a new Notice of Intent (NOI) must be submitted by the owner in accordance with Part II.
3. For projects that have complied with State law on historic preservation and endangered species prior to submittal of the NOI, through coordination with the Illinois Historic Preservation Agency and the Illinois Department of Natural Resources or through fulfillment of the terms of interagency agreements with those agencies, the NOI shall indicate that such compliance has occurred.
4. Unless notified by the Agency to the contrary, dischargers who submit an NOI in accordance with the requirements of this permit are authorized to discharge storm water from construction sites under the terms and conditions of this permit in 30 days after the date the NOI is received by the Agency.
5. The Agency may deny coverage under this permit and require submittal of an application for an individual NPDES permit based on a review of the NOI or other information.

Part II. NOTICE OF INTENT REQUIREMENTS

A. Deadlines for Notification.

1. To receive authorization under this general permit, a discharger must submit a completed Notice of Intent (NOI) in accordance with Part VI.G (Signatory Requirements) and the requirements of this Part in sufficient time to allow a 30 day review period after the receipt of the NOI by the Agency and the start of construction. The completed NOI may be submitted electronically to the following email address: epa.constfir1cswppp@illinois.gov
2. Discharges that were previously covered by a valid General NPDES Permit for Storm Water Discharges from Construction Site Activities are automatically covered by this permit.
3. A discharger may submit an NOI in accordance with the requirements of this Part after the start of construction. In such instances, the Agency may bring an enforcement action for any discharges of storm water associated with industrial activity from a construction site that have occurred on or after the start of construction.

B. **Failure to Notify.** Dischargers who fail to notify the Agency of their intent to be covered, and discharge storm water associated with construction site activity to Waters of the State without an NPDES permit, are in violation of the Environmental Protection Act and Clean Water Act.

C. **Contents of Notice of Intent.** The Notice of Intent shall be signed in accordance with Part VI.G (Signatory Requirements) of this permit by all of the entities identified in paragraph 2 below and shall include the following information:

1. The mailing address, and location of the construction site for which the notification is submitted. Where a mailing address for the site is not available, the location can be described in terms of the latitude and longitude of the approximate center of the facility to the nearest 15 seconds, or the nearest quarter section (if the section, township and range is provided) that the construction site is located in;
2. The owner's name, address, telephone number, and status as Federal, State, private, public or other entity;
3. The name, address and telephone number of the general contractor(s) that have been identified at the time of the NOI submittal;
4. The name of the receiving water(s), or if the discharge is through a municipal separate storm sewer, the name of the municipal operator of the storm sewer and the ultimate receiving water(s);
5. The number of any NPDES permit for any discharge (including non-storm water discharges) from the site that is currently authorized by an NPDES permit;

6. A description of the project, detailing the complete scope of the project, estimated timetable for major activities and an estimate of the number of acres of the site on which soil will be disturbed; and
7. An electronic copy of the storm water pollution prevention plan that has been prepared for the site in accordance with Part IV of this permit. The electronic copy shall be submitted to the Agency at the following email address: epa.constit10swppp@illinois.gov

D. Where to Submit.

1. Facilities which discharge storm water associated with construction site activity must use an NOI form provided by the Agency. NOIs must be signed in accordance with Part VI.G (Signatory Requirements) of this permit. NOIs and the applicable fee for construction site activities are to be submitted by certified mail to the Agency at the following address:

Illinois Environmental Protection Agency
 Division of Water Pollution Control, Mail Code #15
 Attention: Permit Section
 1021 North Grand Avenue East
 Post Office Box 19276
 Springfield, Illinois 62794-9276

The completed NOI and SWPPP may be submitted electronically to the following email address: epa.constit10swppp@illinois.gov

2. A copy of the letter of notification of coverage along with the General NPDES Permit for Storm Water Discharges from Construction Site Activities or other indication that storm water discharges from the site are covered under an NPDES permit shall be posted at the site in a prominent place for public viewing (such as alongside a building permit).
- E. Additional Notification.** Facilities which are operating under approved local sediment and erosion plans, grading plans, or storm water management plans, in addition to filing copies of the Notice of Intent in accordance with Part D above, shall also submit signed copies of the Notice of Intent to the local agency approving such plans in accordance with the deadlines in Part A above. See Part IV.D.2.d (Approved State or Local Plans).
- F. Notice of Termination.** Where a site has been finally stabilized and all storm water discharges from construction sites that are authorized by this permit are eliminated, the permittee of the facility must submit a completed Notice of Termination that is signed in accordance with Part VI.G (Signatory Requirements) of this permit.

1. The Notice of Termination shall include the following information:

- a. The mailing address, and location of the construction site for which the notification is submitted. Where a mailing address for the site is not available, the location can be described in terms of the latitude and longitude of the approximate center of the facility to the nearest 15 seconds, or the nearest quarter section (if the section, township and range is provided) that the construction site is located in;
- b. The owner's name, address, telephone number, and status as Federal, State, private, public or other entity;
- c. The name, address and telephone number of the general contractor(s); and
- d. The following certification signed in accordance with Part VI.G (Signatory Requirements) of this permit:

"I certify under penalty of law that all storm water discharges associated with construction site activity from the identified facility that are authorized by NPDES general permit ILR10 have otherwise been eliminated. I understand that by submitting this notice of termination, that I am no longer authorized to discharge storm water associated with construction site activity by the general permit, and that discharging pollutants in storm water associated with construction site activity to Waters of the State is unlawful under the Environmental Protection Act and Clean Water Act where the discharge is not authorized by a NPDES permit. I also understand that the submittal of this notice of termination does not release an operator from liability for any violations of this permit or the Clean Water Act."

For the purposes of this certification, elimination of storm water discharges associated with industrial activity means that all disturbed soils at the identified facility have been finally stabilized and temporary erosion and sediment control measures have been removed or will be removed at an appropriate time, or that all storm water discharges associated with construction activities from the identified site that are authorized by a NPDES general permit have otherwise been eliminated.

2. All Notices of Termination are to be sent to the Agency to the mailing address in Part II.D.1, using the form provided by the Agency.

Part III. SPECIAL CONDITIONS, MANAGEMENT PRACTICES, AND OTHER NON-NUMERIC LIMITATIONS

A. Prohibition on Non-Storm Water Discharges.

1. Except as provided in Part I paragraph B.2 and paragraph 2 below, all discharges covered by this permit shall be composed entirely of storm water.
2. a. Except as provided in paragraph b below, discharges of materials other than storm water must be in compliance with a NPDES permit (other than this permit) issued for the discharge.

- b. The following non-storm water discharges may be authorized by this permit provided the non-storm water component of the discharges is in compliance with Part IV.D.5 (Non-Storm Water Discharges): discharges from fire fighting activities; fire hydrant flushings; waters used to wash vehicles where detergents are not used; waters used to control dust; potable water sources including uncontaminated waterline flushings; landscape irrigation drainages; routine external building washdown which does not use detergents; pavement washwaters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used; uncontaminated air conditioning condensate; springs; uncontaminated ground water; and foundation or footing drains where flows are not contaminated with process materials such as solvents.

B. Discharges into Receiving Waters With an Approved Total Maximum Daily Load (TMDL):

Discharges to waters for which there is a TMDL allocation for sediment or a parameter that addressed sediment (such as total suspended solids, turbidity, or siltation) are not eligible for coverage under this permit unless you develop and certify a SWPPP that is consistent with the assumptions and requirements in the approved TMDL. To be eligible for coverage under this general permit, operators must incorporate into their SWPPP any conditions applicable to their discharges necessary for consistency with the assumptions and requirements of the TMDL within any timeframes established in the TMDL. If a specific numeric waste load allocation has been established that would apply to the project's discharges, the operator must incorporate that allocation into its SWPPP and implement necessary steps to meet that allocation. Please refer to the Agency website at: <http://www.epa.state.il.us/water/tmdl/report-status.html>

- C. Discharges covered by this permit, alone or in combination with other sources, shall not cause or contribute to a violation of any applicable water quality standard.

Part IV. STORM WATER POLLUTION PREVENTION PLANS

A storm water pollution prevention plan shall be developed for each construction site covered by this permit. Storm water pollution prevention plans shall be prepared in accordance with good engineering practices. The plan shall identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges associated with construction site activity from the facility. In addition, the plan shall describe and ensure the implementation of best management practices which will be used to reduce the pollutants in storm water discharges associated with construction site activity and to assure compliance with the terms and conditions of this permit. Facilities must implement the provisions of the storm water pollution prevention plan required under this part as a condition of this permit.

A. Deadlines for Plan Preparation and Compliance.

The plan shall:

1. Be completed prior to the start of the construction to be covered under this permit and submitted electronically to the Agency; and
2. Provide for compliance with the terms and schedule of the plan beginning with the initiation of construction activities.

B. Signature, Plan Review and Notification.

1. The plan shall be signed in accordance with Part VI.G (Signatory Requirements), and be retained on-site at the facility which generates the storm water discharge in accordance with Part VI.E (Duty to Provide Information) of this permit.
2. Prior to commencement of construction, the permittee shall provide the plan to the Agency. Said plan shall be available at the site.
3. The permittee shall make plans available upon request from this Agency or a local agency approving sediment and erosion plans, grading plans, or storm water management plans; or in the case of a storm water discharge associated with industrial activity which discharges through a municipal separate storm sewer system with an NPDES permit, to the municipal operator of the system.
4. The Agency may notify the permittee at any time that the plan does not meet one or more of the minimum requirements of this Part. Such notification shall identify those provisions of the permit which are not being met by the plan, and identify which provisions of the plan require modifications in order to meet the minimum requirements of this part. Within 7 days from receipt of notification from the Agency, the permittee shall make the required changes to the plan and shall submit to the Agency a written certification that the requested changes have been made. Failure to comply shall terminate authorization under this permit.
5. All storm water pollution prevention plans and all completed inspection forms/reports required under this permit are considered reports that shall be available to the public at any reasonable time upon request. However, the permittee may claim any portion of a storm water pollution prevention plan as confidential in accordance with 40 CFR Part 2.

- C. **Keeping Plans Current.** The permittee shall amend the plan whenever there is a change in design, construction, operation, or maintenance, which has a significant effect on the potential for the discharge of pollutants to Waters of the State and which has not otherwise been addressed in the plan or if the storm water pollution prevention plan proves to be ineffective in eliminating or significantly minimizing pollutants from sources identified under paragraph D.2 below, or in otherwise achieving the general objectives of controlling pollutants in storm water discharges associated with construction site activity. In addition, the plan shall be amended to identify any new contractor and/or subcontractor that will implement a measure of the storm water pollution prevention plan. Amendments to the plan may be reviewed by the Agency in the same manner as Part IV.B above. Any revisions of the documents for the storm water pollution prevention plan shall be kept on site at all times.

D. Contents of Plan. The storm water pollution prevention plan shall include the following items:

1. **Site Description.** Each plan shall, provide a description of the following:
 - a. A description of the nature of the construction activity or demolition work;

- b. A description of the intended sequence of major activities which disturb soils for major portions of the site (e.g. clearing, grubbing, excavation, grading);
 - c. An estimate of the total area of the site and the total area of the site that is expected to be disturbed by excavation, grading, or other activities;
 - d. An estimate of the runoff coefficient of the site after construction activities are completed and existing data describing the soil or the quality of any discharge from the site;
 - e. A site map indicating drainage patterns and approximate slopes anticipated before and after major grading activities; locations where vehicles enter or exit the site and controls to prevent offsite sediment tracking, areas of soil disturbance, the location of major structural and nonstructural controls identified in the plan, the location of areas where stabilization practices are expected to occur, surface waters (including wetlands), and locations where storm water is discharged to a surface water; and
 - f. The name of the receiving water(s) and the ultimate receiving water(s), and areal extent of wetland acreage at the site.
2. **Controls.** Each plan shall include a description of appropriate controls that will be implemented at the construction site. The Illinois Urban Manual (<http://www.il.nrcs.usda.gov/technical/engineer/urban/index.html>) or other similar documents shall be used for developing the appropriate management practices, controls or revisions of the plan. The plan will clearly describe for each major activity identified in paragraph D.1 above, appropriate controls and the timing during the construction process that the controls will be implemented. (For example, perimeter controls for one portion of the site will be installed after the clearing and grubbing necessary for installation of the measure, but before the clearing and grubbing for the remaining portions of the site. Perimeter controls will be actively maintained until final stabilization of those portions of the site upward of the perimeter control. Temporary perimeter controls will be removed after final stabilization). The description of controls shall address as appropriate the following minimum components:
- a. **Erosion and Sediment Controls.**
 - (i) **Stabilization Practices.** A description of interim and permanent stabilization practices, including site-specific scheduling of the implementation of the practices. Site plans should ensure that existing vegetation is preserved where practicable and that disturbed portions of the site are stabilized. Stabilization practices may include: temporarily seeding, permanent seeding, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, preservation of mature vegetation, staged or staggered development, and other appropriate measures. A record of the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated shall be included in the plan. Except as provided in paragraphs (A) and (B) below, stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 7 days after the construction activity in that portion of the site has temporarily or permanently ceased as follows:
 - (A) Where the initiation of stabilization measures by the 7th day after construction activity temporarily or permanently ceases on a portion of the site is precluded by snow cover, stabilization measures shall be initiated as soon as practicable.
 - (B) Where construction activity will resume on a portion of the site within 14 days from when activities ceased, (e.g. the total time period that construction activity is temporarily ceased is less than 14 days) then stabilization measures do not have to be initiated on that portion of site by the 7th day after construction activity temporarily ceased.
 - (ii) **Structural Practices.** A description of structural practices utilized to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Such practices may include silt fences, earth dikes, drainage swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins. Structural practices should be placed on upland soils to the degree practicable. The installation of these devices may be subject to Section 404 of the CWA.
 - (iii) **Best Management Practices for Impaired Waters.** For any site which discharges directly to an impaired water identified on the Agency's website for 303(d) listing for suspended solids, turbidity, or siltation the storm water pollution prevention plan shall be designed for a storm event equal to or greater than a 25-year 24-hour rainfall event. If required by federal regulations or the Illinois Environmental Protection Agency's Illinois Urban Manual, the storm water pollution prevention plan shall adhere to a more restrictive design criteria. Please refer to the Agency's website at: (<http://www.epa.state.il.us/water/tmdl/303d-list.html>)
 - b. **Storm Water Management.** A description of measures that will be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. Structural measures should be placed on upland soils to the degree attainable. The installation of these devices may be subject to Section 404 of the CWA. This permit only addresses the installation of storm water management measures, and not the ultimate operation and maintenance of such structures after the construction activities have been completed and the site has undergone final stabilization. Permittees are responsible for only the installation and maintenance of storm water management measures prior to final stabilization of the site, and are not responsible for maintenance after storm water discharges associated with industrial activity have been eliminated from the site.
 - (i) Such practices may include: storm water detention structures (including wet ponds); storm water retention structures; flow attenuation by use of open vegetated swales and natural depressions; infiltration of runoff onsite; and sequential systems (which combine several practices). The storm water pollution prevention plan shall include an explanation of the technical basis used to select the practices to control pollution where flows exceed predevelopment levels.
 - (ii) Velocity dissipation devices shall be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are

maintained and protected (e.g. maintenance of hydrologic conditions, such as the hydroperiod and hydrodynamics present prior to the initiation of construction activities).

- (iii) Unless otherwise specified in the Illinois Environmental Protection Agency's Illinois Urban Manual, the storm water pollution prevention plan shall be designed for a storm event equal to or greater than a 25-year 24-hour rainfall event.

c. Other Controls.

- (i) **Waste Disposal.** No solid materials, including building materials, shall be discharged to Waters of the State, except as authorized by a Section 404 permit.
- (ii) The plan shall ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations.
- (iii) For construction sites that receive concrete or asphalt from off site locations, the plan must identify and include appropriate controls and measures to reduce or eliminate these discharges.

d. Approved State or Local Plans.

- (i) The management practices, controls and other provisions contained in the storm water pollution prevention plan must be at least as protective as the requirements contained in Illinois Environmental Protection Agency's Illinois Urban Manual, 2002. Facilities which discharge storm water associated with construction site activities must include in their storm water pollution prevention plan procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials. Requirements specified in sediment and erosion site plans or site permits or storm water management site plans or site permits approved by local officials that are applicable to protecting surface water resources are, upon submittal of an NOI to be authorized to discharge under this permit, incorporated by reference and are enforceable under this permit. The plans shall include all requirements of this permit and include more stringent standards required by any local approval. This provision does not apply to provisions of master plans, comprehensive plans, non-enforceable guidelines or technical guidance documents that are not identified in a specific plan or permit that is issued for the construction site.
- (ii) Dischargers seeking alternative permit requirements are not authorized by this permit and shall submit an individual permit application in accordance with 40 CFR 122.26 at the address indicated in Part II.D (Where to Submit) of this permit, along with a description of why requirements in approved local plans or permits should not be applicable as a condition of an NPDES permit.

- 3. **Maintenance.** The plan shall include a description of procedures to maintain in good and effective operating conditions vegetation, erosion and sediment control measures and other protective measures identified in the site plan.

- 4. **Inspections.** Qualified personnel (provided by the permittee) shall inspect disturbed areas of the construction site that have not been finally stabilized, structural control measures, and locations where vehicles enter or exit the site at least once every seven calendar days and within 24 hours of the end of a storm that is 0.5 inches or greater or equivalent snowfall. Qualified personnel means a person knowledgeable in the principles and practices of erosion and sediment control measures, such as a licensed Professional Engineer (P.E.), a Certified Professional in Erosion and Sediment Control (CPESC), a Certified Erosion Sediment and Storm Water Inspector (CESSWI) or other knowledgeable person who possesses the skills to assess conditions at the construction site that could impact storm water quality and to assess the effectiveness of any sediment and erosion control measures selected to control the quality of storm water discharges from the construction activities.

- a. Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of offsite sediment tracking.
- b. Based on the results of the inspection, the description of potential pollutant sources identified in the plan in accordance with Part IV.D.1 (Site Description) of this permit and pollution prevention measures identified in the plan in accordance with Part IV.D.2 (Controls) of this permit shall be revised as appropriate as soon as practicable after such inspection. Such modifications shall provide for timely implementation of any changes to the plan within 7 calendar days following the inspection.
- c. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the storm water pollution prevention plan, and actions taken in accordance with paragraph b above shall be made and retained as part of the storm water pollution prevention plan for at least three years from the date that the permit coverage expires or is terminated. All inspection reports shall be retained at the construction site. The report shall be signed in accordance with Part VI.G (Signatory Requirements) of this permit.
- d. The permittee shall notify the appropriate Agency Field Operations Section office by email at: epa.swnoncomp@illinois.gov, telephone or fax within 24 hours of any incidence of noncompliance for any violation of the storm water pollution prevention plan observed during any inspection conducted, or for violations of any condition of this permit. The permittee shall complete and submit within 5 days an "Incidence of Noncompliance" (ION) report for any violation of the storm water pollution prevention plan observed during any inspection conducted, or for violations of any condition of this permit. Submission shall be on forms provided by the Agency and include specific information on the cause of noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance.
- e. All reports of noncompliance shall be signed by a responsible authority as defined in Part VI.G (Signatory Requirements).

- f. After the initial contact has been made with the appropriate Agency Field Operations Section Office, all reports of noncompliance shall be mailed to the Agency at the following address:

Illinois Environmental Protection Agency
 Division of Water Pollution Control
 Compliance Assurance Section
 1021 North Grand Avenue East
 Post Office Box 19276
 Springfield, Illinois 62794-9276

5. **Non-Storm Water Discharges.** Except for flows from fire fighting activities, sources of non-storm water listed in Part III.A.2 of this permit that are combined with storm water discharges associated with industrial activity must be identified in the plan. The plan shall identify and insure the implementation of appropriate pollution prevention measures for the non-storm water component(s) of the discharge.
- E. **Additional requirements for storm water discharges from industrial activities other than construction, including dedicated asphalt plants, and dedicated concrete plants.** This permit may only authorize any storm water discharge associated with industrial activity from a construction site that is mixed with a storm water discharge from an industrial source other than construction, where:
1. The industrial source other than construction is located on the same site as the construction activity;
 2. Storm water discharges associated with industrial activity from the areas of the site where construction activities are occurring are in compliance with the terms of this permit; and
 3. Storm water discharges associated with industrial activity from the areas of the site where industrial activity other than construction are occurring (including storm water discharges from dedicated asphalt plants (other than asphalt emulsion facilities) and dedicated concrete plants) are in compliance with the terms, including applicable NOI or application requirements, of a different NPDES general permit or individual permit authorizing such discharges.
- F. **Contractors.**
1. The storm water pollution prevention plan must clearly identify for each measure identified in the plan, the contractor(s) or subcontractor(s) that will implement the measure. All contractors and subcontractors identified in the plan must sign a copy of the certification statement in paragraph 2 below in accordance with Part VI.G (Signatory Requirements) of this permit. All certifications must be included in the storm water pollution prevention plan except for owners that are acting as contractors.
 2. **Certification Statement.** All contractors and subcontractors identified in a storm water pollution prevention plan in accordance with paragraph 1 above shall sign a copy of the following certification statement before conducting any professional service at the site identified in the storm water pollution prevention plan:

"I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit (ILR10) that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification."

The certification must include the name and title of the person providing the signature in accordance with Part VI.G of this permit; the name, address and telephone number of the contracting firm; the address (or other identifying description) of the site; and the date the certification is made.

Part V. RETENTION OF RECORDS

- A. The permittee shall retain copies of storm water pollution prevention plans and all reports and notices required by this permit, and records of all data used to complete the Notice of Intent to be covered by this permit, for a period of at least three years from the date that the permit coverage expires or is terminated. This period may be extended by request of the Agency at any time.
- B. The permittee shall retain a copy of the storm water pollution prevention plan and any revisions to said plan required by this permit at the construction site from the date of project initiation to the date of final stabilization.

Part VI. STANDARD PERMIT CONDITIONS

- A. **Duty to Comply.** The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Illinois Environmental Protection Act and the CWA and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.
- B. **Continuation of the Expired General Permit.** This permit expires five years from the date of issuance. An expired general permit continues in force and effect until a new general permit or an individual permit is issued. Only those facilities authorized to discharge under the expiring general permit are covered by the continued permit.
- C. **Need to halt or reduce activity not a defense.** It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.
- D. **Duty to Mitigate.** The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

- E. Duty to Provide Information.** The permittee shall furnish within a reasonable time to the Agency or local agency approving sediment and erosion control plans, grading plans, or storm water management plans; or in the case of a storm water discharge associated with industrial activity which discharges through a municipal separate storm sewer system with an NPDES permit, to the municipal operator of the system, any information which is requested to determine compliance with this permit. Upon request, the permittee shall also furnish to the Agency or local agency approving sediment and erosion control plans, grading plans, or storm water management plans; or in the case of a storm water discharge associated with industrial activity which discharges through a municipal separate storm sewer system with an NPDES permit, to the municipal operator of the system, copies of all records required to be kept by this permit.
- F. Other Information.** When the permittee becomes aware that he or she failed to submit any relevant facts or submitted incorrect information in the Notice of Intent or in any other report to the Agency, he or she shall promptly submit such facts or information.
- G. Signatory Requirements.** All Notices of Intent, storm water pollution prevention plans, reports, certifications or information either submitted to the Agency or the operator of a large or medium municipal separate storm sewer system, or that this permit requires be maintained by the permittee, shall be signed.
1. All Notices of Intent shall be signed as follows:
 - a. For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means: (1) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function; or any other person who performs similar policy or decision-making functions for the corporation; or (2) any person authorized to sign documents that has been assigned or delegated said authority in accordance with corporate procedures;
 - b. For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
 - c. For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes (1) the chief executive officer of the agency, or (2) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.
 2. All reports required by the permit and other information requested by the Agency shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - a. The authorization is made in writing by a person described above and submitted to the Agency.
 - b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of manager, operator, superintendent, or position of equivalent responsibility or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position).
 - c. **Changes to Authorization.** If an authorization under Part I.C (Authorization) is no longer accurate because a different individual or position has responsibility for the overall operation of the construction site, a new authorization satisfying the requirements of Part I.C must be submitted to the Agency prior to or together with any reports, information, or applications to be signed by an authorized representative.
 - d. **Certification.** Any person signing documents under this Part shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."
- H. Penalties for Falsification of Reports.** Section 309(c)(4) of the Clean Water Act provides that any person who knowingly makes any false material statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than \$10,000, or by imprisonment for not more than 2 years, or by both. Section 44(j)(4) and (5) of the Environmental Protection Act provides that any person who knowingly makes any false statement, representation, or certification in an application form, or form pertaining to a NPDES permit commits a Class A misdemeanor, and in addition to any other penalties provided by law is subject to a fine not to exceed \$10,000 for each day of violation.
- I. Penalties for Falsification of Monitoring Systems.** The CWA provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by fines and imprisonment described in Section 309 of the CWA. The Environmental Protection Act provides that any person who knowingly renders inaccurate any monitoring device or record required in connection with any NPDES permit or with any discharge which is subject to the provisions of subsection (f) of Section 12 of the Act commits a Class A misdemeanor, and in addition to any other penalties provided by law is subject to a fine not to exceed \$10,000 for each day of violation.
- J. Oil and Hazardous Substance Liability.** Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under section 311 of the CWA.
- K. Property Rights.** The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.
- L. Severability.** The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

- M. **Transfers.** This permit is not transferable to any person except after notice to the Agency. The Agency may require the discharger to apply for and obtain an individual NPDES permit as stated in Part I.C (Authorization).
- N. **Requiring an Individual Permit or an Alternative General Permit.**
1. The Agency may require any person authorized by this permit to apply for and/or obtain either an individual NPDES permit or an alternative NPDES general permit. Any interested person may petition the Agency to take action under this paragraph. Where the Agency requires a discharger authorized to discharge under this permit to apply for an individual NPDES permit, the Agency shall notify the discharger in writing that a permit application is required. This notification shall include a brief statement of the reasons for this decision, an application form, a statement setting a deadline for the discharger to file the application, and a statement that on the effective date of the individual NPDES permit or the alternative general permit as it applies to the individual permittee, coverage under this general permit shall automatically terminate. Applications shall be submitted to the Agency indicated in Part II.D (Where to Submit) of this permit. The Agency may grant additional time to submit the application upon request of the applicant. If a discharger fails to submit in a timely manner an individual NPDES permit application as required by the Agency under this paragraph, then the applicability of this permit to the individual NPDES permittee is automatically terminated at the end of the day specified by the Agency for application submittal. The Agency may require an individual NPDES permit based on:
 - a. information received which indicates the receiving water may be of particular biological significance pursuant to 35 Ill. Adm. Code 302.105(d)(6);
 - b. whether the receiving waters are impaired waters for suspended solids, turbidity or siltation as identified by the Agency's 303(d) listing;
 - c. size of construction site, proximity of site to the receiving stream, etc.

The Agency may also require monitoring of any storm water discharge from any site to determine whether an individual permit is required.
 2. Any discharger authorized by this permit may request to be excluded from the coverage of this permit by applying for an individual permit. In such cases, the permittee shall submit an individual application in accordance with the requirements of 40 CFR 122.26(c)(1)(ii), with reasons supporting the request, to the Agency at the address indicated in Part II.D (Where to Submit) of this permit. The request may be granted by issuance of any individual permit or an alternative general permit if the reasons cited by the permittee are adequate to support the request.
 3. When an individual NPDES permit is issued to a discharger otherwise subject to this permit, or the discharger is authorized to discharge under an alternative NPDES general permit, the applicability of this permit to the individual NPDES permittee is automatically terminated on the effective date of the individual permit or the date of authorization of coverage under the alternative general permit, whichever the case may be. When an individual NPDES permit is denied to a discharger otherwise subject to this permit, or the discharger is denied for coverage under an alternative NPDES general permit, the applicability of this permit to the individual NPDES permittee remains in effect, unless otherwise specified by the Agency.
- O. **State/Environmental Laws.** No condition of this permit shall release the permittee from any responsibility or requirements under other environmental statutes or regulations.
- P. **Proper Operation and Maintenance.** The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit and with the requirements of storm water pollution prevention plans. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. Proper operation and maintenance requires the operation of backup or auxiliary facilities or similar systems, installed by a permittee only when necessary to achieve compliance with the conditions of the permit.
- Q. **Inspection and Entry.** The permittee shall allow the IEPA, or an authorized representative upon presentation of credentials and other documents as may be required by law, to:
 1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
 2. Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit;
 3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
 4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.
- R. **Permit Actions.** This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

Part VII. REOPENER CLAUSE

- A. If there is evidence indicating potential or realized impacts on water quality due to any storm water discharge associated with industrial activity covered by this permit, the discharger may be required to obtain an individual permit or an alternative general permit in accordance with Part I.C (Authorization) of this permit or the permit may be modified to include different limitations and/or requirements.
- B. Permit modification or revocation will be conducted according to provisions of 35 Ill. Adm. Code, Subtitle C, Chapter I and the provisions of 40 CFR 122.62, 122.63, 122.64 and 124.5 and any other applicable public participation procedures.

C. The Agency will reopen and modify this permit under the following circumstances:

1. the U.S. EPA amends its regulations concerning public participation;
2. a court of competent jurisdiction binding in the State of Illinois or the 7th Circuit Court of Appeals issues an order necessitating a modification of public participation for general permits; or
3. to incorporate federally required modifications to the substantive requirements of this permit.

Part VIII. DEFINITIONS

"Agency" means the Illinois Environmental Protection Agency.

"Best Management Practices" ("BMPs") means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the United States. BMPs also include treatment requirements, operating procedures, and practices to control construction site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

"Commencement of Construction or Demolition Activities" The initial disturbance of soils associated with clearing, grading, or excavating activities or other construction or demolition activities.

"CWA" means Clean Water Act (formerly referred to as the Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972) Pub. L. 92-500, as amended Pub. L. 95-217, Pub. L. 95-576, Pub. L. (96-483 and Pub. L. 97-117, 33 U.S.C. 1251 et seq.).

"Dedicated portable asphalt plant" A portable asphalt plant that is located on or contiguous to a construction site and that provides asphalt only to the construction site that the plant is located on or adjacent to. The term dedicated portable asphalt plant does not include facilities that are subject to the asphalt emulsion effluent limitation guideline at 40 CFR 443.

"Dedicated portable concrete plant" A portable concrete plant that is located on or contiguous to a construction site and that provides concrete only to the construction site that the plant is located on or adjacent to.

"Dedicated sand or gravel operation" An operation that produces sand and/or gravel for a single construction project.

"Director" means the Director of the Illinois Environmental Protection Agency or an authorized representative.

"Final Stabilization" means that all soil disturbing activities at the site have been completed, and either of the two following conditions are met:

- (i) A uniform (e.g., evenly distributed, without large bare areas) perennial vegetative cover with a density of 70 percent of the native background vegetative cover for the area has been established on all unpaved areas and areas not covered by permanent structures, or
- (ii) Equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed.

For individual lots in residential construction, final stabilization means that either:

- (i) The homebuilder has completed final stabilization as specified above, or
- (ii) The homebuilder has established temporary stabilization including perimeter controls for an individual lot prior to occupation of the home by the homeowner and informing the homeowner of the need for, and benefits of, final stabilization.

"Large and Medium municipal separate storm sewer system" means all municipal separate storm sewers that are either:

- (i) Located in an incorporated place (city) with a population of 100,000 or more as determined by the latest Decennial Census by the Bureau of Census (these cities are listed in Appendices F and G of 40 CFR Part 122); or
- (ii) Located in the counties with unincorporated urbanized populations of 100,000 or more, except municipal separate storm sewers that are located in the incorporated places, townships or towns within such counties (these counties are listed in Appendices H and I of 40 CFR Part 122); or
- (iii) Owned or operated by a municipality other than those described in paragraph (i) or (ii) and that are designated by the Director as part of the large or medium municipal separate storm sewer system.

"NOI" means notice of intent to be covered by this permit (see Part II of this permit.)

"Point Source" means any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged. This term does not include return flows from irrigated agriculture or agricultural storm water runoff.

"Runoff coefficient" means the fraction of total rainfall that will appear at the conveyance as runoff.

"Storm Water" means storm water runoff, snow melt runoff, and surface runoff and drainage.

"Storm Water Associated with Industrial Activity" means the discharge from any conveyance which is used for collecting and conveying storm water and which is directly related to manufacturing, processing or raw materials storage areas at an industrial plant. The term does not include discharges from facilities or activities excluded from the NPDES program. For the categories of industries identified in subparagraphs (i) through (x) of this subsection, the term includes, but is not limited to, storm water discharges from industrial plant yards; immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility; material handling sites; refuse sites; sites used for the application or disposal of process waste waters (as defined at 40 CFR 401); sites used for the storage and maintenance of material handling equipment; sites used for residual treatment, storage, or disposal; shipping and receiving areas; manufacturing buildings; storage areas (including tank farms) for raw materials, and intermediate and finished products; and areas where industrial activity has taken place in the past and significant materials remain and are exposed to storm water. For the categories of industries identified in subparagraph (xi), the term includes only storm water discharges from all areas listed in the previous sentence (except access roads) where material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, or industrial machinery are exposed to storm water. For the purposes of this paragraph, material handling activities include the storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, finished product, by-product or waste product. The term excludes areas located on plant lands separate from the plant's industrial activities, such as office buildings and accompanying parking lots as long as the drainage from the excluded areas is not mixed with storm water drained from the above described areas. Industrial facilities (including industrial facilities that are Federally or municipally owned or operated that meet the description of the facilities listed in this paragraph (i)-(xi)) include those facilities designated under 40 CFR 122.26(a)(1)(v). The following categories of facilities are considered to be engaging in "industrial activity" for purposes of this subsection:

- (i) Facilities subject to storm water effluent limitations guidelines, new source performance standards, or toxic pollutant effluent standards under 40 CFR Subchapter N (except facilities with toxic pollutant effluent standards which are exempted under category (xi) of this paragraph);
- (ii) Facilities classified as Standard Industrial Classifications 24 (except 2434), 26 (except 265 and 267), 28, 29, 311, 32, 33, 3441, 373;
- (iii) Facilities classified as Standard Industrial Classifications 10 through 14 (mineral industry) including active or inactive mining operations (except for areas of coal mining operations meeting the definition of a reclamation area under 40 CFR 434.11(l)) and oil and gas exploration, production, processing, or treatment operations, or transmission facilities that discharge storm water contaminated by contact with or that has come into contact with, any overburden, raw material, intermediate products, finished products, byproducts or waste products located on the site of such operations; inactive mining operations are mining sites that are not being actively mined, but which have an identifiable owner/operator;
- (iv) Hazardous waste treatment, storage, or disposal facilities, including those that are operating under interim status or a permit under Subtitle C of RCRA;
- (v) Landfills, land application sites, and open dumps that have received any industrial wastes (waste that is received from any of the facilities described under this subsection) including those that are subject to regulation under Subtitle D of RCRA;
- (vi) Facilities involved in the recycling of materials, including metal scrapyards, battery reclaimers, salvage yards, and automobile junkyards, including but limited to those classified as Standard Industrial Classification 5015 and 5093;
- (vii) Steam electric power generating facilities, including coal handling sites;
- (viii) Transportation facilities classified as Standard Industrial Classifications 40, 41, 42, 44, and 45 which have vehicle maintenance shops, equipment cleaning operations, or airport deicing operations. Only those portions of the facility that are either involved in vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication), equipment cleaning operations, airport deicing operations, or which are otherwise identified under subparagraphs (i)-(vii) or (ix)-(xi) of this subsection are associated with industrial activity;
- (ix) Treatment works treating domestic sewage or any other sewage sludge or wastewater treatment device or system, used in the storage treatment, recycling, and reclamation of municipal or domestic sewage, including land dedicated to the disposal of sewage sludge that are located within the confines of the facility, with a design flow of 1.0 mgd or more, or required to have an approved pretreatment program under 40 CFR 403. Not included are farm lands, domestic gardens or lands used for sludge management where sludge is beneficially reused and which are not physically located in the confines of the facility, or areas that are in compliance with 40 CFR 503;
- (x) Construction activity including clearing, grading and excavation activities except operations that result in the disturbance of less than one acre of total land area which are not part of a larger common plan of development or sale unless otherwise designated by the Agency pursuant to Part I.B.1.
- (xi) Facilities under Standard Industrial Classifications 20, 21, 22, 23, 2434, 25, 265, 267, 27, 283, 31 (except 311), 34 (except 3441), 35, 36, 37 (except 373), 38, 39, 4221-25, (and which are not otherwise included within categories (i)-(x)).

"Waters" mean all accumulations of water, surface and underground, natural, and artificial, public and private, or parts thereof, which are wholly or partially within, flow through, or border upon the State of Illinois, except that sewers and treatment works are not included except as specially mentioned; provided, that nothing herein contained shall authorize the use of natural or otherwise protected waters as sewers or treatment works except that in-stream aeration under Agency permit is allowable.



Illinois Environmental Protection Agency

Bureau of Water • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Division of Water Pollution Control Notice of Intent (NOI) for General Permit to Discharge Storm Water Associated with Construction Site Activities

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Permit Section at the above address.

For Office Use Only

OWNER INFORMATION

Permit No. ILR10 _____

Company/Owner Name: _____
Mailing Address: _____ Phone: _____
City: _____ State: _____ Zip: _____ Fax: _____
Contact Person: _____ E-mail: _____
Owner Type (select one) _____

CONTRACTOR INFORMATION

MS4 Community: Yes No

Contractor Name: _____
Mailing Address: _____ Phone: _____
City: _____ State: _____ Zip: _____ Fax: _____

CONSTRUCTION SITE INFORMATION

Select One: New Change of information for: ILR10 _____
Project Name: _____ County: _____
Street Address: _____ City: _____ IL Zip: _____
Latitude: _____ Longitude: _____
(Deg) (Min) (Sec) (Deg) (Min) (Sec) Section Township Range
Approximate Construction Start Date _____ Approximate Construction End Date _____

Total size of construction site in acres: _____
If less than 1 acre, is the site part of a larger common plan of development?
 Yes No

Fee Schedule for Construction Sites:
Less than 5 acres - \$250
5 or more acres - \$750

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

Has the SWPPP been submitted to the Agency? Yes No
(Submit SWPPP electronically to: epa.constit10swppp@illinois.gov)

Location of SWPPP for viewing: Address: _____ City: _____
SWPPP contact information: _____ Inspector qualifications: _____
Contact Name: _____
Phone: _____ Fax: _____ E-mail: _____
Project inspector, if different from above _____ Inspector qualifications: _____
Inspector's Name: _____
Phone: _____ Fax: _____ E-mail: _____

TYPE OF CONSTRUCTION (select one)

Construction Type _____

SIC Code: _____

Type a detailed description of the project:

HISTORIC PRESERVATION AND ENDANGERED SPECIES COMPLIANCE

Has the project been submitted to the following state agencies to satisfy applicable requirements for compliance with Illinois law on:

Historic Preservation Agency Yes No

Endangered Species Yes No

RECEIVING WATER INFORMATION

Does your storm water discharge directly to: Waters of the State or Storm Sewer

Owner of storm sewer system: _____

Name of closest receiving water body to which you discharge: _____

Mail completed form to: Illinois Environmental Protection Agency
Division of Water Pollution Control
Attn: Permit Section
Post Office Box 19276
Springfield, Illinois 62794-9276
or call (217) 782-0610
FAX: (217) 782-9891

Or submit electronically to: epa.constilr10swppp@illinois.gov

I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage this system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, I certify that the provisions of the permit, including the development and implementation of a storm water pollution prevention plan and a monitoring program plan, will be complied with.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Owner Signature:

Date:

Printed Name:

Title:

INSTRUCTIONS FOR COMPLETION OF CONSTRUCTION ACTIVITY NOTICE OF INTENT (NOI) FORM

Submit original, electronic or facsimile copies. Facsimile and/or electronic copies should be followed-up with submission of an original signature copy as soon as possible. Please write "copy" under the "For Office Use Only" box in the upper right hand corner of the first page.

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Permit Section at:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Permit Section
Post Office Box 19276
Springfield, Illinois 62794-9276
or call (217) 782-0610
FAX: (217) 782-9891.

Or submit electronically to: epa.constilr10swppp@illinois.gov

Reports must be typed or printed legibly and signed.

Any facility that is not presently covered by the General NPDES Permit for Storm Water Discharges From Construction Site Activities is considered a new facility.

If this is a change in your facility information, renewal, etc., please fill in your permit number on the appropriate line, changes of information or permit renewal notifications do not require a fee.

NOTE: FACILITY LOCATION IS NOT NECESSARILY THE FACILITY MAILING ADDRESS, BUT SHOULD DESCRIBE WHERE THE FACILITY IS LOCATED.

Use the formats given in the following examples for correct form completion.

	Example	Format
Section	12	1 or 2 numerical digits
Township	12N	1 or 2 numerical digits followed by "N" or "S"
Range	12W	1 or 2 numerical digits followed by "E" or "W"

For the Name of Closest Receiving Waters, do not use terms such as ditch or channel. For unnamed tributaries, use terms which include at least a named main tributary such as "Unnamed Tributary to Sugar Creek to Sangamon River."

Submission of initial fee and an electronic submission of Storm Water Pollution Prevention Plan (SWPPP) for Initial Permit prior to the Notice of Intent being considered complete for coverage by the ILR10 General Permits. Please make checks payable to: Illinois EPA at the above address.

Construction sites with less than 5 acres of land disturbance - fee is \$250.

Construction sites with 5 or more acres of land disturbance - fee is \$750.

SWPPP should be submitted electronically to: epa.constilr10swppp@illinois.gov When submitting electronically, use Project Name and City as indicated on NOI form.



Illinois Environmental Protection Agency

Bureau of Water • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Division of Water Pollution Control NOTICE OF TERMINATION (NOT)

of Coverage under the General Permit for Storm Water Discharges Associated with Construction Site Activities

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Permit Section at the above address.

OWNER INFORMATION

Permit No. ILR10 _____

Owner Name: _____

Owner Type (select one) _____

Mailing Address: _____ Phone: _____

City: _____ State: _____ Zip: _____ Fax: _____

Contact Person: _____ E-mail: _____

CONTRACTOR INFORMATION

Contractor Name: _____

Mailing Address: _____ Phone: _____

City: _____ State: _____ Zip: _____ Fax: _____

CONSTRUCTION SITE INFORMATION

Facility Name: _____

Street Address: _____

City: _____ IL Zip: _____ County: _____

NPDES Storm Water General Permit Number: ILR10 _____

Latitude: _____ Longitude: _____
(Deg) (Min) (Sec) (Deg) (Min) (Sec) Section Township Range

DATE PROJECT HAS BEEN COMPLETED AND STABILIZED: _____

NOTE: Coverage under this permit cannot be terminated without the completion date.

I certify under penalty of law that disturbed soils at the identified facility have been finally stabilized or that all storm water discharges associated with industrial activity from the identified facility that are authorized by an NPDES general permit have otherwise been eliminated. I understand that by submitting this notice of termination, that I am no longer authorized to discharge storm water associated with industrial activity by the general permit, and that discharging pollutants in storm water associated with industrial activity to Waters of the State is unlawful under the Environmental Protection Act and the Clean Water Act where the discharge is not authorized by an NPDES Permit.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Owner Signature: _____ Date: _____

Mail completed form to: Illinois Environmental Protection Agency
Division of Water Pollution Control, Attn: Permit Section
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9276

(Do not submit additional documentation unless requested)

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

GUIDELINES FOR COMPLETION OF NOTICE OF TERMINATION (NOT) FORM

Please adhere to the following guidelines:

Submit original, electronic or facsimile copies. Facsimile and/or electronic copies should be followed-up with submission of an original signature copy as soon as possible.

Submit completed forms to:

Illinois Environmental Protection Agency
 Division of Water Pollution Control, Attn: Permit Section
 1021 North Grand Avenue East
 P.O. Box 19276
 Springfield, Illinois 62794-9276
 or call (217) 782-0610
 FAX: (217) 782-9891

Or submit electronically to: epa.constilr10swppp@illinois.gov

Reports must be typed or printed legibly and signed.

NOTE: FACILITY LOCATION IS NOT NECESSARILY THE FACILITY MAILING ADDRESS, BUT SHOULD DESCRIBE WHERE THE FACILITY IS LOCATED.

Use the formats given in the following examples for correct form completion.

	Example	Format
Section	12	1 or 2 numerical digits
Township	12N	1 or 2 numerical digits followed by "N" or "S"
Range	12W	1 or 2 numerical digits followed by "E" or "W"

Final stabilization has occurred when:

- (a) all soil disturbing activities at the site have been completed;
- (b) a uniform perennial vegetative cover with a density of 70% of the native background vegetative cover for the area has been established on all unpaved areas not covered by permanent structures; or
- (c) equivalent permanent stabilization measures have been employed.



Illinois Environmental Protection Agency

Bureau of Water • 1021 N. Grand Avenue E. • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Division of Water Pollution Control

Construction Site Storm Water Discharge Incidence of Non-Compliance (ION)

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. You may email this completed form to: epa.swnoncomp@illinois.gov

For Office Use Only
Permit No. ILR10

Permittee Information:

Name: _____
Street Address: _____ P.O. Box: _____
City: _____ State: IL Zip Code: _____ County: _____
Phone: _____ Email: _____

Construction Site Information:

Site Name: _____
Street Address: _____
City: _____ State: IL Zip Code: _____
Latitude: _____ Longitude: _____
(Deg) (Min) (Sec) (Deg) (Min) (Sec) Section Township Range
Cause of Non-Compliance

Actions Taken to Prevent Any Further Non-Compliance

Environmental Impact Resulting From the Non-Compliance

Actions Taken to Reduce the Environmental Impact Resulting From the Non-Compliance

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Owner Signature: _____

Date: _____

Printed Name: _____

Title: _____

IL 532 2105 WPC
624 Rev. 10/2011

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42) and may also prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

DIVISION OF WATER POLLUTION CONTROL
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
FIELD OPERATIONS SECTION

GUIDELINES FOR COMPLETION OF INCIDENCE OF NON-COMPLIANCE (ION) FORM

Complete and submit this form for any violation of the Storm Water Pollution Prevention Plan observed during any inspection conducted, including those not required by the SWPPP. Please adhere to the following guidelines:

Initial submission within 24 hours by email, telephone or fax (see region fax numbers) of any incidence of non-compliance for any violation. Submit email copy to: epa.swnoncomp@illinois.gov. After 24 hours notification, submit signed original ION within 5 days to the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance #19
Post Office Box 19276
Springfield, Illinois 62794-9276

FIELD OPERATIONS HEADQUARTERS
Bruce Yurdin, Manager
Phone: 217/782-3362 Fax: 217/785-1225
EMAIL: epa.swnoncomp@illinois.gov

Region 1 - ROCKFORD
Chuck Corley, Manager
Phone: 815/987-7760 Fax: 815/987-7005

Region 2 - DESPLAINES
Jay Patel, Manager
Phone: 847/294-4000 Fax: 847/294-4058

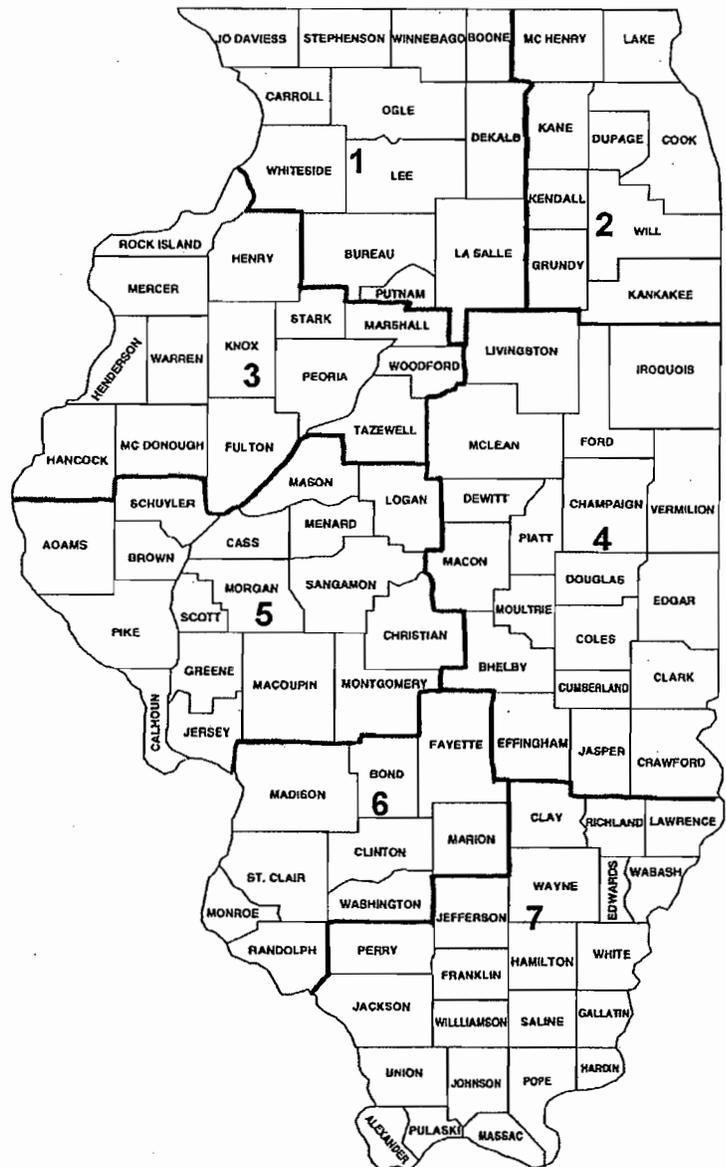
Region 3 - PEORIA
Jim Kammuller, Manager
Phone: 309/693-5463 Fax: 309/693-5467

Region 4 - CHAMPAIGN
Joe Koronkowski, Manager
Phone: 217/278-5800 Fax: 217/278-5808

Region 5 - SPRINGFIELD
Bruce Yurdin, FOS Manager
Phone: 217/782-3362 Fax: 217/785-1225

Region 6 - COLLINSVILLE
Bruce Yurdin, FOS Manager
Phone: 217/782-3362 Fax: 217/785-1225

Region 7- MARION
Byron Marks, Manager
Phone: 618/993-7200 Fax: 618/997-5467





COOK COUNTY
DEPARTMENT OF HIGHWAYS

Superintendent of Highways

Cook County Administration Building
69 West Washington Street 23rd Floor
Chicago, Illinois 60602-3007
Telephone (312) 603-1600-01/ Fax (312) 603-9945

National Pollutant Discharge Elimination System (NPDES)
Contractor Certification Statement

This certification statement is required as part of the National Pollutant Discharge Elimination System General Permit No. ILR10 issued by the Illinois Environmental Protection Agency and is part of the Storm Water Pollution Prevention Plan / Erosion Control Plan for this project. All Contractors and Subcontractors involved in the implementation of the erosion and sediment control plan must sign a Contractor Certification Statement before conducting any professional service at the site identified in the plan.

Project Information:

Road: _____
Limits: _____

Resident Engineer: _____

I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit ILR10 that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

Name (PRINT) of Contractor

Telephone Number

Signature

Company Name

Street Address

City State Zip



COOK COUNTY
DEPARTMENT OF HIGHWAYS

Superintendent of Highways

Cook County Administration Building
69 West Washington Street 23rd Floor
Chicago, Illinois 60602-3007
Telephone (312) 603-1600-01/ Fax (312) 603-9945

National Pollutant Discharge Elimination System (NPDES)
Soil Erosion and Sediment Control – Inspection Report

Road: _____

Section Number: _____

Limits: _____

Date of Inspection: _____

Type of Inspection: weekly after recent rainfall

Name of Inspector: _____

Time of Inspection: _____

Stage of Construction/Active work at time of inspection:

- | | | |
|---|--|---------------------------------------|
| <input type="checkbox"/> Pre-Construction Plan Review | <input type="checkbox"/> Trenching | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Clearing and Grubbing | <input type="checkbox"/> Sewer Installation | <input type="checkbox"/> _____ |
| <input type="checkbox"/> Rough Grading | <input type="checkbox"/> Paving | <input type="checkbox"/> _____ |
| <input type="checkbox"/> Finishing Grade | <input type="checkbox"/> Final Stabilization | <input type="checkbox"/> _____ |

- All temporary ditch checks have been installed as shown on plans Yes No
- Perimeter erosion barrier/silt fence is trenched in place and functioning as indicated on plans Yes No
- Silt fence has been placed around all stockpiles Yes No
- All storm sewer inlets have inlet protection Yes No
- Is sediment tracking from this construction project onto public roadways? Yes No
- Are adjacent properties and waterways being adequately protected from construction debris and sediment? Yes No
- All temporary soil erosion/sediment control BMPs *that are no longer needed* have been removed Yes No

The Contractor is hereby notified that the following corrective action must be taken:

Location: _____ Type of BMP: _____ Repair must occur by: _____
Describe correction to be made by Contactor: _____ (date/time)

Location: _____ Type of BMP: _____ Repair must occur by: _____
Describe correction to be made by Contactor : _____ (date/time)

Location: _____ Type of BMP: _____ Repair must occur by: _____
Describe correction to be made by Contactor: _____ (date/time)

Notification to Contactor given by: _____

Date: _____ Time: _____ Contractor/SubContractor's _____ (initial upon receipt)

Erosion and Sediment Control Deficiency Deduction will be imposed per Art. 105.03 of the IDOT Standard Specifications Jan 1, 2012.
If Contractor fails to meet requirements of ILR10, an Incidence of Non-Compliance Form will be completed and sent to the IEPA with this repair notice.



COOK COUNTY
DEPARTMENT OF HIGHWAYS

Superintendent of Highways

Cook County Administration Building
69 West Washington Street 23rd Floor
Chicago, Illinois 60602-3007
Telephone (312) 603-1600-01/ Fax (312) 603-9945

National Pollutant Discharge Elimination System (NPDES)
Stormwater Pollution Prevention Plan

This plan has been prepared to comply with the provisions of the National Pollutant Discharge Elimination System (NPDES) ILR10 Permit, issued by the Illinois Environmental Protection Agency for storm water discharges from Construction Site Activities.

I certify that under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature

Date

Superintendent of Highways

Title

Road Name:

Limits:

Section Number:

Location:

County:

1. SITE DESCRIPTION

The following is a description of the construction activity which is the subject of this plan:

The following is a description of the intended sequence of major activities which will disturb soils for major portions of the construction site, such as grubbing, excavation, and grading: (To be completed by the Resident Engineer and Contractor.)

The total area of the project is _____ (acres).

The total area of the site expected to be disturbed by excavation, grading, or other soil breaking activities is _____ (acres).

The estimated runoff coefficients of the various areas of the site after construction activities are completed are contained in the project drainage study which is incorporated by reference into this plan. Information describing the soils at the site, including soil boring logs and soil profiles, is contained in the soils report for the project and is incorporated by reference into this plan.

According to the Soil Survey of Cook County, Illinois, soils present within project limits are

- _____
- _____
- _____
- _____

The design/project report and plan documents are incorporated by reference and contain site maps, drainage patterns, approximate slopes before and after major grading activities, areas of major soil disturbance, locations of stabilization practices to be implemented during construction, location of all surface waters and wetlands within project limits, and location of storm water outfalls.

The names of receiving water(s) and aerial extent of wetland acreage at the site are also in the project report and plan documents.

Receiving waters: _____

The proposed improvements are located within the _____ watershed

_____ sub-watershed.

The primary storm water discharge points are as follows:

- Sta. Description: _____

2. CONTROLS

Perimeter Erosion Barrier – A silt fence will be placed adjacent to areas of construction to intercept waterborne silt and prevent it from leaving the site. These areas are indicated on the drainage plans. This control measure will be in place and functioning prior to any ground breaking.

Erosion Control Blanket – Erosion control blanket shall be placed over all disturbed areas that have been brought to final grade if sodding is not installed within 24 hours and at any time and location as deemed necessary by the Resident Engineer to protect slopes from erosion. Erosion Control Blanket with green dye is NOT acceptable.

Stone Rip Rap – Stone riprap will be maintained around the box culvert, pipe culvert, embankment near STA. _____ to protect against scour and prevent erosion.

Temporary Ditch Checks – Rolled excelsior or urethane/foam ditch checks may be used as directed by the Resident Engineer. Silt fence (statewide) and straw bales (District #1) are not allowed as temporary ditch checks.

Temporary Tree Protection – Shall consist of temporary fencing and tree trunk protection as directed by the Resident Engineer in accordance with Article 201.05 of the IDOT Standard Specifications for Road and Bridge Construction.

Sodding (for residential areas) – Sodding shall be used to stabilize all disturbed parkway areas within 24 hours of final grading unless otherwise noted on plans. If sodding is not in place within 24 hrs of final grading, erosion control blanket is to be used to protect exposed soils until sodding is installed.

Permanent Seeding (for non-residential areas) - Seeding, Class 2A shall be used to stabilize all disturbed parkway areas within 24 hours of final grading unless otherwise noted on plans. Erosion control blanket is to be installed over seeded areas. Biodegradable, lightweight erosion control blanket is preferred. ECB containing green dye is not acceptable.

Inlet Pipe Protection – Inlet pipe protection shall be provided for those structures in the parkway as shown in the plans. Drainage structure inlet filters will be placed and maintained at those locations indicated on the drainage plans and as directed by the Engineer.

Diversion of Stream flow – Throughout culvert or bridge installation, the Contractor shall maintain the flows by using a diversion channel and/or by-pass piping/pumping to divert flows through or around the work area (see Special Provision for Maintaining Drainage and Stream Protection). If a diversion channel is used, the channel walls and bed shall be protected from soil erosion by use of erosion control blanket, plastic sheeting, or by a method approved by the Engineer. When operating under permit, the authorizing Soil and Water Conservation District must also approve the method of diversion.

Isolation of Work Area - Prior to culvert or bridge installation, the Contractor shall isolate the work area from flowing water through the use of cofferdams. The system must be approved by the Engineer and by the authorizing Soil and Water Conservation District (see Special Provision for Maintaining Drainage and Stream Protection).

Dewatering Operations - The Contractor shall use a sump pit for dewatering the isolated work area. Water from the sump pit shall be discharged to a sediment basin or sediment bag of adequate size to provide for settlement prior to being discharged to the drainage system. The discharge of water from dewatering operations directly into the stream or drainage system is strictly prohibited. (see Special Provision for Maintaining Drainage and Stream Protection).

The Contractor shall initiate stabilization measures as soon as practicable on portions of the site where construction activities have ceased (permanently or temporarily) and at any time and location deemed necessary and as directed in writing by the Engineer.

The Contractor shall provide and install stabilization measures (permanently or temporarily) as needed prior to the cessation of work at the end of the construction season which will provide adequate protection until work is resumed. The Contractor shall maintain these measures throughout the dormant period.

Contractor: _____
Print name and initial

Other Controls

Waste Disposal – No solid materials, including building materials, shall be discharged into waters of the state, except as authorized by a Section 404 permit.

The provisions of this plan shall ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations.

Approved State or Local Plans

The management practices, controls, and provisions contained in this plan will be in accordance with IDOT Standard Specifications for Road and Bridge Construction (2002) and the IEPA Illinois Urban Manual (1995).

MAINTENANCE

The following is a description of procedures that will be used to maintain, in good and effective operating conditions, vegetation, erosion and sediment control measures and other protective measures identified in this plan.

During construction the Contractor shall:

- Clean up and grade the work area to eliminate concentration of runoff.
- Cover the open ends of pipes in trenches at the close of each workday.
- Maintain or replace erosion and sediment control items.

Prior to any landscaping/restoration work, the Contractor shall:

- Remove and dispose of silt retained by the temporary ditch checks as directed by the resident engineer.
- Reinstall temporary ditch checks after cleaning.

All maintenance of erosion control systems will be the responsibility of the Contractor. All locations where vehicles enter and exit the construction site and all other areas subject to erosion should be inspected at least once every seven days and within 24 hours of the end of each ½ in. or greater rainfall event, or an equivalent snowfall (5 in.).

Inspection procedures shall be followed as outlined below.

INSPECTIONS

Qualified personnel shall inspect disturbed areas of the construction site which have not been fully stabilized, structural control measures, and locations where vehicles enter or exit the site. Such inspections shall be conducted at least once every seven (7) calendar days and within 24 hours of the end of a storm that is ½ in. or greater rainfall or equivalent snowfall (5 in.).

Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of offsite sediment tracking.

Based on the results of the inspection, the description of potential pollutant sources identified in section a) above and pollution prevention measures identified in section a) above shall be revised as appropriate as soon as practicable after such inspection. Any changes to this plan resulting from the required inspections shall be implemented within 24 hours following the inspection (a mark-up plan showing accurate locations and types of BMPs used must be kept.)

A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of this storm water pollution plan, and actions taken in accordance with section b) shall be made and retained as part of the plan for at least three (3) years after the date of the inspection. The report shall be signed in accordance with Part VI G of the general permit.

If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer or Resident Technician shall complete and file an "Incidence of Noncompliance" (ION) report for the identified violation. The Resident Engineer or Resident Technician shall use forms provided by the Illinois Environmental Protection Agency and shall include specific information on the cause of non-compliance, actions which were taken to prevent any further causes of non-compliance, and a statement detailing any environmental impact which may have resulted from the non-compliance. All reports of noncompliance shall be signed by a responsible authority in accordance with Part VI. G of the general permit. The report of non-compliance shall be mailed to the following address:

Illinois Environmental Pollution Agency
Division of Water Pollution Control
Attn: Compliance Assurance Section
1021 North Grand East
Post Office Box 19276
Springfield, IL 62794-9276

NON-STORM WATER DISCHARGES

Except for flows from fire fighting activities, sources of non-storm water that is combined with storm water discharges associated with the industrial activity addressed in the plans are described below. Appropriate pollution prevention measures, as described below, will be implemented for the non-storm water component(s) of the discharge.

The only source of non-storm water discharge within the project limits will be from watering of seeding or for erosion control and landscaping purposes.

EVIDENCE OF COMPLIANCE WITH OTHER LAWS

Endangered Species Act

As part of the Biological Resource Review for the project, an evaluation of habitat for federally listed endangered and threatened species was conducted by the U.S. Fish and Wildlife Service. No suitable habitat for species listed as occurring in Cook County was found to be present.

National Historic Properties Act of 1966

A cultural resource review was made for this project as part of the planning process. It included research and documentation concerning historical and archeological resources and sites, and a field archeological survey. The project received concurrence from the Illinois State Historic Preservation Officer that no historic properties subject to protection under Section 106 of the National Historic Preservation Act of 1966, as amended, will be affected by the proposed construction activities.

State Endangered and Threatened Species

The Illinois Department of Natural Resources participated in the Biological Resources Review encompassing the entire improvement and requested coordination with the Cook County Highway Department due to potential impacts to:

(description of impacted resource)

This area is located: _____
(location in reference to the project plans)

Early coordination was completed with all necessary clearance received from the IDNR on: _____
(clearance letter date here)

EVIDENCE OF COMPLIANCE WITH OTHER LAWS

Clean Water Act: Wetlands and Waters of the U.S.

This project is operating under Section 404 of the Clean Water Act General Permit Application # _____ as approved by the US Army Corps of Engineers on _____

This project shall comply with the water quality certification issued under Section 401 of the Clean Water Act by the IL Environmental Protection Agency.

If the project will impact 0.10 acre or more of wetlands, mitigation of 1.5:1 is required under federal regulations.

Wetland Impacts _____ acres

Mitigation Provided _____ acres / Location: _____

References

Standard Specifications for Road and Bridge Construction, Illinois Department of Transportation, January 1, 2012
Illinois Urban Manual, United States Department of Agriculture – Natural Resources Conservation Service, September 1995
 "National Pollutant Discharge Elimination System (NPDES) Storm Water Permit General Permit for Construction Site Activities No. ILR10", Illinois Environmental Protection Agency – Division of Water Pollution Control.

**SPECIAL PROVISION
FOR
MAINTAINING DRAINAGE AND STREAM PROTECTION**

Description. The Contractor shall be responsible for the diversion of flow and dewatering of the construction area during the construction of all drainage structures, including box culverts, pipe culverts or other drainage structures as indicated in the plans. The Contractor shall be responsible for preventing sediment from leaving the work site due to these operations.

Construction Requirements. The Contractor shall protect the work area as shown in the plans or by other methods meeting the approval of the Engineer and the authorizing Soil and Water Conservation District to isolate the construction area from the stream flow. The method of isolation and maintenance of stream flow proposed by the Contractor shall be submitted to the Engineer for his review and approval prior to commencing work. The submittal shall include the type, size and location of dam used to isolate area, size and location of diversion channel if used, size and material type of any temporary culverts or flumes for diversion channels, pumps along with their capacities, sump pits and other appurtenances or any other methods to be employed by the Contractor in order to comply with the requirements of this special provision. The submittal shall also include details as to the methods and locations of sediment control and erosion prevention measures that will be used and maintained as required by the contract documents and by all regulatory permits under which the project operates. An approval letter from the authorizing Soil and Water Conservation District shall also accompany the submittal if an alternate method is to be employed by the Contractor.

Basis of Payment. The work detailed in this Special Provision including construction and maintenance of the system as designed shall not be measured for payment. It shall be included in the unit bid price for the item of work involved. No additional compensation shall be allowed for stream protection measures that may be required by the authorizing Soil and Water Conservation District.

**SPECIAL PROVISION
FOR
STORMWATER POLLUTION SEPARATION SYSTEM**

Description. This work shall consist of supplying a VortSentry HS stormwater pollutant separation unit or approved equal for the removal of total suspended solids, free floating oils and debris.

The Contractor, and/or a manufacturer selected by the Contractor and approved by the Engineer, shall furnish all labor, materials, equipment and incidentals required and install all precast concrete stormwater treatment systems and appurtenances in accordance with the drawings and these specifications. Substitutions for the specified product(s) will be considered only if the proposed alternate meets or exceeds the performance requirements as listed in this specification. Any proposed substitutions must be reviewed by the engineer and submitted to the governing regulatory agency for final approval.

Performance Requirements. Each stormwater treatment system shall have treatment, sediment storage, and oil storage capacities equal to or greater than that shown in the table below for the corresponding model as specified on the project plans. For the purpose of determining equivalency, the treatment capacity shall be defined as the flow rate at which the stormwater treatment system removes 80% of an unground silica sample having an average particle size equal to or less than 240 microns. Treatment capacity shall be additionally defined as the maximum flow rate prior to which bypass of any flow occurs.

VortSentry HS	Treatment Capacity	Sediment Storage	Oil Storage
Model	cfs	yd3	gal
HS36	0.55	0.5	75.4
HS48	1.2	0.9	137.1
HS60	2.2	1.5	214.2
HS72	3.7	2.1	308.4
HS84	5.6	2.8	412
HS96	8.1	3.7	544.2

Each stormwater treatment system shall provide documented full-scale testing that corroborates the capacities as listed in the table and defined above. Said documentation shall include at a minimum testing for removal capabilities and sediment wash-out characteristics at the treatment capacities listed in the table above.

Each stormwater treatment system shall have the capability of bypassing high flow internally as well as controlling flow through the treatment chamber so as to avoid wash-out of previously captured pollutants under high flow conditions.

Each stormwater treatment system shall include a circular chamber with a tangential inlet to induce a swirling flow pattern within the treatment chamber. The outlet from the treatment chamber shall be located in the center of the chamber so as to maximize the particle flow path within the treatment system.

Each stormwater treatment system shall be of a hydraulic design that includes flow controls designed and certified by a professional engineer using accepted principles of fluid mechanics that raise the water surface inside the tank to a pre-determined level in order to prevent the reentrainment of trapped floating contaminants.

Each stormwater treatment system shall be designed to not allow surcharge of the upstream piping network during dry weather conditions.

Each stormwater treatment system shall be contained within one concrete manhole structure.

Shop Drawings. The Contractor shall be provided with dimensional drawings and, when specified, utilize these drawings as the basis for preparation of shop drawings showing details for construction, reinforcing, joints and any cast-in-place appurtenances. Shop drawings shall be annotated to indicate all materials to be used and all applicable standards for materials, required tests of materials and design assumptions for structural analysis. Shop drawings shall be prepared at a scale of not less than 3/16-inches per foot (1:75). Six (6) hard copies of said shop drawings shall be submitted to the Engineer for review and approval.

Installation. Each Stormwater Treatment System shall be constructed according to the sizes shown on the Drawings and as specified herein. Install at elevations and locations shown on the Drawings or as otherwise directed by the Engineer.

Place the precast base unit on a granular subbase of minimum thickness of six inches (152 mm) after compaction or of greater thickness and compaction if specified elsewhere. The granular subbase shall be checked for level prior to setting and the precast base section of the trap shall be checked for level at all four corners after it is set. If the slope from any corner to any other corner exceeds 0.5% the base section shall be removed and the granular subbase material re-leveled.

Prior to setting subsequent sections place bitumen sealant in conformance with STM C 990-91 along the construction joint in the section that is already in place.

After setting the precast roof section of the stormwater treatment system, set precast concrete manhole riser sections, to the height required to bring the cast iron manhole covers to grade, so that the sections are vertical and in true alignment with a ¼-inch (6 mm) maximum tolerance allowed. Backfill in a careful manner, bringing the fill up in 6-inch (152 mm) lifts on all sides and compacting the granular bedding to 95% Standard Procter Density per ASTM D698. If leaks appear, clean the inside joints and caulk with lead wool to the satisfaction of the Engineer. Precast sections shall be set in a manner that will result in a watertight joint. In all instances, installation of Stormwater Treatment Systems shall conform to ASTM specification C 891 "Standard Practice for Installation of Underground Precast Utility Structures".

Holes made in the concrete sections for handling or other purposes shall be plugged with a nonshrink grout or by using grout in combination with concrete plugs.

Where holes must be cut in the precast sections to accommodate pipes, do all cutting before setting the sections in place to prevent any subsequent jarring which may loosen the mortar joints. The Contractor shall make all pipe connections.

Materials and Design Requirements. Concrete for precast stormwater treatment systems shall conform to ASTM C857 and C478 and meet the following additional requirements:

1. In all cases the wall thickness shall be no less than the minimum thickness necessary to sustain HS20-44 (MS18) loading requirements as determined by a Licensed Professional Engineer.
2. Sections shall have tongue and groove or ship-lap joints with a butyl mastic sealant conforming to ASTM C 990.
3. Cement shall be Type I, II, or III Portland cement conforming to ASTM C 150.
4. All sections shall be cured by an approved method. Sections shall not be shipped until the concrete has attained a compressive strength of 4,000 psi (28 MPa) or other designate suitable handling strength.
5. Pipe openings shall be sized to accept pipes of the specified size(s) and material(s), and shall be sealed by the Contractor with a hydraulic cement conforming to ASTM C 595M.
6. All internal components shall be PVC per ASTM D1785, and aluminum alloy 5052-H32 plate in accordance with ASTM B 209.
7. Brick or masonry used to build the manhole frame to grade shall conform to ASTM C 32 or ASTM C 139 and shall be installed in conformance with all local requirements.
8. Casting for manhole frames and covers shall be in accordance with ASTM A48, CL.35B and AASHTO M105. The manhole frame and cover shall be equivalent to Campbell Foundry Pattern #1009A.
9. A bitumen sealant in conformance with ASTM C 990 shall be utilized in affixing the aluminum bays to the concrete vault.

Quality Control Inspection. The quality of materials, the process of manufacture, and the finished sections shall be subject to inspection by the Engineer. Such inspection may be made at the place of manufacture, or on the work site after delivery, or at both places, and the sections shall be subject to rejection at any time if material conditions fail to meet any of the specification requirements, even though sample sections may have been accepted as satisfactory at the place of manufacture. Sections rejected after delivery to the site shall be marked for identification and shall be removed from the site at once. All sections which have been damaged beyond repair during delivery will be rejected and, if already installed, shall be repaired to the Engineer's acceptance level, if permitted, or removed and replaced, entirely at the Contractor's expense.

All sections shall be inspected for general appearance, dimensions, soundness, etc. The surface shall be dense, close textured and free of blisters, cracks, roughness and exposure of reinforcement.

Imperfections may be repaired, subject to the acceptance of the Engineer, after demonstration by the manufacturer that strong and permanent repairs result. Repairs shall be carefully inspected before final acceptance. Cement mortar used for repairs shall have a minimum compressive strength of 4,000 psi (28

MPa) at the end of 7 days and 5,000 psi (34 MPa) at the end of 28 days when tested in 3-inch (76 mm) diameter by 6 - inch (152 mm) long cylinders stored in the standard manner. Epoxy mortar may be utilized for repairs.

Manufacturer. The manufacturer of said system shall have been regularly engaged in the engineering design and production of systems for the physical treatment of stormwater runoff.

Each stormwater treatment system shall be a VortSentry® HS system as manufactured by CONTECH Stormwater Solutions Inc, 200 Enterprise Drive, Scarborough, Maine 04074, phone: 207-885-9830, fax: 207-885-9825.

Basis of Payment. The work shall be paid for at the contract unit price each for STORMWATER POLLUTION SEPARATION SYSTEM of the model number or diameter specified, which price shall be payment in full for all material, labor and any other items required to complete the work.

**SPECIAL PROVISION
FOR
STORMWATER POLLUTION SEPARATION SYSTEM**

Description. This work shall consist of supplying a Baysaver stormwater pollutant separation unit or approved equal for the removal of total suspended solids, free floating oils and debris.

Materials.

A. The structure shall be designed for H-20 loading traffic and applicable earth loads. The materials and structural design of the devices shall be per ASTM C857 and ASTM C858.

The minimum compressive strength of the concrete in the manhole base, riser, and top sections shall be 4000 psi.

The minimum wall thickness shall be one twelfth of the internal diameter of the riser or largest cone diameter.

Cement shall conform to the requirements for portland cement of Specification C150.

Aggregates shall conform to Specification C33, except that the requirement for gradation shall not apply.

Reinforcement shall consist of wire conforming to Specification A82 or Specification A496, of wire fabric conforming to Specification A185 or Specification A497, or of bars of Grade 40 steel conforming to Specification A615/A615M.

The access cover shall be designed for HS20-44 traffic loading and shall provide a minimum of 30 inch clear opening.

All joints shall be waterproofed with wrapped gaskets or sealed with a mastic treatment.

Any grout used within the system shall meet the ASTM C 1107 "Standard Specification for Packaged Dry, Hydraulic-Cement Grout (Non-Shrink)". Grades A, B and C at a pourable and plastic consistency at 70°F. CRD C 621 "Corps of Engineers Specification For Non-Shrink Grout."

Storage manhole connector holes shall be equipped with a seal gasket that meets or exceeds material specifications of ASTM C-923 or other locally approved methods.

B. Smooth wall pipes within the system, (i.e. tee pipes, connector pipes and down pipes) shall be constructed of SDR 26 HDPE pipe of standard ASTM F412.

C. Pipe and fitting material shall be high-density polyethylene meeting ASTM D330 minimum cell classification 335400C for 12- through 60- inch diameters. The 12- through 60- inch pipe material shall be Hancor Resin 8TM or an approved equal, which is a slow crack resistant material evaluated using the single point notched constant tensile load (SP-NCTL) test.

D. Installation shall be in accordance with ASTM D2321 with the exception that minimum cover in trafficked areas for 4- to 48- inch diameters shall be one-foot and for 60-inch diameters shall be 1.5 ft.

E. Sheet material that makes up the weir plate and bypass plate is to be made of HYA-022. HYA-022 is a high molecular weight, high density polyethylene resin designed for medium and large part blow molding. This product exhibits excellent impact strength and stress crack resistance.

F. All pipe joints shall be installed with an exterior joining coupler. The joint coupler shall be Polyseal Pipe Coupler as manufactured by Mar-Mac Manufacturing Company or an approved equal and shall be installed according to the manufacturer's recommendations.

G. The connector pipes should be connected with the down pipes using Fernco Flexible Couplings or an approved equal that have been manufactured to conform to ASTM C-425.

Construction.

A. This stormwater treatment system shall comprise two structures with a connecting separator unit between them. The system shall be configured such that fine sediments and floatable pollutants are retained in an off-line structure to prevent resuspension. This separator(s) shall be capable of separating both suspended solids and oils (hereafter called pollutants) from storm-water at a rate of no less than 75% removal efficiency¹ at the maximum flow rate or higher.

B. The unit shall be designed to allow for three flow paths, which are used during different flow rates. These three flow paths shall be defined as the optimal treatment flow path, the maximum treatment flow path and the peak design flow path, and are described below.

$E = (P_i - P_o) / P_i$ where E is the collection efficiency, P_i is the input pollutant load by weight and P_o is the output pollutant load on a weight basis.

C. During optimal treatment flows the unit shall work by separating the lighter pollutants to the top of the primary manhole and directing these pollutants to the secondary (storage) manhole, while heavier suspended solids are directed to the bottom of the primary manhole. In this way the unit shall be capable of treating all flows up to the optimal treatment flow rate through both manholes in a primary and secondary treatment process. Treating or treatment shall be defined as a combination of fluid redirection (centripetal) and gravity principles to separate the non-dissolved constituents from the fluid to be cleaned by using the density differences between the cleaned fluids and the pollutants to be removed.

D. At higher flows, less than the defined maximum treatment flow rate, the unit shall continue to treat all fluids in the primary manhole and shall direct those lighter pollutants from the top of the primary manhole to the storage manhole for a secondary treatment process. At the same time, the unit shall remove the clean fluids from the center of primary manhole and direct these treated fluids directly out of the unit. Thus the unit shall avoid re-suspension of previously collected pollutants in the storage manhole with these clean and treated fluids from the first manhole.

E. At flow rates above the maximum treatment flow the unit shall offer a third flow path that allows for redirection of the fluids past the storage manhole thus eliminating re-suspension of the pollutants collected in the storage manhole by these higher flows.

F. The unit shall not possess any elbows of greater than 60° between the primary and storage manholes.

G. The unit shall be capable of having the storage manhole completely inspected and maintained from the top opening without obstruction.

H. System must consist of at least two separate treatment manholes and at least two treatment flow rates plus a bypass flow rate shall be considered an "or equal."

Basis of Payment. The work shall be paid for at the contract unit price each for STORMWATER POLLUTION SEPARATION SYSTEM, of the size specified on the plan, which price shall be payment in full for all material, labor and any other items required to complete the work.

**SPECIAL PROVISION
FOR
SEEDING**

This Special Provision amends the provisions of the Standard Specifications and shall be construed to be a part thereof.

250.04 Fertilizer and Agricultural Ground Limestone Application. Revise the third paragraph to read:

When fertilizer is specified, 180 lbs. of fertilizer nutrients per acre shall be applied at a 1:1:1 ratio as follows:

Nitrogen Fertilizer Nutrients	60 lbs./acre
Phosphorus Fertilizer Nutrients	60 lbs./acre
Potassium Fertilizer Nutrients	60 lbs./acre

250.07 Seeding Mixtures. Revise Table I Seeding Mixtures

For Class I as follows: Substitute the Seeding Mixture indicated below for Seeding Class I, regardless of the season;

- 80 lbs./acre Kentucky Bluegrass
- 45 lbs./acre Kentucky 31 or Alta Fescue
- 30 lbs./acre Perennial Ryegrass
- 15 lbs./acre Redtop or Creeping Red Fescue

**SPECIAL PROVISION
FOR
SODDING**

This Special Provision amends the provisions of the Standard Specifications and shall be construed to be a part thereof.

252.09 Supplemental Watering. Revise the third sentence to read:

When the supplemental watering is specified on the plans, the water shall be applied at the total rate of 10 gallons per square yard (45 liters per square meter) within 24 hours of notice.

252.11 Inspection. Revise the first paragraph to read:

The Contractor shall notify the Cook County Highway Department of the localities from which the sod is to be obtained so that an authorized representative of the Highway Department can inspect the field for approval. All sod shall be fresh and green when delivered. Any sod that is dried out, burned, brown or inferior in quality to the approved sod field, or in any way fails to meet the requirements of the specifications, will be rejected and removed from the job immediately and shall be replaced with suitable sod at the Contractor's expense.

To insure the delivery of suitable field sod, three weeks before cutting, the Contractor or the Supplier shall apply sufficient weed killer to eradicate existing common weeds. Seven days after the weed killer is applied, sufficient fertilizer shall be spread over the field to insure green sod prior to any delivery.

Only 2 year growing season or older approved nursery grown sod shall be placed on parkways and median strips adjacent to residential property, parks or other special areas as designated by the Engineer.

**SPECIAL PROVISION
FOR
PLANTING WOODY PLANTS**

This special provision amends the provisions of the standard specifications and shall be construed to be a part thereof.

253.03 Planting Time. Add the following after the first paragraph:

All planting work shall be suspended during inclement weather judged to be detrimental to the plant material by the engineer. Sunday work shall not be performed without the permission of the engineer. Any planting done without permission of the engineer due to the weather or on sundays will be subject to removal and shall be replanted with new material of the same number, size and variety at the contractor's own expense.

253.05 Transportation. Revise the second sentence of the paragraph to read:

Upon arrival at the temporary storage location or the site of the work and before planting backfill operations have begun, plants will be inspected for proper shipping procedures as defined in article 1081.01(d).

253.08 Excavation of Plant Holes. Revise the third and fourth sentences of the first paragraph to read:

Under no circumstances shall surplus excavated material be stockpiled in ditches, on shoulders, or on sodded areas. All work shall cease until this material is removed off the site of the work. All damage incurred from this operation shall be replaced or repaired at the contractor's expense.

253.08 (b) Excavation for Shrubs, Vines and Seedlings. Add the following to the second paragraph:

When shrub beds are located on existing sod areas, the sod shall be stripped from the entire shrub bed prior to the digging of shrub holes. The Engineer shall make on site inspection of shrub bed sites before excavation begins. The final bed grade shall be at the direction of the engineer. All surplus excavated material from the shrub holes shall be removed from the bed and disposed of by the contractor off the site of the work.

253.10 Planting Procedures. Revise first and second sentences of the first paragraph to read:

The prepared backfill shall consist of topsoil as approved by the Engineer. Soil removed from the hole shall be used to construct the water saucer as directed by the Engineer.

253.12 Wrapping. Add the following after the first paragraph:

Use screen wrapping as specified or use alternate, tree wrapping paper, as directed by the engineer.

253.13 Bracing. Revise the first sentence of the first paragraph to read:

No bracing shall be required for small or intermediate trees, 1.2M (4 feet) thru 2.5M (8 feet) in height. Trees larger than 50MM (2 inches) in diameter and smaller than 75MM (3 inches) in diameter, shall require 2

posts, so placed that a line between them will be parallel to the roadway. Trees more than 75MM (3 inches) in diameter require 3 posts so placed that they are equidistant from each other.

253.14 Period of Establishment. Add the following after the first paragraph:

Besides the required replacement of dead and unsatisfactory plants, all plants that have been over-pruned, resulting in an unnatural shape, and those which show more than a 40% loss of leaves after the period of establishment, shall be replaced. Any plant material stolen from the site of the work, burned or damaged during the life of the contract shall be replaced in number, size and variety at the contractor's expense.

253.14 Period of Establishment. Add the following after the fourth paragraph:

Contractor's responsibility shall be limited to one replacement if original planting fails to survive.

253.15 Plant Care (b). Add the following after the second paragraph:

All sodded or seeded areas, medians, parkways and shoulder areas damaged by deep rutting or displacement due to equipment used in planting or care of plants shall be restored at the contractor's expense.

1081.01 (c) Inspection of Plant Material. Revise the last sentence of part (1) to read:

A representative of the Architecture and Landscape Section shall place identification seals on all large and small trees. A representative number of shrubs, vines and seedlings (10 per 1,000) shall be sealed or tagged.

CHECK SHEET #LRS3

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION
FOR
WORK ZONE TRAFFIC CONTROL SURVEILLANCE

Effective: January 1, 1999

Revised: January 1, 2010

Revise Article 701.10 of the Standard Specifications to read:

"The Contractor shall conduct inspections of the worksite at a frequency that will allow for the timely replacement of any traffic control device that has become displaced, worn, or damaged. A sufficient quantity of replacement devices, based on vulnerability to damage, shall be readily available to meet this requirement."

Delete Articles 701.19(d) and Article 701.20(g) of the Standard Specifications.

**SPECIAL PROVISION
FOR
TRAFFIC CONTROL DEVICES - DETOUR ROUTING**

Description. This work shall consist of the furnishing of Sign Panel Type 1 and/or Type 2, complete with reflectorized sign faces, legend and supplemental panels; installing them on sign supports, sign structures, traffic signal standard or light standard, as determined appropriate and consistent with the requirements set forth in the State of Illinois "Manual on Uniform Traffic Control Devices for Streets and Highways," the daily monitoring and maintenance of these installations; and the removal of the entire assembly and restoration of area upon completion of project.

Materials. The sign panel materials shall be as specified in Sections 1090, 1091 and 1092 of the Standard Specifications for Road and Bridge Construction. When the installation of sign supports is necessary, they shall meet the requirements for Metal Post Type B of Article 1006.29 of the Standard Specifications for Road and Bridge Construction.

Installation Requirements. Type 1 and/or Type 2 sign panels shall be installed using all required supporting and mounting hardware in accordance with the details shown in the plans or as directed by the Engineer. When used, the metal posts may be driven by hand or mechanical means to a minimum depth of 1.2 m (4.0 feet) measured from the ground line or as shown in the plans. The post shall be protected by a suitable driving cap and if required by the Engineer, the material around the post will be compacted after driving.

If the post is too long, the Contractor may choose to cut the post or embed it further in the ground; however, no splicing of metal posts will be allowed. Any post so cut shall have the cut end completely deburred and treated with a zinc rich paint.

The Contractor shall be responsible for the proper elevation, offset and orientation of all posts as indicated on the plans or as directed by the Engineer.

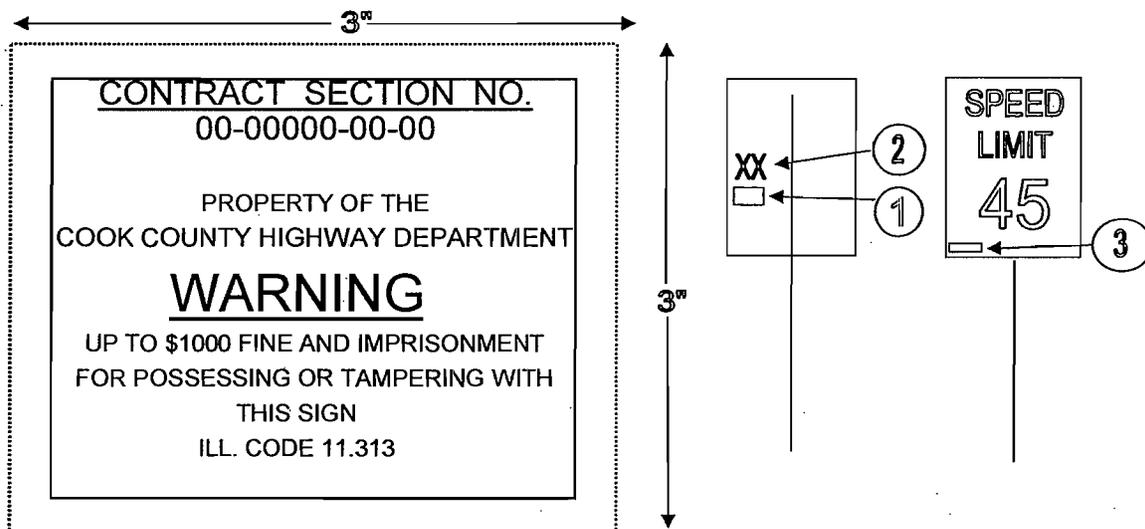
All posts will be of sufficient length to allow a 2.1 m (7 Foot) clear-height in urban areas and a 1.5 m (5 Foot) clear-height in rural areas, or as directed by the Engineer (bottom of panel to elevation of edge of pavement). The tops of all posts shall be nearly flush with the top of the sign and shall not protrude above the sign.

Basis of Payment. This work shall be paid for at the contract lump sum price for Traffic Control Devices - Detour Routing, which price shall be payment in full for all labor, material, transportation, handling and incidentals necessary to furnish, install, monitor daily, maintain, remove all Sign Panels Type 1 and/or Type 2 and Metal Post Type B indicated on the detour plan and as directed by the Engineer

**SPECIAL PROVISION
FOR
SIGN IDENTIFICATION DECAL**

1. The identification decal shall have an Orange background with Black legend. The material may be of non-reflectORIZED or reflectORIZED sign face with weatherproof adhesive backing. The decal shall be applied as per drawing to the back side of all sign panels installed, replaced or relocated.
2. A decal of 3" series D numerals representing the last two digits of the year in which NEW sign was first installed shall be applied on the back of the sign and just above the identification decal. The numerals shall be of the Orange color.
3. As shown in the drawing, wording 'CCHD XX-XX' 3/8" high shall be stenciled at the bottom left of the sign face where XX-XX represents the month and year of NEW sign fabrication.

The cost of the material and labor for applying the decals and year identification numerals shall be considered as incidental to the Contract. A finished sample of the decals shall be submitted to the Engineer for approval prior to application.



**SPECIAL PROVISION
FOR
TRAFFIC PROTECTION**

General. This item of work shall include furnishing, installing, maintaining, replacing, relocating and removing all traffic control devices used for the purpose of regulating, warning or directing traffic and protecting workers during the construction or maintenance of this improvement.

Traffic protection shall be provided as called for in the plans, these Special Provisions, applicable Traffic Control Highway Standards, applicable sections of the Standard Specifications, or as directed by the Engineer.

The governing factor in the execution and staging of work for this project is to provide the motoring public with the safest possible travel conditions along the roadway through or around the construction zone. The Contractor shall arrange his operations to keep the closing of any lane of the roadway to a minimum. Where the traffic of any building in the area of the proposed improvement is of an emergency nature, such as a Hospital, Fire or Police Station traffic, the Contractor shall provide for free movement of such traffic during the course of construction.

Traffic Control Devices include signs and their supports, signals, pavement markings and markers, traffic cones, barricades with sand bags, plastic drums, channelizing devices, warning lights, arrow boards, flaggers, or any other device used for the purpose of regulating, detouring, warning or guiding traffic through or around the construction zone.

The Contractor is required to conduct routine inspections of the worksite at a frequency that will allow for the prompt replacement of any traffic control device that has become displaced, worn or damaged to the extent that it no longer conforms to the shape, dimensions, color and operational requirements of the "Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD), the Traffic Control Standards and the "Quality Standard for Work Zone Traffic Control Devices" issued by the Illinois Department of Transportation or will no longer present a neat appearance to motorists. A sufficient quantity of replacement devices, based on vulnerability to damage, shall be readily available to meet this requirement.

The Contractor shall be responsible for the proper location, installation and arrangement of all traffic control devices. Special attention shall be given to advance warning signs during construction operations in order to keep lane assignment consistent with barricade placement at all times. The Contractor shall immediately remove, cover or turn from the view of the motorists all traffic control devices which are inconsistent with detour or lane assignment patterns and conflicting conditions during the transition from one construction stage to another. When the Contractor elects to cover conflicting or inappropriate signing, materials used shall totally block out reflectivity of the sign and shall cover the entire sign. The method used for covering the signing shall meet with the approval of the Engineer.

The Contractor shall coordinate all traffic control work on this project with adjoining or overlapping projects, including barricade placement necessary to provide a uniform traffic detour pattern. When directed by the Engineer, the Contractor shall remove all traffic control devices which were furnished, installed and maintained by him under this contract, and such devices shall remain the property of the Contractor. All

traffic control devices shall remain in place until specific authorization for relocation or removal is received from the Engineer.

The Contractor shall ensure that all traffic control devices installed by him are functional and effective 24 hours each day.

107.15 Dirt on Pavement or Structures. Add the following after the first paragraph of this Article.

When ordered by the Engineer, the Contractor shall use some method to allay dust and prevent a nuisance. This shall be done preferably by sprinkling the Subgrade or the portion of pavement used by trucks or busses with water. If conditions warrant, this shall receive constant attention by the Contractor. Calcium Chloride shall not be used for this purpose. No extra compensation shall be allowed the Contractor for this work.

Signs. All signs except those referring to daily lane closures shall be post mounted in accordance with Standard 702001 for all projects that exceed four days.

Construction signs referring to daytime lane closures during working hours shall be removed, covered or turned away from the view of the motorists during non-working hours.

Prior to the beginning of construction operations, the Contractor will be provided a sign log of all existing signs within the limits of the construction zone. The Contractor is responsible for verifying the accuracy of the sign log. Throughout the duration of this project, all existing traffic signs shall be maintained by the Contractor. All provisions of Article 107.25 of the Standard Specifications shall apply except the third paragraph shall be revised to read: "The Contractor shall maintain, furnish and replace at his own expense, any traffic sign, or post which has been damaged or lost by the Contractor or a third party".

"Fresh Oil" signs (W21-2) shall be used when prime is applied to pavement that is open to traffic. The signs are to remain until tracking of the prime ceases. The sign shall be erected a minimum of 150m (500 feet) preceding the start of the prime and on all side roads within the posted area. The "Fresh Oil" sign on the side road shall be posted a minimum of 60m (200 feet) from the mainline pavement.

"Rough Grooved Surface" signs (W8-1107) shall be used when the road has been cold milled and open to traffic. The signs shall remain in place until the milled surface condition no longer exists. These signs shall be erected a minimum of 150m (500 feet) preceding the start of the milled pavement and on all side roads within the posted area. The "Rough Grooved Surface" signs on the side roads shall be posted 60m (200 feet) from the mainline pavement. All signs shall have a 450mm x 450mm (18" x 18") orange flag and amber flashing light attached.

Whenever a lane is closed to traffic using Standard 701606, 701601, or 701701, the pavement width transition sign (W4-2R or W4-2L) shall be used in lieu of "Workers" sign (W21-1 or W21-1a).

Whenever any vehicle, equipment, workers or their activities infringe on the shoulder or within 4.5m (15 feet) of the traveled way and the traveled way remains unobstructed, then the applicable Traffic Control Standard shall be 701006, 701011, 701101, or 701701. "Shoulder Work Ahead" sign (W21-5(0)-48) shall be used in lieu of the "Workers" sign (W21-1 or W-21-1a).

The Contractor shall provide and erect any other signs that are required for traffic safety operations and the conveyance of traffic information to the motorist, which may not be included in the Traffic Control Standards. The requirement for these signs shall be determined by and installed at the direction of the Engineer.

Barricades: Any drop off greater than 75mm (3 inches), but less than 150mm (6 inches) within 2.5m (8 feet) of the pavement edge shall be protected by Type I or II barricades equipped with mono-directional steady burn lights at 30m (100 foot) center to center spacing. If the drop off within 2.5m (8 feet) of the pavement edge exceeds 150mm (6 inches), the barricades mentioned above shall be placed at 15m (50 foot) center to center spacing. Barricades that must be placed in excavated areas shall have leg extensions installed such that the top of the barricade is in compliance with the height requirements of Standard 702001. In addition to the placement of barricades as described above, pavement drop off signs (W8-9a) shall be used along with the barricades and at the direction of the Engineer.

Placement of all signs, barricades or drums shall proceed in the direction of flow of traffic. Removal of all signs, barricades or drums shall start at the end of the construction areas and proceed toward oncoming traffic unless otherwise directed by the Engineer.

All Type I and Type II barricades, drums and vertical panels shall be equipped with a steady burn light when used during hours of darkness unless otherwise stated herein.

Check barricades shall be placed in work areas perpendicular to traffic every 300m (1,000 feet), one per lane and per shoulder, to prevent motorists from using work areas as a traveled way. Two additional check barricades shall be placed in advance of each patch excavation or any other hazards in the work area, the first at the edge of the open traffic lane and the second centered in the closed lane. Check barricades shall be Type I or II and equipped with a flashing light.

Arrow Boards. A flashing arrow board shall be operating at all times when a lane is closed to traffic on a multilane highway. Arrow boards shall be provided and located in a head-on position within each lane closure taper.

Temporary Concrete Barrier Vertical Panels and Lights. Whenever temporary concrete barrier is specified in the plans, vertical panels and steady burning lights meeting the requirement of Articles 1106.01 and 1106.02 of the Standard Specifications and Standard 702001 shall be installed on the barrier at 15m (50 foot) centers minimum or at the spacing shown on the plans. The method of mounting shall be approved by the Engineer. Upon conclusion of the work, the panels and lights shall be removed and shall remain the property of the Contractor.

Pedestrian Sidewalk Control. The Contractor shall install, maintain and remove necessary signs and barricades needed to direct pedestrians to usable sidewalks and walkways during the construction in accordance with Traffic Control Standard Case 701801 or as directed by the Engineer. The Contractor shall make adequate provision for the free passage of foot traffic at all intersecting streets which are to remain open to traffic. The materials or equipment used in the construction of this improvement shall be so placed as to afford access to abutting private property and to all hydrants and valves with a minimum of inconvenience.

All barricades shall be Type I or II equipped with flashing lights. At each point of closure, sufficient numbers of barricades shall be used to completely close the sidewalk to pedestrian movement. Where construction

activities involve sidewalks on both sides of the street, the work shall be staged so that both sidewalks are not out of service at the same time.

107.09 Public Convenience and Safety. Revise the Sixth paragraph of this Article to read as follows:

The following vertical and horizontal restrictions shall pertain to roads as defined in the Illinois Highway Code, Article 2, Division 1, Section 2-101, 2-102, and 2-103 when construction is being performed with the road open to traffic.

The Contractor shall provide a telephone number where a responsible individual can be contacted on a 24-hour-a-day basis to receive notification of any deficiencies regarding traffic control and protection. The Contractor shall dispatch workers, materials and equipment to correct any such deficiencies. The Contractor shall respond to any call from the Department concerning any request for improving or correcting traffic control devices and begin making the requested repairs within two hours from the time of notification.

Personal vehicles shall not park within the right-of-way except in specific areas designated by the Engineer.

The contractor shall maintain at least one lane of traffic at all times on two lane roads and at least one lane in each direction on 4 or more lane roads, during the construction of this project. The Contractor shall also maintain areas to entrances and side roads along the proposed improvement. Interference with traffic movements and inconvenience to owners of abutting property and the public shall be kept to a minimum. Any delays or inconveniences caused to the Contractor by complying with these requirements shall be considered as incidental to the contract, and no additional compensation will be allowed.

On two lane roads, the Contractor is to plan the work so that there will be no open holes in the pavement and that all barricades will be removed from the pavement during non-work hours.

On four or more lane highways, there shall be no open holes in the pavement being used by the traveling public. Lane closures, if allowed, will be in accordance with the applicable standards, any staging details shown in the plans and other applicable contract documents.

The Contractor shall remove all equipment from the shoulders and medians after work hours.

No road closures nor restrictions shall be permitted except those covered by the Traffic Control Highway Standards without written approval by the Engineer.

When traveling in lanes open to public traffic, the Contractor's vehicles shall always move with and not against or across the flow of traffic. These vehicles shall enter or leave work areas in a manner which will not be hazardous to, nor interfere with, traffic.

Pavement Markings. Temporary Pavement Marking Paint used on temporary or unfinished surfaces shall be maintained to the highest degree of visibility and reflectivity and on long term projects shall be repainted when the temporary pavement marking shows signs of deterioration or at a minimum of every three (3) months and as directed by the Engineer at no additional cost and is considered as incidental to the cost of Traffic Protection.

Temporary pavement marking shall be applied as solid unbroken lines when used to delineate any pavement transition, turn lane transition and storage bay. Double yellow centerline shall be used across a bridge deck where the distance to be marked is less than 160 feet.

Temporary raised reflective bi-directional (amber) pavement markers (Section 781 and Article 1096.02 of the Standard Specifications) shall be used, and replaced when required, throughout a temporary by-pass detour pavement at no additional cost.

Method of Measurement. Delete: Article 701.19 Method of Measurement

Traffic Protection will not be measured for payment but shall include the furnishing, installing, maintaining, relocation and removal of traffic control devices required in the plans and these special provisions and all temporary paint pavement marking lines, letters and symbols.

Basis of Payment. Delete: Article 701.20 Basis of Payment

This work will be paid for at the lump sum price for TRAFFIC PROTECTION, which price shall be payment in full for all labor, materials, transportation, handling and incidentals necessary to furnish, install, maintain, replace, relocate and remove all traffic control devices when required, such as signing, arrow boards, barricades, plastic drums, road closures, paint pavement marking lines and letters and symbols (Section 780 and Article 1095.02 of the Standard Specifications), temporary concrete barrier vertical panels and lights (Standard 702001), flexible delineators (Standard 702001), prismatic barrier reflectors (Sections 782 and 1097 of the Standard Specifications), temporary raised reflective pavement markers (Section 781 and Article 1096.02 of the Standard Specifications) and all traffic control devices indicated in the plans and specifications. The salvage value of all material removed (including existing traffic signs - when removal is required) shall be reflected in the bid price for this item.

Delays to the Contractor caused by complying with these requirements will be considered incidental to the item for Traffic Protection, and no additional compensation will be allowed.

Payment Adjustments. The Engineer may require additional traffic control to be installed in accordance with standards and/or designs other than those included in the plans. In such cases, the standards and/or designs will be made available to the Contractor at least one week in advance of the change in traffic control. Payment for any additional traffic control required will be in accordance with Article 109.04 of the Standard Specifications.

Revisions in the phasing of construction or maintenance operations, requested by the Contractor, may require traffic control to be installed in accordance with standards and/or designs other than those included in the plans. Revisions or modifications to the traffic control shown in the contract shall be submitted by the Contractor for approval by the Engineer. No additional payment will be made for a Contractor requested modification.

In the event the sum total value of all the work items for which traffic protection is required is increased or decreased by more than ten percent (10%), the contract bid price for Traffic Protection will be adjusted as follows:

$$\text{Adjust contract price} = .25P + .75P [1 \pm (X - 0.1)]$$

Where "P" is the contract price for Traffic Protection

Difference between original and final sum total

value of all the work items for which

Where "X" = protection is required.

Original sum total value of all work items for which traffic protection is required.

The value of work items used in calculating the increase or decrease will include only items which have been added to or deducted from the contract under Article 104.02 of the Standard Specifications and only items which require use of Traffic Protection.

In the event the Department cancels or alters any portion of the contract which results in elimination or noncompletion of any portion of the work, payment for partially completed work will be made in accordance with Article 109.06 of the Standard Specifications.

**SPECIAL PROVISION
FOR
PROJECT SIGNS PLAQUE**

County will erect signs announcing 'A Cook County Department of Highways, Road Improvement Project' with a 24"X4" size plaque reading 'COMING SOON' in front and 'COMPLETED' in back. Contractor will remove this 24"X4" size plaque and store it at the beginning of work on the contract. When work on the contract is completed, Contractor will attach the plaques to the Project signs reading 'COMPLETED'. The cost of this work will be incidental to the contract.

**SPECIAL PROVISION
FOR
ERADICATION OF EXISTING PAVEMENT MARKING**

Description. This work shall consist of eradication of existing painted, thermoplastic or preformed plastic pavement markings by sand or hydro-blasting and/or by grinding.

Equipment. All equipment shall be approved by the Engineer prior to use and shall be sufficient capacity to efficiently and economically clean the roadway surface to the specified cleanliness. The equipment shall be power driven and in good operating condition. The equipment shall utilize moisture and oil traps, in working order, of sufficient capacity to remove contaminants from the air and prevent deposition of moisture, oil, or other contaminants on the roadway surface.

If a high pressure water spray or "hydro blast" is used, the pressure at the nozzle shall be no less than 6,500 psi and no more than 9,500 psi with 10 to 13 gallons of water per minute used.

The blasting medium shall be a quality commercial product capable of producing the specified surface cleanliness without the deposition of deleterious materials on the cleaned surface.

Eradication Requirements. The eradication shall be performed only on that portion of the roadway surface designated by the Engineer or as specified in the plans. Widths, lengths, and shapes of the blast-cleaned surface shall be of sufficient size to include the full area of the specified pavement marking to be removed.

Ninety percent (90%) of the pavement substrate shall be exposed. This shall include not only removal of the existing white or yellow pavement markings, but shall also include sufficient removal of any black markings which exist between the lane lines.

Over cleaning to the extent of possible damage to the roadway surface shall be held to a minimum. Very small particles of tightly adhering existing markings may remain in place if, in the opinion of the Engineer, complete removal of the small particles will result in pavement surface damage.

The cleaning operation shall be a continuous moving process with minimum interruption to traffic. Care should be taken to protect all persons and property from injury or damage.

Method of Measurement. Eradicated pavement marking shall be measured for payment in square feet. The area used for measurement shall be the actual area of lines and in the case of letters and symbols shall be the area of the smallest rectangle that will circumscribe each individual letter or symbol.

Basis of Payment. This work will be paid for at the contract unit price per square foot of ERADICATION OF EXISTING PAVEMENT MARKING, which price shall include eradication of existing painted, thermoplastic or preformed plastic pavement markings to the satisfaction of the Engineer.

**SPECIAL PROVISION
FOR
RAISED REFLECTIVE PAVEMENT MARKER REMOVAL**

This item shall consist of removing existing raised reflective pavement markers, including base casting and reflective element, in accordance with Section 783 of the "Standard Specifications for Road and Bridge Construction", except that the pavement shall be repaired to the satisfaction of the Engineer with EPOXY that has similar color as pavement and shall be approved by the Engineer prior to use.

**SPECIAL PROVISION
FOR
REPLACEMENT OF RAISED REFLECTIVE PAVEMENT MARKER**

This item shall consist of removing existing raised reflective pavement marker castings, repairing the pavement with EPOXY that has similar color as pavement after the existing casting has been removed, and installing a new snowplow resistant raised reflective pavement marker complete with reflector within the limits as shown on plans or as directed by the Engineer. The proposed casting shall match the model of the existing casting model installed in the pavement.

The removal of the damaged raised pavement marker casting shall meet the requirements of Section 783 and the installation of the proposed raised pavement marker casting shall meet the requirements of the Section 781 of the "Standard Specifications for Road and Bridge Construction". To ensure proper installation of the proposed raised pavement marker, the marker shall be located fore or aft of the existing casting location and on the existing alignment or as directed by the engineer.

This item also includes replacement of missing raised reflective pavement marker castings

**SPECIAL PROVISION
FOR
TRAFFIC SIGNAL WORK GENERAL**

All work and equipment performed and installed under this contract, shall be governed and shall comply to the State of Illinois "Standard Specifications for Road and Bridge Construction" latest edition, herein referred to as the Standard Specifications; the State of Illinois "Manual on Uniform Traffic Control Devices for Streets and Highways", latest edition; the "National Electrical Code" latest edition herein referred to as the NEC; the National Electrical Manufacturers Association, herein referred to as NEMA (all publications for traffic control items) latest editions; the International Municipal Signal Association, herein referred to as IMSA "Official Wire & Cable Specifications Manual" latest edition; the Institute of Transportation Engineers, herein referred to as the ITE, Technical Report No.1, "A Standard for Adjustable Face Vehicular Traffic Control Heads"; AASHTO "Standard Specifications for Structural Supports for Highway Signs, Luminaries and Traffic Signals" and the "Supplemental Specifications" and "Recurring Special Provisions" noted herein.

The following Special Provisions supplement the above specifications, manuals, and code. The intent of these Special Provisions is to prescribe the materials and construction methods commonly used for traffic signal installations. All material furnished shall be new. The locations and the details of all installations shall be as indicated on the Plans or as directed by the Engineer. Traffic signal construction and maintenance work shall be performed by personnel holding IMSA Traffic Signal Technician Level II certification. The work to be done under this contract consists of furnishing and installing all traffic signal work as specified in the Plans and as specified herein in a manner acceptable and approved by the Engineer. In case of conflict with any part or parts of said documents, these Special Provisions shall take precedence and shall govern.

In order to reduce possible vehicular conflicts with fixed objects and avoid public criticism, it is necessary to require that no posts, poles, heads, or controller cabinets be installed until all traffic signal control equipment is brought to and located on the job site.

The construction, installation and/or removal work shall be accomplished at all the intersections within the limits of this project or as shown in the plans.

Description of Work. The work to be done under this contract consists of furnishing and installing all traffic signal work as specified on the Plans and as specified herein in a manner acceptable and approved by the Engineer.

Restoration. All areas and plant material damaged by the installation of Traffic Signal posts, mast arm poles, underground cables or conduits, handholes and control cabinets shall be replaced as follows:

- Grass Areas: Replace top soil to a depth of four (4) inches (100 mm), re-grade shoulders, ditch slopes, and open areas back to former existing grades, fertilize, seed and mulch all damaged areas.
- Sod Areas (areas adjacent to residential, commercial and industrial properties and any other areas as directed by the engineer): Fertilize and re-sod damaged areas.
- Plant Materials: Remove and replace damaged trees, shrubs and vines with the same varieties that existed prior to damage.

- Shoulders other than Stabilized and Backslopes, medians, sidewalks, pavement, etc.: Replace shoulder to original condition and restore edge of backslope to original lines and grades. Medians, sidewalks and pavement shall be replaced in kind.
- All brick pavers disturbed in the work area shall be restored to their original configuration or as directed by the Engineer. All damaged brick pavers shall be replaced with a comparable material approved by the Engineer

All damaged landscape shall be replaced in accordance with Section 250 through 254 of the Standard Specifications.

Any damage, due to the installation of traffic signal equipment; or necessary removal at handholes, jacking pits, and inspection openings, of sidewalks, curbs, gutters, median and island paving, and/or pavement, shall be repaired or replaced by the Contractor. Repair or replacement shall be made with a like material of like thickness to the existing surface. Restoration of traffic signal work area shall be included in related pay items such as foundation, conduit, handhole, trench and backfill, etc.

Control of Traffic Signal Materials.

All work shall meet the requirements of the "Standard Specifications for Road and Bridge Construction", except as follows:

The controller and all control equipment shall be of a manufacturer that is approved by this Department. The manufacturer shall have a representative located in the six (6) county Chicago areas.

The intent of this Section is to prescribe the materials and construction methods commonly used for traffic signal installations. All material furnished shall be new. Traffic materials and equipment shall bear the U.L. label whenever such labeling is available.

Before any signal equipment, including mast arm assemblies, poles, controller cabinets, all control equipment and signal heads, are delivered to the job site, the Contractor shall obtain and forward to the Engineer a certified, notarized statement from the manufacturer, containing the catalog numbers of the equipment and/or material, guaranteeing that the equipment and/or material, after manufacture, comply in all respects with the requirements of the Specifications and these Special Provisions.

All material approval requests shall be within thirty (30) consecutive calendar days after the Contract is awarded, or at the pre-construction meeting, whichever is first.

All cost of work and materials required to comply with the above requirements shall be included in the pay item bid prices, under which the subject materials and signal equipment are paid, and no additional compensation will be allowed. Materials and signal equipment not complying with the above requirements that have been installed on the job will be done at the Contractor's own risk and may be subject to removal and disposal at the Contractor's expense.

The Contractor must submit the following for approval by the Engineer:

- Three (3) complete set of manufacturer's descriptive literature, drawings, and specifications of the traffic signal equipment, handholes, junction box, cable, conduit and all associated items that will be installed on the contract. Partial or incomplete submittal will be returned without review.

- The contractor shall supply samples of all wire and cable, and shall make up and supply samples of each type of cable splice proposed for use in the work for the-Engineer's approval.
- Seven (7) complete shop drawings of the mast arm assemblies and poles including combination mast arm poles are required, showing in detail the fabrication, anchor bolts, reinforcing materials, design material, thickness of sections and weld sizes. These drawing shall be at least 11" x 17" (275mm x 425mm) in size and adequate quality for microfilming. Certain non-standard mast arm poles and assembles will require additional review. The Contractor shall account for additional review time in their schedule.

Seven (7) copies of a letter from the Traffic Signal Contractor on company letterhead listing contract number or permit number, project location limits, pay item number and description and listing the manufacturer's name and model numbers of the proposed equipment to be supplied and stating that the proposed equipment meets all Contract requirements. The letter will be reviewed by the Engineer to determine whether the equipment to be used is approvable. The letters will be stamped as approved or not approved accordingly and returned to the Contractor.

- Five (5) copies of a letter from the Traffic Signal Contractor listing the System Coordination and Timing (SCAT) consultant's name shall be supplied. The letter will be reviewed by the Engineer to determine whether the SCAT consultant to be used is approved. The letters will be stamped as approved or not approved accordingly and returned to the Contractor.
- Where certifications and/or warranties are specified. The information submitted for approval shall include certifications and warranties. Certifications involving inspections and/or tests of material shall be complete with all test data, dates and times.
- All above shall be stamped with the Section Number, Permit Number, or Contract Number and Intersection(s) name(s). Pay item numbers shall also be included. If the above required information is not on each sheet of the above literature or letters, the equipment and material cuts will not be reviewed and shall be returned to the Contractor.
- Exceptions, Deviations and Substitutions. In general, exceptions to and deviations from the requirements of the Contract Documents will not be allowed. It is the Contractor's responsibility to note any deviations from Contract requirements at the time of submittal and to make any requests for deviations in writing to the Engineer. In general, substitutions will not be acceptable. Requests for substitutions must demonstrate that the proposed substitution is superior to the material or equipment required by the Contract Documents. No exceptions, deviations or substitutions will be permitted without the approval of the Engineer.
- After the engineer reviews the submittals for conformance with the design concept of the project, the Engineer will stamp the drawings indicating their status. Since the Engineer's review is for conformance with design concept only. It is the Contractor's responsibility to coordinate the various items into a working system as specified. The Contractor shall not be relieved from responsibility for errors or omissions in the shop working, layout drawings, or other documents by the Departments approval thereof. The Contractor must be in full compliance with contract and specification requirements.

Maintenance and Responsibility.

Revise Article 801.11 to read as follows.

- a) Existing traffic signal installations and/or any electrical facilities at all or various locations may be altered or reconstructed totally or partially as part of the work on this Contract. The Contractor is hereby advised that all traffic control equipment, presently installed at these locations, may be the property of the State of Illinois, Department of Transportation, Division of Highways, Cook County Highway Department, Private Developer, or the Municipality in which they are located. Once the Contractor has begun any work on any portion of the project all traffic signals within the limits of this contract or those which have the item "Maintenance of Existing Traffic Signal Installation", "Temporary Traffic Signal Installation(s)" and/or "Maintenance of Existing Flashing Beacon Installation", shall become the full responsibility of the Contractor. Automatic Traffic Enforcement equipment is not owned by the County and the Contractor shall not be responsible for maintaining it during construction. The Contractor shall supply the engineer and the Department's Electrical Maintenance Contractor a 24-hour emergency contact name and telephone number.
- b) When the project has a pay item for "Maintenance of Existing Traffic Signal Installation", "Temporary Traffic Signal Installation(s)" and/or "Maintenance of Existing Flashing Beacon Installation", the Contractor must notify both the Design Engineer at (312) 603-1730 and the Department's Electrical Maintenance Contractor, of their intent to begin any physical construction work on the Contract or any portion thereof. This notification must be made a minimum of seven (7) working days prior to the start of construction to allow sufficient time for inspection of the existing traffic signal installation(s) and transfer of maintenance to the Contractor. If work is started prior to an inspection, maintenance of the traffic signal installation(s) will be transferred to the Contractor without an inspection. The Contractor will become responsible for repairing or replacing all equipment that is not operating properly or is damaged at no cost to the owner of the traffic signal. Final repairs or replacement of damaged equipment must meet the approval of the Engineer prior to or at the time of final inspection otherwise the traffic signal installation will not be accepted.
- c) Projects which call for the storage and re-use of existing traffic signal equipment shall meet the requirements of Article 801.15(C) of the Standard Specifications, which call for a 30 day test period prior to project acceptance.
- d) Contracts such as pavement grinding or patching which result in the destruction of traffic signal loops may not require maintenance transfer, unless a pay item of "Maintenance of Existing Traffic Signal Installation" is included in the project. When the pay item of "Maintenance of Existing Traffic Signal Installation" is not included, the Contractor is required to notify of intent to work and an inspection. A minimum of seven (7) working days prior to the loop removal, the Contractor shall notify the Design Engineer at (312) 603-1730, the Department's Electrical Maintenance Contractor and the owner of automatic traffic enforcement prior to the loop removal, at which time arrangements will be made to adjust the traffic controller timing to compensate for the absence of detection. Damaged Automatic Traffic Enforcement equipment, including cameras, detectors, or other peripheral equipment, shall be replaced by others, per Permit agreements or other agreements, at no cost to the contract except for City of Chicago projects in which the detectors

shall be replaced. See additional requirements in these specifications under Inductive Loop Detector.

- e) The Contractor is further advised that the existing traffic signal(s), and/or the existing temporary installation(s), must remain in operation during all construction stages except for the most essential down time. Any shutdown of the traffic signal installation(s), for a period to exceed fifteen (15) minutes, must have the prior approval of the Engineer. Such approval will generally only be granted during the period extending from 10:00 a.m. to 3:00 p.m. on weekdays. Shutdowns will not be allowed during inclement weather or during Holiday periods. Any other traffic signal shutdown, either for periods in excess of one (1) hour or outside of the 10:00 a.m. to 3:00 p.m. weekday period must have prior approval of the Engineer. The Contractor, prior to the commencement of his work, shall notify the State Electrical Maintenance Contractor, the Cook County Electrical Maintenance Contractor, or the concerned Municipality, of his intent to perform this work.
- f) The Contractor shall be fully responsible for the safe and efficient operation of the traffic signals. Any inquiry, complaint or request by the Department, the Department's Electrical Maintenance Contractor or the public, shall be investigated and repairs begun within one hour. Failure to provide this service will result in liquidated damages of \$500 per day per occurrence. In addition, the Department reserves the right to assign any work not completed within this timeframe to the Electrical Maintenance Contractor. All costs associated to repair this uncompleted work shall be the responsibility of the Contractor. Failure to pay these costs to the Electrical Maintenance Contractor within one month after the incident will result in additional liquidated damages of \$500 per month per occurrence. Unpaid bills will be deducted from the cost of the Contract. The Department's Electrical Maintenance Contractor may inspect any signaling device on the Department's highway system at any time without notification.
- g) Any proposed activity in the vicinity of a highway-rail grade crossing must adhere to the guidelines set forth in the current edition of the Manual on Uniform Traffic Control Devices (MUTCD) regarding work in temporary traffic control zones in the vicinity of highway-rail grade crossings which states that lane restrictions, flagging, or other operations shall not create conditions where vehicles can be queued across the railroad tracks. If the queuing of vehicles across the tracks cannot be avoided, a uniformed law enforcement officer or flagger shall be provided at the crossing to prevent vehicles from stopping on the tracks, even if automatic warning devices are in place.

Damage to Traffic Signal System.

Add the following to Article 801.12(b).

- a) Any damaged equipment or equipment not operating properly from any cause whatsoever shall be repaired with new equipment provided by the contractor at no additional cost to the Contract and/or owner of the traffic signal system all as approved by the Engineer. Final repairs or replacement of damaged equipment must meet the approval of the Engineer prior to or at the time of final inspection otherwise the traffic signal will not be accepted. Cable splices outside the controller cabinet will not be allowed.
- b) Automatic Traffic Enforcement equipment, such as Red Light Enforcement cameras, detectors, and peripheral equipment, damaged or not operating properly from any cause whatsoever, shall be the responsibility of the municipality or the Automatic Traffic Enforcement Company per Permit

agreement or other agreements. Except in the City of Chicago in which detectors are damaged due to a County project.

Traffic Signal Inspection (Turn – On).

Revise Article 801.15b to read as follows.

- a) The Contractor must have all electric work completed, the electrical service installation connected by the utility company and equipment field tested by the Vendor prior to the Department's "turn-on" field inspection. If in the event the Engineer determines the work is not complete and the inspection will require more than two (2) hours to complete, the inspection shall be canceled and the Contractor will be required to reschedule at another date. The maintenance of the traffic signals will not be accepted until all punch list work is corrected and re-inspected. The Department will not grant a field inspection until written certification is provided from the Contractor stating the equipment has been field tested and the intersection is operating according to Contract requirements.
- b) When the road is open to traffic, except as otherwise provided in Section 850 of the Standard Specification, the Contractor may request a turn-on and inspection of the completed traffic signal installation at each separate location. This request must be made to the Design Engineer at (312) 603-1730 a minimum of seven (7) working days prior to the time of the requested inspection. The Department will not grant a field inspection until notification is provided from the Contractor that the equipment has been field tested and the intersection is operating according to Contract requirements. The Department's facsimile number is (312) 603-9956. The Contractor must invite local fire department personnel to the turn-on when Emergency Vehicle Pre-emption (EVP) is included in the project. When the contract includes the item RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM, OPTIMIZE TRAFFIC SIGNAL SYSTEM, or TEMPORARY TRAFFIC SIGNAL TIMINGS, the Contractor must notify the SCAT Consultant of the turn-on schedule, as well as stage changes and phase changes during construction.
- c) The Contractor must have all traffic signal work completed and the electrical service installation connected by the utility company prior to requesting an inspection and turn-on of the traffic signal installation. The Contractor shall be responsible to provide a Police Officer to direct traffic at the time of testing.
- d) The Contractor shall provide a representative from the control Equipment Vendor's office to attend the traffic signal inspection for both permanent and temporary traffic signal turn-ons. Upon demonstration that the signals are operating and all work is completed in accordance with the Contract and to the satisfaction of the Engineer, the Engineer will then allow the signals to be placed in continuous operation. The Agency that is responsible for the maintenance of each traffic signal installation will assume the maintenance upon successful completion of this inspection.
- e) Acceptance of the traffic signal equipment by the Department shall be based upon inspection results at the traffic signal turn-on. If approved, traffic signal acceptance shall be verbal at the turn-on inspection followed by written correspondence from the Engineer. The Contractor shall be responsible for all traffic signal equipment and associated maintenance thereof until Departmental acceptance is granted.

- f) All equipment and/or parts to keep the traffic signal installation operating shall be furnished by the Contractor. No spare traffic signal equipment is available acceptable from the Department.
- g) All punch list work shall be completed within two (2) weeks after the final inspection. The Contractor shall notify the Design Engineer at (312) 603-1730 to inspect all punch list work. Failure to meet these time constraints shall result in liquidated damage charges of \$500 per month per incident.
- h) All cost of work and materials required to comply with the above requirements shall be included in the pay item bid prices under which the subject materials and signal equipment are paid and no additional compensation will be allowed. Materials and signal equipment not complying with the above requirements that have been installed on the job will be at the Contractor's own risk and shall be subject to removal and disposal at the Contractor's expense.
- i) The Contractor shall furnish the Cook County Highway Department with any special tools or wrenches that may be required for assembling or maintaining the control equipment and traffic control signal head assemblies.
- j) All control cable, when complete in place but before permanent connection, shall be subject to insulation tests at the discretion of the Engineer. The tests shall be made with approved insulation resistance testing equipment rated at 500 volts D.C. and witnessed by the Engineer. Results of these tests shall be submitted to the Department in written form, bearing the Engineers signature and shall become part of the project records. A final inspection of the traffic signal installation shall not be held until results of this insulation test have been received.
- k) All equipment such as new controllers and allied central equipment with the exception of cable, conduit, and other materials which require the use of the State of Illinois Materials Testing Laboratories, shall be built in the suppliers shop and inspected by a representative of this Department prior to the installation of such equipment, and upon approval of this equipment an inspection ticket will be issued to the Contractor by the inspection agency (State of Illinois Material Testing Laboratory or the Cook County Highway Mechanical-Electrical Section). The controller and allied control equipment shall be prepared in the suppliers shop and run under a load of a minimum of 500 watts per phase for at least 48 hours before it is inspected for proper operation and sequencing. After it passes this test an inspection ticket will be issued by the Cook County Highway Mechanical-Electrical Section representative and it can then be delivered to the job site for installation.
- l) Upon completion of the installation, a final inspection will be carried out by qualified representatives of the Highway Agencies involved.
- m) If the Contractor fails to comply with any of the aforementioned requirements, the County shall impose such sanction as it may determine to be appropriate including but not limited to withholding all payments to the Contractor on this contract until the provisions of this special provision are complete with and/or implementation of article 108.10 of the standard specifications.

At the final inspection it will be required that the Contractor will have submitted to the Engineer all necessary inspection tickets for all new equipment and materials installed under this Contract. If the Contractor has not obtained the inspection tickets on any portion of the new equipment and materials, the representative of this Department will have the authority to postpone the final inspection until such time as

the above has been satisfied. Any postponement of the final inspection for this reason shall not relieve the Contractor of his full maintenance responsibilities until such time as the installation is re-inspected and accepted by the County.

The County requires the following from the Contractor at traffic signal turn-on.

- 1) The Contractor shall, at the turn-on furnish one set of signal plans (24"x36") of record with field revisions marked in red ink to the maintaining agency.
- 2) Written notification from the Contractor and the Equipment Vendor of satisfactory field testing.
- 3) A knowledgeable representative of the controller equipment supplier shall be required at the permanent and temporary traffic signal turn-on. The representative shall be knowledgeable of both cabinet design and controller functions and shall have sufficient test and spare equipment to make the traffic signal installation operational.
- 4) A copy of the approved material letter.
- 5) One (1) copy of the operation and service manuals of the signal controller and associated control equipment.
- 6) Five (5) copies 11" x 17" (280 mm X 430 mm) or 22" x 34" (560 mm x 860 mm) of the cabinet wiring diagrams and cable logs.
- 7) The controller manufacturer shall supply a printed form, not to exceed 11" x 17" (280 mm x 430 mm), for recording the traffic signal controller's timings; backup timings, coordination splits, offsets, cycles; TBC; Time of Day, week and year programs; traffic responsive program, detector phase assignment, type and detector switching; and any other functions programmable from the keyboard. The form shall include a location, date, manufacturers name, controller model and software version. The form shall be approved by the Engineer and a minimum of three (3) copies must be furnished at each turn-on. The manufacturer must provide all programming information used within the controller at the time of turn-on.

Location of Underground State and County Maintained Facilities.

Revise Article 803 to read as follows.

If this contract requires the services of an electrical contractor, the Contractor shall be responsible at his/her own expense for locating existing IDOT and CCHD facilities prior to performing any work. If this contract does not require the services of electrical contractor, the Contractor may request one free locate for existing IDOT and CCHD electrical facilities from the Electrical Maintenance Contractor(s) prior to the start of any work. Additional requests may be at the expense of the Contractor. The location of underground traffic facilities does not relieve the Contractor of their responsibility to repair any facilities damaged during construction at their expense.

The exact location of all utilities shall be field verified by the Contractor before the installation of any components of the traffic signal system. For locations of utilities, locally owned equipment, and leased enforcement camera system facilities, the local Counties or Municipalities may need to be contacted, in the City of Chicago contact D.I.G.G.E.R. at (312) 744-7000 and for all other locations contact J.U.L.I.E. at 1-800-892-0123 or 811.

Basis of Payment. This work will not be paid for directly but shall be considered as incidental to the contract.

**SPECIAL PROVISION
FOR
CONSTRUCTION AT RAILROAD CROSSING**

Prior to the start of work, the Contractor is required to contact the railroad as listed below for requirements pertaining to construction in the vicinity of its existing railroad crossing and the proposed improvements and staged construction.

- 1) Prior to the start of any work the contractor is required to obtain, from the Railroad, a Right-Of-Entry Agreement with the Railroad. A sample is provided following this Special Provision.
- 2) The Contractor is required to use Railroad flagmen during construction.
- 3) The Contractor will be required to carry Railroad Protective Liability and Property Damage Liability Insurance in accordance with Article 107.11 of the Standard Specifications. The limits of liability shall be in accordance with Article 107.11 of the Standard Specifications unless otherwise noted. A separate policy is required for each railroad indicated below unless otherwise noted. SEE THE SPECIAL PROVISION FOR RAILROAD PROTECTIVE LIABILITY INSURANCE.

NAMED INSURED	NUMBER AND SPEED OF PASSENGER TRAINS	NUMBER AND SPEED OF FREIGHT TRAINS
---------------	---	---------------------------------------

GRAND TRUNK WESTERN RAILROAD COMPANY @ 16 DAILY FREIGHT TRAINS @ 50 MPH (Max.)

APPROVAL OF INSURANCE: The ORIGINAL and one CERTIFIED copy of each required policy shall be submitted to the Resident Engineer for approval. The Contractor will be advised when the Department has received approval of the insurance from the railroad(s). Before any work begins on railroad right-of-way, the Contractor shall submit to the Resident Engineer evidence that the required Railroad Protective Liability Insurance has been approved by the railroad(s). The Contractor shall also provide the Resident Engineer with the expiration date of each required policy.

The cost to the contractor for payments to the Railroad for all required permits, insurance, flagmen, cable locates, and any other requirements as dictated by the Railroad, shall be incidental to the contract. The County will not reimburse the contractor for these costs, and no additional compensation will be allowed.

Prior the start of work, the contractor shall present proof, to the County, of fulfilling the Railroad's permit and insurance requirements.

RIGHT OF ENTRY AGREEMENT

Date: _____

_____ (“Railroad Company”) hereby grants to _____ (“Licensee”), its employees, agents, invitees and users, a license, at Licensee’s sole cost, risk and expense, to enter Railroad Company’s property in the vicinity of _____ as further shown on Exhibit “A”, attached hereto and made a part hereof, for the sole and exclusive purpose of _____

Licensee shall not enter Railroad Company’s premises without having first given the Railroad Company’s Assistant Superintendent, _____ at (____ - ____ - ____) or his authorized representative at least three (3) days’ advance notice of the date Licensee plans to commence the work.

Railroad Company shall have the right, but not the duty, to view and inspect any activity or work on Railroad Company’s property. If in the sole opinion of the authorized representative of Railroad Company any of said activity or work is undesirable for any reason, Railroad Company shall have the right to terminate this Agreement, and Licensee’s license and permission to be on Railroad Company’s property, at once. Licensee hereby waives any claim it may have against Railroad Company for termination of this Agreement by Railroad Company.

Railroad Company shall have the right, but not the duty, to restrict Licensee’s activity on Railroad Company’s property in any way that Railroad Company may, in its sole opinion, deem necessary from time to time and shall also have the right, but not the duty, to require Licensee to adopt and take any safety precautions that Railroad Company may, in its sole opinion, deem necessary from time to time. Licensee shall be responsible for making sure that all tracks near where its employees, agents and contractors are located have been properly blue flagged or otherwise locked out from active train movements, but Railroad Company shall have the sole right to determine when tracks will be blue flagged or otherwise locked out, and the sole ability to blue flag or lock out any track.

AS A CONSIDERATION AND CONDITION WITHOUT WHICH THIS AGREEMENT WOULD NOT HAVE BEEN GRANTED, LICENSEE AGREES TO INDEMNIFY AND SAVE HARMLESS RAILROAD COMPANY, ITS PARENT, AFFILIATES, AND THEIR DIRECTORS, OFFICERS, EMPLOYEES AND AGENTS, AND TO ASSUME ALL LIABILITY FOR DEATH OR INJURY TO ANY PERSONS, INCLUDING, BUT NOT LIMITED TO, OFFICERS, EMPLOYEES, AGENTS, PATRONS AND LICENSEES OF THE PARTIES HERETO, AND FOR ALL LOSS, DAMAGE OR INJURY TO ANY PROPERTY, INCLUDING, BUT NOT LIMITED TO, THAT BELONGING TO THE PARTIES HERETO, TOGETHER WITH ALL EXPENSES, ATTORNEYS’ FEES AND

COSTS INCURRED OR SUSTAINED BY RAILROAD COMPANY, ITS PARENT, AFFILIATES, AND THEIR DIRECTORS, OFFICERS, EMPLOYEES AND AGENTS, WHETHER IN DEFENSE OF ANY SUCH CLAIMS, DEMANDS, ACTIONS AND CAUSES OF ACTION OR IN THE ENFORCEMENT OF THE INDEMNIFICATION RIGHTS HEREBY CONFERRED, IN ANY MANNER OR DEGREE CAUSED BY, ATTRIBUTABLE TO OR RESULTING FROM (I) THE GRANTING OF THE RIGHTS HEREIN CONTAINED OR THE EXERCISE OF THOSE RIGHTS BY LICENSEE, ITS TRANSFEREES, ASSIGNEES OR SUBCONTRACTORS (II) NEGLIGENCE OF THE LICENSEE, (III) THE FAILURE OF LICENSEE TO CONFORM TO CONDITIONS OF THIS AGREEMENT OR (IV) THE BREACH OF ANY TERM OF THIS AGREEMENT BY LICENSEE, ALL REGARDLESS OF THE NEGLIGENCE OF RAILROAD COMPANY, ITS PARENT, AFFILIATES, AND THEIR DIRECTORS, OFFICERS, EMPLOYEES AND AGENTS. AT THE ELECTION OF RAILROAD COMPANY, LICENSEE, UPON NOTICE TO THAT EFFECT, SHALL ASSUME OR JOIN IN THE DEFENSE OF ANY CLAIM BASED UPON ALLEGATIONS PURPORTING TO BRING SAID CLAIM WITHIN THE COVERAGE OF THIS SECTION.

Licensee shall furnish Railroad Company with a policy or policies of insurance acceptable to Railroad Company naming Railroad Company as an insured party, and protecting Railroad Company against any and all liability for personal injury (including death) or property damage directly or indirectly resulting from the granting or exercise of this Agreement and that said insurance be primary as it relates to this Agreement. Such insurance shall have a minimum combined single limit of \$5 million per occurrence, with an aggregate limit of \$10 million, with self-insured retentions acceptable to Railroad Company, and with no exclusion for working on or around railroad property or tracks. The insurance policy or policies must be furnished to and approved by Railroad Company prior to entry by Licensee upon Railroad Company's property.

Railroad Company's exercise or failure to exercise any rights under this Agreement shall not relieve Licensee of any responsibility under this Agreement, including, but not limited to, the obligation to indemnify Railroad Company as herein provided.

This Agreement is revocable solely at the option and discretion of Railroad Company immediately upon notice to Licensee, and shall not be transferred, assigned or subcontracted without the written consent of Railroad Company. Unless sooner revoked by Railroad Company, extended by written agreement or relinquished by act of Licensee, this Agreement shall terminate 90 days from the date first written above.

Upon termination of this Agreement, Licensee shall remove all of its property, leaving Railroad Company's premises in a neat and safe condition satisfactory to the Railroad Company's Assistant Superintendent or his authorized representative, failing in which Railroad Company may do so at Licensee's sole cost, risk and expense.

Licensee is not acting as an agent or contractor of Railroad Company in performing any work on the premises. Licensee shall be responsible for complying with all laws, rules, regulations, ordinances, and guidances applicable to the work it intends to do on Railroad Company's property. Licensee's employees and agents shall wear properly fitted personal protective equipment at all times while on Railroad Company's property pursuant to this Agreement.

By: _____

Title: Assistant Superintendent

<LICENSEE>

By: _____

Title: _____

EXHIBIT "A"
OUTLINE OF PREMISES

**SPECIAL PROVISION
FOR
SIGNAL HEAD, LIGHT EMITTING DIODE**

This work shall consist of furnishing and installing a traffic signal head or pedestrian signal head with light emitting diodes (LED) of the type specified in the plan or retrofitting an existing traffic signal head with a traffic signal module or pedestrian signal module with LEDs as specified in the plans.

LED signal heads (All Face and Section Quantities), (All Mounting Types) shall conform fully to the requirements of Sections 880 and 881 and Articles 1078.01 and 1078.02 of the Standard Specifications amended herein:

1. The LED signal modules shall be replaced or repaired if an LED signal module fails to function as intended due to workmanship or material defects within the first 60 months from the date of delivery. LED signal modules which exhibit luminous intensities less than the minimum values specified in Table 1 of the ITE Vehicle Traffic Control Signal Heads: Light Emitting Diode (LED) Circular Signal Supplement (June 27, 2005) [VTSCH] or applicable successor ITE specifications, or show signs of entrance of moisture or contaminants within the first 60 months of the date of delivery shall be replaced or repaired. The manufacturer's written warranty for the LED signal modules shall be dated, signed by an Officer of the company and included in the product submittal to the County.
 2. Each module shall consist of an assembly that utilizes LEDs as the light source in lieu of an incandescent lamp for use in traffic signal sections.
- (a) Physical and Mechanical Requirements
1. Modules can be manufactured under this specification for the following faces:
 - a. 12 inch (300 mm) circular, multi-section
 - b. 12 inch (300 mm) arrow, multi-section
 - c. 12 inch (300 mm) pedestrian, 2 sections
 2. The maximum weight of a module shall be 4 lbs. (1.8 kg).
 3. Each module shall be a sealed unit to include all parts necessary for operation (a printed circuit board, power supply, a lens and gasket, etc.), and shall be weather proof after installation and connection.
 4. Material used for the lens and signal module construction shall conform to ASTM specifications for the materials.
 5. The lens of the module shall be tinted with a wavelength-matched color to reduce sun phantom effect and enhance on/off contrast. The tinting shall be uniform across the lens face. Polymeric lens shall provide a surface coating or chemical surface treatment applied to provide abrasion resistance. The lens of the module shall be integral to the unit, convex with a smooth outer surface and made of plastic. The lens shall have a textured surface to reduce glare.

6. The use of tinting or other materials to enhance ON/OFF contrasts shall not affect chromaticity and shall be uniform across the face of the lens.
7. Each module shall have a symbol of the type of module (i.e. circle, arrow, etc.) in the color of the module. The symbol shall be 1 inch (25.4 mm) in diameter. Additionally, the color shall be written out in 1/2 inch (12.7mm) letters next to the symbol.

(b) Photometric Requirements

1. The minimum initial luminous intensity values for the modules shall conform to the values in Table 1 of the VTCSH (2005) for circular signal indications, and as stated in Table 3 of these specifications for arrow and pedestrian indications at 25°C.
2. The modules shall meet or exceed the illumination values stated in Article 1078.01(3)c of the Standard Specifications for circular signal indications, and Table 3 of these specifications for arrow and pedestrian indications, throughout the useful life based on normal use in a traffic signal operation over the operating temperature range.
3. The measured chromaticity coordinates of the modules shall conform to the chromaticity requirements of Section 4.2 of the VTCSH (2005) or applicable successor ITE specifications.
4. The LEDs utilized in the modules shall be AlInGaP technology for red, yellow, Portland orange (pedestrian) and white (pedestrian) indications, and GaN for green indications, and shall be the ultra bright type rated for 100,000 hours of continuous operation from -40°C to +74°C.

(c) Electrical

1. Maximum power consumption for LED modules is per Table 2.
2. Operating voltage of the modules shall be 120 VAC. All parameters shall be measured at this voltage.
3. The modules shall be operationally compatible with currently used controller assemblies (solid state load switches, flashers, and conflict monitors).
4. When a current of 20 mA AC (or less) is applied to the unit, the voltage read across the two leads shall be 15 VAC or less.
5. The LED modules shall provide constant light output under power. Modules with dimming capabilities shall have the option disabled or set on a non-dimming operation.
6. The individual LEDs shall be wired such that a catastrophic loss or the failure of one or more LED will not result in the loss of the entire module.

(d) Retrofit Traffic Signal Module

1. The following specification requirements apply to the Retrofit module only. All general specifications apply unless specifically superseded in this section.

2. Retrofit modules can be manufactured under this specification for the following faces:
 - a. 12 inch (300 mm) circular, multi-section
 - b. 12 inch (300 mm) arrow, multi-section
 - c. 12 inch (300 mm) pedestrian, 2 sections
 3. Each Retrofit module shall be designed to be installed in the doorframe of a standard traffic signal housing. The Retrofit module shall be sealed in the doorframe with a one-piece EPDM (ethylene propylene rubber) gasket.
 4. The maximum weight of a Retrofit module shall be 4 lbs. (1.8 kg).
 5. Each Retrofit module shall be a sealed unit to include all parts necessary for operation (a printed circuit board, power supply, a lens and gasket, etc.), and shall be weather proof after installation and connection.
 6. Electrical conductors for modules, including Retrofit modules, shall be 39.4 inches (1m) in length, with quick disconnect terminals attached.
 7. The lens of the Retrofit module shall be integral to the unit, shall be convex with a smooth outer surface and made of plastic or of glass.
- (e) The following specification requirements apply to the 12 inch (300 mm) arrow module only. All general specifications apply unless specifically superseded in this section.
1. The arrow module shall meet specifications stated in Section 9.01 of the Equipment and Material Standards of the Institute of Transportation Engineers (November 1998) [ITE Standards], Chapter 2 (Vehicle Traffic Control Signal Heads) for arrow indications.
 2. The LEDs arrow indication shall be a solid display with a minimum of three (3) outlining rows of LEDs and at least one (1) fill row of LEDs.
- (f) The following specification requirement applies to the 12 inch (300 mm) programmed visibility PV module only. All general specifications apply unless specifically superseded in this section.
1. The module shall be a module designed and constructed to be installed in a programmed visibility (PV) signal housing without modification to the housing.
- (g) The following specification requirements apply to the 12 inch (300 mm) Pedestrian module only. All general specifications apply unless specifically superseded in this section.
1. Each pedestrian signal LED module shall provide the ability to actuate the solid upraised hand and the solid walking person on one 12 inch (300mm) section.
 2. Two (2) pedestrian sections shall be installed. The top section shall be wired to illuminate only the upraised hand and the bottom section shall be the walking man.

3. "Egg Crate" type sun shields are not permitted. All figures must be a minimum of 9 inches (225mm) in height and easily identified from a distance of 120-feet (36.6m).

Basis of Payment. This item shall be paid for at the contract unit price EACH for SIGNAL HEAD, LED, or OPTICALLY PROGRAMMED SIGNAL HEAD, LED, PEDESTRIAN SIGNAL HEAD, LED, of the type specified, which price shall be payment in full for furnishing the equipment described above including signal head, LED(s) modules, all mounting hardware, and installing them in satisfactory operating condition. The type specified will indicate the number of signal faces, the number of signal sections, and the method of mounting.

When installed in an existing signal head, this item shall be paid for at the contract unit price EACH for SIGNAL HEAD, LED, OPTICALLY PROGRAMMED SIGNAL HEAD, LED, PEDESTRIAN SIGNAL HEAD, LED of the type specified, RETROFIT, which price shall be payment in full for furnishing the equipment described above including LED(s) modules, all mounting hardware, and installing them in satisfactory operating condition. The type specified will indicate the number of signal faces, the number of signal sections, and the method of mounting.

Table 2 Maximum Power Consumption (in Watts)

	Red		Yellow		Green	
	25°C	74°C	25°C	74°C	25°C	74°C
12 inch (300 mm) circular	11	17	22	25	15	15
12 inch (300 mm) arrow	9	12	10	12	11	11
	Hand-Portland Orange		Person-White			
Pedestrian Indication	6.2		6.3			

Table 3 Minimum Initial & Maintained Intensities for Arrow and Pedestrian Indications (in cd/m²)

	Red	Yellow	Green
Arrow Indication	5,500	11,000	11,000

**SPECIAL PROVISION
FOR
TRAFFIC SIGNAL BACKPLATE**

The furnishing and installation of this item shall meet the requirements of Section 882 and 1078.03 of the Standard Specifications, except as follows:

Backplates shall be aluminum and louvered with a minimum thickness of 0.05 inch (1.3 mm).

The surface of the backplate shall provide openings (louvers) to allow wind to penetrate and thereby reduce the wind loading on the mast arm and pole. The louver openings shall cover a minimum of twenty (20) percent of the surface area of the backplate. The louvers shall be designed not to deter the purpose of the backplate, which is to shield the signal lens from sunlight. The louvers shall be spaced symmetrically on the backplate in such a way as not to adversely affect its structural integrity.

When more than one backplate is mounted on a pole or post, their louvered symmetry shall be the same.

Basis of Payment. This work will be paid for at the contract unit price EACH for TRAFFIC SIGNAL BACKPLATE, Louvered, Aluminum, which price shall be payment in full for furnishing and installing the traffic signal backplate complete.

**SPECIAL PROVISION
FOR
TRAFFIC SIGNAL POST AND PEDESTRIAN PUSHBUTTON POST**

The furnishing and installation of this item shall meet the requirements of Sections 875, 876, 1077.01 and 1077.02 of the Standard Specifications, except as follows:

All posts (steel), bases (cast iron), and related mounting hardware shall be hot-dipped galvanized in accordance with AASHTO M 111. A magnetic field tester may be utilized at any time to determine the thickness of galvanization. Average galvanization thickness shall be 2.0 oz. per square foot and minimum thickness shall be 1.8 oz. per square foot. The Contractor shall use a fabric post tightener to attach the post to the base. If the galvanization on the post is removed using a chain post tightener exposing bare metal, the post shall be rejected and replaced with a new post.

If the fabricator elects to cut and thread the post after the galvanization process, the bare metal shall immediately be cleaned to remove all cutting solvents and oils, then sprayed with two (2) coats of "Brite Zinc" galvanized compound manufactured by Brite Products, or an approved equal. Any scratches shall be repaired with "Brite Zinc". If the Department approves painting, powder coating by the manufacturer will be required over the galvanizing.

Bases shall be cast iron and octagonal in shape, approximately 15 inches (375 mm) high and 16 inches (400 mm) across the flat sides at the bottom. All bases shall be designed to accept four (4) 5/8" (15.6 mm) diameter anchor bolts evenly spaced in a 12-1/2" (312 mm) diameter circle.

Welded extensions onto the post shall not be permitted.

Posts are to erected plumb and no shims are allowed between the bottom of the base and the foundation.

When a new post is installed on an existing foundation, the foundation shall be plumed before the post is installed. It shall not be paid for separately but shall be included in cost for Traffic Signal Post or Pedestrian Push-Button Post.

Basis of Payment. This work will be paid for at the contract unit price EACH for TRAFFIC SIGNAL POST, GALVANIZED STEEL, of the length specified or PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE I or TYPE II, which price shall be payment in full for furnishing and installing the traffic signal post, base, foundation for pedestrian post, nuts and washers, and pipe cap complete.

**SPECIAL PROVISION
FOR
STEEL MAST ARM ASSEMBLY AND POLE AND/OR STEEL
COMBINATION MAST ARM ASSEMBLY AND POLE**

The furnishing and installation of a steel mast arm assembly and pole and/or steel combination mast arm assembly and pole shall meet the requirements of Section 877 and 1077.03 of the Standard Specifications, Plans, and the Standard Drawings for Mast Arm Assembly and Pole, except as follows:

The steel mast arm assembly and pole and steel combination mast arm assembly and pole shall consist of a traffic signal mast arm, a Luminaire mast arm or davit (for combination pole only), a pole, and a base, together with anchor rods and other appurtenances. The configuration of the mast arm assembly, pole, and base shall be according to the details shown on the plans.

The mast arm assembly and pole, and combination mast arm assembly pole shall be designed for the loading shown on the Highway Standards or elsewhere on the plans whichever is greater. The design shall be according to AASHTO "Standard Specification for Structural Supports for Highway Signs, Luminaries And Traffic Signals" 1994 edition for 80 mph (130km/hr) wind velocity.

However, the arm to pole connection for tapered signal and Luminaire arms shall be according to the "ring plate" detail as shown in Figure 11-1(f) of the 2002 Interim, to the AASHTO "Standard Specification for Structural Supports for Highway Signs, Luminaire and Traffic Signals" 2001 4th edition.

Prior to the final acceptance of any steel mast arm assembly and pole and/or steel combination mast arm assembly and pole, the Contractor must furnish to the Engineer a certified, notarized mill analysis of the material used in the steel mast arm assembly and pole and/or steel combination mast arm assembly and pole complete including any other requirements in the Special Provision or Specifications.

The steel mast arm assembly and pole and/or steel combination mast arm assembly and pole furnished shall conform to the Standard Drawings for Mast Arm Assembly and Pole. The traffic signal mast arms shall be of one-piece construction, unless otherwise approved by the Engineer. All poles shall be galvanized.

All bolts on the mast arm assembly and pole and foundation to have a minimum exposure of at least one thread outside the nut when fully tightened.

The components of a steel mast arm assembly and pole and/or steel combination mast arm assembly and pole shall be assembled and erected in accordance with the details shown on the plans. The pole shall be erected vertically on a concrete foundation. The Contractor shall furnish and install leveling and locking nuts and required washers for mounting and plumbing the pole on the anchor bolts. Prior to the approval of the installation, the Contractor shall brush or spray on two (2) coats of "Brite Zinc" galvanized compound to any scratched areas. The pole shall be grounded to a ground rod in accordance with the details shown on the plans.

The base of the mast arm pole shall be protected by a galvanized steel or extruded aluminum shroud for protection of the mast arm pole base plate similar to the dimensions detailed in the "District 1 Standard Traffic Signal Design Details." The shroud shall be of sufficient strength to deter pedestrian and vehicular damage. The shroud shall allow air to circulate throughout the mast arm but not allow manifestation of insects or other animals and such that it is not hazardous to probing fingers and feet. All mounting hardware shall be stainless steel. The Shroud shall not be paid for separately but shall be included in the cost of the mast arm assembly and pole.

The steel mast arm assembly and pole and/or steel combination mast arm assembly and pole shall be designed to support signal heads, signs, illuminated signs, luminare, camera and other attachments as shown on the plans. Refer to the Standard Drawings for Mast Arm Assembly and Pole for design loadings and projected area with wind load based on an 80 mile per hour (130 km/h) wind velocity plus 30 percent gust factor.

Structural Steel Grade. The mast arm and pole shall be fabricated according to ASTM A 595, Grade A or B, ASTM A 572 Grade 55, or ASTM A 1011 Grade 55 HSLAS Class 2. The base and flange plates shall be of structural steel according to AASHTO M 270 Grade 50 (M 270M Grade 345). Luminaire arms and trussed arms 15 ft (4.5 m) or less shall be fabricated from one steel pipe or tube size according to ASTM A 53 Grade B or ASTM A 500 Grade B or C. All mast arm assemblies, poles, and bases shall be galvanized according to AASHTO M 111.

Fabrication. The design and fabrication of the mast arm assembly, pole, and base shall be according to the requirements of the Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals published by AASHTO. The mast arm and pole may be of single length or sectional design. If section design is used, the overlap shall be at least 150 percent of the maximum diameter of the overlapping section and shall be assembled in the factory.

Anchor Rods. The anchor rods shall be ASTM F 1554 Grade 105, coated by the hot-dip galvanizing process according to AASHTO M 232, and shall be threaded a minimum of 7 1/2 in. (185 mm) at one end and have a bend at the other end. The first 12 in. (300 mm) at the threaded end shall be galvanized. Two nuts, one lock washer, and one flat washer shall be furnished with each anchor rod. All nuts and washers shall be galvanized.

In addition to the signal loading, the steel mast arm assembly and pole, and/or steel combination mast arm assembly and pole shall be structurally adequate to support a maximum of two (2) sign panels 30" x 72" (750 mm x 1,800 mm) in size mounted back to back, one LED street sign 96 5/8" x 22 5/16" with 92 pounds and one (1) sign panels 30" x 24" (750 mm x 600 mm) in size mounted from 3 feet (900 mm) from end of the mast arm. The actual size and number of the sign panel(s) to be furnished and installed and the details of mounting shall be as shown on the County Standard Drawing of "ILLUMINATED STREET NAME SIGN MOUNTING DETAIL".

Signs attached to poles or posts (such as mast arm signs) shall have mounting brackets and sign channels which are equal to and completely interchangeable with those used by the Department. Signfix Aluminum Channel Framing System is currently recommended, but other brands of mounting hardware are acceptable based upon the Department's approval.

Basis of Payment. This work will be paid for at the contract unit price EACH for STEEL MAST ARM ASSEMBLY AND POLE, and/or STEEL COMBINATION MAST ARM ASSEMBLY AND POLE of the size(s) specified which price shall be payment in full for furnishing and installing the steel mast arm assembly and pole and/or steel combination mast arm assembly and pole, anchor bolts, nuts, washers, and connected to a ground rod as shown on the Standard, complete.

**SPECIAL PROVISION
FOR
TRAFFIC ACTUATED CONTROLLER
TRAFFIC ACTUATED CONTROLLER WITH CABINET
INDUCTIVE LOOP DETECTOR**

The furnishing and installation of a traffic actuated controller and an inductive loop detector shall meet the requirements of Section 857, 885, 1073, 1074.03 and 1079.01 of the Standard Specifications, except as revised with this Special Provision.

The new and/or temporary controller and all control equipment shall be of a manufacturer that is approved by this Department. The manufacturer shall have a representative located in the six (6) county Chicago areas. The Controller shall be NTCIP compliant NEMA TS2 type 1 Econolite ASC/3S-1000 or Eagle/Siemens M50 unless specified otherwise on the plans or elsewhere on these specifications. The controller shall be the most recent model and software version supplied by the manufacturer at the time of the approval and include the standard data key. The traffic signal controller shall provide features to inhibit simultaneous display of a circular yellow ball and a yellow arrow display. Individual load switches shall be provided for each vehicle, pedestrian, and right turn over lap phase. The controller shall prevent phases from being skipped during program changes and after all pre-emption events.

The malfunction monitor unit shall be an EDI Model MMU-16E or equivalent.

Contracts requiring new cabinets shall provide for rack mounted detector amplifier cards. Detector amplifiers shall be provided with LCD displays with loop frequency, inductance and change of inductance readings. When calling detectors are called for on the plans, the amplifier shall have the capability of providing vehicle calls to a particular phase when that phase is not in use.

Cabinets shall be designed for NEMA TS2 Type 1 operation. The cabinet shall provide a minimum of sixteen (16) pre-wired load bays for eight (8) phases of vehicular, four (4) phases of pedestrian and four (4) phases of overlap operation and pedestrian pushbutton isolation. Isolation cards will be required for all pedestrian pushbuttons.

- Cabinets – Provide 1/8" (3.2 mm) thick unpainted aluminum alloy 5052-H32. The surface shall be smooth, free of marks and scratches. All external hardware shall be stainless steel.
- Controller Harness – Provide a TS2 Type 2 "A" wired harness in addition to the TS2 Type 1 harness.
- Surge Protection – Plug-in type EDCO SHA-1250 or Atlantic/Pacific approved equal.
- BIU – Containment screw required.
- Transfer Relays – Solid state or mechanical flash relays are acceptable.
- Switch Guards – All switches shall be guarded.
- The controller cabinet must have two (2) porcelain light fixtures with metal cage protection controlled by a separate toggle switch, and a thermostat.
- Plan & Wiring Diagrams – 12" x 16" (305 mm x 406 mm) or 22" x 34" (560 mm x 860 mm) moisture sealed container attached to door.
- Detector Racks – Fully wired and labeled for four (4) channels of emergency vehicle pre-emption and sixteen channels (16) of vehicular operation.

- Field Wiring Labels – All field wiring shall be labeled.
- Field Wiring Termination – Approved channel lugs required.
- Power Panel – Provide a nonconductive shield.
- Circuit Breaker – The circuit breaker shall be sized for the proposed load but shall not be rated less than 30 amps.
- Police Door – Provide wiring and termination for plug in manual phase advance switch.
- Railroad Pre-Emption Test Switch – Eaton 8830K13 SHA 1250 or equivalent.

Controller and cabinet interconnected with railroads shall be new and NEMA TS2 type 1. In addition to the aforementioned equipment specifications, the following shall apply to railroad interconnected equipment:

Controller shall comply with Article 1073.01 as amended in these Traffic Signal Special Provisions.

Controller Cabinet and Peripheral Equipment shall comply with Article 1074.03 as amended in these Traffic Signal Special Provisions.

Add the following to Articles 1073.01 (c) (2) and 1074.03 (a) (5) (e) of the Standard Specifications:

Controllers and cabinets shall be new and NEMA TS2 Type 1 design.

A method of monitoring and/or providing redundancy to the railroad preemptor input to the controller shall be included as a component of the Railroad, Full Actuated Controller and Cabinet installation and be verified by the traffic signal equipment supplier prior to installation.

Railroad interconnected controllers and cabinets shall be supplied and assembled only by an approved IDOT closed loop traffic signal equipment supplier. All railroad interconnected (including temporary railroad interconnect) controllers and cabinets shall be new, built, tested and approved by the controller equipment vendor, in the vendor's District One facility, prior to field installation. The vendor shall provide the technical equipment and assistance as required by the Engineer to fully test this equipment.

Basis of Payment. This work will be paid for at the contract unit price EACH for INDUCTIVE LOOP DETECTOR, and/or FULL-ACTUATED CONTROLLER AND CABINET or RAILROAD, FULL ACTUATED CONTROLLER AND CABINET (if required) of the type specified, which price shall be payment in full for furnishing and installing the inductive loop detector complete with all harnesses and connections for proper operation, and/or for furnishing and installing the controller complete, including malfunction monitor unit, load switches, flashers, flash transfer relays, etc. in a new cabinet or an existing cabinet as specified, with the necessary connections for proper operation.

**SPECIAL PROVISION
FOR
DETECTOR LOOP**

This work shall consist of furnishing and installing detector loop in accordance with the requirements of Section 886 of the Standard Specifications, except as follows:

Description.

This work shall consist of furnishing and installing a detector loop in the pavement.

Procedure.

A minimum of seven (7) working days prior to the Contractor cutting loops, the Contractor shall have the proposed loop locations marked and contact the CCHD Design Engineer at (312) 603-1730 to inspect and approve the layout. When preformed detector loops are installed, the Contractor shall have them inspected and approved prior to the pouring of the portland cement concrete surface, using the same notification process as above.

Installation.

Each loop lead-in shall be placed in a separate conduit from edge of pavement to handhole. Loop detectors shall be installed according to the requirements of the "District 1 Standard Traffic Signal Design Details". Saw-cuts (homerun on preformed detector loops) from the loop to the edge of pavement shall be made perpendicular to the edge of pavement when possible in order to minimize the length of the saw cut (homerun on preformed detector loops) unless directed otherwise by the Engineer or as shown on the plans. Spacing between the lead-ins (holes drilled in the pavement) shall not be less than one (1) foot (300 mm) and shall be located one (1) foot (300 mm) from the edge of pavement. Loop lead-in wires should be twisted to provide a minimum of five (5) turns per foot (fifteen [15] turns per meter) from the loop to the splice.

The cable splice connection of the detector loop and the lead-in cable to the controller shall conform to Section 873 of the Standard Specifications or the requirements set forth in the "District 1 Standard Traffic Signal Design Details".

Each loop detector lead-in wire shall be labeled in the handhole using a Panduit PLFIM water proof tag or approved equal secured to each wire with nylon ties. The lead-in wire, including all necessary connections for proper operation, from the edge of pavement to the handhole shall be incidental to the price of the detector loop.

The detector loop cable insulation shall be labeled with the cable specifications.

Resistance to ground shall be a minimum of 100 megohms under any conditions of weather or moisture. Inductance shall be more than 50 and less than 700 microhenries. Quality readings shall be greater than 5.

Type 1:

- All loops installed in new asphalt pavement shall be installed in the binder course and not in the surface course. The edge of pavement or the curb shall be cut with a 1/4" (6.3 mm) x 4" (100 mm) long sawcut to mark the location of each loop lead-in.

- Loop sealant shall be a two-component thixotropic chemically cured polyurethane either Chemque Q-Seal 295, Perol Elastic Cement A/C Grade or an approved equal. The sealant shall be installed 1/8" (3 mm) below the pavement surface, if installed above the surface the overlap shall be removed immediately.
- Detector loop measurements shall include the sawcut and the length of the loop lead-in leading to the edge of pavement. The lead-in wire, including all necessary connections for proper operations, from the edge of pavement to the handhole, shall be incidental to the price of the detector loop. Unit duct, trench and backfill, and drilling of pavement or handholes shall be incidental to detector loop quantities.
- The corners of all loops shall be core drilled with a two (2) inch (50 mm) bit. All joints and cracks in the pavement that the loop crosses must be core drilled.

Preformed:

- This work shall consist of furnishing and installing a rubberized heat resistant preformed traffic signal loop in accordance with the Standard Specifications, except for the following:
- Preformed detector loops shall be installed in new pavement constructed of portland cement concrete using mounting chairs or tied to re-bar or the preformed detector loops may be placed in the sub-base. Loop lead-ins shall be extended to a temporary protective enclosure near the proposed handhole location. The protective enclosure shall provide sufficient protection from other construction activities and may be buried for additional protection.
- Handholes shall be placed next to the shoulder or back of curb when preformed detector loops enter the handhole. Non-metallic coilable duct, included in this pay item, shall be used to protect the preformed lead-ins from back of curb to the handhole.
- Preformed detector loops shall be factory assembled with ends capped and sealed against moisture and other contaminants. Homeruns and interconnects shall be pre-wired and shall be an integral part of the loop assembly. The loop configurations and homerun lengths shall be assembled for the specific application. The loop and homerun shall be constructed using 11/16" (17.2 mm) outside diameter (minimum), 3/8" (9.5 mm) inside diameter (minimum) Class A oil resistant synthetic cord reinforced hydraulic hose with 250 psi (1,720 kpa) internal pressure rating or a similar sized XLPE cable jacket. Hose for the loop and homerun assembly shall be one continuous piece. No joints or splices shall be allowed in the hose except where necessary to connect homeruns or interconnects to the loops. This will provide maximum wire protection and loop system strength. Hose tee connections shall be heavy duty high temperature synthetic rubber. The tee shall be of proper size to attach directly to the hose, minimizing glue joints. The tee shall have the same flexible properties as the hose to insure that the whole assembly can conform to pavement movement and shifting without cracking or breaking. For XLPE jacketed preformed loops, all splice connections shall be soldered, sealed, and tested before being sealed in a high impact glass impregnated plastic splice enclosure. The wire used shall be #16 THWN stranded copper.

The number of turns in the loop shall be application specific. Homerun wire pairs shall be twisted a minimum of four turns per foot. No wire splices will be allowed in the preformed loop assembly. The loop and homeruns shall be filled and sealed with a flexible sealant to insure complete moisture blockage and further protect the wire. The preformed loops shall be constructed to allow a minimum of 6.5 feet of extra cable in the handhole. Six foot (1.8 m) round loop(s) may be substituted for six foot (1.8 m) by six foot (1.8 m) square loop(s) and shall be paid for as 24 feet (7.2 m) of detector loop.

Method of Measurement.

This work will be measured for payment in feet (meters) in place. Type I detector loop will be measured along the sawed slot in the pavement containing the loop and lead-in, rather than the actual length of the wire. Preformed detector loops will be measured along the detector loop and lead-in embedded in the pavement, rather than the actual length of the wire.

Basis of Payment. This work will be paid for at the contract unit price per FOOT (METER) of DETECTOR LOOP, TYPE I or PREFORMED DETECTOR LOOP, as specified in the plans, which price shall be payment in full and for furnishing, installing and testing the Detector Loop and all related connections for proper operation.

**SPECIAL PROVISION
FOR
VIDEO DETECTION SYSTEM FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION**

This specification sets forth the minimum requirements for a system that detects vehicles on a roadway using only video images of vehicle traffic. In addition to the requirements described below, the video detection system shall meet or exceed the specifications of the Autoscope or the Iteris Vantage Plus systems.

1) General

a) System Hardware

The video detection system shall consist of one to six video cameras, a video detection processor (VDP) capable of processing from one to six video sources, and a pointing device. A minimum of a nine (9) inch in-cabinet video monitor is required for view and/or programming detector zones.

b) System Software

The system shall include software that detects vehicles in multiple lanes using only the video image. Detection zones shall be defined using only an on board video menu and a pointing device to place the zones on a video image. Up to 144 detection zones shall be available.

2) Functional Capabilities

- a) The VDP shall process video from up to 6 video sources simultaneously. The sources can be video cameras or S-VHS video tape players. The video shall be input to the VDP in R5170 format and shall be digitized and analyzed in real time. A separate microprocessor for each video input shall be used.
- b) The VDP shall detect the presence of vehicles in up to 24 detection zones per camera. A detection zone shall be approximately the width and length of one car.
- c) Detection zones shall be programmed via an on board menu displayed on a video monitor and a pointing device connected to the VDP. The menu shall facilitate placement of the detection zones quickly and easily.
- d) The VDP shall store up to three different detection zone patterns. The VDP can switch to any one of the three different detection patterns within 1 second of user request via menu selection with the pointing device.
- e) The VDP shall detect vehicles in real time as they travel across each detection zone.
- f) The VDP shall have an RS232 port for communications with an external computer. The VDP RS232 port shall be multi-drop capable.

- g) The VDP shall accept new detection patterns from an external computer through the RS232 port when the external computer uses the correct communications protocol for downloading detection patterns.
- h) The VDP shall send its detection patterns to an external computer through the RS-232 port when requested when the external computer uses the correct communications protocol for uploading detection patterns.

3) Vehicle Detection

- a) Up to 144 detection zones shall be supported and each detection zone can be sized to suit the site and the desired vehicle detection region.
- b) Detection zones shall be capable of being Or'ed or ANDed together to indicate vehicle presence on a single detector output channel.
- c) Placement of detection zones shall be done by using only a pointing device, and a graphical interface built into the YDP and displayed on a video monitor, to draw the detection zones on the video image from each video camera.
- d) Up to 3 detection zone patterns shall be saved for each camera within the VDP memory and this memory shall prevent loss during power outages.
- e) The selection of the detection zone pattern for current use shall be done through a menu. It shall be possible to activate a detection zone pattern from VDP memory and have that detection zone pattern available within 1 second of activation.
- f) When a vehicle is detected crossing a detection zone, the corners of the detection zone will flash on the video overlay display to confirm the detection of the vehicle.
- g) Detection shall be at least 98% accurate in good weather conditions, with slight degradation possible under adverse weather conditions (e.g. rain, snow, or fog) which reduce visibility. Detection accuracy is dependent upon camera placement, camera quality and detection zone location, and these accuracy levels do not include allowances for occlusion or poor video due to camera location or quality. See section 5.12 for recommended camera placement.
- h) The VDP shall provide 32 channels of detection through either a NEMA TS 1 port or a NEMA TS2 port.
- i) The VDP shall provide dynamic zone reconfiguration (DZR). DZR enables normal operation of existing detection zones when one zone is being added or modified during the setup process. The VDP shall output a constant call on any detector channel corresponding to a zone being modified.
- j) Detection zones shall be directional to reduce false detection from objects traveling in directions other than the desired direction of travel in the detection area.
- k) Detection zone setup shall not require site specific information such as latitude and longitude to be entered into the system.

- l) Detection zone setup shall not require temporal information such as date and time.
- m) The VDP shall process the video input from each camera using a separate microprocessor at 30 frames per second.
- n) The VDP shall output a constant call for each enabled detector output channel if a loss of video signal occurs. The VDP shall output a constant call during the background learning period.

Basis of Payment. Payment in full for furnishing, installing and setting up the video detection system, with necessary connections and programming for proper operation shall be included in the pay item for TEMPORARY TRAFFIC SIGNAL INSTALLATION.

**SPECIAL PROVISION
FOR
CONDUIT**

The installation of a conduit shall meet the requirements of Sections 810 of the Standard Specifications, except as revised with this Special Provision.

Pavement, driveways, and curbs shall not be removed to install electrical conduits.

All conduit installed underground shall have a minimum depth of two feet six inches (2'-6" [760 mm]) except under railroad tracks where the conduit shall be a minimum of five feet (5' [1.52 m]) as measured to the outside diameter of the conduit on the top side.

All conduit splices shall be solid threaded couplings. Conduit terminating in junction and pull boxes shall be terminated with hubs, integral box hubs, or integral box bosses.

Directional boring or plowing will be allowed in place of trenched and backfilled or pushed conduit, but no additional compensation will be allowed.

All conduit attached to a structure shall have a minimum of one (1) expansion joint placed within the length of the attached conduit. At each end of the structure the Contractor shall install a weatherproof galvanized cast iron box with a minimum size of 8" (200 mm) x 8" (200 mm) x 6" (150 mm) deep. The installation of these two (2) boxes and any required expansion joints shall be considered incidental to the unit price for conduit attached to structure.

Basis of Payment. This work will be paid for at the contract unit price per FOOT (METER) for CONDUIT IN TRENCH, CONDUIT PUSHED or CONDUIT ATTACHED TO STRUCTURE, of the type and size specified, which price shall be payment in full for furnishing and installing the conduit and fittings complete. Trench and Backfill will be paid for separately.

**SPECIAL PROVISION
FOR
COILABLE NON-METALLIC CONDUIT**

This work shall consist of furnishing and installing empty Coilable Non-Metallic Conduit (CNC) in trench of the type and size specified. The installation of CNC shall meet all applicable requirements of the Standard Specifications of Section 810 and 811. All installations of CNC shall be incidental to the contract and not paid for separately. polyethylene duct shall be used for all detector loop raceways to handholes. All duct shall be placed a minimum depth of 30 inches (750 mm) or as shown on the contract plans or standard details.

The conduit shall be a polyethylene duct which is intended for underground use and which can be manufactured and coiled or reeled in continuous transportable lengths and uncoiled for further processing and/or installation without adversely affecting its properties of performance. The conduit and its manufacture shall conform to the standards of NEMA Publication TC7, ASTM Standard Specifications D3485 and NEC Article 353.

On temporary traffic signal installations with detector loops, CNC shall be used for detector loop raceways from the saw-cut to 10 feet (3 m) up the wood pole, unless otherwise shown on the plans.

Material. The conduit shall be manufactured from high density polyethylene complying with ASTM D1248, Type III, Class C and the requirements listed in Table 2-1 of NEMA TC7. Submittal information shall demonstrate compliance with the details of these requirements.

Construction. Conduit dimensions shall conform to the standards listed in Table 2-2 of NEMA TC7. Submittal information shall demonstrate compliance with these requirements.

As specified in NEMA TC7, the conduit shall be clearly and durably marked at least every 10 feet (3 meters) with the material designation (HDPE for high density polyethylene), nominal size of the conduit and the name and/or trademark of the manufacturer.

Freeze-up Test: A ten foot length of the conduit bent into an upright "U" shape shall be filled with water and then placed in a low temperature cabinet and maintained at -20 degrees C for 24 hours. The conduit shall not crack or burst during the test.

Compression Test. The test shall be conducted on a six inch (150 mm) sample of the conduit. Samples are placed between six inch (150 mm) plates and compressed at the rate of one-half inch (12.5 mm) per minute until the distance between the plates is reduced by 50%, recording the load required to compress the conduit. The samples are then removed and allowed to stand for exactly 5 minutes. The load required to compress the sample shall be equal to or greater than that listed below and the conduit shall have returned to nor less than 85% of its original diameter at the end of the 5 minutes.

Nominal Size		Load
¾ inch.	20 mm	122 lbs.
1 inch.	25 mm	167 lbs.
1 ¼ inch.	30 mm	243 lbs.
1 ½ inch.	40 mm	297 lbs.
2 inch.	50 mm	387 lbs.

Tests. All of the tests referred to above and the applicable tests in the cited ASTM Standards shall be performed on the conduit at the manufacturer's plant and certified copies of the reports of the results of these tests shall be submitted to the Engineer prior to the installation of the CNC.

**SPECIAL PROVISION
FOR
TRENCH AND BACKFILL FOR ELECTRICAL WORK**

The constructing and backfilling of a trench shall meet the requirements of Section 819 of the Standard Specifications, except as follows:

The Trench shall not be less than two (2) feet six (6) inches (760 mm) in depth.

All trenches shall be backfilled as soon as possible after the installation of the conduit or cable. Any material excavated from the trenches, that in the opinion of the Engineer is satisfactory backfilling material, may be used for backfilling of trenches. Cinders, rocks or other deleterious materials will not be permitted in the backfilling material. Trenches under pavement, paved shoulders, curb, gutter, or sidewalk shall be backfilled with sand or stone screenings.

Basis of Payment. This work will be paid for at the contract unit price per FOOT (METER), measured in place, for TRENCH AND BACKFILL FOR ELECTRICAL WORK, which price shall include the cost of all excavation, furnishing and placing all backfill material, and the disposal of surplus excavations.

**SPECIAL PROVISION
FOR
ELECTRIC CABLE**

The installation of an electric cable shall meet the requirements of Section 873 and 1076.04 of the Standard Specifications and District One Standard Traffic Signal Design Details with the addition as the following:

The jacket for electric cable in this contract shall be of the polyvinyl chloride type meeting the requirements of IMSA 19-1. (Traffic signal cable shall be solid copper No. 14 unless otherwise specified in the plans or these Special Provisions). No other type of jacket will be allowed, except as follows:

The service cable may have a XLP jacket. Service cable may be single or multiple conductor cable.

Communications and lead-in cable shall have a gray or chrome jacket.

Electric cable sized No. 12 AWG and smaller shall be solid.

The length of cable slack shall be in accordance with District One Standard Traffic Signal Design Details.

The cable splice connection of the detector loop and the lead-in cable to the controller shall conform to Section 873 of the Standard Specifications or to the requirements set forth in the "District 1 Standard Traffic Signal Design Details".

Heat shrink splices shall be used according to "District 1 Standard Traffic Signal Design Details".

Basis of Payment. This work will be paid for at the contract unit price per FOOT (METER) for ELECTRIC CABLE of the type, size and number of conductors as specified, which price shall be payment in full for furnishing the material and making all electrical connections and installing the cable complete, measured as specified.

**SPECIAL PROVISION
FOR
SYSTEM GROUND AND GROUNDING CABLE**

This specification revises requirements of section 806 of the Standard Specifications to read:

General:

All traffic signal systems, equipment and appurtenances shall be properly grounded in strict conformance with the National Electrical Code. See IDOT District 1 traffic signal detail plan sheets for additional information.

The grounding electrode system shall include a ground rod installed with each traffic signal controller concrete foundation and all mast arm and post concrete foundations. An additional ground rod will be required at locations where measured resistance exceeds 25 ohms. Ground rods are included in the applicable foundation or service installation pay item and will not be paid for separately. All steel ground rods shall be copper clad, a minimum of 10' (3.0 m), and ¾" (20mm) in diameter.

Testing shall be according to Section 801.13(a) (4) and (5).

- a) The grounded conductor (neutral conductor) shall be white color coded. This conductor shall be bonded to the equipment grounding conductor only at the Electric Service Installation. All power cables shall include one neutral conductor of the same size.
- b) The equipment grounding conductor shall be green color coded. The following is in addition to Section 801.04 of the Standard Specifications.
 - 1) Equipment grounding conductors shall be XLP insulated 600V No.6 gauge copper, unless otherwise noted on the plans, and bonded to the grounded conductor (neutral conductor) only at the Electric Service Installation. The equipment grounding conductor is paid for separately and shall be continuous. The Earth shall not be used as the equipment grounding conductor.
 - 2) Equipment grounding conductors shall be bonded, using a listed grounded connector (Burdny type KC/K2C, as applicable or approved equal), to all traffic signal mast arm poles, traffic signal posts, pedestrian posts, pushbutton posts, pull boxes, handhole frames and covers, conduits and other metallic enclosures throughout the traffic signal wiring system, except where noted herein. Bonding shall be made with a splice and pigtail connected using a sized compression type copper sleeve, sealant tape and heat shrinkable cap. A listed electrical joint compound shall be applied to all conductor terminations, connector threads and contact points. Conduit grounding bushings shall be installed at all conduit terminations. Bonding to existing handhole frames and covers shall be paid for separately.
 - 3) All metallic and non-metallic raceways containing traffic signal circuit runs shall have a continuous equipment grounding conductor, except raceways containing only detector loop lead-in circuits, circuits under 50 volts and/or fiber optic cable will not be required to include an equipment grounding conductor.
 - 4) Individual conductor splices in handholes shall be soldered and sealed with heat shrink. When necessary to maintain effective equipment grounding, a full heat shrink shall be provided over individual conductor heat shrinks.

- c) The grounding electrode conductor shall be similar to the equipment grounding conductor in color coding (green) and size. The grounding electrode conductor is used to connect the ground rod to the equipment grounding conductor and is bonded to ground rods via exothermic welding, listed pressure connectors, listed clamps or other approved listed means.

GROUNDING CABLE

The cable shall meet the requirements of Section 817.02(b) of the "Standard Specifications". Unless otherwise noted on the plans, Traffic Signal Grounding Conductor shall be one conductor, #6 gauge copper, with a green color coded XLP jacket.

Basis of Payment. This work will be paid for at the contract unit price per FOOT (METER) for ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6, 1C, which price shall be payment in full for furnishing labor and material including grounding clamps, cable, splicing, exothermic welds, grounding connectors conduit grounding bushings, and hardware. All ground rods shall be incidental to the cost of associated items for Concrete Foundations and Service Installation.

**SPECIAL PROVISION
FOR
SERVICE INSTALLATION POLE MOUNTED**

This specification revises requirements of section 805 of the Standard Specifications to read:

All installations shall meet the requirements of the details in the "District 1 Standard Traffic Signal Design Details" and applicable portions of the Specifications. The electrical service installation shall be the electric service disconnecting means and it shall be identified as suitable for use as service equipment.

Materials.

- 1) General. The completed control panel shall be constructed in accordance with UL Std. 508A, Industrial Control Panel, and carry the UL label. Wire terminations shall be UL listed.
- 2) The cabinet shall be UL 50, NEMA Type 4X, unfinished single door design, fabricated from minimum 0.080-inch (2.03 mm) thick Type 5052 H-32 aluminum. Seams shall be continuous welded and ground smooth. Stainless steel screws and clamps shall secure the cover and assure a watertight seal. The cover shall be removable by pulling the continuous stainless steel hinge pin. The cabinet shall have an oil-resistant gasket and a lock kit shall be provided with an internal O-ring in the locking mechanism assuring a watertight and dust-tight seal. The cabinet shall be sized to adequately house all required components with extra space for arrangement and termination of wiring. A minimum size of 14-inches (350 mm) high, 9-inches (225 mm) wide and 8-inches (200 mm) in depth is required. The cabinet shall be channel mounted to a wooden utility pole using assemblies recommended by the manufacturer.
- 3) Surge Protector. Overvoltage protection, with LED indicator, shall be provided for the 120 volt load circuit by the means MOV and thermal fusing technology. The response time shall be <math>< 5n</math> seconds and operate within a range of -40C to +85C. The surge protector shall be UL 1449 Listed.
- 4) Circuit Breakers. Circuit breakers shall be standard UL listed molded case, thermal-magnetic bolt-on type circuit breakers with trip free indicating handles. 120 volt circuit breakers shall have an interrupting rating of not less than 65,000 rms symmetrical amperes. Unless otherwise indicated, the main disconnect circuit breaker for the traffic signal controller shall be rated 60 amperes, otherwise noted on the plans, 120 V and the auxiliary circuit breakers shall be rated 10 amperes, 120 V.
- 5) Fuses, Fuseholders and Power Indicating Light. Fuses shall be small-dimensional cylindrical fuses of the dual element time-delay type. The fuses shall be rated for 600 V AC and shall have a UL listed interrupting rating of not less than 10,000 rms symmetrical amperes at rated voltage. The power indicating light shall be LED type with a green colored lens and shall be energized when electric utility power is present.
- 6) Ground and Neutral Bus Bars. A single copper ground and neutral bus bar, mounted on the equipment panel shall be provided. Ground and neutral conductors shall be separated on the bus bar. Compression lugs, plus 2 spare lugs, shall be sized to accommodate the cables with the heads of the connector screws painted green for ground connections and white for neutral connections.

- 7) The Contractor shall notify the Commonwealth Edison Marketing Representative a minimum of 30 working days prior to the anticipated date of hook-up. This 30 day advance notification will begin only after the Commonwealth Edison Marketing Representative has received service charge payments from the Contractor. Prior to contacting the Commonwealth Edison marketing representative for service connection, the service installation, controller cabinet and cable must be installed for inspection by Commonwealth Edison.
- 8) Ground Rod. Ground rods shall be copper-clad steel, a minimum of 10' (3.0 meters) in length, and 3/4" (20 mm) in diameter. Ground rod resistance measurements to ground shall be 25 ohms or less. If necessary additional rods shall be installed to meet resistance requirements at no additional cost to the contract.

Installation:

- 1) General. The Contractor shall confirm the orientation of the traffic service installation and its door side with the engineer, prior to installation. All conduit entrances into the service installation shall be sealed with a pliable waterproof material.
- 2) Brackets designed for pole mounting shall be used. All mounting hardware shall be stainless steel. Mounting height shall be as noted on the plans or as directed by the Engineer.

The Contractor must request in writing for service and/or service modification within ten (10) days of contract award and must follow-up with the electric utility to assure all necessary documents and payment are received by the utility. The Contractor shall forward copies of all correspondence between the Contractor and utility company to the County Design Engineer. The loading form to be sent to the utility company shall be furnished by the County Design Engineer. The service agreement and sketch shall be submitted for signature to the County Design Engineer.

The Commonwealth Edison contact phone number is 866-639-3532

Basis of Payment. This work will be paid for at the contract unit price EACH for SERVICE INSTALLATION, POLE MOUNTED, which shall be payment in full for furnishing and installing the service installation complete. SERVICE INSTALLATION, POLE MOUNTED shall include the 3/4" (20 mm) grounding conduit, ground rod, and pole mount assembly. Any charges by the utility company to provide electrical services to the service installation will be paid for in accordance with Article 109.05 of the Standard Specifications.

**SPECIAL PROVISION
FOR
HANDHOLE**

The installation of a handhole shall meet the requirements of Section 814 of the Standard Specifications, with the addition as the following:

All handholes shall be concrete poured in place against undisturbed earth. No pre-cast concrete handholes will be accepted.

The handholes shall have an inside dimension of 21-1/2" (549 mm) minimum. Frames and lid openings shall match this dimension.

The cover of the handhole shall be labeled "TRAFFIC SIGNALS" with legible raised letters.

All conduits will enter the handhole at a depth of 30" (760 mm) except for the conduits between the curb and handhole for detector loops when the handhole is less than five (5) feet (1.52 m) from the detector loop. All conduit ends should be sealed with a waterproof sealant to prevent the entrance of contaminants into the handhole.

For grounding purposes the handhole frame shall have provisions for a 7/16" (15.875 mm) diameter stainless bolt cast into the frame. The covers shall have a stainless steel threaded stint extended from the eye hook assembly for the purpose of attaching the grounding conductor to the handhole frame and cover.

The minimum wall thickness for heavy duty hand holes shall be 12 inches (300 mm).

Steel cable hooks shall be coated with hot-dipped galvanization in accordance with AASHTO Specification M111. Hooks shall be a minimum of 1/2 inch (12.7mm) diameter with two 90 degree bends and extend into the handhole at least 6 inches (150 mm). Hooks shall be placed a minimum of 12 inches (300 mm) below the lid or lower if additional space is required.

The French drain shall be constructed of crushed stone or gravel, Gradation CA 5 or CA 7, and according to Section 601 of the Standard Specifications.

Basis of Payment. This work will be paid for at the contract unit price EACH for HANDHOLE, HEAVY-DUTY HANDHOLE, or DOUBLE HANDHOLE, which price shall be payment in full for all necessary excavating, backfilling, disposal of unsuitable materials, and furnishing all materials within the limits of the handhole.

**SPECIAL PROVISION
FOR
CONCRETE FOUNDATION**

The installation of a concrete foundation shall meet the requirements of Section 878 of the Standard Specifications, the Standard Drawing for Concrete Foundations and District One Standard Traffic Signal Design Details with the addition as the following:

All anchor bolts shall be according to Section 1006.09, except all anchor bolts shall be hot dipped galvanized a minimum of 12 in. (300 mm) from the threaded end.

All Type "A" foundations shall be a minimum depth of 48 inches (1220 mm).

Concrete Foundations, Type "C" for Traffic Signal Cabinets with Uninterruptible Power Supply (UPS) cabinet installations shall be a minimum of 72 inches (1830 mm) long and 31 inches (790 mm) wide. All Type "C" foundations shall be a minimum depth of 48 inches (1220 mm). The concrete apron in front of the Type IV or V cabinet shall be 36 in. x 48 in. x 5 in. (915 mm X 1220 mm X 130 mm). The concrete apron in front of the UPS cabinet shall be 36 in. x 67 in. x 5 in. (915 mm X 1700 mm X 130 mm). Anchor bolts shall provide bolt spacing as required by the manufacturer.

Concrete Foundations, Type "D" for Traffic Signal Cabinets shall be a minimum of 48 inches (1220 mm) long and 31 inches (790 mm) wide. All Type "D" foundations shall be a minimum depth of 48 inches (1220 mm). The concrete apron shall be 36 in. x 48 in. x 5 in. (910 mm X 1220 mm X 130 mm). Anchor bolts shall provide bolt spacing as required by the manufacturer.

Concrete Foundations, Type "E" for Mast Arm and Combination Mast Arm Poles shall meet the current requirements listed in the Highway Standards.

Foundations used for Combination Mast Arm Poles shall provide an extra 2-1/2 inch (65 mm) raceway.

No foundation is to be poured until the Resident Engineer gives approval as to the depth of the foundation.

Basis of Payment: This work will be paid for at the contract unit price per FOOT (METER) of depth for:

CONCRETE FOUNDATION, TYPE A
CONCRETE FOUNDATION, TYPE C
CONCRETE FOUNDATION, TYPE D
CONCRETE FOUNDATION, TYPE E - 30" (750 mm) Dia.
CONCRETE FOUNDATION, TYPE E - 36" (900 mm) Dia.
CONCRETE FOUNDATION, TYPE E - 42" (900 mm) Dia.

which price shall be payment in full for all necessary excavating or drilling, back filling, disposal of unsuitable material, form work, ground rods and furnishing all materials within the limits of the foundation.

**SPECIAL PROVISION
FOR
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT**

The removal of existing traffic signal equipment shall meet the requirements of Section 895.05 of the Standard Specifications, except as follows:

This work shall consist of removing the existing traffic signal equipment at an intersection as listed and as shown on the plans.

All equipment to be returned to an Agency shall be delivered by the Contractor to the Agency's Traffic Signal Maintenance Contractor's main facility. The Contractor shall contact the Agency's Electrical Maintenance Contractor to schedule an appointment to deliver the equipment. No equipment will be accepted without a prior appointment. All equipment shall be delivered within 30 days of removing it from the traffic signal installation. The Contractor shall provide 5 copies of a list of equipment that is to remain the property of the Agency, including model and serial numbers, where applicable. A list of equipment shall be signed by the Agency's Electrical Maintenance Contractor and fax to the County Engineer at (312) 603-9956. The Contractor shall also provide a copy of the contract plan or special provision showing the quantities and type of equipment. Controllers and peripheral equipment from the same location shall be boxed together (equipment from different locations may not be mixed) and all boxes and controller cabinets shall be clearly marked or labeled with the location from which they were removed. If equipment is not returned with these requirements, it will be rejected by the Agency's Electrical Maintenance Contractor. The Contractor shall be responsible for the condition of the traffic signal equipment from the time Contractor takes maintenance of the signal installation until the acceptance of a receipt drawn by the Agency's Electrical Maintenance Contractor indicating the items have been returned in good condition.

The traffic signal equipment which is to be removed and is to become the property of the Contractor shall be disposed of by them outside the right-of-way at their expense.

All equipment is to be disassembled so as to make for easy loading and storage into Agency stock as per the Engineers instructions.

Traffic signal equipment which is lost or not returned to the Department for any reason shall be replaced with new equipment meeting the requirements of these Specifications at no cost to the contract.

Basis of Payment. This work will be paid for at the contract unit price EACH for REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT per intersection which price shall be payment in full for removing the equipment, and storing and/or disposing of it as required. The salvage value of the equipment retained by the Contractor shall be reflected in this contract unit price.

**SPECIAL PROVISION
FOR
TEMPORARY TRAFFIC SIGNAL INSTALLATION**

This item shall consist of furnishing, installing, maintaining and removing a temporary traffic signal installation at an existing intersection as shown on the plans and as described herein including but not limited to temporary signal heads, emergency vehicle priority systems, interconnect, vehicle detectors, uninterruptible power supply, and signing. Temporary traffic signal controllers and cabinets interconnected to railroad traffic control devices shall be new. When temporary traffic signals will be operating within a county or local agency Traffic Management System, the equipment must be NTCIP compliant and compatible with the current operating requirements of the Traffic Management System. The energy charges for the operation of the traffic signal installation shall be paid for by others if the installation is replacing an existing signal. Otherwise charges shall be paid for under Section 109.05 of the Road Specifications.

Only an approved Equipment Vendor will be allowed to assemble the temporary traffic signal cabinet. Only controllers supplied by an approved Equipment Vendor will be approved for use on temporary traffic signals. Only an approved Closed Loop Equipment Vendor shall assemble and test a temporary railroad interconnected traffic signal cabinet. (Refer to Traffic Actuated Controller Specification). A representative of the approved control Equipment Vendor shall be present at the temporary traffic signal turn-on inspection.

All "railroad interconnected" temporary traffic signal controllers and cabinets shall be newly constructed. Only controllers and cabinets supplied by one of the IDOT District 1 approved closed loop Equipment Manufacturers will be allowed.

The installation of a temporary traffic signal installation shall meet the requirements of Section 890 and 801.11 of the Standard Specifications and the Standard Drawings, except as follows:

Equipment. The Contractor shall provide the following:

- All control equipment for the temporary traffic signals shall be furnished by the Contractor unless otherwise stated in the plans. On projects with multiple temporary traffic signal installations, all controllers shall be of the same manufacturer brand and model number with current software installed.
- Only controllers supplied by one of the Cook County Highway Department approved closed loop equipment manufacturers will be approved for use at temporary signal locations. Controllers used for temporary traffic signals shall be fully actuated NEMA microprocessor based with RS232 data entry ports compatible with the latest revision of monitoring software approved CCHD or District 1 installed in NEMA TS2 cabinets with 8 phase back panels, capable of supplying 255 seconds of cycle length and individual phase length settings up to 99 seconds. On projects with one lane open and two way traffic flow, such as bridge deck repairs, the temporary signal controller shall be capable of providing an adjustable all red clearance setting of up to 30 seconds in length.
- All temporary traffic signal controllers shall meet or exceed the requirements of section 857 with regards to internal time coordination and preemption. The controller settings shall be set in the field as directed by the Engineer.

- All railroad interconnected temporary controllers and cabinets shall be new and shall satisfy the requirements of Article 857.02 of the Standard Specifications as modified herein. Only controllers and cabinet supplied by one of the IDOT district 1 approved closed loop equipment manufactures will be allowed.
- All temporary traffic signal cabinets shall have a closed bottom made of aluminum alloy. The bottom shall be sealed along the entire perimeter of the cabinet base to ensure a water, dust and insect-proof seal. The bottom shall provide a minimum of two (2) 100 mm (4 inch) diameter holes to run the electric cables through. The 100 mm (4 inch) diameter holes shall have a bushing installed to protect the electric cables and shall be sealed after the electric cables are installed.
- Grounding shall be provided for the temporary traffic signal cabinet meeting or exceeding the applicable portions of the National Electrical Code, Section 807 of the Standard Specifications and shall meet the requirements of the District 1 and Cook County Traffic Signal Specifications for "Grounding of Traffic Signal Systems".
- All traffic signal sections and pedestrian signal sections shall be of the 12" (300 mm) type. Traffic signal section shall be LED with expandable view, unless otherwise approval by the Engineer. The temporary traffic signal heads shall be placed as indicated on the temporary traffic signal plan or as directed by the Engineer. The Contractor shall furnish enough cable slack to relocate heads to any position on the span wire or at locations illustrated on the plans for construction staging. The temporary traffic signal shall remain in operation during all signal head relocations. Each temporary traffic signal head shall have its own cable from the controller cabinet to the signal head. Signal heads shall be mounted no less than 17-ft and no more than 25-ft above the crown of the roadway. Signal heads with backplates shall be measured from the bottom of the backplate for minimum clearance and from the top signal section for maximum clearance.

Interconnect.

1. Temporary traffic signal interconnect shall be provided using fiber optic cable or wireless interconnect technology as specified in the plans. The Contractor may request, in writing, to substitute the fiber optic temporary interconnect indicated in the contract documents with a wireless interconnect. The Contractor must provide assurances that the radio device will operate properly at all times and during all construction staging. If approved for use by the Engineer, the Contractor shall submit marked-up traffic signal plans indicating locations of radios and antennas and installation details. If wireless interconnect is used, and in the opinion of the engineer, it is not viable, or if it fails during testing or operations, the Contractor shall be responsible for installing all necessary poles, fiber optic cable, and other infrastructure for providing temporary fiber optic interconnect at no cost to the contract.
2. The existing system interconnect and phone lines are to be maintained as part of the Temporary Traffic Signal Installation specified for on the plan. The interconnect shall be installed into the temporary controller cabinet as per the notes or details on the plans. All labor and equipment required to install and maintain the existing interconnect as part of the Temporary Traffic Signal Installation shall be included in the item Temporary Traffic Signal Installation. When shown in the plans, temporary traffic signal interconnect equipment shall be furnished and installed. The temporary traffic signal interconnect shall maintain interconnect communications throughout the entire signal system for the duration of the project.

3. Temporary wireless interconnect, complete. The radio interconnect system shall be compatible with Eagle or Econolite controller closed loop systems. This item shall include all materials, labor and testing to provide the completely operational closed loop system as shown on the plans. The radio interconnects system shall include the following components:
 - a. Rack or Shelf Mounted RS-232 Frequency Hopping Spread Spectrum (FHSS) Radio
 - b. Software for Radio Configuration (Configure Frequency and Hopping Patterns)
 - c. Antennas (Omni Directional or Yagi Directional)
 - d. Antenna Cables, LMR400, Low Loss. Max. 100-ft from controller cabinet to antenna
 - e. Brackets, Mounting Hardware, and Accessories Required for Installation
 - f. RS232 Data Cable for Connection from the radio to the local or master controller
 - g. All other components required for a fully functional radio interconnect system

All controller cabinet modifications and other modifications to existing equipment that are required for the installation of the radio interconnect system components shall be included in this item.

The radio interconnect system may operate at 900Mhz (902-928) or 2.4 Ghz depending on the results of a site survey. The telemetry shall have an acceptable rate of transmission errors, time outs, etc. comparable to that of a hardwire system.

The proposed master controller and telemetry module shall be configured for use with the radio interconnect at a minimum rate of 9600 baud.

The radio interconnect system shall include all other components required for a complete and fully functional telemetry system and shall be installed in accordance to the manufacturers recommendations.

The following radio equipment is currently approved for use in Region One/District One:
Encon Model 5100 and Intuicom Communicator II.

- All existing street name and intersection regulatory signs shall be removed from existing poles and relocated and securely fastened to the signal span wire. The signs shall be relocated to the new and/ or existing mast arm poles and posts at no extra cost.
- If lighted signs are existing they shall be taken down and stored by the Contractor and reflective street name signs shall be installed on the temporary signal. The existing lighted sign shall be installed at the updated intersection as part of this pay item.
- All emergency vehicle preemption equipment (light detectors, light detector amplifiers, confirmation beacons, etc.) as shown on the temporary traffic signal plans shall be provided by the Contractor. It shall be the Contractor's responsibility to contact the municipality or fire district to verify the brand of emergency vehicle preemption equipment to be installed prior to the contract bidding. The equipment must be completely compatible with all components of the equipment currently in use by the Agency. All light operated systems shall operate at a uniform rate of 14.035 Hz \pm 0.002, or as otherwise required by the Engineer, and provide compatible operation with other light systems currently being operated in the County. All labor and material required to install and maintain the emergency vehicle pre-emption installation shall be included in the item Temporary Traffic Signal Installation.

- All temporary traffic signal installations shall have vehicle detection installed as shown on the plans, or as directed by the Engineer. Pedestrian push buttons shall be provided for all pedestrian signal heads/phases as shown on the plans or as directed by the Engineer. All approaches shall have vehicular detection provided by Vehicle Detection System as shown on the plans or as directed by the Engineer. Video vehicle detection system shall be approved by CCHD prior to Contractor furnishing and installing. The Contractor shall install, wire, and adjust the alignment of the video vehicle detection system in accordance to the manufacturer's recommendations and requirements. The Contractor shall be responsible for adjusting the alignment of the video vehicle detection system for all construction staging changes and for maintaining proper alignment throughout the project. A representative of the approved control equipment vendor and the video detection vendor shall be present and assist the contractor in setting up and maintaining the video vehicle detection system. An in-cabinet video monitor shall be provided with all video vehicle detection systems and shall be included in the item Temporary Traffic Signal Installation.
- Uninterruptible Power Supply. When called for in the plans, the UPS cabinet shall be mounted to the temporary traffic signal cabinet and meet the requirements of UNINTERRUPTIBLE POWER SUPPLY in Divisions 800 and 1000 of these specifications.

All labor and material required to comply with these requirements shall be considered incidental to the bid price of temporary traffic signal installation.

Maintenance Procedures. The Contractor shall perform the following maintenance procedures for each temporary installation designated to remain in operation during construction.

The Contractor Shall:

- Have on staff electricians with IMSA Level II certification to provide signal maintenance.
- Patrol and inspect each installation every two (2) weeks for proper alignment of signal heads, light detectors, lamp failures, and general operation of the traffic signal.
- Check all controllers every two (2) weeks, which will include visually inspecting all timing intervals, relays, detectors, and pre-emption equipment to insure that they are functioning properly. This item includes, as routine maintenance, all portions of emergency vehicle pre-emption equipment.
- Provide immediate corrective action to replace burned out lamps or damaged sockets. When lamps are replaced, the reflector and lens shall be cleaned. All replacement lamps shall meet the approval of the Engineer. The Contractor shall repair or replace all defective equipment from any cause whatsoever.
- Maintain in stock at all times a sufficient amount of materials and equipment to provide effective temporary and permanent repairs.

- Provide immediate corrective action when any part or parts of the system fail to function properly. Two far side heads facing each approach shall be considered the minimum acceptable signal operation pending permanent repairs. A near right signal must also be maintained. When repairs at a signalized intersection require that the controller be disconnected and power is available, the Contractor shall place the traffic signal installation on flashing operation. The signals shall flash RED for all directions unless a different indication has been specified by the Engineer.
- The Contractor is required to place stop signs (R1-1-36) at each approach to the intersection as a temporary means of regulating traffic. At approaches, where a Yellow Flashing indication is necessary, as directed by the Engineer, stop signs will not be required. The Contractor shall furnish and equip all their vehicles assigned to the maintenance of traffic signal installations with a sufficient number of Stop Signs as specified herein. The Contractor shall maintain sufficient number of spare Stop Signs in stock at all times to replace Stop Signs which may be damaged or stolen.
- Replace defective or damaged equipment. If the proper sequence with full detection cannot be obtained immediately, a controller which will provide the proper sequence and full detection shall be installed within twelve (12) hours of removal of the original controller.
- The Contractor shall be required to maintain the existing type of equipment and sequence of operations during the period of time that the original control equipment is being overhauled
- Provide the Engineer with the names, addresses, and telephone numbers of two (2) persons qualified and assigned to the maintenance of the traffic signal installation. These people must be made available 24 hours per day, each and every day of the year for emergency calls by the Engineer.
- Respond to all emergency calls from the Department or municipality within one hour after notification and provide immediate corrective action. When equipment has been damaged or becomes faulty beyond repair, the Contractor shall replace it with new and identical equipment. The cost of furnishing and installing the replaced equipment shall be borne by the Contractor at no additional charge to the State or County. The Contractor may institute action to recover damages from a responsible third party. If at any time the Contractor fails to perform all work as specified herein to keep the temporary traffic signal installation in proper operating condition or if the Engineer cannot contact the Contractor's designated personnel, the Engineer shall have the State's or the County's Electrical Maintenance Contractor perform the maintenance work required. The State's or County's Electrical Maintenance Contractor shall bill the Contractor for the total cost of the work. The contractor shall pay this bill within thirty (30) days of the date of receipt of the invoice or the cost of such work will be deducted from the amount due the Contractor.

When temporary traffic signals are to be installed at locations where existing signals are presently operating, the Contractor shall be fully responsible for the maintenance of the existing signal installation as soon as any physical work begins on the contract or any portion thereof until which time the temporary signals are functioning and the existing signals are removed. In addition, seven days prior to assuming maintenance of the existing traffic signal installation(s) under this contract, the Contractor shall request that the Resident Engineer contact the Design Engineer at (312) 603-1730 for an inspection of the Installation(s). The Design Engineer shall establish a date and time of inspection and at this time shall check the installation to determine if any corrective work should be done by the State's or County's Electrical Maintenance Contractor or the Municipalities Contractor prior to the Contractor

taking over maintenance of the installation. The Resident Engineer, Engineer, and the Contractor shall mutually agree on the date of maintenance transfer to the Contractor for this section.

Temporary Traffic Signals for bridge projects shall follow the State Standards, Standard Specifications, Cook County Specifications and any plans for Bridge Temporary Traffic Signals included in the plans. The installation shall meet the Standard Specifications and all other requirements in this "Temporary Traffic Signal Installation" specification. In addition all electric cable shall be aerially suspended, at a minimum height of 18 feet (5.5 m), on temporary wood poles (Class 5 or better) of 45 feet (13.7 m), minimum height. The signal heads shall be span wire mounted or bracket mounted to the wood pole as shown in the plans or as directed by the Engineer. The Controller cabinet shall be mounted to the wood pole or as directed by the Engineer. Video vehicle detection may be used in place of the detector loops as approved by the Engineer.

Temporary Portable Traffic Signal for Bridge Projects.

1. Unless otherwise directed by the Engineer, temporary portable traffic signals shall be restricted to use on roadways of less than 8000 ADT that have limited access to electric utility service, shall not be installed on projects where the estimated need exceeds ten (10) weeks, and shall not be in operation during the period of November through March. The Contractor shall replace the temporary portable traffic signals with temporary span wire traffic signals noted herein at no cost to the contract if the bridge project or Engineer requires temporary traffic signals to remain in operation into any part of period of November through March. If, in the opinion of the engineer, the reliability and safety of the temporary portable traffic signal is not similar to that of a temporary span wire traffic signal installation, the Contractor shall replace the temporary portable traffic signals with temporary span wire traffic signals noted herein at no cost to the contract.
2. The controller and LED signal displays shall meet the Standard Specifications and all other requirements in this TEMPORARY TRAFFIC SIGNAL INSTALLATION specification".
3. Work shall be according to Article 701.18(b) of the Standard Specifications except as noted herein.
4. General.
 - a. The temporary portable bridge traffic signals shall be trailer-mounted units. The trailer-mounted units shall be set up securely and level. Each unit shall be self-contained and consist of two signal heads. The left signal head shall be mounted on a mast arm capable of extending over the travel lane. Each unit shall contain a solar cell system to facilitate battery charging. There shall be a minimum of 12 days backup reserve battery supply and the units shall be capable of operating with a 120 V power supply from a generator or electrical service.
 - b. All signal heads located over the travel lane shall be mounted at a minimum height of 17 feet (5m) from the bottom of the signal back plate to the top of the road surface. All far right signal heads located outside the travel lane shall be mounted at a minimum height of 8 feet (2.5m) from the bottom of the signal back plate to the top of the adjacent travel lane surface.
 - c. The long all red intervals for the traffic signal controller shall be adjustable up to 250 seconds in one-second increments.
 - d. As an alternative to detector loops, temporary portable bridge traffic signals may be equipped with video detection or other approved methods of vehicle detection and traffic actuation.

- e. All portable traffic signal units shall be interconnected using hardwire communication cable. Radio communication equipment may be used only with the approval of the Engineer. If radio communication is used, a site analysis shall be completed to ensure that there is no interference present that would affect the traffic signal operation. The radio equipment shall meet all applicable FCC requirements.
- f. The temporary portable bridge traffic signal system shall meet the physical display and operational requirements of conventional traffic signals as specified in Part IV and other applicable portions of the currently adopted version of the Manual on Uniform Traffic Control Devices (MUTCD). The signal system shall be designed to continuously operate over an ambient temperature range between -30 °F (-34 °C) and 120 °F (48 °C). When not being utilized to inform and direct traffic, portable signals shall be treated as nonoperating equipment according to Article 701.11.
- g. Basis of Payment. This work will be paid for according to Article 701.20(c).

Basis of Payment: This work will be paid for at the contract unit price EACH for TEMPORARY TRAFFIC SIGNAL INSTALLATION, TEMPORARY BRIDGE TRAFFIC SIGNAL INSTALLATION or TEMPORARY PORTABLE BRIDGE TRAFFIC SIGNAL INSTALLATION, which price shall include all costs for the modifications required for traffic staging, changes in signal phasing as required in the Contract plans, , video vehicle detection system, any maintenance or adjustment to the video vehicle detection system, all material required, the installation and complete removal of the temporary traffic signal. Sixty percent of the bid price will be paid following approval of each installation. The remaining 40 percent will be paid following removal of each installation.

**SPECIAL PROVISION
FOR
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION**

This item shall consist of maintaining the existing traffic signal installation at an intersection as shown on the plans and as described herein. Full maintenance responsibility shall start as soon as the Contractor begins any physical work on the contract or any portion thereof. The energy charges for the operation of the traffic signal installation shall be paid for by others. The maintenance of an existing traffic signal installation shall meet the requirements of Section 801.11 and 850 of the Standard Specifications except as follows:

This item shall include maintenance of all traffic signal equipment at the intersection, including emergency vehicle pre-emption equipment, master controllers, uninterruptible power supply (UPS and batteries) telephone service installations, communications cables and conduit to adjacent intersections, and other traffic signal equipment, but shall not include Automatic Traffic Enforcement equipment, such as Red Light Enforcement cameras, detectors, or peripheral equipment, not owned by the State and County.

Seven days prior to assuming maintenance of the existing traffic signal installation(s) under this contract, the Contractor shall request that the Resident Engineer contact the Cook County Design Engineer at (312) 603-1730 for an inspection of the installation(s). The Design Engineer shall establish a date and time of inspection and at this time shall check the installation to determine if any corrective work should be done by the State, the County, or the Municipalities Electrical Maintenance Contractor prior to the Contractor taking over the maintenance of the installation(s). The Resident Engineer, the Design Engineer, and the State, County, or Municipality Maintenance Contractor and the Contractor shall mutually agree on the date of maintenance transfer to the Contractor for this contract.

Maintenance Procedures The Contractor shall perform the following maintenance procedures for each existing installation designated to remain in operation during construction:

- Have on staff electricians with IMSA Level II certification to provide signal maintenance.
- Patrol and inspect each installation every two (2) weeks for proper alignment of signal heads, light detectors, lamp failures, and general operation of the traffic signal.
- Check all controllers every two (2) weeks, which will include visually inspecting all timing intervals, relays, detectors, and pre-emption equipment to insure that they are functioning properly. This item includes, as routine maintenance, all portions of emergency vehicle pre-emption equipment.
- Provide immediate corrective action to replace burned out lamps or damaged sockets. When lamps are replaced, the reflector and lens shall be cleaned. All replacement lamps shall meet the approval of the Engineer. The Contractor shall repair or replace all defective equipment from any cause whatsoever.
- Maintain in stock at all times a sufficient amount of materials and equipment to provide effective temporary and permanent repairs.

- Provide immediate corrective action when any part or parts of the system fail to function properly. Two far side heads facing each approach shall be considered the minimum acceptable signal operation pending permanent repairs. A near right signal must also be maintained. When repairs at a signalized intersection require that the controller be disconnected or otherwise removed from normal operation, and power is available, the Contractor shall place the traffic signal installation on flashing operation. The signals shall flash RED for all directions unless a different indication has been specified by the Engineer. The Contractor is required to place stop signs (R1-1-36) at each approach to the intersection as a temporary means of regulating traffic. At approaches, where a Yellow Flashing indication is necessary, as directed by the Engineer, stop signs will not be required. When the signals operate in flash, the Contractor shall furnish and equip all his vehicles assigned to the maintenance of traffic signal installations with a sufficient number of Stop Signs as specified herein. The Contractor shall maintain sufficient number of spare Stop Signs in stock at all times to replace Stop Signs which may be damaged or stolen.
- Replace defective or damaged equipment. If the proper sequence with full detection cannot be obtained immediately, a controller which will provide the proper sequence and full detection shall be installed within twelve (12) hours of removal of the original controller.
- The Contractor shall be required to maintain the existing type of equipment and sequence of operations during the period of time that the original control equipment is being overhauled
- Provide the Engineer with the names, addresses, and telephone numbers of two (2) persons qualified and assigned to the maintenance of the traffic signal installation. These people must be made available 24 hours per day, each and every day of the year for emergency calls by the Engineer.
- Respond to all emergency calls from the Department or others within one hour after notification and provide immediate corrective action. When equipment has been damaged or becomes faulty beyond repair, the Contractor shall replace it with new and identical equipment. The cost of furnishing and installing the replaced equipment shall be borne by the Contractor at no additional charge to the State or County. The Contractor may institute action to recover damages from a responsible third party. If at any time the Contractor fails to perform all work as specified herein to keep the traffic signal installation in proper operating condition or if the Engineer cannot contact the Contractor's designated personnel, the Engineer shall have the State's or the County's Electrical Maintenance Contractor perform the maintenance work required. The State's or County's Electrical Maintenance Contractor shall bill the Contractor for the total cost of the work. The contractor shall pay this bill within thirty (30) days of the date of receipt of the invoice or the cost of such work will be deducted from the amount due the Contractor. The Contractor shall allow the Electrical Maintenance Contractor to make reviews of the Existing Traffic Signal Installation that has been transferred to the Contractor for Maintenance.

Traffic signal equipment which is lost or not returned to the Department for any reason shall be replaced with new equipment meeting the requirements of the Standard Specifications and these special provisions.

Basis of Payment. This work will be paid for at the contract unit price EACH for MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION, which price shall be payment in full for all materials, equipment, and labor necessary to maintain the existing traffic signals as shown on the plans. Each intersection shall be paid for separately. Following the completion of the traffic signal maintenance transfer

to the Contractor, 30 percent of the bid price will be paid. Following the traffic signal maintenance transfer to County, state and/or local agency, 30 percent of the bid price will be paid. The remaining 40 percent will be paid when all items on the punch list are done to the satisfaction of the engineer.

**SPECIAL PROVISION
FOR
EMERGENCY VEHICLE PRIORITY SYSTEM**

The installation of an emergency vehicle priority system shall meet Sections 887 and 1072 of the Standard Specifications, except as revised with this Special Provision.

It shall be the Contractor's responsibility to contact the municipality or Fire District to verify the brand of emergency vehicle pre-emption equipment to be installed prior to the Contract bidding. The equipment must be completely compatible with all components of the equipment currently in use by the Agency. A letter from the Agency is to be included with equipment submittals indicating what brand of equipment is acceptable to the Agency.

All new installations shall be equipped with confirmation beacons as shown on the "District 1 Standard Traffic Signal Design Details". The confirmation beacon shall consist of a 6 watt Par 38 LED flood lamp with a 30 degree light spread, maximum 6 watt energy consumption at 120V and a 2000 hour warranty for each direction of pre-emption. The lamp shall have an adjustable mount with a weatherproof enclosure for cable splicing. All hardware shall be cast aluminum or stainless steel. Holes drilled into signal poles, mast arms, or posts shall require rubber grommets. In order to maintain uniformity between communities, the confirmation beacons shall indicate when the control equipment receives the pre-emption signal. The pre-emption movement shall be signaled by a flashing indication at the rate specified by Section 4D-11 of the "Manual On Uniform Traffic Control Devices" and other applicable sections of future editions. The stopped pre-empted movements shall be signaled by a continuous indication.

All light operated systems shall include security and transit preemption software and operate at a uniform rate of 14.035 Hz +0.002, or as otherwise required by the Engineer, and provide compatible operation with other light systems currently being operated in the County.

The pre-emption detector amplifier shall be paid for on a basis of one (1) each per intersection controller and shall provide operation for all movements required in the pre-emption phase sequence.

Basis of Payment. This work will be paid for at the Contract unit price EACH for LIGHT TRANSMITTER, LIGHT DETECTOR, or LIGHT DETECTOR AMPLIFIER which price shall be payment in full for furnishing and installing the light transmitter, light detector, or light detector amplifier complete, with necessary connections for proper operation. The furnishing and installing of a confirmation beacon shall be included in the cost of the LIGHT DETECTOR.

The lead-in cable will be paid for at the contract unit price per FOOT (METER) for ELECTRIC CABLE IN CONDUIT, NO. 20, 3/C, TWISTED, SHIELDED or ELECTRIC CABLE AERIAL SUSPENDED, NO. 20, 3/C, TWISTED, SHIELDED which price shall be payment in full for furnishing and installing the lead-in cable and making all electrical connections. The electric cable shall be shielded and have three (3) stranded conductors colored blue, orange, and yellow with a stranded tinned copper drain wire. The cable shall meet the requirements of the manufacturer of the Emergency Vehicle Priority System Equipment.

**SPECIAL PROVISION
FOR
CONFIRMATION BEACON SYSTEM**

The installation of a confirmation beacon system shall be installed into an existing emergency vehicle priority system as shown on the plans and as stated herein.

The confirmation beacon shall consist of a Par 38 flood lamp with a 30 degree light spread, maximum 6 watt energy consumption at 120V and a 2000 hour warranty for each direction of pre-emption. The lamp shall have an adjustable mount with a weatherproof enclosure for cable splicing. All hardware shall be cast aluminum or stainless steel. Holes drilled into signal poles, mast arms or posts shall require rubber grommets. In order to maintain uniformity between communities, the confirmation beacons shall indicate when the control equipment receives the pre-emption signal. The pre-emption movement shall be signalized by a flashing indication at the rate specified by Section 4D-11 of the "Manual on Uniform Traffic Control Devices". The stopped pre-emption movements shall be signalized by a continuous indication.

Basis of Payment. The confirmation beacon will be paid for at the contract unit price EACH for CONFIRMATION BEACON SYSTEM, which price shall be payment in full for furnishing and installing the confirmation beacon complete, with necessary connections for proper operation. The confirmation beacon system shall be paid for on a basis of one (1) each per intersection and shall provide confirmation beacons for all movements required in the pre-emption system.

**SPECIAL PROVISION
FOR
RELOCATE EXISTING LIGHT STANDARD AND
LUMINAIRE COMPLETE IN PLACE**

This item shall consist of removing a light standard and luminaire from its existing location and reinstalling the lighting unit on a new foundation (if needed), at another location, new wire from luminaire terminal block to pole handhole, splicing to existing circuit, as required, or as directed by the Engineer. The contractor shall take due precautions during the removal and relocation operations to prevent any damage to the pole or the luminaire. Any damages sustained shall be repaired or replaced at the sole expense of the contractor, to the satisfaction of the Engineer.

When relocating wooden lighting standards, the existing wood pole shall be removed and disposed of by the contractor. A new wood pole of the same type and size shall be furnished and installed complete. The existing mast arm and luminaire shall be relocated to the new wood pole.

Contact the Village Engineer for details of relocation.

The new foundation (if needed) will not be paid for separately but shall be included in this work and shall be of the same type as is existing. The removal and reinstallation of screw in type foundations will not be paid for separately but shall be included in this work.

The new cable and/or unit duct with cable, if required, shall be of the same type as existing and will not be paid for separately but shall be included in this work. The new cable and/or unit duct with cable if necessary shall be brought back to the next light standard or service installation.

All splicing shall be with an approved underground splice kit and will not be paid for separately but shall be included in this work.

One black and one white #10 wire shall be provided in each pole from the terminal block of the luminaire fixture to the pole handhole. Wires shall be continuous from fixture to base of pole. Splices are to be made in the pole handhole. The wire shall be #10 A.W.G. type THHN 600 volt. Quick disconnect in-line fuse holders must be installed in each line of each pole relocated.

Special Tools: The Contractor shall furnish the Cook County Highway Department with any special tools or wrenches that may be required for assembling or maintaining the Lighting Unit and Control Equipment.

Installation: The Electrical Contractor shall coordinate the cable trenching, placement and backfilling operations with the various Contractors involved in the roadway construction so that the cable will not be damaged by (A) the use of a mechanized road building equipment in the area where underground cable is or will be in existence, (B) stone or other foreign materials falling into the trench or mixing into the trench backfill material.

All wiring, connecting and grounding shall conform to the latest publication of the National Electrical Code.

All splices, taps and grounding connections shall be inspected by an inspector of the Cook County Highway Department, before wires are permanently trained in the handholes.

When splices are made in handholes or manholes the splices, when cables are trained around sides of handhole, shall be so trained that they area minimum of six inches above the conduit entrances to handhole.

All ends of conduit terminating in the control cabinet shall be blocked with a neoprene plug, as indicated on the control cabinet plan and sealed with an approved sealing compound.

Field Tests and Inspection Procedure:

- (a) All secondary cable, complete shall be subjected to insulation tests after such cable is installed and before luminaries are connected into their respective circuits. Such tests shall be carried out by use of approved insulation resistance testing equipment with a minimum rating of 500 V DC and shall be witnessed by representatives of the Cook County Highway Department.

A minimum reading of five (5) megohms shall be required for each individual circuit.

- (b) The completed installation shall be inspected by the Contractor and the Engineer, in accordance with Field Check List and data sheets as issued by this Department for this installation. One copy of such completed data sheets shall be returned to this Department.
- (c) Upon approval of the items listed above, a Final Inspection will be carried out by qualified representatives of the Highway Agencies involved.

The cost of all field tests and inspection procedures as outlines herein shall be considered incidental to the Contract.

Connections to Existing Work.

Where new work connects to existing work, the Contractor shall do all necessary cutting and fitting to the existing work and shall remove all existing work as required to make satisfactory connections with the work to be performed under the contract so as to leave the entire work in a finished and workmanlike manner as approved by the Engineer.

The Contractor shall furnish all labor and materials to the furtherance of this end, whether or not they are distinctly shown on the plans, in any of the STANDARD SPECIFICATIONS or in these Special Provisions. All such work shall be considered incidental to this Contract unless specifically shown in the Summary of Quantities, for this Section.

Roadway lighting systems which are being replaced/relocated must remain in operation throughout the project. No lighting circuit or portion thereof shall be removed from night time operation without the approval of the Engineer. The Contractor shall patrol the lighting systems once every two weeks to check for any problems. The portions of the lighting system to be maintained are the circuits under construction in this project. If the Contractor needs to gain access to the lighting controller, they must contact the maintenance agency. The maintenance will be paid for under the pay item of "MAINTENANCE OF LIGHTING SYSTEM".

When damage occurs to any existing electrical systems during this contract, the Engineer will designate the repairs as emergency or non-emergency in nature. Non-emergency repairs shall be performed by the Contractor within six working days following discovery or notification, to the satisfaction of the Engineer. Emergency repairs shall be performed when three or more lights on a circuit or three successive lights are not operational. The work must be completed within 48 hours. Knocked down equipment which results in a danger to the motoring public will be considered an emergency repair and responded to within one hour of notification.

The Engineer shall coordinate the maintenance transfer with all agencies involved.

Basis of Payment. This item will be paid for at the contract unit price EACH for RELOCATE EXISTING LIGHT STANDARD AND LUMINAIRE COMPLETE IN PLACE which price shall be payment in full for removing and resetting the pole and luminaire, concrete foundation (if needed), removal and reinstallation of screw-in foundation, fuse holders, wire, cable, unit duct with cable, splicing kit, all fittings as required, No. 10 insulated wire from luminaire terminal block to pole handhole, all nuts, bolts, and incidentals necessary to complete the work as shown on the plans.

**SPECIAL PROVISION
FOR
UNINTERRUPTIBLE POWER SUPPLY**

The furnishing and installation of this item shall meet the requirements of Section 862 and 1074.04 of the Supplemental Specifications and Recurring Special Provisions, except as follows:

The UPS shall have the power capacity to provide normal operation of a signalized intersection that utilizes all LED type signal head optics, for a minimum of six hours.

The UPS shall additionally include, but not be limited to, a battery cabinet. The UPS shall provide reliable emergency power to the traffic signals in the event of a power failure or interruption.

Installation

When a UPS is installed at an existing traffic signal cabinet, the UPS cabinet shall partially rest on the lip of the existing controller cabinet foundation and be secured to the existing controller cabinet by means of at least four (4) stainless steel bolts. The UPS cabinet shall be completely enclosed with the bottom and back constructed of the same material as the cabinet.

When a UPS is installed at a new signal cabinet and foundation, it shall be mounted as shown on the plans.

At locations where UPS is installed and Emergency Vehicle Priority System is in use, any existing incandescent confirmation beacons shall be replaced with LED lamps in accordance with the Cook County Emergency Vehicle Priority System specification at no additional cost to the contract.

Material:

The UPS shall be line interactive and provide voltage regulation and power conditioning when utilizing utility power. The UPS shall be sized appropriately for the intersection's normal traffic signal operating connected load, plus 20 percent (20%). The total connected traffic signal load shall not exceed the published ratings for the UPS. The UPS shall provide a minimum of six (6) hours of normal operation run-time for signalized intersections with LED type signal head optics at 77 °F (25 °C) (minimum 700 W/1000 VA active output capacity, with 90 percent minimum inverter efficiency).

The UPS shall have a minimum of four (4) sets of normally open (NO) and normally closed (NC) single-pole double-throw (SPDT) relay contact closures, available on a panel mounted terminal block or locking circular connectors, rated at a minimum 120 V/1 A, and labeled so as to identify each contact according to the plans.

The UPS shall be compatible with the County's approved traffic controller assemblies utilizing NEMA TS 1 or NEMA TS 2 controllers and cabinet components for full time operation.

When the intersection is in battery backup mode, the UPS shall bypass all internal cabinet lights, ventilation fans, service receptacles, any lighted street name signs, any automated enforcement equipment and any other devices directed by the Engineer.

Batteries, inverter/charger and power transfer relay shall be housed in a separate NEMA Type 3R cabinet. The cabinet shall be Aluminum alloy, 5052-H32, 0.125-inch thick and have a natural mill finish.

No more than three batteries shall be mounted on individual shelves for a cabinet housing six batteries and no more than four batteries per shelf for a cabinet housing eight batteries.

The battery cabinet housing shall have the following nominal outside dimensions: a width of 25 in. (785 mm), a depth of 16 in. (440 mm), and a height of 41 to 48 in. (1.1 to 1.3 m). Clearance between shelves shall be a minimum of 10 in. (250 mm).

The door shall open to the entire cabinet, have a neoprene gasket, an Aluminum continuous piano hinge with stainless steel pin, and a three point locking system. The cabinet shall be provided with a main door lock which shall operate with a traffic industry conventional No. 2 key. Provisions for padlocking the door shall be provided.

The battery cabinet shall have provisions for an external generator connection.

The UPS shall include a tip or kill switch installed in the battery cabinet, which shall completely disconnect power from the UPS when the switch is manually activated.

The UPS shall incorporate a flanged electric generator inlet for charging the batteries and operating the UPS. The generator connector shall be male type, twist-lock, rated as 15A, 125VAC with a NEMA L5-15P configuration and weatherproof lift cover plate (Hubbell model HBL4716C or approved equal). Access to the generator inlet shall be from a secured weatherproof lift cover plate or behind a locked battery cabinet police panel.

Battery System: All batteries supplied in the UPS shall be either gel cell or AGM type, deep cycle, completely sealed, prismatic lead calcium based, silver alloy, valve regulated lead acid (VRLA) requiring no maintenance. All batteries in a UPS installation shall be the same type; mixing of gel cell and AGM types within a UPS installation is not permitted.

Batteries shall be certified by the manufacturer to operate over a temperature range of -13 to 160 °F (-25 to + 71 °C) for gel cell batteries and -40 to 140 °F (-40 to + 60 °C) for AGM type batteries.

The UPS shall consist of an even number of batteries that are capable of maintaining normal operation of the signalized intersection for a minimum of six hours. Calculations shall be provided showing the number of batteries of the type supplied that are needed to satisfy this requirement. A minimum of four batteries shall be provided.

The warranty for an uninterruptible power supply (UPS) shall cover a minimum of two years from date the equipment is placed in operation; however, the batteries of the UPS shall be warranted for full replacement for a minimum of five years from the date the traffic signal and UPS are placed into service.

Basis of Payment

This work will be paid for at the contract unit price per EACH for UNINTERRUPTIBLE POWER SUPPLY, which price shall be payment in full for furnishing and installing the Uninterruptible Power Supply complete with necessary connections for proper operation. Replacement of Emergency Vehicle Priority System confirmation beacons shall be included in the cost of the UNINTERRUPTIBLE POWER SUPPLY item.

Special Provision

For

Backfilling Storm Sewers Under Roadway

For storm sewer constructed under the roadway, backfilling methods two and three authorized under the provisions of Article 550.07 of the Standard Specifications will not be allowed.

Special Provision

For

Epoxy Coating on Reinforcement

For work outside the limits of bridge approach pavement, all references in the Highway Standards and Standard Specifications for reinforcement, dowel bars and tie bars in pavement, shoulders, curb, gutter, combination curb and gutter and median, and chair supports for CRC pavement, shall be epoxy coated, unless noted on the plan.

SPECIAL PROVISION
FOR
PIPE CULVERTS, TYPE, (FURNISHED)

All references to Sections or Articles in this specification shall be construed to mean a specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

Materials. Pipe Culverts, Type (Furnished) of diameters or equivalent round size specified shall conform to the applicable portions of Section 542 and the following Articles:

Item Article.

- a) Corrugated Steel Culvert Pipe 1006.01(a)
- b) Corrugated Steel Pipe Arch 1006.01(a)
- c) Precoated Galvanized Corrugated Steel Pipe 1006.01(b)
- d) Precoated Galvanized Corrugated Steel Pipe Arch 1006.01(b)
- e) Aluminized Steel Type 2 Corrugated Pipe 1006.01(a)
- f) Aluminized Steel Type 2 Corrugated Pipe Arch 1006.01(a)
- g) Bituminous Coated Corrugated Steel Pipe 1006.01(a)
- h) Bituminous Coated Corrugated Steel Pipe Arch 1006.01(a)
- i) Zinc and Aramid Fiber Composite Coated Corrugated Steel Pipe 1006.01(a)
- j) Corrugated Aluminum Alloy Pipe 1006.03
- k) Corrugated Aluminum Alloy Culvert Pipe Arch 1006.03
- l) Reinforced Concrete Arch Culvert, Storm Drain and Sewer Pipe 1042.06(c)
- m) Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe 1042.06(a)
- n) Concrete Sewer, Storm Drain, and Culvert Pipe 1042.06(d)
- o) Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe 1042.06(b)

- p) Polyvinyl Chloride (PVC) Pipe 1040.03
- q) Corrugated Polyvinyl Chloride (PVC) Pipe with a Smooth Interior 1040.03(d)
- r) Polyvinyl Chloride (PVC) Profile Wall Pipe - 794 1040.03(e)
- s) Polyethylene (PE) Pipe with a Smooth Interior 1040.04(d)
- t) Polyethylene (PE) Profile Wall Pipe 1040.04(c)
- u) Polyvinyl Chloride (PVC) Profile Wall Pipe - 304 1040.03(f)
- v) Corrugated Polyethylene (PE) Pipe with a Smooth Interior 1040.04(a)
- w) Extra Strength Clay Pipe 1040.02
- x) Clay Sewer Pipe 1040.02

Bids may be submitted for any kind of pipe culvert listed in the Specifications for the "Type" herein specified, except for those struck above.

The thickness or class of pipe shall conform to the table in Article 542.03. The respective AASHTO specifications for these materials require the pipe to be stamped with metal thickness.

When applicable, connecting bands shall be fabricated from the same type of base metal as is used for the pipe.

Method of Measurement. Pipe culverts of the diameter specified will be measured for payment in meters (feet).

Basis of Payment. The material will be paid for at the contract unit price bid per meter (foot) of PIPE CULVERTS, TYPE, (FURNISHED) of the diameter or equivalent round size specified, at the delivery point specified. The bid price shall include all connecting bands when steel or aluminum pipe is furnished.

SPECIAL PROVISION
FOR
STORM SEWERS WATER MAIN QUALITY PIPE

This work consists of constructing storm sewer adjacent to or crossing a water main, at the locations shown on the plans. The material and installation requirements shall be according to the latest edition of the "Standard Specifications for Water and Sewer Main Construction in Illinois", and the applicable portions of Section 550 of the Standard Specifications; which may include concrete collars and encasing pipe with seals if required.

Pipe materials shall meet the requirements of Sections 40 and 41-2.01 of the "Standard Specifications for Water and Sewer Main Construction in Illinois", except PVC pipe will not be allowed. Ductile-Iron pipe shall meet the minimum requirements for Thickness Class 50.

Encasing of standard type storm sewer, according to the details for "Water and Sewer Separation Requirements (Vertical Separation)" in the "STANDARD DRAWINGS" Division of the "Standard Specifications for Water and Sewer Main Construction in Illinois", may be used for storm sewers crossing water mains.

Basis of Payment: This work will be paid according to Article 550.10 of the Standard Specifications, except the pay item shall be STORM SEWERS WATER MAIN QUALITY PIPE, of the type, material, class and diameter specified.

**SPECIAL PROVISION
FOR
DUCKBILL ELASTOMERIC CHECK VALVE**

Description: This work shall consist of furnishing and installing a Backflow Preventer including all necessary hardware and accessories at the location shown on the plans or as directed by the Engineer.

Backflow Preventer: Backflow preventer must be Tideflex Check Valve Series 35-1 or equal, sized to fit the pipe size shown on the plans. The backflow preventer shall be manufactured using neoprene rubber material.

Installation: The backflow preventer shall be installed per the manufacturer's recommendations and as directed by the Engineer.

Basis of Payment. This work will be paid for at the contract unit price per each for DUCKBILL ELASTOMERIC CHECK VALVE of the pipe diameter specified on the plans, which price shall be payment in full for furnishing and installing the backflow preventer complete in place with necessary hardware and accessories for proper operation.

SPECIAL PROVISION
FOR
BOX CULVERT REMOVAL

Description. Existing box culverts designated to be removed shall be removed for the full depth of the structure. The hole formed by the removal of the structure shall be backfilled with trench backfill, placed and compacted to the satisfaction of the Engineer.

Construction Methods. Construction methods shall be in conformance with Section 501 of the Standard Specifications for Road and Bridge Construction.

Basis of Payment. This work of removing existing box culverts shall be paid for at the contract unit price per foot for BOX CULVERT REMOVAL, which price shall include removing and disposing of the existing structure and backfilling the hole with trench backfill.

SPECIAL PROVISION
FOR
WATER MAIN REMOVAL

The Contractor shall remove water main at the locations indicated on the plans.

This work shall be performed in accordance with the applicable requirements of Section 551 of the Standard Specifications except as modified herein.

Basis of Payment: This work, including the removal of the water main, disposal of the pipe and the associated trench backfill needed to bring the trench up the appropriate grade before restoration shall be paid for at the contract unit price bid per FOOT for WATER MAIN REMOVAL [SPECIFIED SIZE].

SPECIAL PROVISION
FOR
ADJUST FIRE HYDRANT WITH AUXILIARY VALVE

Description. This work shall consist of moving and adjusting existing fire hydrants, with auxiliary valves, which interfere with the construction of the proposed improvement as shown on the plans or as directed by the Engineer.

Materials. Materials shall be as shown in the contract and must comply with the Village of Lansing Water Main Specifications. Materials for replacement shall be new and of the same kind as, or equal to, the material being replaced.

General Requirements. The work shall be performed in a manner approved by the Engineer in accordance with the Village of Lansing Water Main Specifications.

Fire Hydrants shall be set on a firm foundation and shall be thrust blocked. Thrust blocking shall consist of Class SI concrete cast against the fittings and the undisturbed earth on the side where the thrust is expected to occur. A minimum of 1/4 cu yd (0.2 cu m) of concrete shall be used for the thrust block. The dimensions of the thrust block shall be determined by the Engineer. Blocking shall be placed such that the pipe, fittings and joints shall be accessible for future repair.

Upon completion of relocating or adjusting the fire hydrant, it shall be tested and disinfected according to Article 561.03.

The hole formed by the removal of a fire hydrant and the remaining excavated area around the relocated fire hydrant shall be backfilled with fine aggregate.

Surplus material shall be disposed of according to Article 202.03.

Any fire hydrant damaged by the Contractor shall be repaired.

Basis of Payment: This work will be paid for at the contract unit price per Each for ADJUST FIRE HYDRANT WITH AUXILIARY VALVE.

SPECIAL PROVISION
FOR
VILLAGE OF LANSING WATER MAIN SPECIFICATIONS

AS-BUILT DRAWINGS

The contractor will be responsible for providing one copy of red-lined drawings showing field lengths, rim and invert elevations and locations for all storm sewer and water system appurtenances installed as part of this contract including manholes, inlets/catch basins, stubs, and crossing locations. Distances should be given to each utility item from existing visible landmarks (surface or edge of pavement) identified on the design plans for this project. This work shall not be paid for separately, but shall be incidental to the contract, and retention from final payment due contractor shall be withheld until receipt of said drawings.

DUCTILE IRON WATER MAIN, XX" CLASS 52, WITH POLYETHYLENE ENCASEMENT

This work shall consist of the construction of ductile iron water main at locations indicated on the plans or as directed by the Engineer. The water main shall be "Ductile Iron," ANSI thickness Class 52, Clow "Super Bell-Tite", "Push-On" Joint, or approved equal, and must meet all applicable requirements of ANSI A21.51 (AWWA C151)[pipe]; ANSI A21.10 (AWWA C110) or AWWA C153; [fittings], ANSI A21.11 (AWWA C111)[joints], and ANSI A21.4 (AWWA C104)[pipe lining] specifications. Alloyed steel bolts shall be used to prevent corrosion. All water mains shall be wrapped in 8-mil thick polyethylene encasement (ANSI/AWWA C105/A21.5) Method B, with pipe and joints wrapped separately.

Measurement shall be made along the centerline of water main installed. The cost for furnishing all labor, materials and equipment necessary for excavation, construction of the new water main, backfilling, all materials and labor required for wrapping the water main will be paid for at the contract unit price per LINEAL FOOT for DIWM, XX" CLASS 52, WITH POLYETHYLENE ENCASEMENT.

MECHANICAL JOINT RESTRAINTS

All mechanical joint restraints shall be incorporated in the design of a follower gland. The gland shall be manufactured of ductile iron conforming to ASTM A 536. Dimensions of the gland shall be such that it can be used with the standardized mechanical joint bell and tee-head bolts conforming to AWWA C111 and C153.

The restraint mechanism shall consist of numerous individually activated gripping surfaces to maximize restraint capability. The gripping surfaces shall be sedges designed to spread the bearing surfaces on the pipe. Twist-off nuts, sized same as tee-head bolts, shall be used to insure proper actuating of restraining devices. When the nut is sheared off, a standard hex nut shall remain. The mechanical joint restraint device for ductile iron pipe shall have a working pressure of at least 250 psi with a minimum safety factor of 2. Gasket material identical to that described above shall be utilized at all joints and fittings.

The mechanical joint restraint devices shall be EBAA Iron, Inc. MegaLug 1100 series or engineer-approved equal.

All design associated with mechanical joint restraints shall be completed by the contractor and his supplier. Design calculations shall be submitted to the Engineer for review and approval

prior to the ordering of materials. The cost for designing, materials, and labor for furnishing, installing, adjusting, and testing of mechanical joint restraints will not be compensated for separately but shall be considered incidental to the contract. No additional compensation will be given for the weights of the mechanical joint restraint. The contractor shall not include the weights of the mechanical joint restraints in the fitting weights when submitting invoices.

FITTINGS

All fittings shall be made from gray-iron or ductile iron and furnished with mechanical joint ends. All fittings shall have a pressure rating of 250 psi and shall be wrapped with an 8-mil thick polyethylene material per AWWA Standard C105. At locations indicated on the plans or as directed by the Engineer, the water main shall be constructed around existing utility structures or other obstacles by use of tees, bends or other appropriate fittings. Gasket material identical to that described above shall be utilized at all joints and fittings.

The cost for all fittings, excluding that incidental to the hydrant and tapping sleeve installations, will be paid at the contract unit price per POUND for DUCTILE IRON FITTINGS.

VALVES

All 12 inches and smaller valves shall be East Jordan, Clow, or approved equal resilient wedge type abiding to AWWA C509 and AWWA C550.

All proposed valves larger than 12 inches shall be Pratt butterfly type with extension stem and ground level position indicator, or approved equal iron body, rubber seat butterfly valve, Class 150B, counter clockwise to open, conforming to AWWA C504 and approved by the Village of Lansing Water Superintendent. The cost for each valve shall be included in the appropriate valve vault or valve box unit price.

VALVE VAULTS

Valve vaults shall be installed at the locations indicated in the plans or as directed by the Engineer. Valves shall be centered directly under the vault lid opening unless otherwise approved by the Engineer. Valve vaults shall conform to ASTM C478. For valves up to and including 12 inches in diameter, valve vaults shall have a forty-eight (48) inch inside diameter; for pressure connections and valves larger than 12 inches in diameter, valve vaults shall have a sixty (60) inch inside diameter, unless otherwise indicated on the plans.

No more than two (2) adjusting rings with six (6) inch maximum height adjustment shall be allowed. Rubber adjusting rings instead of concrete adjusting rings are required for all valve vaults and precast rings are not allowed. All joints between vaults sections shall be sealed with mastic and McWrap or equal shall be used around the outside wall of the vault at the joints.

All vaults shall be provided with a heavy duty Type 1 frame and closed lid. The manhole frame and cover shall be an East Jordan 1022Z3 embossed "WATER" and "VILLAGE OF LANSING".

Valve vault construction shall be as specified in the Division II Technical Specifications and detail drawings shown in the plans. Measurement for payment shall be per EACH for valve vaults installed, and shall include the appropriate VALVE or TAPPING SLEEVE AND VALVE as called out in the plans and proposal sheet.

CUT AND CAP

The Contractor shall install the water main as shown on the plans and completely flush and chlorinate said main. The Contractor shall then be required to disconnect the services from the

old main and connect new services to the new main at locations as shown on the plan and as directed by the Engineer. This connection of services shall not be accomplished until a satisfactory chlorination report and pressure test is received on the new main in that area.

After all water services have been reinstated, the contractor shall abandon the existing water main in place by installing blind flange caps blocked and mechanically restrained at the locations indicated in the plans or as directed by the Engineer, assisted by the Water Department, performing appropriate valve closings as necessary. The work associated with abandoning the existing water main in place is not to be compensated for separately but shall be considered incidental to the contract. The cost for any caps or plugs installed will be paid for at the contract unit price bid per EACH for TEN INCH (10") CUT AND CAP.

FIRE HYDRANT WITH AUXILIARY VALVE, VALVE BOX AND TEE

This work shall consist of the installation of new hydrants, auxiliary valves, valve boxes, tees and associated pipe and fittings at the locations indicated in the plans or as directed by the Engineer. Hydrants shall be as manufactured by East Jordan Iron Works (model 5BR-250), painted yellow. The cost for pipe, if any, needed for offsetting the hydrant from the water main shall be incidental to the hydrant construction.

All work shall be in accordance with the Division II Technical Specifications of this contract. The cost for this work including all tees and fittings will be paid for at the contract unit price bid per EACH for FIRE HYDRANT WITH AUXILIARY VALVE, VALVE BOX AND TEE.

FIRE HYDRANTS TO BE REMOVED

This item of work where indicated on the plans shall be in accordance with Article 564 of the Standard Specifications for Road and Bridge Construction adopted January 1, 2007.

Existing hydrants and auxiliary valves shall be carefully disconnected from the existing water main, delivered to the public works garage, and remain the property of the Village of Lansing. This work will be paid for at the contract unit price per EACH for FIRE HYDRANTS TO BE REMOVED.

REMOVE AND ABANDON VALVE BOX

Valves specified on the plans to be abandoned shall be closed and then cut a minimum of twelve inches (12") below the existing ground surface and then filled with concrete, sand or other appropriate material. This work will be paid for at the contract unit price per EACH for REMOVE AND ABANDON VALVE BOX.

FACILITY ADJUSTMENTS

This item shall include the adjustments of any sanitary sewer and water main services, as well as any water main and sewer lines, encountered by the construction of the sewer and water main. The Contractor shall make every attempt possible to avoid these facilities, and if in the opinion of the Engineer, the facilities are damaged due to carelessness by the Contractor, no compensation will be made for the replacement of same.

If adjustment of certain services is necessary, the work shall be done in a workmanlike fashion, minimizing the downtime of the residents' services, and shall include all necessary labor and materials to properly complete the adjustment. Work on these items shall be paid for at the unit price bid EACH for WATER MAIN SERVICE ADJUSTMENT and for SANITARY SEWER SERVICE ADJUSTMENT with the costs of each item as stated in the bidding schedule which

price shall include the cost of all pipe, joint materials, trench backfill, labor and equipment needed to complete the work as stated.

All sanitary services shall be replaced with ductile iron pipe for 10 feet on either side of the water main. Non shear mission couplings shall be used.

SPECIAL PROVISION
FOR
REMOVE AND REINSTALL DECORATIVE BRICK PAVERS

Description. This work shall consist of removing, salvaging and reinstalling decorative brick pavers as shown on the Plans or as directed by the Engineer.

Submittals. Two weeks prior to starting work, submit proposed methods for the safe removal, storage, and reinstallation of pavers for the Engineer's approval. Include product literature for all materials to be used in the reinstallation pavers.

General Requirements.

Removal: Carefully remove and salvage brick pavers (including setting beds). Secure storage of the items at a location approved by the Engineer, and protect the items in transit and storage to prevent damage prior to reinstallation on the same site. Protect adjacent Work to remain from damage. Sawcut concrete setting beds before removal.

Damaged Items: Items damaged, in the judgment of the Engineer, during removal, storage or reinstallation must be replaced with new matching units. The Engineer will be the sole judge of whether new items constitute an acceptable match.

Reinstallation of Pavers: Do not begin placement of the pavers until all other applicable Work has been completed including construction of sidewalk slabs and foundations.

Foundations: Sawcutting of the pavers is required around each foundation. Sawcut each paver such that a ½ inch clear distance is maintained between the foundation pedestal and the cut edge of the paver.

Placement of Pavers: Reinstall pavers to match the appearance of the area prior to the removal of the pavers. Provide setting beds of concrete or aggregate to match existing. Install pavers level, true, and flush with existing adjacent curbs and pavers. Maintain existing joint widths and match existing caulk and sealant colors to provide a seamless transition between existing Work to remain and reinstalled materials.

Basis of Payment: This work will be paid for at the contract unit price per square foot for REMOVE AND REINSTALL DECORATIVE BRICK PAVERS, which will be payment in full for completing the Work as specified.

SPECIAL PROVISION
FOR
SOLAR FLASHING BEACON SYSTEM

This work shall consist of furnishing and installing a Solar Flashing Beacon System including all necessary hardware, cable and accessories as specified on the plans and contained herein.

The system shall operate on a 24-hour per day basis and shall consist of a self-contained light engine containing all electronics, batteries, and solar panels. The flashing beacon shall be LED (Light Emitting Diode) and 12" yellow or red lens, and mount with a standard bracket set to either a wood post or round post.

Manufacturer: JSF Technologies or approved equal

Installation

The Solar Flashing Beacon System shall be installed per the manufacturer's recommendations and as directed by the Engineer. The bottom of the housing shall be not less than 12 inches nor more than 24 inches above the top of the sign.

Material:

The single signal section shall be constructed of polycarbonate material, and must be adjustable independently from the bracket for lens alignment. The solar panel size shall be three panels of 12 ¾ x 5 1/8" integrated to the solar panel housing, and all batteries and electronics shall be located internally, with no external control cabinet required. The weight unit, shall not exceed 37 pounds. The housing collar shall be 6061T6 Aluminum, powder coated to fit a 2" or 4 ½ inch. pole.

The section shall house a Hawker 25 Ah, 2V, BC Cell, sealed lead acid, Batteries shall be field replaceable, and have a 3-5 year service life. The solar panel housing shall be visually appealing, with a smooth machined finish and no superfluous slots or holes.

The light should be able to withstand and operate at temperature extremes of - 40°F to +165°F.

Operating Profile:

The light engine shall have 112 individual LED's along with (2) flash patterns:

- 1.) High Visibility Strobe – one second cycle of four 1/16th second flashes, followed by a ½ second pause
- 2.) MUTCD- a ½ second on, ½ second off cycle

The charged capacity shall operate at a rated usage for 80+ days without solar charging.

During extended sunny periods, the system shall supply extra power to ensure effective visibility in daylight hours. During extended heavily overcast periods or snow cover, the system shall dim the lights and reduce strobe count to ensure that the beacon remain effective for as long as possible. When system detects distressed conditions (such as prolonged solar panel coverage or battery discharge) system will visually notify the Engineer with a change in the flash cycle.

Basis of Payment

This work will be paid for at the contract unit price per EACH for SOLAR FLASHING BEACON SYSTEM, which price shall be payment in full for furnishing and installing the Solar Flashing Beacon System complete with necessary connections and hardware for proper operation.

CHECK SHEET #LRS2

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

**SPECIAL PROVISION
FOR
FURNISHED EXCAVATION**

Effective: January 1, 1999

Revised: January 1, 2007

Add the following subparagraph to Article 204.07 of the Standard Specifications:

"(c) Truck Loads. When contract quantities do not exceed 2000 cu yd (cu m), furnished excavation may be measured by truck loads. Prior to the start of work, the Contractor and the Engineer shall agree to a standard volume for the trucks utilized by the Contractor. A shrinkage factor of 25 percent will be used in the computations."

CHECK SHEET #LRS3

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

**SPECIAL PROVISION
FOR
WORK ZONE TRAFFIC CONTROL SURVEILLANCE**

Effective: January 1, 1999

Revised: January 1, 2010

Revise Article 701.10 of the Standard Specifications to read:

"The Contractor shall conduct inspections of the worksite at a frequency that will allow for the timely replacement of any traffic control device that has become displaced, worn, or damaged. A sufficient quantity of replacement devices, based on vulnerability to damage, shall be readily available to meet this requirement."

Delete Articles 701.19(d) and Article 701.20(g) of the Standard Specifications.

CHECK SHEET #LRS4

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

**SPECIAL PROVISION
FOR
FLAGGERS IN WORK ZONES**

Effective: January 1, 1999
Revised: January 1, 2007

Revise the last paragraph of Article 701.13 of the Standard Specifications to read:

"Flaggers are required only when workers are present."

ADJUSTMENTS AND RECONSTRUCTIONS

Effective: March 15, 2011

Revise the first paragraph of Article 602.04 to read:

“602.04 Concrete. Cast-in-place concrete for structures shall be constructed of Class SI concrete according to the applicable portions of Section 503. Cast-in-place concrete for pavement patching around adjustments and reconstructions shall be constructed of Class PP-1 concrete, unless otherwise noted in the plans, according to the applicable portions of Section 1020.”

Revise the third, fourth and fifth sentences of the second paragraph of Article 602.11(c) to read:

“Castings shall be set to the finished pavement elevation so that no subsequent adjustment will be necessary, and the space around the casting shall be filled with Class PP-1 concrete, unless otherwise noted in the plans, to the elevation of the surface of the base course or binder course. HMA surface or binder course material shall not be allowed. The pavement may be opened to traffic according to Article 701.17(e)(3)b.”

Revise Article 603.05 to read:

“603.05 Replacement of Existing Flexible Pavement. After the castings have been adjusted, the surrounding space shall be filled with Class PP-1 concrete, unless otherwise noted in the plans, to the elevation of the surface of the base course or binder course. HMA surface or binder course material shall not be allowed. The pavement may be opened to traffic according to Article 701.17(e)(3)b.”

Revise Article 603.06 to read:

“603.06 Replacement of Existing Rigid Pavement. After the castings have been adjusted, the pavement and HMA that was removed, shall be replaced with Class PP-1 concrete, unless otherwise noted in the plans, not less than 9 in. (225 mm) thick. The pavement may be opened to traffic according to Article 701.17(e)(3)b.

The surface of the Class PP concrete shall be constructed flush with the adjacent surface.”

Revise the first sentence of Article 603.07 to read:

“603.07 Protection Under Traffic. After the casting has been adjusted and the Class PP concrete has been placed, the work shall be protected by a barricade and two lights according to Article 701.17(e)(3)b.”

COARSE AGGREGATE FOR BACKFILL, TRENCH BACKFILL AND BEDDING (D-1)

Effective: November 1, 2011

This work shall be according to Section 1004.05 of the Standard Specifications except for the following:

Reclaimed Asphalt Pavement (RAP) may be blended with gravel, crushed gravel, crushed stone crushed concrete, crushed slag, chats, crushed sand stone or wet bottom boiler slag. The RAP materials shall be crushed and screened. Unprocessed RAP grindings will not be permitted. The RAP shall be uniformly graded and shall pass the 1.0 in. (25 mm) screen. When RAP is blended with any of the coarse aggregate listed above, the blending shall be done mechanically with calibrated feeders. The feeders shall have an accuracy of ± 2.0 percent of the actual quantity of material delivered. The final blended product shall not contain more than 40 percent by weight RAP.

The coarse aggregate listed above shall meet CA 6 and CA 10 gradations prior to being blended with the processed and uniformly graded RAP.

DRAINAGE AND INLET PROTECTION UNDER TRAFFIC (DISTRICT 1)

Effective: April 1, 2011
 Revised: April 2, 2011

Add the following to Article 603.02 of the Standard Specifications:

- “(i) Temporary Hot-Mix Asphalt (HMA) Ramp (Note 1) 1030
- “(j) Temporary Rubber Ramps (Note 2)

Note 1. The HMA shall have maximum aggregate size of 3/8 in. (95 mm).

Note 2. The rubber material shall be according to the following.

Property	Test Method	Requirement
Durometer Hardness, Shore A	ASTM D 2240	75 ±15
Tensile Strength, psi (kPa)	ASTM D 412	300 (2000) min
Elongation, percent	ASTM D 412	90 min
Specific Gravity	ASTM D 792	1.0 - 1.3
Brittleness, °F (°C)	ASTM D 746	-40 (-40)°

Revise Article 603.07 of the Standard Specifications to read:

“603.07 Protection Under Traffic. After the casting has been adjusted and the Class PP concrete has been placed, the work shall be protected by a barricade and two lights according to Article 701.17(e)(3)b.

When castings are under traffic before the final surfacing operation has been started, properly sized temporary ramps shall be placed around the drainage and/or utility castings according to the following methods.

- (a) Temporary Asphalt Ramps. Temporary hot-mix asphalt ramps shall be placed around the casting, flush with its surface and decreasing to a featheredge in a distance of 2 ft (600 mm) around the entire surface of the casting.
- (b) Temporary Rubber Ramps. Temporary rubber ramps shall only be used on roadways with permanent posted speeds of 40 mph or less and when the height of the casting to be protected meets the proper sizing requirements for the rubber ramps as shown below.

Dimension	Requirement
Inside Opening	Outside dimensions of casting + 1 in. (25 mm)

Thickness at inside edge	Height of casting \pm 1/4 in. (6 mm)
Thickness at outside edge	1/4 in. (6 mm) max.
Width, measured from inside opening to outside edge	8 1/2 in. (215 mm) min

Placement shall be according to the manufacturer's specifications.

Temporary ramps for castings shall remain in place until surfacing operations are undertaken within the immediate area of the structure. Prior to placing the surface course, the temporary ramp shall be removed. Excess material shall be disposed of according to Article 202.03."

FINE AGGREGATE FOR HOT- MIX ASPHALT (HMA) (D-1)

Effective: May 1, 2007

Revised: January 1, 2012

Revise Article 1003.03 (c) of the Standard Specifications to read:

- “(c) Gradation. The fine aggregate gradation for all HMA shall be FA1, FA 2, FA 20, FA 21 or FA 22. When Reclaimed Asphalt Pavement (RAP) is incorporated in the HMA design, the use of FA 21 Gradation will not be permitted.

POROUS GRANULAR EMBANKMENT, SUBGRADE

Effective: September 30, 1985

Revised: August 1, 2008

This work consists of furnishing, placing, and compacting porous granular material to the lines and grades shown on the plans or as directed by the Engineer in accordance with applicable portions of Section 207 of the Standard Specifications. The material shall be used as a bridging layer over soft, pumpy, loose soil and for placing under water and shall conform with Article 1004.05 of the Standard Specifications except the gradation shall be as follows:

1. Crushed Stone, Crushed Blast Furnace Slag, and Crushed Concrete

<u>Sieve Size</u>	<u>Percent Passing</u>
*6 in. (150 mm)	97 ± 3
*4 in. (100 mm)	90 ± 10
2 in. (50 mm)	45 ± 25
No. 200 (75 µm)	5 ± 5

2. Gravel** and Crushed Gravel

<u>Sieve Size</u>	<u>Percent Passing</u>
*6 in. (150 mm)	97 ± 3
*4 in. (100 mm)	90 ± 10
2 in. (50 mm)	55 ± 25
No. 4 (4.75 mm)	30 ± 20
No. 200 (75 µm)	5 ± 5

* For undercut greater than 18 inches (450 mm) the percent passing the 6 inch (150 mm) sieve may be 90 ± 10 and the 4 inch (100 mm) sieve requirements eliminated.

** Not to be used in 30 or 40 year extended life concrete pavement or extended life bituminous concrete pavement (full depth).

The porous granular material shall be placed in one lift when the total thickness to be placed is 2 feet (600 mm) or less or as directed by the Engineer. Each lift of the porous granular material shall be rolled with a vibratory roller meeting the requirements of Article 1101.01(g) of the Standard Specifications to obtain the desired keying or interlock and compaction. The Engineer shall verify that adequate keying has been obtained.

A 3 inch (75 mm) nominal thickness top lift of capping aggregate having a gradation of CA 6 will be required when Aggregate Subgrade is not specified in the contract and Porous Granular Embankment, Subgrade will be used under the pavement and shoulders. Capping aggregate will not be required when embankment meeting the requirements of Section 207 of the Standard Specifications or granular subbase is placed on top of the porous granular material.

Construction equipment not necessary for the completion of the replacement material will not be allowed on the undercut areas until completion of the recommended thickness of the porous granular embankment subgrade.

Full depth subgrade undercut should occur at limits determined by the Engineer. A transition slope to the full depth of undercut shall be made outside of the undercut limits at a taper of 1 foot (300 mm) longitudinal per 1 inch (25 mm) depth below the proposed subgrade or bottom of the proposed aggregate subgrade when included in the contract.

Method of Measurement. This work will be measured for payment in accordance with Article 207.04 of the Standard Specifications. When specified on the contract, the theoretical elevation of the bottom of the aggregate subgrade shall be used to determine the upper limit of Porous Granular Embankment, Subgrade. The volume will be computed by the method of average end areas.

Basis of Payment. This work shall be paid for at the contract unit price per cubic yard (cubic meter) for POROUS GRANULAR EMBANKMENT, SUBGRADE.

The Porous Granular Embankment, Subgrade shall be used as field conditions warrant at the time of construction. No adjustment in unit price will be allowed for an increase or decrease in quantities from the estimated quantities shown on the plans.

RECLAIMED ASPHALT PAVEMENT AND SHINGLES (D-1)

Effective: January 1, 2012

Revise Section 1031 of the Standard Specifications to read:

“SECTION 1031. RECLAIMED ASPHALT PAVEMENT AND SHINGLES

1031.01 Description. RAP is reclaimed asphalt pavement resulting from cold milling and crushing of an existing hot-mix asphalt (HMA) pavement. RAP will be considered processed FRAP after completion of both crushing and screening to size. The Contractor shall supply written documentation that the RAP originated from routes or airfields under federal, state, or local agency jurisdiction.

RAS is reclaimed asphalt shingles resulting from the processing and grinding of either preconsumer or post consumer shingles.

RAS shall be a clean and uniform material with a maximum of 0.5 percent unacceptable materials, as defined in Bureau of Materials and Physical Research Policy (BMPR) Memorandum *Reclaimed Asphalt Shingle (RAS) Sources*, by weight of RAS. All RAS used shall come from a BMPR approved processing facility.

RAS shall meet either Type 1 or Type 2 requirements as specified herein.

- (a) Type 1. Type 1 RAS shall be processed, preconsumer asphalt shingles salvaged from the manufacture of residential asphalt roofing shingles.
- (b) Type 2. Type 2 RAS shall be processed post-consumer shingles only, salvaged from residential, or four unit or less dwellings not subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP).

1031.02 Stockpiles. The Contractor shall construct individual, sealed RAP or RAS stockpiles meeting one of the following definitions. No additional RAP or RAS shall be added to the pile after the pile has been sealed. Stockpiles shall be sufficiently separated to prevent intermingling at the base. All stockpiles (including unprocessed RAP and Processed FRAP) shall be identified by signs indicating the type as listed below (i.e. “crushed natural aggregate, ACBF and steel slag, crystalline structure or Type 2 RAS”, etc...).

- (a) Fractionated RAP (FRAP). FRAP shall consist of RAP from Class I, Superpave (High ESAL), HMA (High ESAL), or equivalent mixtures. The coarse aggregate in FRAP shall be crushed aggregate and may represent more than one aggregate type and/or quality but shall be at least C quality. All FRAP shall be processed prior to testing and sized into fractions with the separation occurring on or between the #4 (4.75mm) and ½ in. (12.5mm) sieves. Agglomerations shall be minimized such that 100 percent of the RAP

in the coarse fraction shall pass the maximum sieve size specified for the mix the RAP will be used in.

- (b) Restricted FRAP (B quality) stockpiles shall consist of RAP from Class I, Superpave (High ESAL), or HMA (High ESAL). If approved by the Engineer, the aggregate from a maximum 3.0 inch single combined pass of surface/binder milling will be classified as B quality. All millings from this application will be processed into FRAP as described previously.
- (c) Conglomerate. Conglomerate RAP stockpiles shall consist of RAP from Class I, Superpave (High ESAL), HMA (High ESAL), or equivalent mixtures. The coarse aggregate in this RAP shall be crushed aggregate and may represent more than one aggregate type and/or quality but shall be at least C quality. This RAP may have an inconsistent gradation and/or asphalt binder content prior to processing. All conglomerate RAP shall be processed (FRAP) prior to testing. Conglomerate RAP stockpiles shall not contain steel slag or other expansive material as determined by the Department.
- (d) Conglomerate "D" Quality (DQ). Conglomerate DQ RAP stockpiles shall consist of RAP from HMA shoulders, bituminous stabilized subbases or Superpave (Low ESAL)/HMA (Low ESAL) IL-19.0L binder mixture. The coarse aggregate in this RAP may be crushed or processed (FRAP DQ) but shall be at least D quality. This RAP may have an inconsistent gradation and/or asphalt binder content. Conglomerate DQ RAP stockpiles shall not contain steel slag or other expansive material as determined by the Department.
- (e) Non-Quality. RAP stockpiles that do not meet the requirements of the stockpile categories listed above shall be classified as "Non-Quality".

RAP/FRAP containing contaminants, such as earth, brick, sand, concrete, sheet asphalt, bituminous surface treatment (i.e. chip seal), pavement fabric, joint sealants, plant cleanout etc., will be unacceptable unless the contaminants are removed to the satisfaction of the Engineer. Sheet asphalt shall be stockpiled separately.

Type 1 and Type 2 RAS shall be stockpiled separately and shall not be intermingled. Each stockpile shall be signed indicating what type of RAS is present. However, a RAS source may submit a written request to the Department for approval to blend mechanically a specified ratio of type 1 RAS with type 2 RAS. The source will not be permitted to change the ratio of the blend without the Department prior written approval.

The Engineer's written approval will be required, to mechanically blend RAS with any fine aggregate produced under the AGCS, up to an equal weight of RAS, to improve workability. The fine aggregate shall be "B Quality" or better from an approved Aggregate Gradation Control System source. The fine aggregate shall be one that is approved for use in the HMA mixture and shall be accounted for in the mix design and during HMA production.

Records identifying the shingle processing facility supplying the RAS, RAS type and lot number shall be maintained by project contract number and kept for a minimum of 3 years.

1031.03 Testing. When used in HMA, the RAS/RAP/FRAP shall be sampled and tested either during processing or after stockpiling.

(a) RAS shall be sampled and tested as follows:

During stockpiling, washed extraction, and testing for unacceptable materials shall be run at the minimum frequency of one sample per 200 tons (180 metric tons) for the first 1000 tons (900 metric tons) and one sample per 1000 ton (900 metric ton) thereafter. A minimum of five tests are required for stockpiles less than 1000 ton (900 metric ton). Once a ≤ 1000 ton, five-test stockpile has been established it shall be sealed. Additional incoming RAS shall be stockpiled in a separate working pile as designated in the Quality Control plan and only added to the sealed stockpile when the test results of the working pile are complete and are found to meet the tolerances specified herein for the original sealed RAS stockpile.

All of the test results, with the exception of percent unacceptable materials, shall be compiled and averaged for asphalt binder content, and gradation. Individual test results, when compared to the averages, will be accepted if within the tolerances listed below.

Parameter	RAS
No. 8 (2.36 mm)	$\pm 5 \%$
No. 16 (1.18 mm)	$\pm 5 \%$
No. 30 (600 μm)	$\pm 4\%$
No. 200 (75 μm)	$\pm 2.0 \%$
Asphalt Binder Content	$\pm 1.5 \%$

(b)RAP/FRAP shall be sampled and tested as follows:

For testing during stockpiling, washed extraction samples shall be run at the minimum frequency of one sample per 500 tons (450 metric tons) for the first 2000 tons (1800 metric tons) and one sample per 2000 tons (1800 metric tons) thereafter. A minimum of five tests shall be required for stockpiles less than 4000 tons (3600 metric tons).

For testing after stockpiling, the Contractor shall submit a plan for approval to the District proposing a satisfactory method of sampling and testing the RAP/FRAP pile either in-situ or by restockpiling. The sampling plan shall meet the minimum frequency required above and detail the procedure used to obtain representative samples throughout the pile for testing.

All of the RAP/FRAP extraction results shall be compiled and averaged for asphalt binder content and gradation and, when applicable (for slag) G_{mm} . Individual extraction test results, when compared to the averages, will be accepted if within the tolerances listed below.

Parameter	RAP or FRAP	Conglomerate "D" Quality RAP
1 in. (25 mm)		± 5 %
1/2 in. (12.5 mm)	± 8 %	± 15 %
No. 4 (4.75 mm)	± 6 %	± 13 %
No. 8 (2.36 mm)	± 5 %	
No. 16 (1.18 mm)		± 15 %
No. 30 (600 μ m)	± 5 %	
No. 200 (75 μ m)	± 2.0 %	± 4.0 %
Asphalt Binder	± 0.4 % ^{1/}	± 0.5 %
G_{mm}	± 0.03 ^{2/}	

1/ The tolerance for FRAP shall be ± 0.3 %

2/ for slag and steel slag

Before extraction, each field sample whether, RAS, RAP or FRAP, shall be split to obtain two samples of test sample size. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall extract the other test sample according to Department procedure. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

If more than 20 percent of the individual sieves are out of the gradation tolerances, or if more than 20 percent of the asphalt binder content test results fall outside the appropriate tolerances, the RAS, RAP or FRAP shall not be used in HMA unless the RAS, RAP or FRAP representing the failing tests is removed from the stockpile. All test data and acceptance ranges shall be sent to the District for evaluation.

With the approval of the Engineer, when testing for RAP or FRAP, the ignition oven may be substituted for extractions according to the Illinois Test Procedure, "Calibration of the Ignition Oven for the Purpose of Characterizing Reclaimed Asphalt Pavement (RAP)".

1031.04 Quality Designation of Aggregate in RAP/FRAP.

- (a) The aggregate quality of the RAP, Fractionated RAP, Restricted FRAP, Conglomerate, and conglomerate "D" quality stockpiles shall be set by the lowest quality of coarse aggregate in the stockpile and are designated as follows:

- (1) RAP from Class I, Superpave (High ESAL)/HMA (High ESAL), or HMA (Low ESAL) IL-9.5L surface mixtures are designated as containing Class B quality coarse aggregate.
 - (2) RAP from Superpave (Low ESAL)/HMA (Low ESAL) IL-19.0L binder mixture is designated as Class D quality coarse aggregate.
 - (3) RAP from Class I, Superpave (High ESAL), or HMA (High ESAL) binder mixtures, bituminous base course mixtures, and bituminous base course widening mixtures are designated as containing Class C quality coarse aggregate.
 - (4) RAP from bituminous stabilized subbase and BAM shoulders are designated as containing Class D quality coarse aggregate.
- (b) The aggregate quality of FRAP shall be determined as follows.
- (1) If the Engineer has documentation of the quality of the FRAP aggregate, the Contractor shall use the assigned quality provided by the Engineer. If the quality is not known, the quality shall be determined according to note (2) herein:
 - (2) Fractionated RAP stockpiles containing plus #4 (4.75 mm) sieve coarse aggregate shall have a maximum tonnage of 5000 tons (4500 metric tons). The Contractor shall obtain a representative sample witnessed by the Engineer. The sample shall be a minimum of 50 lb (25 kg). The sample shall be extracted according to Illinois Modified AASHTO T 164 by a consultant prequalified by the Department for the specified testing. The consultant shall submit the test results along with the recovered aggregate to the District Office. The cost for this testing shall be paid by the Contractor. The District will forward the sample to the BMPR Aggregate Lab for MicroDeval Testing, according to Illinois Modified AASHTO T 327. A maximum loss of 15.0 percent will be applied for all HMA applications. The fine aggregate portion of the fractionated RAP shall not be used in any HMA mixtures that require a minimum of "B" quality aggregate or better, until the coarse aggregate fraction has been determined to be acceptable thru a MicroDeval Testing.

1031.05 Use of RAS, RAP or FRAP in HMA. The use of RAS, RAP or FRAP shall be a Contractor's option when constructing HMA in all contracts.

The use of RAS shall be as follows:

Type 1 or Type 2 RAS may be used alone or in conjunction with, Fractionated Reclaimed Asphalt Pavement (FRAP) or Reclaimed Asphalt Pavement (RAP), in all HMA mixtures up to a maximum of 5.0 percent by weight of total mix.

Reclaimed asphalt shingles (RAS) meeting Type 1 or Type 2 requirements will be permitted in all HMA mixtures for overlay applications. RAS will also be permitted in all Low ESAL full depth

pavement and ALL other Mixtures (Stabilized Subbase and shoulder HMA). RAS shall not be used in full depth HMA High ESAL main line pavement.

The use of RAP/FRAP shall be as follows:

- (a) Coarse Aggregate Size (after extraction), The coarse aggregate in all RAP or FRAP shall be equal to or less than the maximum size requirement for the HMA mixture to be produced.
- (b) Steel Slag Stockpiles. RAP stockpiles containing steel slag or other expansive material, as determined by the Department, shall be homogeneous and will be approved for use in HMA (High ESAL and Low ESAL) surface mixtures only.
- (c) Use in HMA Surface Mixtures (High and Low ESAL). RAP/FRAP and Restricted FRAP stockpiles for use in HMA surface mixtures (High and Low ESAL) shall in which the coarse aggregate is Class B quality or better. RAP/FRAP shall be considered equivalent to Limestone for frictional considerations unless produced/screened to minus 3/8 inch.
- (d) Use in HMA Binder Mixtures (High and Low ESAL), HMA Base Course, and HMA Base Course Widening. RAP/FRAP stockpiles for use in HMA binder mixtures (High and Low ESAL), HMA base course, and HMA base course widening shall be FRAP, in which the coarse aggregate is Class C quality or better.
- (e) Use in Shoulders and Subbase. RAP/FRAP stockpiles for use in HMA shoulders and stabilized subbase (HMA) shall RAP, Restricted FRAP, Conglomerate, or Conglomerate DQ.

When the Contractor chooses the RAP option, the percentage of virgin asphalt binder replaced by the asphalt binder from the RAP shall not exceed the percentages indicated in the table below for a given N Design:

Max Asphalt Binder Replacement RAP Only

Table 1

HMA Mixtures ^{1/, 3/}	Maximum % Asphalt Binder replacement (ABR)			
	Ndesign	Binder/Leveling Binder	Surface	Polymer Modified
30L		25	15	10
50		25	15	10
70		15	10	10
90		10	10	10
105		10	10	10

- 1/ For HMA "All Other" (shoulder and stabilized subbase) N-30, the percent asphalt binder replacement shall not exceed 50% of the total asphalt binder in the mixture.
- 2/ When the asphalt binder replacement exceeds 15 percent, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent binder replacement would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).

When the Contractor chooses either the RAS or FRAP option, the percent binder replacement shall not exceed the amounts indicated in the tables below for a given N Design.

Max Asphalt Binder Replacement RAS or FRAP
Table 2

HMA Mixtures ^{1/, 2/}	Level 1 - Maximum % ABR			
	Ndesign	Binder/Leveling Binder	Surface	Polymer ^{3/, 4/} Modified
30L		35	30	15
50		30	25	15
70		30	20	15
90		20	15	15
105		20	15	15

1/ For HMA "All Other" (shoulder and stabilized subbase) N-30, the percent asphalt binder replacement shall not exceed 50% of the total asphalt binder in the mixture.

2/ When the asphalt binder replacement exceeds 15 percent for all mixes, except for SMA and IL-4.75, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent binder replacement will require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).

3/ For SMA, when the FRAP option is used, the maximum ABR is 15 percent. When the RAS option is used, the maximum ABR is 20 percent. When the asphalt binder replacement in SMA exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).

4/ For IL 4.75 mix, when the FRAP option is used, the maximum ABR is 15 percent. When the RAS option is used, the maximum ABR is 20 percent. When the RAS option is used, a maximum of 5 percent RAS by weight of the mix, shall be permitted. When the ABR in the IL-4.75 exceeds 15 percent, the high and low virgin asphalt binder grade shall each be

reduced by one grade (i.e. 16 percent asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).

When the Contractor chooses the RAS with FRAP combination, the percent asphalt binder replacement shall split equally between the RAS and the FRAP, and the total replacement shall not exceed the amounts indicated in the tables below for a given N Design.

Max Asphalt Binder Replacement RAS and FRAP Combination
Table 3

HMA Mixtures ^{1/, 2/}	Level 2 - Maximum % ABR		
Ndesign	Binder/Leveling Binder	Surface	Polymer Modified ^{3/, 4/}
30L	40	40	20
50	40	30	20
70	40	30	20
90	40	30	20
105	40	30	20

1/ For HMA "All Other" (shoulder and stabilized subbase) N-30, the percent asphalt binder replacement shall not exceed 50% of the total asphalt binder in the mixture.

2/ When the binder replacement exceeds 15 percent for all mixes, except for SMA and IL-4.75, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent binder replacement will require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).

3/ For SMA, 20 percent ABR from RAS maybe combined with a maximum of 10 percent ABR from FRAP. When the asphalt binder replacement in SMA exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).

4/ For IL 4.75, a 20 percent ABR from RAS maybe combined with a maximum of 20 percent ABR from FRAP. When the asphalt binder replacement in the IL-4.75 exceeds 15 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 16 percent asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).

1031.06 HMA Mix Designs. All HMA mixtures will be required to be tested, prior to submittal for Department verification, according to Illinois Modified AASHTO T324 (Hamburg Wheel) and shall meet the following requirements:

Asphalt Binder Grade	# Repetitions	Max Rut Depth (mm)
PG76-XX	20,000	12.5
PG70-XX	20,000	12.5
PG64-XX	10,000	12.5
PG58-XX	10,000	12.5

Note: For SMA Designs (N-80) the maximum rut depth is 6.0 mm at 20,000 repetitions.
For IL 4.75 mm Designs (N-50) the maximum rut depth is 9.0 mm at 15,000 repetitions.

1031.07 HMA Production. All HMA mixtures shall be sampled within the first 500 tons on the first day of production or during start up, with a split reserved for the Department. The mix sample shall be tested according to Illinois Modified AASHTO T324 and shall meet the requirements specified herein. The production of such mixture, shall not exceed 1,500 tons or one days production, which ever comes first, until the testing is completed and the mixture is found to be in conformance. The requirement to cease mix production may be waived if the plant produced mixture is demonstrated prior to start of mix production for the contract.

To remove or reduce agglomerated material, a scalping screen, gator, crushing unit, or comparable sizing device approved by the Engineer shall be used in the RAS, RAP and FRAP feed system to remove or reduce oversized material. If material passing the sizing device adversely affects the mix production or quality of the mix, the sizing device shall be set at a size specified by the Engineer.

If the RAS, RAP and FRAP control tolerances or QC/QA test results require corrective action, the Contractor shall cease production of the mixture containing RAs, RAP or FRAP and either switch to the virgin aggregate design or submit a new RAS, RAP or FRAP design.

HMA plants utilizing RAS, RAP and FRAP shall be capable of automatically recording and printing the following information.

(a) Dryer Drum Plants.

- (1) Date, month, year, and time to the nearest minute for each print.
- (2) HMA mix number assigned by the Department.
- (3) Accumulated weight of dry aggregate (combined or individual) in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).

- (4) Accumulated dry weight of RAS, RAP and FRAP in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).
 - (5) Accumulated mineral filler in revolutions, tons (metric tons), etc. to the nearest 0.1 unit.
 - (6) Accumulated asphalt binder in gallons (liters), tons (metric tons), etc. to the nearest 0.1 unit.
 - (7) Residual asphalt binder in the RAS, RAP and FRAP material as a percent of the total mix to the nearest 0.1 percent.
 - (8) When producing mixtures with FRAP and/or RAS, a positive dust control system shall be utilized.
 - (9) Accumulated mixture tonnage.
 - (10) Dust removed (accumulated to the nearest 0.1ton)
 - (11) Aggregate RAS, RAP and FRAP moisture compensators in percent as set on the control panel. (Required when accumulated or individual aggregate and RAS, RAP FRAP are printed in wet condition.)
- (b) Batch Plants.
- (1) Date, month, year, and time to the nearest minute for each print.
 - (2) HMA mix number assigned by the Department.
 - (3) Individual virgin aggregate hot bin batch weights to the nearest pound (kilogram).
 - (4) Mineral filler weight to the nearest pound (kilogram).
 - (5) RAS, RAP and FRAP weight to the nearest pound (kilogram).
 - (6) Virgin asphalt binder weight to the nearest pound (kilogram).
 - (7) Residual asphalt binder in the RAS, RAP and FRAP material as a percent of the total mix to the nearest 0.1 percent.

The printouts shall be maintained in a file at the plant for a minimum of one year or as directed by the Engineer and shall be made available upon request. The printing system will be inspected by the Engineer prior to production and verified at the beginning of each construction season thereafter.

1031.08 RAP in Aggregate Surface Course and Aggregate Shoulders. The use of RAP or FRAP in aggregate surface course and aggregate shoulders shall be as follows.

- (a) Stockpiles and Testing. RAP stockpiles may be any of those listed in Article 1031.02, except "Non-Quality" and "FRAP". The testing requirements of Article 1031.03 shall not apply.
- (b) Gradation. One hundred percent of the RAP material shall pass the 1 1/2 in. (37.5mm) sieve. The RAP material shall be reasonably well graded from coarse to fine. RAP material that is gap-graded, FRAP, or single sized will not be accepted for use as Aggregate Surface Course and Aggregate Shoulders."

RECLAIMED ASPHALT PAVEMENT (RAP) (BMPR)

Effective: January 1, 2007

Revised: March 1, 2011

In Article 1030.02(g), delete the last sentence of the first paragraph in (Note 2).

Revise Section 1031 of the Standard Specifications to read:

"SECTION 1031. RECLAIMED ASPHALT PAVEMENT

1031.01 Description. Reclaimed asphalt pavement (RAP) is reclaimed asphalt pavement resulting from cold milling or crushing of an existing dense graded hot-mix asphalt (HMA) pavement. The Contractor shall supply written documentation that the RAP originated from routes or airfields under federal, state, or local agency jurisdiction.

1031.02 Stockpiles. The Contractor shall construct individual, sealed RAP stockpiles meeting one of the following definitions. No additional RAP shall be added to the pile after the pile has been sealed. Stockpiles shall be sufficiently separated to prevent intermingling at the base. Stockpiles shall be identified by signs indicating the type as listed below (i.e. "Homogeneous Surface").

Prior to milling, the Contractor shall request the District to provide verification of the quality of the RAP to clarify appropriate stockpile.

- (a) Fractionated RAP (FRAP). FRAP shall consist of RAP from Class I, Superpave (High ESAL), HMA (High ESAL), or equivalent mixtures. The coarse aggregate in FRAP shall be crushed aggregate and may represent more than one aggregate type and/or quality but shall be at least C quality. All FRAP shall be fractionated prior to testing by screening into a minimum of two size fractions with the separation occurring on or between the #4 (4.75 mm) and 1/2 in. (12.5 mm) sieves. Agglomerations shall be minimized such that 100 percent of the RAP in the coarse fraction shall pass one sieve size larger than the maximum sieve size specified for the mix the RAP will be used in.
- (b) Homogeneous. Homogeneous RAP stockpiles shall consist of RAP from Class I, Superpave (High ESAL), HMA (High ESAL), or equivalent mixtures and represent: 1) the same aggregate quality, but shall be at least C quality; 2) the same type of crushed aggregate (either crushed natural aggregate, ACBF slag, or steel slag); 3) similar gradation; and 4) similar asphalt binder content. If approved by the Engineer, combined single pass surface/binder millings may be considered "homogenous" with a quality rating dictated by the lowest coarse aggregate quality present in the mixture.
- (c) Conglomerate. Conglomerate RAP stockpiles shall consist of RAP from Class I, Superpave (High ESAL), HMA (High ESAL), or equivalent mixtures. The coarse aggregate in this RAP shall be crushed aggregate and may represent more than one aggregate type and/or quality but shall be at least C quality. This RAP may have an

inconsistent gradation and/or asphalt binder content prior to processing. All conglomerate RAP shall be processed prior to testing by crushing to where all RAP shall pass the 5/8 in. (16 mm) or smaller screen. Conglomerate RAP stockpiles shall not contain steel slag or other expansive material as determined by the Department.

- (d) Conglomerate "D" Quality (DQ). Conglomerate DQ RAP stockpiles shall consist of RAP from Class I, Superpave (High or Low ESAL), HMA (High or Low ESAL), or equivalent mixtures. The coarse aggregate in this RAP may be crushed or round but shall be at least D quality. This RAP may have an inconsistent gradation and/or asphalt binder content. Conglomerate DQ RAP stockpiles shall not contain steel slag or other expansive material as determined by the Department.
- (e) Non-Quality. RAP stockpiles that do not meet the requirements of the stockpile categories listed above shall be classified as "Non-Quality".

RAP/FRAP containing contaminants, such as earth, brick, sand, concrete, sheet asphalt, bituminous surface treatment (i.e. chip seal), pavement fabric, joint sealants, etc., will be unacceptable unless the contaminants are removed to the satisfaction of the Engineer. Sheet asphalt shall be stockpiled separately.

1031.03 Testing. When used in HMA, the RAP/FRAP shall be sampled and tested either during or after stockpiling.

For testing during stockpiling, washed extraction samples shall be run at the minimum frequency of one sample per 500 tons (450 metric tons) for the first 2000 tons (1800 metric tons) and one sample per 2000 tons (1800 metric tons) thereafter. A minimum of five tests shall be required for stockpiles less than 4000 tons (3600 metric tons).

For testing after stockpiling, the Contractor shall submit a plan for approval to the District proposing a satisfactory method of sampling and testing the RAP/FRAP pile either in-situ or by restockpiling. The sampling plan shall meet the minimum frequency required above and detail the procedure used to obtain representative samples throughout the pile for testing.

Before extraction, each field sample shall be split to obtain two samples of test sample size. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall extract the other test sample according to Department procedure. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

Evaluation of Test Results. All of the extraction results shall be compiled and averaged for asphalt binder content and gradation and, when applicable G_{mm} . Individual extraction test results, when compared to the averages, will be accepted if within the tolerances listed below.

Parameter	FRAP/Homogeneous /Conglomerate	Conglomerate "D" Quality
1 in. (25 mm)		± 5 %
1/2 in. (12.5 mm)	± 8 %	± 15 %
No. 4 (4.75 mm)	± 6 %	± 13 %
No. 8 (2.36 mm)	± 5 %	
No. 16 (1.18 mm)		± 15 %
No. 30 (600 μm)	± 5 %	
No. 200 (75 μm)	± 2.0 %	± 4.0 %
Asphalt Binder	± 0.4 % ^{1/}	± 0.5 %
G _{mm}	± 0.03	

1/ The tolerance for FRAP shall be ± 0.3 %.

If more than 20 percent of the individual sieves are out of the gradation tolerances, or if more than 20 percent of the asphalt binder content test results fall outside the appropriate tolerances, the RAP/FRAP shall not be used in HMA unless the RAP/FRAP representing the failing tests is removed from the stockpile. All test data and acceptance ranges shall be sent to the District for evaluation.

With the approval of the Engineer, the ignition oven may be substituted for extractions according to the Illinois Test Procedure, "Calibration of the Ignition Oven for the Purpose of Characterizing Reclaimed Asphalt Pavement (RAP)".

1031.04 Quality Designation of Aggregate in RAP/FRAP.

- (a) The aggregate quality of the RAP for homogenous, conglomerate, and conglomerate "D" quality stockpiles shall be set by the lowest quality of coarse aggregate in the RAP stockpile and are designated as follows.
- (1) RAP from Class I, Superpave (High ESAL)/HMA (High ESAL), or HMA (Low ESAL) IL-9.5L surface mixtures are designated as containing Class B quality coarse aggregate.
 - (2) RAP from Superpave (Low ESAL)/HMA (Low ESAL) IL-19.0L binder mixture is designated as Class D quality coarse aggregate.
 - (3) RAP from Class I, Superpave (High ESAL), or HMA (High ESAL) binder mixtures, bituminous base course mixtures, and bituminous base course widening mixtures are designated as containing Class C quality coarse aggregate.
 - (4) RAP from bituminous stabilized subbase and BAM shoulders are designated as containing Class D quality coarse aggregate.

(b) The aggregate quality of FRAP shall be determined as follows.

- (1) If the Engineer has documentation of the quality of the FRAP aggregate, the Contractor shall use the assigned quality provided by the Engineer. If the quality is not known, the quality shall be determined according to Article 1031.04(b)(2).
- (2) Fractionated stockpiles containing plus #4 (4.75 mm) sieve coarse aggregate shall have a maximum tonnage of 5000 tons (4500 metric tons). The Contractor shall obtain a representative sample witnessed by the Engineer. The sample shall be a minimum of 50 lb (25 kg). The sample shall be extracted according to Illinois Modified AASHTO T 164 by a consultant prequalified by the Department for the specified testing. The consultant shall submit the test results along with the recovered aggregate to the District Office. The cost for this testing shall be paid by the Contractor. The District will forward the sample to the BMR Aggregate Lab for MicroDeval Testing, according to Illinois Modified AASHTO T 327. A maximum loss of 15.0 percent will be applied for all HMA applications.”

1031.05 Use of RAP/FRAP in HMA. The use of RAP/FRAP shall be a Contractor's option when constructing HMA in all contracts. The use of RAP/FRAP in HMA shall be as follows.

- (a) Coarse Aggregate Size. The coarse aggregate in all RAP shall be equal to or less than the nominal maximum size requirement for the HMA mixture to be produced.
- (b) Steel Slag Stockpiles. RAP stockpiles containing steel slag or other expansive material, as determined by the Department, shall be homogeneous and will be approved for use in HMA (High ESAL and Low ESAL) surface mixtures only.
- (c) Use in HMA Surface Mixtures (High and Low ESAL). RAP/FRAP stockpiles for use in HMA surface mixtures (High and Low ESAL) shall be FRAP or homogeneous in which the coarse aggregate is Class B quality or better. RAP/FRAP shall be considered equivalent to Limestone for frictional considerations unless produced/screened to minus 3/8 inch.
- (d) Use in HMA Binder Mixtures (High and Low ESAL), HMA Base Course, and HMA Base Course Widening. RAP/FRAP stockpiles for use in HMA binder mixtures (High and Low ESAL), HMA base course, and HMA base course widening shall be FRAP, homogeneous, or conglomerate, in which the coarse aggregate is Class C quality or better.
- (e) Use in Shoulders and Subbase. RAP/FRAP stockpiles for use in HMA shoulders and stabilized subbase (HMA) shall be FRAP, homogeneous, conglomerate, or conglomerate DQ.
- (f) When the Contractor chooses the RAP option, the percentage of RAP shall not exceed the amounts indicated in the table below for a given N Design.

Max RAP Percentage

HMA Mixtures ^{1/, 3/}	Maximum % RAP		
	Ndesign	Binder/Leveling Binder	Surface
30	30	30	10
50	25	15	10
70	15 / 25 ^{2/}	10 / 15 ^{2/}	10
90	10	10	10
105	10	10	10

1/ For HMA "All Other" (shoulder and stabilized subbase) N-30, the amount of RAP shall not exceed 50% of the mixture.

2/ Value of Max % RAP if homogeneous RAP stockpile of IL-9.5 RAP is utilized.

3/ When RAP exceeds 20 percent, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent RAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28). If warm mix asphalt (WMA) technology is utilized, and production temperatures do not exceed 275 °F (135 °C) the high and low virgin asphalt binder grades shall each be reduced by one grade when RAP exceeds 25 percent (i.e. 26 percent RAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28)..

(g) When the Contractor chooses the FRAP option, the percentage of FRAP shall not exceed the amounts indicated in the tables below for a given N Design.

(1) Level 1 Max FRAP Percentage

HMA Mixtures ^{1/, 2/}	Level 1 - Maximum % FRAP		
	Ndesign	Binder/Leveling Binder	Surface
30	35	35	10
50	30	25	10
70	25	20	10
90	20	15	10
105	10	10	10

1/ For HMA "All Other" (shoulder and stabilized subbase) N30, the amount of FRAP shall not exceed 50 percent of the mixture.

2/ When FRAP exceeds 20 percent for all mixes, except for SMA and IL-4.75, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent FRAP would require a virgin asphalt binder

grade of PG64-22 to be reduced to a PG58-28). If warm mix asphalt (WMA) technology is utilized, and production temperatures do not exceed 275°F (135 °C) the high and low virgin asphalt binder grades shall each be reduced by one grade when FRAP exceeds 25 percent (i.e. 26 percent FRAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).

3/ For SMA the maximum FRAP shall be 20 percent. When the FRAP usage in SMA exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).

4/ For IL-4.75 mix the amount of minus #4 fine fraction FRAP shall not exceed 20 percent. When the FRAP usage in IL-4.75 exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).

(2) Level 2 Max FRAP Percentage

HMA Mixtures ^{1/, 2/}	Level 2 - Maximum % FRAP		
	Binder/Leveling Binder	Surface	Polymer Modified ^{3/, 4/}
30	40	40	10
50	40	30	10
70	30	20	10
90	30	20	10
105	30	15	10

1/ For HMA "All Other" (shoulder and stabilized subbase) N30, the amount of FRAP shall not exceed 50 percent of the mixture.

2/ When FRAP exceeds 20 percent for all mixes, except for SMA and IL-4.75, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent FRAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28). If warm mix asphalt (WMA) technology is utilized, and production temperatures do not exceed 275°F (135 °C) the high and low virgin asphalt binder grades shall each be reduced by one grade when FRAP exceeds 25 percent (i.e. 26 percent FRAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).

3/ For SMA the maximum FRAP shall be 20 percent. When the FRAP usage in SMA exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent asphalt binder

replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).

4/ For IL-4.75 mix the amount of minus #4 fine fraction FRAP shall not exceed 30 percent. When the FRAP usage in IL-4.75 exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).

1031.06 HMA Mix Designs. At the Contractor's option, HMA mixtures may be constructed utilizing RAP/FRAP material meeting the above detailed requirements.

FRAP mix designs exceeding the Level 1 FRAP percentages shall be tested prior to submittal for verification, according to Illinois Modified AASHTO T324 (Hamburg Wheel) and shall meet the following requirements:

Asphalt Binder Grade	# Repetitions	Max Rut Depth (mm)
PG76-XX	20,000	12.5
PG70-XX	15,000	12.5
PG64-XX	10,000	12.5
PG58-XX	10,000	12.5

RAP/FRAP designs shall be submitted for volumetric verification. If additional RAP/FRAP stockpiles are tested and found that no more than 20 percent of the results, as defined under "Testing" herein, are outside of the control tolerances set for the original RAP/FRAP stockpile and HMA mix design, and meets all of the requirements herein, the additional RAP/FRAP stockpiles may be used in the original mix design at the percent previously verified.

1031.07 HMA Production. Mixture production where the FRAP percentage exceeds the Level 1 limits shall be sampled within the first 500 tons on the first day of production with a split reserved for the Department. The mix sample shall be tested according to Illinois Modified AASHTO T324 and shall meet the requirements specified herein. FRAP mix production shall not exceed 1,500 tons or one days production, which ever comes first, until the testing is completed and the mixture is found to be in conformance. The requirement to cease mix production may be waived if the plant produced FRAP mixture conformance is demonstrated prior to start of mix production for the contract.

The coarse aggregate in all RAP used shall be equal to or less than the nominal maximum size requirement for the HMA mixture being produced.

To remove or reduce agglomerated material, a scalping screen, gator, crushing unit, or comparable sizing device approved by the Engineer shall be used in the RAP feed system to remove or reduce oversized material. If material passing the sizing device adversely affects the mix production or quality of the mix, the sizing device shall be set at a size specified by the Engineer.

If the RAP/FRAP control tolerances or QC/QA test results require corrective action, the Contractor shall cease production of the mixture containing RAP/FRAP and either switch to the virgin aggregate design or submit a new RAP/FRAP design.

HMA plants utilizing RAP/FRAP shall be capable of automatically recording and printing the following information.

(a) Dryer Drum Plants.

- (1) Date, month, year, and time to the nearest minute for each print.
- (2) HMA mix number assigned by the Department.
- (3) Accumulated weight of dry aggregate (combined or individual) in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).
- (4) Accumulated dry weight of RAP/FRAP in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).
- (5) Accumulated mineral filler in revolutions, tons (metric tons), etc. to the nearest 0.1 unit.
- (6) Accumulated asphalt binder in gallons (liters), tons (metric tons), etc. to the nearest 0.1 unit.
- (7) Residual asphalt binder in the RAP/FRAP material as a percent of the total mix to the nearest 0.1 percent.
- (8) Aggregate and RAP/FRAP moisture compensators in percent as set on the control panel. (Required when accumulated or individual aggregate and RAP/FRAP are printed in wet condition.)

(b) Batch Plants.

- (1) Date, month, year, and time to the nearest minute for each print.
- (2) HMA mix number assigned by the Department.
- (3) Individual virgin aggregate hot bin batch weights to the nearest pound (kilogram).
- (4) Mineral filler weight to the nearest pound (kilogram).
- (5) RAP/FRAP weight to the nearest pound (kilogram).
- (6) Virgin asphalt binder weight to the nearest pound (kilogram).

- (7) Residual asphalt binder in the RAP/FRAP material as a percent of the total mix to the nearest 0.1 percent.

The printouts shall be maintained in a file at the plant for a minimum of one year or as directed by the Engineer and shall be made available upon request. The printing system will be inspected by the Engineer prior to production and verified at the beginning of each construction season thereafter.

1031.08 RAP in Aggregate Surface Course and Aggregate Shoulders. The use of RAP in aggregate surface course and aggregate shoulders shall be as follows.

- (a) Stockpiles and Testing. RAP stockpiles may be any of those listed in Article 1031.02, except "Non-Quality" and "FRAP". The testing requirements of Article 1031.03 shall not apply.
- (b) Gradation. One hundred percent of the RAP material shall pass the 1 1/2 in. (37.5 mm) sieve. The RAP material shall be reasonably well graded from coarse to fine. RAP material that is gap-graded or single sized will not be accepted."

RECLAIMED ASPHALT SHINGLES (RAS) (BMPR)

Effective: March 1, 2011

Description. Reclaimed asphalt shingles (RAS) meeting Type 1 or Type 2 requirements will be permitted in all HMA mixtures as specified herein for overlay applications only. RAS shall not be used in full depth HMA pavement. RAS shall be a clean and uniform material with a maximum of 0.5 percent unacceptable materials, as defined in Bureau of Materials and Physical Research Policy (BMPR) Memorandum *Reclaimed Asphalt Shingle (RAS) Sources*, by weight of RAS. All RAS used shall come from a BMPR approved processing facility where it shall be ground and processed to 100 percent passing the 3/8 in. sieve and 93 percent passing the #4 sieve based on a dry shake gradation. RAS shall be uniform in gradation and asphalt binder content and shall meet the testing requirements specified herein.

Definitions. RAS shall meet either Type 1 or Type 2 requirements as specified herein.

- (a) Type 1. Type 1 RAS shall be processed; preconsumer asphalt shingles salvaged from the manufacture of residential asphalt roofing shingles.
- (b) Type 2. Type 2 RAS shall be processed post-consumer shingles only, salvaged from residential, or four unit or less dwellings not subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP).

Stockpiles. Type 1 and Type 2 RAS shall be stockpiled separately and shall not be intermingled. Each stockpile shall be signed indicating what type of RAS is present.

Unless otherwise approved by the Engineer, mechanically blending manufactured sand (FM20 or FM 22) up to an equal weight of RAS with the processed RAS will be permitted to improve workability. The sand shall be "B Quality" or better from an approved Aggregate Gradation Control System source. The sand shall be accounted for in the mix design and during HMA production.

Records identifying the shingle processing facility supplying the RAS, RAS type and lot number shall be maintained by project contract number and kept for a minimum of 3 years.

Testing. RAS shall be sampled and tested during stockpiling.

For testing during stockpiling, washed extraction, and testing for unacceptable materials shall be run at the minimum frequency of one sample per 200 tons (180 metric tons) for the first 1000 tons (900 metric tons) and one sample per 250 tons (225 metric tons) thereafter. A minimum of five tests are required for stockpiles less than 1000 tons (900 metric tons). Once a ≤ 1000 ton, five-test stockpile has been established it shall be sealed. Additional incoming RAS shall be stockpiled in a separate working pile as designated in the Quality Control plan and only added to the sealed stockpile when the test results of the working pile are complete and are found to meet the tolerances specified herein for the original sealed RAS stockpile.

Before testing, each field sample shall be split to obtain two samples. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall extract the other test sample according to Department procedures. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

Evaluation of Test Results. All of the test results, with the exception of percent unacceptable materials, shall be compiled and averaged for asphalt binder content, and gradation. Individual test results, when compared to the averages, will be accepted if within the tolerances listed below.

Parameter	RAS
No. 8 (2.36 mm)	± 5 %
No. 16 (1.18 mm)	± 5 %
No. 30 (600 µm)	± 4%
No. 200 (75 µm)	± 2.0 %
Asphalt Binder Content	± 1.5 %

If more than 20 percent of the individual sieves are out of the gradation tolerances, or if more than 20 percent of the asphalt binder content, or if the percent unacceptable materials exceeds 0.5 percent by weight of material retained on the #4 sieve, the RAS shall not be used in Department projects. All test data and acceptance ranges shall be sent to the District for evaluation.

Use of RAS in HMA. Type 1 or Type 2 RAS may be used alone or in conjunction with Reclaimed Asphalt Pavement (RAP) in all HMA mixtures up to a maximum of 5.0 percent by weight of total mix.

Level 1 asphalt binder replacement. The maximum Level 1 RAS or RAS/RAP blend usage will be dictated by the Level 1 - Maximum Asphalt Binder Replacement (MABR) table listed below.

HMA Mixtures ^{1/, 2/}	Level 1 - Maximum Asphalt Binder Replacement		
	Binder/Leveling Binder	Surface	Polymer Modified ^{3/, 4/}
30	35	35	10
50	30	25	10
70	25	20	10
90	20	15	10
105	10	10	10

1/ For HMA shoulder and stabilized subbase (HMA "All Other") N-30, the maximum binder replacement shall be 50 percent.

- 2/ When the asphalt binder replacement exceeds 20 percent for all mixtures, except for SMA and IL-4.75, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 25 percent asphalt binder replacement would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).
- 3/ For SMA the maximum asphalt binder replacement shall be 20 percent. When the binder replacement exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).
- 4/ For IL-4.75 mix the maximum asphalt binder replacement shall not exceed 20 percent. When the asphalt binder replacement exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).

Level 2 asphalt binder replacement. The maximum Level 2 RAS or RAS/RAP blend usage will be dictated by the Level 2 - MABR table listed below.

HMA Mixtures ^{1/, 2/}	Level 2 - Maximum Asphalt Binder Replacement		
	Binder/Leveling Binder	Surface	Polymer Modified ^{3/, 4/}
Ndesign			
30	40	40	10
50	40	30	10
70	30	20	10
90	30	20	10
105	30	15	10

- 1/ For HMA shoulder and stabilized subbase (HMA "All Other") N-30, the maximum binder replacement shall be 50 percent.
- 2/ When the asphalt binder replacement exceeds 20 percent for all mixtures, except for SMA and IL-4.75, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 25 percent asphalt binder replacement would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).
- 3/ For SMA the maximum asphalt binder replacement shall be 20 percent. When the binder replacement exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).
- 4/ For IL-4.75 mix the maximum asphalt binder replacement shall not exceed 30 percent. When the asphalt binder replacement exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent

asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).

HMA Mix Designs. RAS and RAS/RAP designs shall be submitted for volumetric verification. Type 1 and Type 2 RAS are not interchangeable in a mix design. A RAS stone bulk specific gravity (Gsb) of 2.500 shall be used for mix design purposes.

RAS and RAS/RAP mix designs with asphalt binder replacements exceeding the Level 1 – MABR limits specified herein, shall be tested prior to submittal for verification, according to Illinois Modified AASHTO T324 (Hamburg Wheel). RAS and RAS/RAP mixtures exceeding the Level 1 MABR limits shall meet the following requirements:

Asphalt Binder Grade	# Repetitions	Max Rut Depth (mm)
PG76-XX	20,000	12.5
PG70-XX	15,000	12.5
PG64-XX	10,000	12.5
PG58-XX	10,000	12.5

HMA Production. Mixture production, where the RAS and RAS/RAP asphalt binder replacement exceeds the Level 1 MABR, shall be sampled within the first 500 tons on the first day of production with a split reserved for the Department. The mix sample shall be tested according to Illinois Modified AASHTO T324 and shall meet the requirements specified herein. RAS and RAS/RAP mix production shall not exceed 1,500 tons or one days production, which ever comes first, until the testing is completed and the mixture is found to be in conformance. The requirement to cease mix production may be waived if the RAS and RAS/RAP plant produced mixture conformance is demonstrated prior to start of mix production for a State contract.

RAS shall be incorporated into the HMA mixture either by a separate weight depletion system or by using the RAP weigh belt. Either feed system shall be interlocked with the aggregate feed or weigh system to maintain correct proportions for all rates of production and batch sizes. The portion of RAS shall be controlled accurately to within ± 0.5 percent of the amount of RAS utilized. When using the weight depletion system, flow indicators or sensing devices shall be provided and interlocked with the plant controls such that mixture production is halted when RAS flow is interrupted.

When producing HMA containing RAS, a positive dust control system shall be utilized.

HMA plants utilizing RAS shall be capable of automatically recording and printing the following information.

(a) Dryer Drum Plants.

(1) Date, month, year, and time to the nearest minute for each print.

- (2) HMA mix number assigned by the Department.
- (3) Accumulated weight of dry aggregate (combined or individual) in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).
- (4) Accumulated dry weight of RAS in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).
- (5) Accumulated mineral filler in revolutions, tons (metric tons), etc. to the nearest 0.1 unit.
- (6) Accumulated asphalt binder in gallons (liters), tons (metric tons), etc. to the nearest 0.1 unit.
- (7) Residual asphalt binder in the RAS material as a percent of the total mix to the nearest 0.1 percent.
- (8) Aggregate and RAS moisture compensators in percent as set on the control panel. (Required when accumulated or individual aggregate and RAS are printed in wet condition.)

(b) Batch Plants.

- (1) Date, month, year, and time to the nearest minute for each print.
- (2) HMA mix number assigned by the Department.
- (3) Individual virgin aggregate hot bin batch weights to the nearest pound (kilogram).
- (4) Mineral filler weight to the nearest pound (kilogram).
- (5) RAS weight to the nearest pound (kilogram).
- (6) Virgin asphalt binder weight to the nearest pound (kilogram).
- (7) Residual asphalt binder in the RAS material as a percent of the total mix to the nearest 0.1 percent.

The printouts shall be maintained in a file at the plant for a minimum of one year or as directed by the Engineer and shall be made available upon request. The printing system will be inspected by the Engineer prior to production and verified at the beginning of each construction season thereafter.

CONSTRUCTION AIR QUALITY - DIESEL VEHICLE EMISSIONS CONTROL (BDE)

Effective: April 1, 2009

Revised: July 1, 2009

Diesel Vehicle Emissions Control. The reduction of construction air emissions shall be accomplished by using cleaner burning diesel fuel. The term "equipment" refers to any and all diesel fuel powered devices rated at 50 hp and above, to be used on the project site in excess of seven calendar days over the course of the construction period on the project site (including any "rental" equipment).

All equipment on the jobsite, with engine ratings of 50 hp and above, shall be required to: use Ultra Low Sulfur Diesel fuel (ULSD) exclusively (15 ppm sulfur content or less).

Diesel powered equipment in non-compliance will not be allowed to be used on the project site, and is also subject to a notice of non-compliance as outlined below.

The Contractor shall submit copies of monthly summary reports and include certified copies of the ULSD diesel fuel delivery slips for diesel fuel delivered to the jobsite for the reporting time period, noting the quantity of diesel fuel used.

If any diesel powered equipment is found to be in non-compliance with any portion of this specification, the Engineer will issue the Contractor a notice of non-compliance and identify an appropriate period of time, as outlined below under environmental deficiency deduction, in which to bring the equipment into compliance or remove it from the project site.

Any costs associated with bringing any diesel powered equipment into compliance with these diesel vehicle emissions controls shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed. The Contractor's compliance with this notice and any associated regulations shall also not be grounds for a claim.

Environmental Deficiency Deduction. When the Engineer is notified, or determines that an environmental control deficiency exists, he/she will notify the Contractor in writing, and direct the Contractor to correct the deficiency within a specified time period. The specified time-period, which begins upon Contractor notification, will be from 1/2 hour to 24 hours long, based on the urgency of the situation and the nature of the deficiency. The Engineer shall be the sole judge regarding the time period.

The deficiency will be based on lack of repair, maintenance and diesel vehicle emissions control.

If the Contractor fails to correct the deficiency within the specified time frame, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency continues to exist. The calendar day(s) will begin when the time period for correction is exceeded and end

with the Engineer's written acceptance of the correction. The daily monetary deduction will be \$1,000.00 for each deficiency identified.

If a Contractor or subcontractor accumulates three environmental deficiency deductions in a contract period, the Contractor will be shutdown until the deficiency is corrected. Such a shutdown will not be grounds for any extension of contract time, waiver of penalties, or be grounds for any claim.

80237

CONSTRUCTION AIR QUALITY - IDLING RESTRICTIONS (BDE)

Effective: April 1, 2009

Idling Restrictions. The Contractor shall establish truck-staging areas for all diesel powered vehicles that are waiting to load or unload material at the jobsite. Staging areas shall be located where the diesel emissions from the equipment will have a minimum impact on adjacent sensitive receptors. The Department will review the selection of staging areas, whether within or outside the existing highway right-of-way, to avoid locations near sensitive areas or populations to the extent possible. Sensitive receptors include, but are not limited to, hospitals, schools, residences, motels, hotels, daycare facilities, elderly housing and convalescent facilities. Diesel powered engines shall also be located as far away as possible from fresh air intakes, air conditioners, and windows. The Engineer will approve staging areas before implementation.

Diesel powered vehicle operators may not cause or allow the motor vehicle, when it is not in motion, to idle for more than a total of 10 minutes within any 60 minute period, except under any of the following circumstances:

- 1) The motor vehicle has a gross vehicle weight rating of less than 8000 lb (3630 kg).
- 2) The motor vehicle idles while forced to remain motionless because of on-highway traffic, an official traffic control device or signal, or at the direction of a law enforcement official.
- 3) The motor vehicle idles when operating defrosters, heaters, air conditioners, or other equipment solely to prevent a safety or health emergency.
- 4) A police, fire, ambulance, public safety, other emergency or law enforcement motor vehicle, or any motor vehicle used in an emergency capacity, idles while in an emergency or training mode and not for the convenience of the vehicle operator.
- 5) The primary propulsion engine idles for maintenance, servicing, repairing, or diagnostic purposes if idling is necessary for such activity.
- 6) A motor vehicle idles as part of a government inspection to verify that all equipment is in good working order, provided idling is required as part of the inspection.
- 7) When idling of the motor vehicle is required to operate auxiliary equipment to accomplish the intended use of the vehicle (such as loading, unloading, mixing, or processing cargo; controlling cargo temperature; construction operations, lumbering operations; oil or gas well servicing; or farming operations), provided that this exemption does not apply when the vehicle is idling solely for cabin comfort or to operate non-essential equipment such as air conditioning, heating, microwave ovens, or televisions.
- 8) When the motor vehicle idles due to mechanical difficulties over which the operator has no control.
- 9) The outdoor temperature is less than 32 °F (0 °C) or greater than 80 °F (26 °C).

When the outdoor temperature is greater than or equal to 32 °F (0 °C) or less than or equal to 80 °F (26 °C), a person who operates a motor vehicle operating on diesel fuel shall not cause or allow the motor vehicle to idle for a period greater than 30 minutes in any 60 minute period while waiting to weigh, load, or unload cargo or freight, unless the vehicle is in a line of vehicles that regularly and periodically moves forward.

The above requirements do not prohibit the operation of an auxiliary power unit or generator set as an alternative to idling the main engine of a motor vehicle operating on diesel fuel.

Environmental Deficiency Deduction. When the Engineer is notified, or determines that an environmental control deficiency exists based on non-compliance with the idling restrictions, he/she will notify the Contractor, and direct the Contractor to correct the deficiency.

If the Contractor fails to correct the deficiency a monetary deduction will be imposed. The monetary deduction will be \$1,000.00 for each deficiency identified.

80239

DRAINAGE AND INLET PROTECTION UNDER TRAFFIC (BDE)

Effective: April 1, 2011

Revised: January 1, 2012

Add the following to Article 603.02 of the Standard Specifications:

- (j) Temporary Hot-Mix Asphalt (HMA) Ramp (Note 1) 1030
 (k) Temporary Rubber Ramps (Note 2)

Note 1. The HMA shall have maximum aggregate size of 3/8 in. (95 mm).

Note 2. The rubber material shall be according to the following.

Property	Test Method	Requirement
Durometer Hardness, Shore A	ASTM D 2240	75 ±15
Tensile Strength, psi (kPa)	ASTM D 412	300 (2000) min
Elongation, percent	ASTM D 412	90 min
Specific Gravity	ASTM D 792	1.0 - 1.3
Brittleness, °F (°C)	ASTM D 746	-40 (-40)"

Revise Article 603.07 of the Standard Specifications to read:

603.07 Protection Under Traffic. After the casting has been adjusted and Class SI concrete has been placed, the work shall be protected by a barricade and two lights for at least 72 hours.

When castings are under traffic before the final surfacing operation has been started, properly sized temporary ramps shall be placed around the drainage and/or utility castings according to the following methods.

- (a) Temporary Asphalt Ramps. Temporary hot-mix asphalt ramps shall be placed around the casting, flush with its surface and decreasing to a featheredge in a distance of 2 ft (600 mm) around the entire surface of the casting.
- (b) Temporary Rubber Ramps. Temporary rubber ramps shall only be used on roadways with permanent posted speeds of 40 mph or less and when the height of the casting to be protected meets the proper sizing requirements for the rubber ramps as shown below.

Dimension	Requirement
Inside Opening	Outside dimensions of casting + 1 in. (25 mm)

Thickness at inside edge	Height of casting \pm 1/4 in. (6 mm)
Thickness at outside edge	1/4 in. (6 mm) max.
Width, measured from inside opening to outside edge	8 1/2 in. (215 mm) min

Placement shall be according to the manufacturer's specifications.

Temporary ramps for castings shall remain in place until surfacing operations are undertaken within the immediate area of the structure. Prior to placing the surface course, the temporary ramp shall be removed. Excess material shall be disposed of according to Article 202.03."

80272

FLAGGER AT SIDE ROADS AND ENTRANCES (BDE)

Effective: April 1, 2009

Revise the second paragraph of Article 701.13(a) of the Standard Specifications to read:

"The Engineer will determine when a side road or entrance shall be closed to traffic. A flagger will be required at each side road or entrance remaining open to traffic within the operation where two-way traffic is maintained on one lane of pavement. The flagger shall be positioned as shown on the plans or as directed by the Engineer."

Revise the first and second paragraph of Article 701.20(i) of the Standard Specifications to read:

"Signs, barricades, or other traffic control devices required by the Engineer over and above those specified will be paid for according to Article 109.04. All flaggers required at side roads and entrances remaining open to traffic including those that are shown on the Highway Standards and/or additional barricades required by the Engineer to close side roads and entrances will be paid for according to Article 109.04."

80228

HOT-MIX ASPHALT - DENSITY TESTING OF LONGITUDINAL JOINTS (BDE)

Effective: January 1, 2010

Description. This work shall consist of testing the density of longitudinal joints as part of the quality control/quality assurance (QC/QA) of hot-mix asphalt (HMA). Work shall be according to Section 1030 of the Standard Specifications except as follows.

Quality Control/Quality Assurance (QC/QA). Delete the second and third sentence of the third paragraph of Article 1030.05(d)(3) of the Standard Specifications.

Add the following paragraphs to the end of Article 1030.05(d)(3) of the Standard Specifications:

“Longitudinal joint density testing shall be performed at each random density test location. Longitudinal joint testing shall be located at a distance equal to the lift thickness or a minimum of 2 in. (50 mm), from each pavement edge. (i.e. for a 4 in. (100 mm) lift the near edge of the density gauge or core barrel shall be within 4 in. (100 mm) from the edge of pavement.) Longitudinal joint density testing shall be performed using either a correlated nuclear gauge or cores.

- a. Confined Edge. Each confined edge density shall be represented by a one-minute nuclear density reading or a core density and shall be included in the average of density readings or core densities taken across the mat which represents the Individual Test.
- b. Unconfined Edge. Each unconfined edge joint density shall be represented by an average of three one-minute density readings or a single core density at the given density test location and shall meet the density requirements specified herein. The three one-minute readings shall be spaced ten feet apart longitudinally along the unconfined pavement edge and centered at the random density test location.”

Revise the Density Control Limits table in Article 1030.05(d)(4) of the Standard Specifications to read:

Mixture Composition	Parameter	Individual Test (includes confined edges)	Unconfined Edge Joint Density Minimum
IL-9.5, IL-12.5	Ndesign ≥ 90	92.0 – 96.0%	90.0%
IL-9.5, IL-9.5L, IL-12.5	Ndesign < 90	92.5 – 97.4%	90.0%
IL-19.0, IL-25.0	Ndesign ≥ 90	93.0 – 96.0%	90.0%
IL-19.0, IL-19.0L, IL-25.0	Ndesign < 90	93.0 – 97.4%	90.0%
SMA	Ndesign = 50 & 80	93.5 – 97.4%	91.0%
All Other	Ndesign = 30	93.0 - 97.4%	90.0%”

IMPACT ATTENUATORS, TEMPORARY (BDE)

Effective: November 1, 2003

Revised: January 1, 2012

Description. This work shall consist of furnishing, installing, maintaining, and removing temporary impact attenuators of the category and test level specified.

Materials. Materials shall be according to the impact attenuator manufacturer's specifications and the following:

Item	Article/Section
(a) Fine Aggregate (Note 1).....	1003.01
(b) Steel Posts, Structural Shapes, and Plates	1006.04
(c) Rail Elements, End Section Plates, and Splice Plates	1006.25
(d) Bolts, Nuts, Washers and Hardware	1006.25
(e) Hollow Structural Tubing	1006.27(b)
(f) Wood Posts and Wood Blockouts	1007.01, 1007.02, 1007.06
(g) Preservative Treatment	1007.12
(h) Packaged Rapid Hardening Mortar	1018.01

Note 1. Fine aggregate shall be FA 1 or FA 2, Class A quality. The sand shall be unbagged and shall have a maximum moisture content of five percent.

CONSTRUCTION REQUIREMENTS

General. Impact Attenuators shall meet the testing criteria contained in either the National Cooperative Highway Research Program (NCHRP) Report 350 or MASH and shall be on the Department's approved list.

Installation. Impact attenuators shall be installed according to the manufacturer's specifications and include all necessary transitions between the impact attenuator and the item to which it is attached. Regrading of slopes or approaches for the installation shall be as shown on the plans.

Attenuator bases, when required by the manufacturer, shall be constructed on a prepared subgrade according to the manufacturer's specifications. The surface of the base shall be slightly sloped or crowned to facilitate drainage.

When water filled attenuators are used between November 1 and April 15, they shall contain anti-freeze according to the manufacturer's recommendations.

Markings. Sand module impact attenuators shall be striped with alternating reflectorized Type AA or Type AP fluorescent orange and reflectorized white horizontal, circumferential stripes. There shall be at least two of each stripe on each module.

Other types of impact attenuators shall have a terminal marker applied to their nose and reflectors along their sides.

Maintenance. All maintenance of the impact attenuators shall be the responsibility of the Contractor until removal is directed by the Engineer.

Relocate. When relocation of temporary impact attenuators is specified, they shall be removed, relocated and reinstalled at the new location. The reinstallation requirements shall be the same as those for a new installation.

Removal. When the Engineer determines the temporary impact attenuators are no longer required, the installation shall be dismantled with all hardware becoming the property of the Contractor.

Surplus material shall be disposed of according to Article 202.03. Anti-freeze, when present, shall be disposed of/recycled according to local ordinances.

When impact attenuators have been anchored to the pavement, the anchor holes shall be repaired with rapid set mortar; only enough water to permit placement and consolidation by rodding shall be used and the material shall be struck-off flush.

Method of Measurement. This work will be measured for payment as each, where each is defined as one complete installation.

Basis of Payment. This work will be paid for at the contract unit price per each for IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW); IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, WIDE); IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, RESETTABLE); IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW); IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, WIDE); or IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) of the test level specified.

Relocation of the devices will be paid for at the contract unit price per each for IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE); IMPACT ATTENUATORS, RELOCATE (SEVERE USE); or IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE); of the test level specified.

Regrading of slopes or approaches will be paid for according to Section 202 and/or Section 204 of the Standard Specifications.

80110

METAL HARDWARE CAST INTO CONCRETE (BDE)

Effective: April 1, 2008

Revised: January 1, 2012

Add the following to Article 503.02 of the Standard Specifications:

“(h) Metal Hardware Cast into Concrete 1006.13”

Add the following to Article 504.02 of the Standard Specifications:

“(j) Metal Hardware Cast into Concrete 1006.13”

Revise Article 1006.13 of the Standard Specifications to read:

“1006.13 Metal Hardware Cast into Concrete. Unless otherwise noted, all steel hardware cast into concrete, such as inserts, brackets, cable clamps, metal casings for formed holes, and other miscellaneous items, shall be galvanized according to AASHTO M 232 or AASHTO M 111. Aluminum inserts will not be allowed. Zinc alloy inserts shall be according to ASTM B 86, Alloys 3, 5, or 7.

When stainless steel junction boxes or other stainless steel appurtenances are specified, Type 304 stainless steel hardware shall be used when cast into concrete.

The inserts shall be UNC threaded type anchorages having the following minimum certified proof load.

Insert Diameter	Proof Load
5/8 in. (16 mm)	6600 lb (29.4 kN)
3/4 in. (19 mm)	6600 lb (29.4 kN)
1 in. (25 mm)	9240 lb (41.1 kN)”

80203

PAVEMENT MARKING REMOVAL (BDE)

Effective: April 1, 2009

Add the following to the end of the first paragraph of Article 783.03(a) of the Standard Specifications:

“The use of grinders will not be allowed on new surface courses.”

80231

PAYMENTS TO SUBCONTRACTORS (BDE)

Effective: June 1, 2000

Revised: January 1, 2006

Federal regulations found at 49 CFR §26.29 mandate the Department to establish a contract clause to require Contractors to pay subcontractors for satisfactory performance of their subcontracts and to set the time for such payments.

State law also addresses the timing of payments to be made to subcontractors and material suppliers. Section 7 of the Prompt Payment Act, 30 ILCS 540/7, requires that when a Contractor receives any payment from the Department, the Contractor shall make corresponding, proportional payments to each subcontractor and material supplier performing work or supplying material within 15 calendar days after receipt of the Department payment. Section 7 of the Act further provides that interest in the amount of two percent per month, in addition to the payment due, shall be paid to any subcontractor or material supplier by the Contractor if the payment required by the Act is withheld or delayed without reasonable cause. The Act also provides that the time for payment required and the calculation of any interest due applies to transactions between subcontractors and lower-tier subcontractors and material suppliers throughout the contracting chain.

This Special Provision establishes the required federal contract clause, and adopts the 15 calendar day requirement of the State Prompt Payment Act for purposes of compliance with the federal regulation regarding payments to subcontractors. This contract is subject to the following payment obligations.

When progress payments are made to the Contractor according to Article 109.07 of the Standard Specifications, the Contractor shall make a corresponding payment to each subcontractor and material supplier in proportion to the work satisfactorily completed by each subcontractor and for the material supplied to perform any work of the contract. The proportionate amount of partial payment due to each subcontractor and material supplier throughout the contracting chain shall be determined by the quantities measured or otherwise determined as eligible for payment by the Department and included in the progress payment to the Contractor. Subcontractors and material suppliers shall be paid by the Contractor within 15 calendar days after the receipt of payment from the Department. The Contractor shall not hold retainage from the subcontractors. These obligations shall also apply to any payments made by subcontractors and material suppliers to their subcontractors and material suppliers; and to all payments made to lower tier subcontractors and material suppliers throughout the contracting chain. Any payment or portion of a payment subject to this provision may only be withheld from the subcontractor or material supplier to whom it is due for reasonable cause.

This Special Provision does not create any rights in favor of any subcontractor or material supplier against the State or authorize any cause of action against the State on account of any payment, nonpayment, delayed payment, or interest claimed by application of the State Prompt Payment Act. The Department will not approve any delay or postponement of the 15 day requirement except for reasonable cause shown after notice and hearing pursuant to Section

| 7(b) of the State Prompt Payment Act. State law creates other and additional remedies available to any subcontractor or material supplier, regardless of tier, who has not been paid for work properly performed or material furnished. These remedies are a lien against public funds set forth in Section 23(c) of the Mechanics Lien Act, 770 ILCS 60/23(c), and a recovery on the Contractor's payment bond according to the Public Construction Bond Act, 30 ILCS 550.

80022

PLANTING WOODY PLANTS (BDE)

Effective: January 1, 2012

Revise the first sentence of the second paragraph of Article 253.14 of the Standard Specifications to read:

"This period of establishment for the plants shall not delay acceptance of the entire project and final payment due if the contractor requires and receives from the subcontractor a third party performance bond naming the Department as obligee in the full amount of the planting quantities subject to this period of establishment, multiplied by their contract unit prices."

Revise Article 253.17 of the Standard Specifications to read:

"253.17 Basis of Payment. This work will be paid for at the contract unit price per each for TREES, SHRUBS, or VINES, of the species, root type, and plant size specified; and per unit for SEEDLINGS. Payment will be made according to the following schedule.

- (a) Initial Payment. Upon completion of planting, mulch covering, wrapping, and bracing, 90 percent of the pay item(s) will be paid.
- (b) Final Payment. Upon inspection and acceptance of the plant material, or upon execution of a third party bond, the remaining ten percent of the pay item(s) will be paid."

80278

PORTLAND CEMENT CONCRETE (BDE)

Effective: January 1, 2012

Revise Notes 1 and 2 of Article 312.24 of the Standard Specifications to read:

"Note 1. Coarse aggregate shall be gradation CA 6, CA 7, CA 9, CA 10, or CA 11, Class D quality or better. Article 1020.05(d) shall apply.

Note 2. Fine aggregate shall be FA 1 or FA 2. Article 1020.05(d) shall apply."

Revise the first paragraph of Article 312.26 of the Standard Specifications to read:

"312.26 Proportioning and Mix Design. At least 60 days prior to start of placing CAM II, the Contractor shall submit samples of materials for proportioning and testing. The mixture shall contain a minimum of 200 lb (90 kg) of cement per cubic yard (cubic meter). Portland cement may be replaced with fly ash according to Article 1020.05(c)(1). Blends of coarse and fine aggregates will be permitted, provided the volume of fine aggregate does not exceed the volume of coarse aggregate. The Engineer will determine the proportions of materials for the mixture. However, the Contractor may substitute their own mix design. Article 1020.05(a) shall apply and a Level III PCC Technician shall develop the mix design."

Revise the second paragraph of Article 503.22 of the Standard Specifications to read:

Other cast-in-place concrete for structures will be paid for at the contract unit price per cubic yard (cubic meter) for CONCRETE HANDRAIL, CONCRETE ENCASUREMENT, and SEAL COAT CONCRETE."

Add the following to Article 1003.02 of the Standard Specifications:

(e) Alkali Reaction.

- (1) ASTM C 1260. Each fine aggregate will be tested by the Department for alkali reaction according to ASTM C 1260. The test will be performed with Type I or II portland cement having a total equivalent alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$) of 0.90 percent or greater. The Engineer will determine the assigned expansion value for each aggregate, and these values will be made available on the Department's Alkali-Silica Potential Reactivity Rating List. The Engineer may differentiate aggregate based on ledge, production method, gradation number, or other factors. An expansion value of 0.03 percent will be assigned to limestone or dolomite fine aggregates (manufactured stone sand). However, the Department reserves the right to perform the ASTM C 1260 test.

- (2) ASTM C 1293 by Department. In some instances, such as chert natural sand or other fine aggregates, testing according to ASTM C 1260 may not provide accurate test results. In this case, the Department may only test according to ASTM C 1293.
- (3) ASTM C 1293 by Contractor. If an individual aggregate has an ASTM C 1260 expansion value that is unacceptable to the Contractor, an ASTM C 1293 test may be performed by the Contractor to evaluate the Department's ASTM C 1260 test result. The laboratory performing the ASTM C 1293 test shall be approved by the Department according to the current Bureau of Materials and Physical Research Policy Memorandum "Minimum Laboratory Requirements for Alkali-Silica Reactivity (ASR) Testing".

The ASTM C 1293 test shall be performed with Type I or II portland cement having a total equivalent alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$) of 0.80 percent or greater. The interior vertical wall of the ASTM C 1293 recommended container (pail) shall be half covered with a wick of absorbent material consisting of blotting paper. If the testing laboratory desires to use an alternate container, wick of absorbent material, or amount of coverage inside the container with blotting paper, ASTM C 1293 test results with an alkali-reactive aggregate of known expansion characteristics shall be provided to the Engineer for review and approval. If the expansion is less than 0.040 percent after one year, the aggregate will be assigned an ASTM C 1260 expansion value of 0.08 percent that will be valid for two years, unless the Engineer determines the aggregate has changed significantly. If the aggregate is manufactured into multiple gradation numbers, and the other gradation numbers have the same or lower ASTM C 1260 value, the ASTM C 1293 test result may apply to multiple gradation numbers.

The Engineer reserves the right to verify a Contractor's ASTM C 1293 test result. When the Contractor performs the test, a split sample shall be provided to the Engineer. The Engineer may also independently obtain a sample at any time. The aggregate will be considered reactive if the Contractor or Engineer obtains an expansion value of 0.040 percent or greater.

Revise Article 1004.02(d) of the Standard Specifications to read:

"(d) Combining Sizes. Each size shall be stored separately and care shall be taken to prevent them from being mixed until they are ready to be proportioned. Separate compartments shall be provided to proportion each size.

- (1) When Class BS concrete is to be pumped, the coarse aggregate gradation shall have a minimum of 45 percent passing the 1/2 in. (12.5 mm) sieve. The Contractor

may combine two or more coarse aggregate sizes, consisting of CA 7, CA 11, CA 13, CA 14, and CA 16, provided a CA 7 or CA 11 is included in the blend.

- (2) If the coarse aggregate is furnished in separate sizes, they shall be combined in proportions to provide a uniformly graded coarse aggregate grading within the following limits.

Class of Concrete ^{1/}	Combined Sizes	Sieve Size and Percent Passing						
		2 1/2 in.	2 in.	1 3/4 in.	1 1/2 in.	1 in.	1/2 in.	No. 4
PV ^{2/}	CA 5 & CA 7	---	---	100	98±2	72±22	22±12	3±3
	CA 5 & CA 11	---	---	100	98±2	72±22	22±12	3±3
SI and SC ^{2/}	CA 3 & CA 7	100	95±5	---	---	55±25	20±10	3±3
	CA 3 & CA 11	100	95±5	---	---	55±25	20±10	3±3
	CA 5 & CA 7	---	---	100	98±2	72±22	22±12	3±3
	CA 5 & CA 11	---	---	100	98±2	72±22	22±12	3±3

Class of Concrete ^{1/}	Combined Sizes	Sieve Size (metric) and Percent Passing						
		63 mm	50 mm	45 mm	37.5 mm	25 mm	12.5 mm	4.75 mm
PV ^{2/}	CA 5 & CA 7	---	---	100	98±2	72±22	22±12	3±3
	CA 5 & CA 11	---	---	100	98±2	72±22	22±12	3±3
SI and SC ^{2/}	CA 3 & CA 7	100	95±5	---	---	55±25	20±10	3±3
	CA 3 & CA 11	100	95±5	---	---	55±25	20±10	3±3
	CA 5 & CA 7	---	---	100	98±2	72±22	22±12	3±3
	CA 5 & CA 11	---	---	100	98±2	72±22	22±12	3±3

1/ See Table 1 of Article 1020.04.

2/ Any of the listed combination of sizes may be used."

Add the following to Article 1004.02 of the Standard Specifications:

(g) Alkali Reaction.

- (1) Each coarse aggregate will be tested by the Department for alkali reaction according to ASTM C 1260. The test will be performed with Type I or II portland cement having a total equivalent alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$) of 0.90 percent or greater. The Engineer will determine the assigned expansion value for each aggregate, and these values will be made available on the Department's Alkali-Silica Potential Reactivity Rating List. The Engineer may differentiate aggregate based on ledge, production method, gradation number, or other factors. An expansion value of 0.05 percent will

be assigned to limestone or dolomite coarse aggregates. However, the Department reserves the right to perform the ASTM C 1260 test.

- (2) ASTM C 1293 by Department. In some instances testing a coarse aggregate according to ASTM C 1260 may not provide accurate test results. In this case, the Department may only test according to ASTM C 1293.
- (3) ASTM C 1293 by Contractor. If an individual aggregate has an ASTM C 1260 expansion value that is unacceptable to the Contractor, an ASTM C 1293 test may be performed by the Contractor according to Article 1003.02(e)(3).

Revise the first paragraph of Article 1019.06 of the Standard Specifications to read:

"1019.06 Contractor Mix Design. A Contractor may submit their own mix design and may propose alternate fine aggregate materials, fine aggregate gradations, or material proportions. Article 1020.05(a) shall apply and a Level III PCC Technician shall develop the mix design."

Revise Section 1020 of the Standard Specifications to read:

"SECTION 1020. PORTLAND CEMENT CONCRETE

1020.01 Description. This item shall consist of the materials, mix design, production, testing, curing, low air temperature protection, and temperature control of concrete.

1020.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Fine Aggregate	1003
(d) Coarse Aggregate	1004
(e) Concrete Admixtures	1021
(f) Finely Divided Minerals	1010
(g) Concrete Curing Materials	1022
(h) Straw	1081.06(a)(1)
(i) Calcium Chloride	1013.01

1020.03 Equipment. Equipment shall be according to the following.

Item	Article/Section
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(a) Concrete Mixers and Trucks	1103.01
(b) Batching and Weighing Equipment	1103.02
(c) Automatic and Semi-Automatic Batching Equipment	1103.03
(d) Water Supply Equipment	1103.11
(e) Membrane Curing Equipment	1101.09
(f) Mobile Portland Cement Concrete Plants	1103.04

1020.04 Concrete Classes and General Mix Design Criteria. The classes of concrete shown in Table 1 identify the various mixtures by the general uses and mix design criteria. If the class of concrete for a specific item of construction is not specified, Class SI concrete shall be used.

For the minimum cement factor in Table 1, it shall apply to portland cement, portland-pozzolan cement, and portland blast-furnace slag except when a particular cement is specified in the Table.

The Contractor shall not assume that the minimum cement factor indicated in Table 1 will produce a mixture that will meet the specified strength. In addition, the Contractor shall not assume that the maximum finely divided mineral allowed in a mix design according to Article 1020.05(c) will produce a mixture that will meet the specified strength. The Contractor shall select a cement factor within the allowable range that will obtain the specified strength. The Contractor shall take into consideration materials selected, seasonal temperatures, and other factors which may require the Contractor to submit multiple mix designs.

For a portland-pozzolan cement, portland blast-furnace slag cement, or when replacing portland cement with finely divided minerals per Articles 1020.05(c) and 1020.05(d), the portland cement content in the mixture shall be a minimum of 375 lbs/cu yd (222 kg/cu m). When the total of organic processing additions, inorganic processing additions, and limestone addition exceed 5.0 percent in the cement, the minimum portland cement content in the mixture shall be 400 lbs/cu yd (237 kg/cu m). When calculating the portland cement portion in the portland-pozzolan or portland blast-furnace slag cement, the AASHTO M 240 tolerance may be ignored.

Special classifications may be made for the purpose of including the concrete for a particular use or location as a separate pay item in the contract. The concrete used in such cases shall conform to this section.

TABLE 1. CLASSES OF CONCRETE AND MIX DESIGN CRITERIA

Class of Conc.	Use	Specification Section Reference	Cement Factor cwt/cu yd (3)		Water / Cement Ratio lb/lb	Slump in. (4)	Mix Design Compressive Strength (Flexural Strength) psi, minimum Days				Air Content %	Coarse Aggregate Gradations (14)																														
			Min.	Max			3	14	28																																	
										7			14	28																												
PV	Pavement Base Course Base Course Widening Driveway Pavement Shoulders Shoulder Curb	420 or 421 353 354 423 483 662	5.65 (1) 6.05 (2)	7.05	0.32 - 0.42	2 - 4 (5)	3500 (650)	3500 (650)	3500 (650)	5.0 - 8.0	CA 5 & CA 7, CA 5 & CA 11, CA 7, CA 11, or CA 14																															
												PP	Pavement Patching Bridge Deck Patching (10)	442	6.50 (TY III)	7.50 (TY III)	0.32 - 0.44	2 - 4	3200 (600)	Article 701.17(e)(3)b.	4.0 - 7.0	CA 7, CA 11, CA 13, CA 14, or CA 16																				
																							PP-1	PP-2	PP-3	PP-4	PP-5	6.00 (8)	6.25 (9)	6.75 (9)	4.0 - 6.0	CA 13, CA 14, or CA 16										
																																	RR	Railroad Crossing	422	6.50 (TY III)	7.20 (TY III)	0.32 - 0.44	2 - 4	3500 (650) at 48 hours	4.0 - 7.0 or CA 14	CA 7, CA 11, or CA 14
PC	Various Precast Concrete Items Wet Cast Dry Cast	1042	5.65 (TY III)	7.05 (TY III)	0.32 - 0.44 0.25 - 0.40	1 - 4 0 - 1	See Section 1042	5.0 - 8.0 N/A	CA 7, CA 11, CA 13, CA 14, CA 16, or CA 7 & CA 16																																	
										PS	Precast Prestressed Members Precast Prestressed Piles and Extensions	504 512	5.55 (TY III)	7.05 (TY III)	0.32 - 0.44	1 - 4	Plans 5000	5.0 - 8.0	CA 11 (11), CA 13, CA 14 (11), or CA 16																							
PS	Precast Prestressed Sight Screen	639	5.65 (TY III)	7.05 (TY III)	0.32 - 0.44	1 - 4	3500	5.0 - 8.0	CA 13, CA 14 (11), or CA 16																																	

TABLE 1. CLASSES OF CONCRETE AND MIX DESIGN CRITERIA

Class of Conc.	Use	Specification Section Reference	Cement Factor cw/ cu yd (3)		Water / Cement Ratio lb/lb	Slump in. (4)	Mix Design Compressive Strength (Flexural Strength) psi, minimum			Air Content %	Coarse Aggregate Gradations (14)
			Min.	Max			Days				
							3	14	28		
DS	Drilled Shaft (12)	516	6.65	7.05	0.32 - 0.44	6 - 8 (6)	4000 (675)		5.0 - 8.0	CA 13, CA 14, CA 16, or a blend of these gradations.	
	Metal Shell Piles (12)	512									
	Sign Structures	734									
	Drilled Shaft (12)										
	Light Tower Foundation (12)	837									
SC	Seal Coat	503	5.65 (1) 6.05 (2)	7.05	0.32 - 0.44	3 - 5	3500 (650)		Optional 6.0 max.	CA 3 & CA 7, CA 3 & CA 11, CA 5 & CA 7, CA 7 & CA 11, CA 7, or CA 11	
SI	Structures (except Superstructure)	503	5.65 (1) 6.05 (2)	7.05	0.32 - 0.44	2 - 4 (5)	3500 (650)		5.0 - 8.0	CA 3 & CA 7, CA 3 & CA 11, CA 5 & CA 7, CA 5 & CA 11, CA 7, CA 11, CA 13, CA 14, or CA 16 (13)	
	Sidewalk	424									
	Slope Wall	511									
	Encasement	512									
	Box Culverts	540									
	End Section and Collar	542									
	Curb, Gutter, Curb & Gutter, Median, and Paved Ditch	606									
	Concrete Barrier	637									
	Sign Structures	734									
	Spread Footing										
	Concrete Foundation										
	Pole Foundation (12)	836									
	Traffic Signal Foundation	878									
Drilled Shaft (12)											
Square or Rectangular											

Notes:

- (1) Central-mixed.
- (2) Truck-mixed or shrink-mixed. Shrink-mixed concrete will not be permitted for Class PV concrete.
- (3) For Class SC concrete and for any other class of concrete that is to be placed underwater, except Class DS concrete, the cement factor shall be increased by ten percent.
- (4) The maximum slump may be increased to 7 in. when a high range water-reducing admixture is used for all classes of concrete, except Class PV, SC, and PP. For Class SC, the maximum slump may be increased to 8 in. For Class PP-1, the maximum slump may be increased to 6 in. For Class PS, the 7 in. maximum slump may be increased to 8 1/2 in. if the high range water-reducing admixture is the polycarboxylate type.
- (5) The slump range for slipform construction shall be 1/2 to 1 1/2 in.
- (6) If concrete is placed to displace drilling fluid, or against temporary casing, the slump shall be 8 - 10 in. at the point of placement. If a water-reducing admixture is used in lieu of a high range water-reducing admixture according to Article 1020.05(b)(7), the slump shall be 2 - 4 in.
- (7) For Class BS concrete used in bridge deck patching, the coarse aggregate gradation shall be CA 13, CA 14, or CA 16, except CA 11 may be used for full-depth patching.
- (8) In addition to the Type III portland cement, 100 lb/cu yd of ground granulated blast-furnace slag and 50 lb/cu yd of microsilica (silica fume) shall be used. For an air temperature greater than 85 °F, the Type III portland cement may be replaced with Type I or II portland cement.
- (9) The cement shall be a rapid hardening cement from the Department's "Approved List of Packaged, Dry, Rapid Hardening Cementitious Materials for Concrete Repairs" for PP-4 and calcium aluminate cement for PP-5.
- (10) For Class PP concrete used in bridge deck patching, the aggregate gradation shall be CA 13, CA 14, or CA 16, except CA 11 may be used for full-depth patching. In addition, the mix design shall have 72 hours to obtain a 4,000 psi compressive or 675 psi flexural strength for all PP mix designs.
- (11) The nominal maximum size permitted is 3/4 in. Nominal maximum size is defined as the largest sieve which retains any of the aggregate sample particles.
- (12) The concrete mix shall be designed to remain fluid throughout the anticipated duration of the pour plus one hour. At the Engineer's discretion, the Contractor may be required to conduct a minimum 2 cu yd trial batch to verify the mix design.
- (13) CA 3 or CA 5 may be used when the nominal maximum size does not exceed two-thirds the clear distance between parallel reinforcement bars, or between the reinforcement bar and the form. Nominal maximum size is defined in Note 11.
- (14) Alternate combinations of gradations sizes may be used with the approval of the Engineer. Refer also to Article 1004.02(d) for additional information on combining sizes.

TABLE 1. CLASSES OF CONCRETE AND MIX DESIGN CRITERIA (metric)

Class of Conc.	Use	Specification Section Reference	Cement Factor kg/cu m (3)		Water / Cement Ratio kg/kg	S u p m m m (4)	Mix Design Compressive Strength (Flexural Strength) RPa, minimum			Air Content %	Coarse Aggregate Gradations (14)	
			Min.	Max.			Days	3	14			28
PV	Pavement Base Course Base Course Widening Driveway Pavement Shoulders Shoulder Curb	420 or 421 353 354 423 483 662	335 (1) 360 (2)	418	0.32 - 0.42	50 - 100 (5)	Ty III	24,000		5.0 - 8.0	CA 5 & CA 7, CA 5 & CA 11, CA 7, CA 11, or CA 14	
							24,000 (4500)					
							22,100 (4150)					
							Article 701.17(e)(3)b.					
							at 48 hours					
							at 24 hours					
PP	Pavement Patching Bridge Deck Patching (10) PP-1 PP-2 PP-3 PP-4 PP-5	442	385 (Ty III)	445 (Ty III)	0.32 - 0.44	50 - 100	24,000 (4500)		4.0 - 7.0 4.0 - 6.0 4.0 - 6.0 4.0 - 6.0 4.0 - 6.0	CA 7, CA 11, CA 13, CA 14, or CA 16		
			365 (Ty III)	435	0.32 - 0.38	50 - 150	at 48 hours					
			435 (Ty III) (8)	435 (Ty III) (8)	0.32 - 0.35	50 - 100	at 24 hours					
			355 (9)	370 (9)	0.32 - 0.50	50 - 150	at 16 hours					
			400 (9)	400 (9)	0.32 - 0.40	50 - 200	at 8 hours					
RR	Railroad Crossing	422	385 (Ty III)	445 (Ty III)	0.32 - 0.44	50 - 100	24,000 (4500)		4.0 - 7.0	CA 7, CA 11, or CA 14		
			365 (Ty III)	425 (Ty III)	0.32 - 0.44	50 - 100	at 48 hours					
BS	Bridge Superstructure Bridge Approach Slab	503	360	418	0.32 - 0.44	50 - 100 (5)	27,500 (4650)		5.0 - 8.0	CA 7, CA 11, or CA 14 (7)		
			335 (Ty III)	418 (Ty III)	0.32 - 0.44	25 - 100	See Section 1042					
PC	Various Precast Concrete Items Wet Cast Dry Cast	1042	335 (Ty III)	418 (Ty III)	0.32 - 0.44	25 - 100			5.0 - 8.0	CA 7, CA 11, CA 13, CA 14, CA 16, or CA 7 & CA 16		
			335 (Ty III)	418 (Ty III)	0.32 - 0.44	0 - 25						
PS	Precast Prestressed Members Precast Prestressed Piles and Extensions Precast Prestressed Sight Screen	504	335	418	0.32 - 0.44	25 - 100			N/A	CA 11 (11), CA 13, CA 14 (11), or CA 16		
		512	335 (Ty III)	418 (Ty III)	0.32 - 0.44	25 - 100	Plans	34,500				
		639						24,000				

TABLE 1. CLASSES OF CONCRETE AND MIX DESIGN CRITERIA (metric)

Class of Conc.	Use	Specification Section Reference	Cement Factor kg/cu m (3)		Water / Cement Ratio kg/kg	Sump mm (4)	Mix Design Compressive Strength (Flexural Strength) kPa, minimum			Air Content %	Coarse Aggregate Gradations (14)
			Min.	Max			3	14	28		
DS	Drilled Shaft (12) Metal Shell Piles (12) Sign Structures Drilled Shaft (12) Light Tower Foundation (12)	516	395	418	0.32 - 0.44	150 - 200 (6)	27,500 (4650)		5.0 - 8.0	CA 13, CA 14, CA 16, or a blend of these gradations.	
		512 734									
SC	Seal Coat	503	335 (1) 360 (2)	418	0.32 - 0.44	75 - 125	24,000 (4500)		Optional 6.0 max.	CA 3 & CA 7, CA 3 & CA 11, CA 5 & CA 7, CA 7 & CA 11, CA 7, or CA 11	
SI	Structures (except Superstructure) Sidewalk Slope Wall Encasement Box Culverts End Section and Collar Curb, Gutter, Curb & Gutter, Median, and Paved Ditch Concrete Barrier Sign Structures Spread Footing Concrete Foundation Pole Foundation (12) Traffic Signal Foundation Drilled Shaft (12) Square or Rectangular	503			0.32 - 0.44	50 - 100 (5)	24,000 (4500)		5.0 - 8.0	CA 3 & CA 7, CA 3 & CA 11, CA 5 & CA 7, CA 5 & CA 7, CA 7, CA 11, CA 7, CA 11, CA 13, CA 14, or CA 16 (13)	
		424 511 512 540 542 606 637 734	335 (1) 360 (2)	418							

Notes:

- (1) Central-mixed.
- (2) Truck-mixed or shrink-mixed. Shrink-mixed concrete will not be permitted for Class PV concrete.
- (3) For Class SC concrete and for any other class of concrete that is to be placed underwater, except Class DS concrete, the cement factor shall be increased by ten percent.
- (4) The maximum slump may be increased to 175 mm when a high range water-reducing admixture is used for all classes of concrete except Class PV, SC, and PP. For Class SC, the maximum slump may be increased to 200 mm. For Class PP-1, the maximum slump may be increased to 150 mm. For Class PS, the 175 mm maximum slump may be increased to 215 mm if the high range water-reducing admixture is the polycarboxylate type.
- (5) The slump range for slipform construction shall be 13 to 40 mm.
- (6) If concrete is placed to displace drilling fluid, or against temporary casing, the slump shall be 200 - 250 mm at the point of placement. If a water-reducing admixture is used in lieu of a high range water-reducing admixture according to Article 1020.05(b)(7), the slump shall be 50 - 100 mm.
- (7) For Class BS concrete used in bridge deck patching, the coarse aggregate gradation shall be CA 13, CA 14, or CA 16, except CA 11 may be used for full-depth patching.
- (8) In addition to the Type III portland cement, 60 kg/cu m of ground granulated blast-furnace slag and 30 kg/cu m of microsilica (silica fume) shall be used. For an air temperature greater than 30 °C, the Type III portland cement may be replaced with Type I or II portland cement.
- (9) The cement shall be a rapid hardening cement from the Department's "Approved List of Packaged, Dry, Rapid Hardening Cementitious Materials for Concrete Repairs" for PP-4 and calcium aluminate cement for PP-5.
- (10) For Class PP concrete used in bridge deck patching, the aggregate gradation shall be CA 13, CA 14, or CA 16, except CA 11 may be used for full-depth patching. In addition, the mix design shall have 72 hours to obtain a 27,500 kPa compressive or 4,650 kPa flexural.
- (11) The nominal maximum size permitted is 19 mm. Nominal maximum size is defined as the largest sieve which retains any of the aggregate sample particles.
- (12) The concrete mix shall be designed to remain fluid throughout the anticipated duration of the pour plus one hour. At the Engineer's discretion, the Contractor may be required to conduct a minimum 1.5 cu m trial batch to verify the mix design.
- (13) CA 3 or CA 5 may be used when the nominal maximum size does not exceed two-thirds the clear distance between parallel reinforcement bars, or between the reinforcement bar and the form. Nominal maximum size is defined in Note 11.
- (14) Alternate combinations of gradation sizes may be used with the approval of the Engineer. Refer also to Article 1004.02(d) for additional information on combining sizes.

1020.05 Other Concrete Criteria. The concrete shall be according to the following.

- (a) Proportioning and Mix Design. For all Classes of concrete, it shall be the Contractors responsibility to determine mix design material proportions and to proportion each batch of concrete. A Level III PCC Technician shall develop the mix design for all Classes of concrete, except Classes PC and PS. The mix design, submittal information, trial batch, and Engineer verification shall be according to the "Portland Cement Concrete Level III Technician" course material.

The Contractor shall provide the mix designs a minimum of 45 calendar days prior to production. More than one mix design may be submitted for each class of concrete.

The Engineer will verify the mix design submitted by the Contractor. Verification of a mix design shall in no manner be construed as acceptance of any mixture produced. Once a mix design has been verified, the Engineer shall be notified of any proposed changes.

Tests performed at the jobsite will determine if a mix design can meet specifications. If the tests indicate it cannot, the Contractor shall make adjustments to a mix design, or submit a new mix design if necessary, to comply with the specifications.

- (b) Admixtures. The Contractor shall be responsible for using admixtures and determining dosages for all Classes of concrete, cement aggregate mixture II, and controlled low-strength material that will produce a mixture with suitable workability, consistency, and plasticity. In addition, admixture dosages shall result in the mixture meeting the specified plastic and hardened properties. The Contractor shall obtain approval from the Engineer to use an accelerator when the concrete temperature is greater than 60 °F (16 °C). However, this accelerator approval will not be required for Class PP, RR, PC, and PS concrete. The accelerator shall be the non-chloride type unless otherwise specified in the contract plans.

The Department will maintain an Approved List of Corrosion Inhibitors. Corrosion inhibitor dosage rates shall be according to Article 1020.05(b)(10). For information on approved controlled low-strength material air-entraining admixtures, refer to Article 1019.02. The Department will also maintain an Approved List of Concrete Admixtures, and an admixture technical representative shall be consulted by the Contractor prior to the pour when determining an admixture dosage from this list or when making minor admixture dosage adjustments at the jobsite. The dosage shall be within the range indicated on the approved list unless the influence by other admixtures, jobsite conditions (such as a very short haul time), or other circumstances warrant a dosage outside the range. The Engineer shall be notified when a dosage is proposed outside the range. To determine an admixture dosage, air temperature, concrete temperature, cement source and quantity, finely divided mineral sources and quantity, influence of other admixtures, haul time, placement conditions, and other factors as appropriate shall be considered. The Engineer may request the Contractor to have a batch of concrete mixed in the lab or field to verify the admixture dosage is correct. An admixture dosage or combination of admixture dosages shall not delay the initial set of concrete by more

than one hour. When a retarding admixture is required or appropriate for a bridge deck or bridge deck overlay pour, the initial set time shall be delayed until the deflections due to the concrete dead load are no longer a concern for inducing cracks in the completed work. However, a retarding admixture shall not be used to further extend the pour time and justify the alteration of a bridge deck pour sequence.

When determining water in admixtures for water/cement ratio, the Contractor shall calculate 70 percent of the admixture dosage as water, except a value of 50 percent shall be used for a latex admixture used in bridge deck latex concrete overlays.

The sequence, method, and equipment for adding the admixtures shall be approved by the Engineer. Admixtures shall be added to the concrete separately. An accelerator shall always be added prior to a high range water-reducing admixture, if both are used.

Admixture use shall be according to the following.

- (1) When the atmosphere or concrete temperature is 65 °F (18 °C) or higher, a retarding admixture shall be used in the Class BS concrete and concrete bridge deck overlays. The proportions of the ingredients of the concrete shall be the same as without the retarding admixture, except that the amount of mixing water shall be reduced, as may be necessary, in order to maintain the consistency of the concrete as required. In addition, a high range water-reducing admixture shall be used in bridge deck concrete. At the option of the Contractor, a water-reducing admixture may be used with the high range water-reducing admixture in Class BS concrete.
- (2) At the Contractor's option, admixtures in addition to an air-entraining admixture may be used for Class PP-1 or RR concrete. When the air temperature is less than 55 °F (13 °C) and an accelerator is used, the non-chloride accelerator shall be calcium nitrite.
- (3) When Class C fly ash or ground granulated blast-furnace slag is used in Class PP-1 or RR concrete, a water-reducing or high range water-reducing admixture shall be used.
- (4) For Class PP-2 or PP-3 concrete, a non-chloride accelerator followed by a high range water-reducing admixture shall be used, in addition to the air-entraining admixture. The Contractor has the option to use a water-reducing admixture with the high range water-reducing admixture. For Class PP-3 concrete, the non-chloride accelerator shall be calcium nitrite. For Class PP-2 concrete, the non-chloride accelerator shall be calcium nitrite when the air temperature is less than 55 °F (13 °C).
- (5) For Class PP-4 concrete, a high range water-reducing admixture shall be used in addition to the air-entraining admixture. The Contractor has the option to use a water-reducing admixture with the high range water-reducing admixture. An accelerator shall not be used. For stationary or truck-mixed concrete, a retarding

admixture shall be used to allow for haul time. The Contractor has the option to use a mobile portland cement concrete plant, but a retarding admixture shall not be used unless approved by the Engineer.

For PP-5 concrete, a non-chloride accelerator, high range water-reducing admixture, and air-entraining admixture shall be used. The accelerator, high range water-reducing admixture, and air-entraining admixture shall be per the Contractor's recommendation and dosage. The approved list of concrete admixtures shall not apply. A mobile portland cement concrete plant shall be used to produce the patching mixture.

- (6) When a calcium chloride accelerator is specified in the contract, the maximum chloride dosage shall be 1.0 quart (1.0 L) of solution per 100 lb (45 kg) of cement. The dosage may be increased to a maximum 2.0 quarts (2.0 L) per 100 lb (45 kg) of cement if approved by the Engineer. When a calcium chloride accelerator for Class PP-2 concrete is specified in the contract, the maximum chloride dosage shall be 1.3 quarts (1.3 L) of solution per 100 lb (45 kg) of cement. The dosage may be increased to a maximum 2.6 quarts (2.6 L) per 100 lb (45 kg) of cement if approved by the Engineer.
- (7) For Class DS concrete a retarding admixture and a high range water-reducing admixture shall be used. For dry excavations that are 10 ft (3 m) or less, the high range water-reducing admixture may be replaced with a water-reducing admixture if the concrete is vibrated. The use of admixtures shall take into consideration the slump loss limits specified in Article 516.12 and the fluidity requirement in Article 1020.04 (Note 12).
- (8) At the Contractor's option, when a water-reducing admixture or a high range water-reducing admixture is used for Class PV, PP-1, RR, SC, and SI concrete, the cement factor may be reduced a maximum 0.30 hundredweight/cu yd (18 kg/cu m). However, a cement factor reduction will not be allowed for concrete placed underwater.
- (9) When Type F or Type G high range water-reducing admixtures are used, the initial slump shall be a minimum of 1 1/2 in. (40 mm) prior to addition of the Type F or Type G admixture, except as approved by the Engineer.
- (10) When specified, a corrosion inhibitor shall be added to the concrete mixture utilized in the manufacture of precast, prestressed concrete members and/or other applications. It shall be added, at the same rate, to all grout around post-tensioning steel when specified.

When calcium nitrite is used, it shall be added at the rate of 4 gal/cu yd (20 L/cu m), and shall be added to the mix immediately after all compatible admixtures have been introduced to the batch.

When Rheocrete 222+ is used, it shall be added at the rate of 1.0 gal/cu yd (5.0 L/cu m), and the batching sequence shall be according to the manufacturer's instructions.

(c) Finely Divided Minerals. Use of finely divided minerals shall be according to the following.

(1) Fly Ash. At the Contractor's option, fly ash from approved sources may partially replace portland cement in cement aggregate mixture II, Class PV, PP-1, PP-2, RR, BS, PC, PS, DS, SC, and SI concrete.

The use of fly ash shall be according to the following.

- a. Measurements of fly ash and portland cement shall be rounded up to the nearest 5 lb (2.5 kg).
- b. When Class F fly ash is used in cement aggregate mixture II, Class PV, BS, PC, PS, DS, SC, and SI concrete, the amount of portland cement replaced shall not exceed 25 percent by weight (mass).
- c. When Class C fly ash is used in cement aggregate mixture II, Class PV, PP-1, PP-2, RR, BS, PC, PS, DS, SC, and SI concrete, the amount of portland cement replaced shall not exceed 30 percent by weight (mass).
- d. Fly ash may be used in concrete mixtures when the air temperature is below 40 °F (4 °C), but the Engineer may request a trial batch of the concrete mixture to show the mix design strength requirement will be met.

(2) Ground Granulated Blast-Furnace (GGBF) Slag. At the Contractor's option, GGBF slag may partially replace portland cement in concrete mixtures, for Class PV, PP-1, PP-2, RR, BS, PC, PS, DS, SC, and SI concrete. For Class PP-3 concrete, GGBF slag shall be used according to Article 1020.04.

The use of GGBF slag shall be according to the following.

- a. Measurements of GGBF slag and portland cement shall be rounded up to the nearest 5 lb (2.5 kg).
- b. When GGBF slag is used in Class PV, PP-1, PP-2, RR, BS, PC, PS, DS, SC and SI concrete, the amount of portland cement replaced shall not exceed 35 percent by weight (mass).
- c. GGBF slag may be used in concrete mixtures when the air temperature is below 40 °F (4 °C), but the Engineer may request a trial batch of the concrete mixture to show the mix design strength requirement will be met.

- (3) Microsilica. At the Contractor's option, microsilica may be added at a maximum of 5.0 percent by weight (mass) of the cement and finely divided minerals summed together.

Microsilica shall be used in Class PP-3 concrete according to Article 1020.04.

- (4) High Reactivity Metakaolin (HRM). At the Contractor's option, HRM may be added at a maximum of 5.0 percent by weight (mass) of the cement and finely divided minerals summed together.

- (5) Mixtures with Multiple Finely Divided Minerals. Except as specified for Class PP-3 concrete, the Contractor has the option to use more than one finely divided mineral in Class PV, PP-1, PP-2, RR, BS, PC, PS, DS, SC, and SI concrete as follows.

- a. The mixture shall contain a maximum of two finely divided minerals. The finely divided mineral in portland-pozzolan cement or portland blast-furnace slag cement shall count toward the total number of finely divided minerals allowed. The finely divided minerals shall constitute a maximum of 35.0 percent of the total cement plus finely divided minerals. The fly ash portion shall not exceed 30.0 percent for Class C fly ash or 25.0 percent for Class F fly ash. The Class C and F fly ash combination shall not exceed 30.0 percent. The ground granulated blast-furnace slag portion shall not exceed 35.0 percent. The microsilica or high-reactivity metakaolin portion used together or separately shall not exceed ten percent. The finely divided mineral in the portland-pozzolan cement or portland blast-furnace slag blended cement shall apply to the maximum 35.0 percent.
- b. Central Mixed. For Class PV, SC, and SI concrete, the mixture shall contain a minimum of 565 lbs/cu yd (335 kg/cu m) of cement and finely divided minerals summed together. If a water-reducing or high-range water-reducing admixture is used, the Contractor has the option to use a minimum of 535 lbs/cu yd (320 kg/cu m).
- c. Truck-Mixed or Shrink-Mixed. For Class PV (only truck-mixed permitted), SC, and SI concrete, the mixture shall contain a minimum of 605 lbs/cu yd (360 kg/cu m) of cement and finely divided minerals summed together. If a water-reducing or high-range water-reducing admixture is used, the Contractor has the option to use a minimum of 575 lbs/cu yd (345 kg/cu m).
- d. Central-Mixed, Truck-Mixed or Shrink-Mixed. For Class PP-1 and RR concrete, the mixture shall contain a minimum of 650 lbs/cu yd (385 kg/cu m) of cement and finely divided minerals summed together. For Class PP-1 and RR concrete using Type III portland cement, the mixture shall contain a minimum of 620 lbs/cu yd (365 kg/cu m).

For Class PP-2 concrete, the mixture shall contain a minimum of 735 lbs/cu yd (435 kg/cu m) of cement and finely divided minerals summed together. For Class BS concrete, the mixture shall contain a minimum of 605 lbs/cu yd (360 kg/cu m). For Class DS concrete, the mixture shall contain a minimum of 665 lbs/cu yd (395 kg/cu m).

If a water-reducing or high range water-reducing admixture is used in Class PP-1 and RR concrete, the Contractor has the option to use a minimum of 620 lbs/cu yd (365 kg/cu m) of cement and finely divided minerals summed together. If a water-reducing or high-range water-reducing admixture is used with Type III portland cement in Class PP-1 and RR concrete, the Contractor has the option to use a minimum of 590 lbs/cu yd (350 kg/cu m).

- e. Central-Mixed or Truck-Mixed. For Class PC and PS concrete, the mixture shall contain a minimum of 565 lbs/cu yd (335 kg/cu m) of cement and finely divided minerals summed together.
 - f. The mixture shall contain a maximum of 705 lbs/cu yd (418 kg/cu m) of cement and finely divided mineral(s) summed together for Class PV, BS, PC, PS, DS, SC, and SI concrete. For Class PP-1 and RR concrete, the mixture shall contain a maximum of 750 lbs/cu yd (445 kg/cu m). For Class PP-1 and RR concrete using Type III portland cement, the mixture shall contain a maximum of 720 lbs/cu yd (425 kg/cu m). For Class PP-2 concrete, the mixture shall contain a maximum of 735 lbs/cu yd (435 kg/cu m).
 - g. For Class SC concrete and for any other class of concrete that is to be placed underwater, except Class DS concrete, the allowable cement and finely divided minerals summed together shall be increased by ten percent.
 - h. The combination of cement and finely divided minerals shall comply with Article 1020.05(d).
- (d) Alkali-Silica Reaction. For cast-in-place (includes cement aggregate mixture II), precast, and precast prestressed concrete, one of the mixture options provided in Article 1020.05(d)(2) shall be used to reduce the risk of a deleterious alkali-silica reaction in concrete exposed to humid or wet conditions. The mixture options are not intended or adequate for concrete exposed to potassium acetate, potassium formate, sodium acetate, or sodium formate. The mixture options will not be required for the dry environment (humidity less than 60 percent) found inside buildings for residential or commercial occupancy.

The mixture options shall not apply to concrete revetment mats, insertion lining of pipe culverts, portland cement mortar fairing course, controlled low-strength material, miscellaneous grouts that are not prepackaged, Class PP-3 concrete, Class PP-4 concrete, and Class PP-5 concrete.

- (1) Aggregate Groups. Each combination of aggregates used in a mixture will be assigned to an aggregate group. The point at which the coarse aggregate and fine aggregate expansion values intersect in the following table will determine the group.

Aggregate Groups			
Coarse Aggregate or Coarse Aggregate Blend ASTM C 1260 Expansion	Fine Aggregate Or Fine Aggregate Blend ASTM C 1260 Expansion		
	≤0.16%	>0.16% - 0.27%	>0.27%
≤0.16%	Group I	Group II	Group III
>0.16% - 0.27%	Group II	Group II	Group III
>0.27%	Group III	Group III	Group IV

- (2) Mixture Options. Based upon the aggregate group, the following mixture options shall be used. However, the Department may prohibit a mixture option if field performance shows a deleterious alkali-silica reaction or Department testing indicates the mixture may experience a deleterious alkali-silica reaction.

Group I – Mixture options are not applicable. Use any cement or finely divided mineral.

Group II – Mixture options 1, 2, 3, 4, or 5 shall be used.

Group III – Mixture options 1, combine 2 with 3, 4 or 5 shall be used.

Group IV – Mixture options 1, combine 2 with 4, or 5 shall be used.

- a. Mixture Option 1. The coarse or fine aggregates shall be blended to place the material in a group that will allow the selected cement or finely divided mineral to be used. Coarse aggregate may only be blended with another coarse aggregate. Fine aggregate may only be blended with another fine aggregate. Blending of coarse with fine aggregate to place the material in another group will not be permitted.

When a coarse for fine aggregate is blended, the weighted expansion value shall be calculated separately for the coarse and fine aggregate as follows:

$$\text{Weighted Expansion Value} = (a/100 \times A) + (b/100 \times B) + (c/100 \times C) + \dots$$

Where: a, b, c... = percentage of aggregate in the blend;
A, B, C... = expansion value for that aggregate.

- b. Mixture Option 2. A finely divided mineral shall be used as described in 1), 2), 3), or 4) that follow.

1. Class F Fly Ash. For cement aggregate mixture II, Class PV, BS, PC, PS, MS, DS, SC and SI concrete, the Class F fly ash shall be a minimum 25.0 percent by weight (mass) of the cement and finely divided minerals summed together.

If the maximum total equivalent available alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$) exceeds 4.50 percent for the Class F fly ash, it may be used only if it complies with Mixture Option 5.

2. Class C Fly Ash. For cement aggregate mixture II, Class PV, PP-1, PP-2, RR, BS, PC, PS, DS, SC, and SI concrete, Class C fly ash shall be a minimum of 25.0 percent by weight (mass) of the cement and finely divided minerals summed together.

If the maximum total equivalent available alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$) exceeds 4.50 percent or the calcium oxide exceeds 26.50 percent for the Class C fly ash, it may be used only per Mixture Option 5.

3. Ground Granulated Blast-Furnace Slag. For Class PV, PP-1, PP-2, RR, BS, PC, PS, DS, SC, and SI concrete, ground granulated blast-furnace slag shall be a minimum of 25.0 percent by weight (mass) of the cement and finely divided minerals summed together.

If the maximum total equivalent available alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$) exceeds 1.00 percent for the ground granulated blast-furnace slag, it may be used only per Mixture Option 5.

4. Microsilica or High Reactivity Metakaolin, Microsilica solids or high reactivity metakaolin shall be a minimum 5.0 percent by weight (mass) of the cement and finely divided minerals summed together.

If the maximum total equivalent available alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$) exceeds 1.00 percent for the Microsilica or High Reactivity Metakaolin, it may be used only if it complies with Mixture Option 5.

- c. Mixture Option 3. The cement used shall have a maximum total equivalent alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$) of 0.60 percent. When aggregate in Group II is involved and the Contractor desires to use a finely divided mineral, any finely divided mineral may be used with the cement unless the maximum total equivalent available alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$) exceeds 4.50 percent for the fly ash; or 1.00 percent for the ground granulated blast-furnace slag, microsilica or high reactivity metakaolin. If the alkali content is exceeded, the finely divided mineral may be used only per Mixture Option 5.
- d. Mixture option 4. The cement used shall have a maximum total equivalent alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$) of 0.45 percent. When aggregate in Group II or III is

involved and the Contractor desires to use a finely divided mineral, any finely divided mineral may be used with the cement unless the maximum total equivalent available alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$) exceeds 4.50 percent for the fly ash; or 1.00 percent for the ground granulated blast-furnace slag, microsilica, or high reactivity metakaolin. If the alkali content is exceeded, the finely divided mineral may be used only per Mixture Option 5.

- e. Mixture Option 5. The proposed cement or finely divided mineral may be used if the ASTM C 1567 expansion value is ≤ 0.16 percent when performed on the aggregate in the concrete mixture with the highest ASTM C 1260 test result. The laboratory performing the ASTM C 1567 test shall be approved by the Department according to the current Bureau of Materials and Physical Research Policy Memorandum "Minimum Laboratory Requirements for Alkali-Silica Reactivity (ASR) Testing". The ASTM C 1567 test will be valid for two years, unless the Engineer determines the materials have changed significantly. For latex concrete, the ASTM C 1567 test shall be performed without the latex. The 0.20 percent autoclave expansion limit in ASTM C 1567 shall not apply.

If during the two year time period the Contractor needs to replace the cement, and the replacement cement has an equal or lower total equivalent alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$), a new ASTM C 1567 test will not be required.

The Engineer reserved the right to verify a Contractor's ASTM C 1567 test result. When the Contractor performs the test, a split sample may be requested by the Engineer. The Engineer may also independently obtain a sample at any time. The proposed cement or finely divided mineral will not be allowed for use if the Contractor or Engineer obtains an expansion value greater than 0.16 percent.

1020.06 Water/Cement Ratio. The water/cement ratio shall be determined on a weight (mass) basis. When a maximum water/cement ratio is specified, the water shall include mixing water, water in admixtures, free moisture on the aggregates, and water added at the jobsite. The quantity of water may be adjusted within the limit specified to meet slump requirements.

When fly ash, ground granulated blast-furnace slag, high-reactivity metakaolin, or microsilica (silica fume) are used in a concrete mix, the water/cement ratio will be based on the total cement and finely divided minerals contained in the mixture.

1020.07 Slump. The slump shall be determined according to Illinois Modified AASHTO T 119.

If the measured slump falls outside the limits specified, a check test will be made. In the event of a second failure, the Engineer may refuse to permit the use of the batch of concrete represented.

If the Contractor is unable to add water to prepare concrete of the specified slump without exceeding the maximum design water/cement ratio, additional cement or water-reducing admixture shall be added.

1020.08 Air Content. The air content shall be determined according to Illinois Modified AASHTO T 152 or Illinois Modified AASHTO T 196. The air-entrainment shall be obtained by the use of cement with an approved air-entraining admixture added during the mixing of the concrete or the use of air-entraining cement.

If the air-entraining cement furnished is found to produce concrete having an air content outside the limits specified, its use shall be discontinued immediately and the Contractor shall provide other air-entraining cement which will produce air contents within the specified limits.

If the air content obtained is above the specified maximum limit at the jobsite, the Contractor, with the Engineer's approval, may add to the truck mixer non air-entraining cement in the proportion necessary to bring the air content within the specified limits, or the concrete may be further mixed, within the limits of time and revolutions specified, to reduce the air content. If the air content obtained is below the specified minimum limit, the Contractor may add to the concrete a sufficient quantity of an approved air-entraining admixture at the jobsite to bring the air content within the specified limits.

1020.09 Strength Tests. The specimens shall be molded and cured according to Illinois Modified AASHTO T 23. Specimens shall be field cured with the construction item as specified in Illinois Modified AASHTO T 23. The compressive strength shall be determined according to Illinois Modified AASHTO T 22. The flexural strength shall be determined according to Illinois Modified AASHTO T 177.

Except for Class PC and PS concrete, the Contractor shall transport the strength specimens from the site of the work to the field laboratory or other location as instructed by the Engineer. During transportation in a suitable light truck, the specimens shall be embedded in straw, burlap, or other acceptable material in a manner meeting with the approval of the Engineer to protect them from damage; care shall be taken to avoid impacts during hauling and handling. For strength specimens, the Contractor shall provide a water storage tank for curing.

1020.10 Handling, Measuring, and Batching Materials. Aggregates shall be handled in a manner to prevent mixing with soil and other foreign material.

Aggregates shall be handled in a manner which produces a uniform gradation, before placement in the plant bins. Aggregates delivered to the plant in a nonuniform gradation condition shall be stockpiled. The stockpiled aggregate shall be mixed uniformly before placement in the plant bins.

Aggregates shall have a uniform moisture content before placement in the plant bins. This may require aggregates to be stockpiled for 12 hours or more to allow drainage, or water added to the stockpile, or other methods approved by the Engineer. Moisture content requirements for crushed slag or lightweight aggregate shall be according to Article 1004.01(e).

Aggregates, cement, and finely divided minerals shall be measured by weight (mass). Water and admixtures shall be measured by volume or weight (mass).

The Engineer may permit aggregates, cement, and finely divided minerals to be measured by volume for small isolated structures and for miscellaneous items. Aggregates, cement, and finely divided minerals shall be measured individually. The volume shall be based upon dry, loose materials.

1020.11 Mixing Portland Cement Concrete. The mixing of concrete shall be according to the following.

(a) Ready-Mixed Concrete. Ready-mixed concrete is central-mixed, truck-mixed, or shrink-mixed concrete transported and delivered in a plastic state ready for placement in the work and shall be according to the following.

(1) Central-Mixed Concrete. Central-mixed concrete is concrete which has been completely mixed in a stationary mixer and delivered in a truck agitator, a truck mixer operating at agitating speed, or a nonagitator truck.

The stationary mixer shall operate at the drum speed for which it was designed. The batch shall be charged into the drum so that some of the water shall enter in advance of the cement, finely divided minerals, and aggregates. The flow of the water shall be uniform and all water shall be in the drum by the end of the first 15 seconds of the mixing period. Water shall begin to enter the drum from zero to two seconds in advance of solid material and shall stop flowing within two seconds of the beginning of mixing time.

Some coarse aggregate shall enter in advance of other solid materials. For the balance of the charging time for solid materials, the aggregates, finely divided minerals, and cement (to assure thorough blending) shall each flow at acceptably uniform rates, as determined by visual observation. Coarse aggregate shall enter two seconds in advance of other solid materials and a uniform rate of flow shall continue to within two seconds of the completion of charging time.

The entire contents of the drum, or of each single compartment of a multiple-drum mixer, shall be discharged before the succeeding batch is introduced.

The volume of concrete mixed per batch shall not exceed the mixer's rated capacity as shown on the standard rating plate on the mixer by more than ten percent.

The minimum mixing time shall be 75 seconds for a stationary mixer having a capacity greater than 2 cu yd (1.5 cu m). For a mixer with a capacity equal to or less than 2 cu yd (1.5 cu m) the mixing time shall be 60 seconds. Transfer time in multiple drum mixers is included in the mixing time. Mixing time shall begin when all materials are in the mixing compartment and shall end when the discharge of any

part of the batch is started. The required mixing times will be established by the Engineer for all types of stationary mixers.

When central-mixed concrete is to be transported in a truck agitator or a truck mixer, the stationary-mixed batch shall be transferred to the agitating unit without delay and without loss of any portion of the batch. Agitating shall start immediately thereafter and shall continue without interruption until the batch is discharged from the agitator. The ingredients of the batch shall be completely discharged from the agitator before the succeeding batch is introduced. Drums and auxiliary parts of the equipment shall be kept free from accumulations of materials.

The vehicles used for transporting the mixed concrete shall be of such capacity, or the batches shall be so proportioned, that the entire contents of the mixer drum can be discharged into each vehicle load.

- (2) **Truck-Mixed Concrete.** Truck-mixed concrete is completely mixed and delivered in a truck mixer. When the mixer is charged with fine and coarse aggregates simultaneously, not less than 60 nor more than 100 revolutions of the drum or blades at mixing speed shall be required, after all of the ingredients including water are in the drum. When fine and coarse aggregates are charged separately, not less than 70 revolutions will be required. Additional mixing beyond 100 revolutions shall be at agitating speed unless additions of water, admixtures, cement, or other materials are made at the jobsite. The mixing operation shall begin immediately after the cement and water, or the cement and wet aggregates, come in contact. The ingredients of the batch shall be completely discharged from the drum before the succeeding batch is introduced. The drum and auxiliary parts of the equipment shall be kept free from accumulations of materials. If additional water or an admixture is added at the jobsite, the concrete batch shall be mixed a minimum of 40 additional revolutions after each addition.
- (3) **Shrink-Mixed Concrete.** Shrink-mixed concrete is mixed partially in a stationary mixer and completed in a truck mixer for delivery. The mixing time of the stationary mixer may be reduced to a minimum of 30 seconds to intermingle the ingredients, before transferring to the truck mixer. All ingredients for the batch shall be in the stationary mixer and partially mixed before any of the mixture is discharged into the truck mixer. The partially mixed batch shall be transferred to the truck mixer without delay and without loss of any portion of the batch, and mixing in the truck mixer shall start immediately. The mixing time in the truck mixer shall be not less than 50 nor more than 100 revolutions of the drum or blades at mixing speed. Additional mixing beyond 100 revolutions shall be at agitating speed, unless additions of water, admixtures, cement, or other materials are made at the jobsite. Units designed as agitators shall not be used for shrink mixing. The ingredients of the batch shall be completely discharged from the drum before the succeeding batch is introduced. The drum and auxiliary parts of the equipment shall be kept free from accumulations of materials. If additional water or an admixture is added at the jobsite, the concrete batch shall be mixed a minimum of 40 additional revolutions after each addition.

- (4) **Mixing Water.** Wash water shall be completely discharged from the drum or container before a batch is introduced. All mixing water shall be added at the plant and any adjustment of water at the jobsite by the Contractor shall not exceed the specified maximum water/cement ratio or slump. If strength specimens have been made for a batch of concrete, and subsequently during discharge there is more water added, additional strength specimens shall be made for the batch of concrete. No additional water may be added at the jobsite to central-mixed concrete if the mix design has less than 565 lbs/cu yd (335 kg/cu m) of cement and finely divided minerals summed together.
- (5) **Mixing and Agitating Speeds.** The mixing or agitating speeds used for truck mixers or truck agitators shall be per the manufacturer's rating plate.
- (6) **Capacities.** The volume of plastic concrete in a given batch will be determined according to AASHTO T 121, based on the total weight (mass) of the batch, determined either from the weight (masses) of all materials, including water, entering the batch or directly from the net weight (mass) of the concrete in the batch as delivered.

The volume of mixed concrete in truck mixers or truck agitators shall in no case be greater than the rated capacity determined according to the Truck Mixer, Agitator, and Front Discharge Concrete Carrier Standards of the Truck Mixer Manufacturer's Bureau, as shown by the rating plate attached to the truck. If the truck mixer does not have a rating plate, the volume of mixed concrete shall not exceed 63 percent of the gross volume of the drum or container, disregarding the blades. For truck agitators, the value is 80 percent.

- (7) **Time of Haul.** Haul time shall begin when the delivery ticket is stamped. The delivery ticket shall be stamped no later than five minutes after the addition of the mixing water to the cement, or after the addition of the cement to the aggregate when the combined aggregates contain free moisture in excess of two percent by weight (mass). If more than one batch is required for charging a truck using a stationary mixer, the time of haul shall start with mixing of the first batch. Haul time shall end when the truck is emptied for incorporation of the concrete into the work.

The time elapsing from when water is added to the mix until it is deposited in place at the site of the work shall not exceed 30 minutes when the concrete is transported in nonagitating trucks.

The maximum haul time for concrete transported in truck mixers or truck agitators shall be according to the following.

Concrete Temperature at Point of Discharge °F (°C)	Haul Time	
	Hours	Minutes
50-64 (10-17.5)	1	30

>64 (>17.5) - without retarder	1	0
>64 (>17.5) - with retarder	1	30

To encourage start-up testing for mix adjustments at the plant, the first two trucks will be allowed an additional 15 minutes haul time whenever such testing is performed.

For a mixture which is not mixed on the jobsite, a delivery ticket shall be required for each load. The following information shall be recorded on each delivery ticket: (1) ticket number; (2) name of producer and plant location; (3) contract number; (4) name of Contractor; (5) stamped date and time batched; (6) truck number; (7) quantity batched; (8) amount of admixture(s) in the batch; (9) amount of water in the batch; and (10) Department mix design number.

For concrete mixed in jobsite stationary mixers, the above delivery ticket may be waived, but a method of verifying the haul time shall be established to the satisfaction of the Engineer.

- (8) Production and Delivery. The production of ready-mixed concrete shall be such that the operations of placing and finishing will be continuous insofar as the job operations require. The Contractor shall be responsible for producing concrete that will have the required workability, consistency, and plasticity when delivered to the work. Concrete which is unsuitable for placement as delivered will be rejected. The Contractor shall minimize the need to adjust the mixture at the jobsite, such as adding water, admixtures, and cement prior to discharging.
- (9) Use of Multiple Plants in the Same Construction Item. The Contractor may simultaneously use central-mixed, truck-mixed, and shrink-mixed concrete from more than one plant, for the same construction item, on the same day, and in the same pour. However, the following criteria shall be met.
- a. Each plant shall use the same cement, finely divided minerals, aggregates, admixtures, and fibers.
 - b. Each plant shall use the same mix design. However, material proportions may be altered slightly in the field to meet slump and air content criteria. Field water adjustments shall not result in a difference that exceeds 0.02 between plants for water/cement ratio. The required cement factor for central-mixed concrete shall be increased to match truck-mixed or shrink-mixed concrete, if the latter two types of mixed concrete are used in the same pour.
 - c. The maximum slump difference between deliveries of concrete shall be 3/4 in. (19 mm) when tested at the jobsite. If the difference is exceeded, but test results are within specification limits, the concrete may be used. The Contractor shall take immediate corrective action and shall test subsequent deliveries of concrete until the slump difference is corrected. For each day, the first three truck loads of delivered concrete from each plant shall be tested for slump by the Contractor.

Thereafter, when a specified test frequency for slump is to be performed, it shall be conducted for each plant at the same time.

- d. The maximum air content difference between deliveries of concrete shall be 1.5 percent when tested at the jobsite. If the difference is exceeded, but test results are within specification limits, the concrete may be used. The Contractor shall take immediate corrective action and shall test subsequent deliveries of concrete until the air content difference is corrected. For each day, the first three truck loads of delivered concrete from each plant shall be tested for air content by the Contractor. Thereafter, when a specified test frequency for air content is to be performed, it shall be conducted for each plant at the same time.
 - e. Strength tests shall be performed and taken at the jobsite for each plant. When a specified strength test is to be performed, it shall be conducted for each plant at the same time. The difference between plants for strength shall not exceed 900 psi (6200 kPa) compressive and 90 psi (620 kPa) flexural. If the strength difference requirements are exceeded, the Contractor shall take corrective action.
 - f. The maximum haul time difference between deliveries of concrete shall be 15 minutes. If the difference is exceeded, but haul time is within specification limits, the concrete may be used. The Contractor shall take immediate corrective action and check subsequent deliveries of concrete.
- (b) Class PC Concrete. The concrete shall be central-mixed or truck-mixed. Variations in plastic concrete properties shall be minimized between batches.
- (c) Class PV Concrete. The concrete shall be central-mixed or truck-mixed.

The required mixing time for stationary mixers with a capacity greater than 2 cu yd (1.5 cu m) may be less than 75 seconds upon satisfactory completion of a mixer performance test. Mixer performance tests may be requested by the Contractor when the quantity of concrete to be placed exceeds 50,000 sq yd (42,000 sq m). The testing shall be conducted according to the current Bureau of Materials and Physical Research's Policy Memorandum, "Field Test Procedures for Mixer Performance and Concrete Uniformity Tests".

The Contractor will be allowed to test two mixing times within a range of 50 to 75 seconds. If satisfactory results are not obtained from the required tests, the mixing time shall continue to be 75 seconds for the remainder of the contract. If satisfactory results are obtained, the mixing time may be reduced. In no event will mixing time be less than 50 seconds.

The Contractor shall furnish the labor, equipment, and material required to perform the testing according to the current Bureau of Materials and Physical Research's Policy

Memorandum, "Field Test Procedures for Mixer Performance and Concrete Uniformity Tests".

A contract which has 12 ft (3.6 m) wide pavement or base course, and a continuous length of 1/2 mile (0.8 km) or more, shall have the following additional requirements.

- (1) The plant and truck delivery operation shall be able to provide a minimum of 50 cu yd (38 cu m) of concrete per hour.
 - (2) The plant shall have automatic or semi-automatic batching equipment.
- (d) All Other Classes of Concrete. The concrete shall be central-mixed, truck-mixed, or shrink-mixed concrete.

1020.12 Mobile Portland Cement Concrete Plants. The use of a mobile portland cement concrete plant may be approved under the provisions of Article 1020.10 for volumetric proportioning in small isolated structures, thin overlays, and for miscellaneous and incidental concrete items.

The first 1 cu ft (0.03 cu m) of concrete produced may not contain sufficient mortar and shall not be incorporated in the work. The side plate on the cement feeder shall be removed periodically (normally the first time the mixer is used each day) to see if cement is building up on the feed drum.

Sufficient mixing capacity of mixers shall be provided to enable continuous placing and finishing insofar as the job operations and the specifications require.

Slump and air tests made immediately after discharge of the mix may be misleading, since the aggregates may absorb a significant amount of water for four or five minutes after mixing.

1020.13 Curing and Protection. The method of curing, curing period, and method of protection for each type of concrete construction is included in the following Index Table.

INDEX TABLE OF CURING AND PROTECTION OF CONCRETE CONSTRUCTION			
TYPE OF CONSTRUCTION	CURING METHODS	CURING PERIOD DAYS	LOW AIR TEMPERATURE PROTECTION METHODS
Cast-in-Place Concrete ^{11/}			
Pavement Shoulder	1020.13(a)(1)(2)(3)(4)(5) ^{3/5/}	3	1020.13(c)
Base Course			
Base Course Widening	1020.13(a)(1)(2)(3)(4)(5) ^{2/}	3	1020.13(c)
Driveway			
Median			
Barrier			
Curb			
Gutter	1020.13(a)(1)(2)(3)(4)(5) ^{4/5/}	3	1020.13(c) ^{16/}
Curb & Gutter			
Sidewalk			
Slope Wall			
Paved Ditch			
Catch Basin			
Manhole	1020.13(a)(1)(2)(3)(4)(5) ^{4/}	3	1020.13(c)
Inlet			
Valve Vault			
Pavement Patching	1020.13(a)(1)(2)(3)(4)(5) ^{2/}	3 ^{12/}	1020.13(c)
Bridge Deck Patching	1020.13(a)(3)(5)	3 or 7 ^{12/}	1020.13(c)
Railroad Crossing	1020.13(a)(3)(5)	1	1020.13(c)
Piles and Drilled Shafts	1020.13(a)(3)(5)	7	1020.13(d)(1)(2)(3)
Foundations & Footings			
Seal Coat	1020.13(a)(1)(2)(3)(4)(5) ^{4/5/}	7	1020.13(d)(1)(2)(3)
Substructure	1020.13(a)(1)(2)(3)(4)(5) ^{11/7/}	7	1020.13(d)(1)(2)(3)
Superstructure (except deck)	1020.13(a)(1)(2)(3)(5) ^{8/}	7	1020.13(d)(1)(2)
Deck			
Bridge Approach Slab	1020.13(a)(5)	7	1020.13(d)(1)(2) ^{17/}
Retaining Walls	1020.13(a)(1)(2)(3)(4)(5) ^{11/7/}	7	1020.13(d)(1)(2)
Pump Houses	1020.13(a)(1)(2)(3)(4)(5) ^{11/}	7	1020.13(d)(1)(2)
Culverts	1020.13(a)(1)(2)(3)(4)(5) ^{4/6/}	7	1020.13(d)(1)(2) ^{18/}
Other Incidental Concrete	1020.13(a)(1)(2)(3)(5)	3	1020.13(c)
Precast Concrete ^{11/}			
Bridge Slabs			
Piles and Pile Caps	1020.13(a)(3)(5) ^{9/10/}	As ^{13/}	9/
Other Structural Members		Required	
All Other Precast Items	1020.13(a)(3)(4)(5) ^{2/9/10/}	As ^{14/}	9/
		Required	
Precast, Prestressed Concrete ^{11/}			
All Items	1020(a)(3)(5) ^{9/10/}	Until Strand Tensioning is Released ^{15/}	9/

Notes-General:

- 1/ Type I, membrane curing only
- 2/ Type II, membrane curing only
- 3/ Type III, membrane curing only

- 4/ Type I, II and III membrane curing
- 5/ Membrane Curing will not be permitted between November 1 and April 15.
- 6/ The use of water to inundate foundations and footings, seal coats or the bottom slab of culverts is permissible when approved by the Engineer, provided the water temperature can be maintained at 45 °F (7 °C) or higher.
- 7/ Asphalt emulsion for waterproofing may be used in lieu of other curing methods when specified and permitted according to Article 503.18.
- 8/ On non-traffic surfaces which receive protective coat according to Article 503.19, a linseed oil emulsion curing compound may be used as a substitute for protective coat and other curing methods. The linseed oil emulsion curing compound will be permitted between April 16 and October 31 of the same year, provided it is applied with a mechanical sprayer according to Article 1101.09(b).
- 9/ Steam, supplemental heat, or insulated blankets (with or without steam/supplemental heat) are acceptable and shall be according to the Bureau of Materials and Physical Research's Policy Memorandum "Quality Control/Quality Assurance Program for Precast Concrete Products" and the "Manual for Fabrication of Precast, Prestressed Concrete Products".
- 10/ A moist room according to AASHTO M 201 is acceptable for curing.
- 11/ If curing is required and interrupted because of form removal for cast-in-place concrete items, precast concrete products, or precast prestressed concrete products, the curing shall be resumed within two hours from the start of the form removal.
- 12/ Curing maintained only until opening strength is attained for pavement patching, with a maximum curing period of three days. For bridge deck patching the curing period shall be three days if Class PP concrete is used and 7 days if Class BS concrete is used.
- 13/ The curing period shall end when the concrete has attained the mix design strength. The producer has the option to discontinue curing when the concrete has attained 80 percent of the mix design strength or after seven days. All strength test specimens shall remain with the units and shall be subjected to the same curing method and environmental condition as the units, until the time of testing.
- 14/ The producer shall determine the curing period or may elect to not cure the product. All strength test specimens shall remain with the units and shall be subjected to the same curing method and environmental condition as the units, until the time of testing.

- 15/ The producer has the option to continue curing after strand release.
- 16/ When structural steel or structural concrete is in place above slope wall, Article 1020.13(c) shall not apply. The protection method shall be according to Article 1020.13(d)(1).
- 17/ When Article 1020.13(d)(2) is used to protect the deck, the housing may enclose only the bottom and sides. The top surface shall be protected according to Article 1020.13(d)(1).
- 18/ For culverts having a waterway opening of 10 sq ft (1 sq m) or less, the culverts may be protected according to Article 1020.13(d)(3).
- (a) Methods of Curing. Except as provided for in the Index Table of Curing and Protection of Concrete Construction, curing shall be accomplished by one of the following described methods. When water is required to wet the surface, it shall be applied as a fine spray so that it will not mar or pond on the surface. Except where otherwise specified, the curing period shall be at least 72 hours.
- (1) Waterproof Paper Method. The surface of the concrete shall be covered with waterproof paper as soon as the concrete has hardened sufficiently to prevent marring the surface. The surface of the concrete shall be wetted immediately before the paper is placed. The blankets shall be lapped at least 12 in. (300 mm) end to end, and these laps shall be securely weighted with a windrow of earth, or other approved method, to form a closed joint. The same requirements shall apply to the longitudinal laps where separate strips are used for curing edges, except the lap shall be at least 9 in. (225 mm). The edges of the blanket shall be weighted securely with a continuous windrow of earth or any other means satisfactory to the Engineer to provide an air-tight cover. Any torn places or holes in the paper shall be repaired immediately by patches cemented over the openings, using a bituminous cement having a melting point of not less than 180 °F (82 °C). The blankets may be reused, provided they are air-tight and kept serviceable by proper repairs.
- A longitudinal pleat shall be provided in the blanket to permit shrinkage where the width of the blanket is sufficient to cover the entire surface. The pleat will not be required where separate strips are used for the edges. Joints in the blanket shall be sewn or cemented together in such a manner that they will not separate during use.
- (2) Polyethylene Sheeting Method. The surface of the concrete shall be covered with white polyethylene sheeting as soon as the concrete has hardened sufficiently to prevent marring the surface. The surface of the concrete shall be wetted immediately before the sheeting is placed. The edges of the sheeting shall be weighted securely with a continuous windrow of earth or any other means satisfactory to the Engineer to provide an air-tight cover. Adjoining sheets shall overlap not less than 12 in. (300 mm) and the laps shall be securely weighted with earth, or any other means satisfactory to the Engineer, to provide an air tight cover.

For surface and base course concrete, the polyethylene sheets shall be not less than 100 ft (30 m) in length nor longer than can be conveniently handled, and shall be of such width that, when in place, they will cover the full width of the surface, including the edges, except that separate strips may be used to cover the edges. Any tears or holes in the sheeting shall be repaired. When sheets are no longer serviceable as a single unit, the Contractor may select from such sheets and reuse those which will serve for further applications, provided two sheets are used as a single unit; however, the double sheet units will be rejected when the Engineer deems that they no longer provide an air tight cover.

- (3) **Wetted Burlap Method.** The surface of the concrete shall be covered with wetted burlap blankets as soon as the concrete has hardened sufficiently to prevent marring the surface. The blankets shall overlap 6 in. (150 mm). At least two layers of wetted burlap shall be placed on the finished surface. The burlap shall be kept saturated by means of a mechanically operated sprinkling system. In place of the sprinkling system, at the Contractor's option, two layers of burlap covered with impermeable covering shall be used. The burlap shall be kept saturated with water. Plastic coated burlap may be substituted for one layer of burlap and impermeable covering.

The blankets shall be placed so that they are in contact with the edges of the concrete, and that portion of the material in contact with the edges shall be kept saturated with water.

- (4) **Membrane Curing Method.** Membrane curing will not be permitted where a protective coat, concrete sealer, or waterproofing is to be applied, or at areas where rubbing or a normal finish is required, or at construction joints other than those necessary in pavement or base course. Concrete at these locations shall be cured by another method specified in Article 1020.13(a).

After the concrete has been finished and the water sheen has disappeared from the surface, the concrete shall be immediately sealed with membrane curing compound of the type specified. The seal shall be maintained for the specified curing period. The edges of the concrete shall, likewise, be sealed immediately after the forms are removed. Two separate applications, applied at least one minute apart, each at the rate of not less than 1 gal/250 sq ft (0.16 L/sq m) will be required upon the surfaces and edges of the concrete. These applications shall be made with the mechanical equipment specified. Type III compound shall be agitated immediately before and during the application.

At locations where the coating is discontinuous or where pin holes show or where the coating is damaged due to any cause and on areas adjacent to sawed joints, immediately after sawing is completed, an additional coating of membrane curing compound shall be applied at the above specified rate. The equipment used may be of the same type as that used for coating variable widths of pavement. Before the additional coating is applied adjacent to sawed joints, the cut faces of the joint shall be protected by inserting a suitable flexible material in the joint, or placing an

adhesive width of impermeable material over the joint, or by placing the permanent sealing compound in the joint. Material, other than the permanent sealing compound, used to protect cut faces of the joint, shall remain in place for the duration of the curing period. In lieu of applying the additional coating, the area of the sawed joint may be cured according to any other method permitted.

When rain occurs before an application of membrane curing compound has dried, and the coating is damaged, the Engineer may require another application be made in the same manner and at the same rate as the original coat. The Engineer may order curing by another method specified, if unsatisfactory results are obtained with membrane curing compound.

- (5) **Wetted Cotton Mat Method.** After the surface of concrete has been textured or finished, it shall be covered immediately with dry or damp cotton mats. The cotton mats shall be placed in a manner which will not mar the concrete surface. A texture resulting from the cotton mat material is acceptable. The cotton mats shall then be wetted immediately and thoroughly soaked with a gentle spray of water. For bridge decks, a foot bridge shall be used to place and wet the cotton mats.

The cotton mats shall be maintained in a wetted condition until the concrete has hardened sufficiently to place soaker hoses without marring the concrete surface. The soaker hoses shall be placed on top of the cotton mats at a maximum 4 ft (1.2 m) spacing. The cotton mats shall be kept wet with a continuous supply of water for the remainder of the curing period. Other continuous wetting systems may be used if approved by the Engineer.

After placement of the soaker hoses, the cotton mats shall be covered with white polyethylene sheeting or burlap-polyethylene blankets.

For construction items other than bridge decks, soaker hoses or a continuous wetting system will not be required if the alternative method keeps the cotton mats wet. Periodic wetting of the cotton mats is acceptable.

For areas inaccessible to the cotton mats on bridge decks, curing shall be according to Article 1020.13(a)(3).

- (b) **Removing and Replacing Curing Covering.** When curing methods specified above in Article 1020.13(a), (1), (2), or (3) are used for concrete pavement, the curing covering for each day's paving shall be removed to permit testing of the pavement surface with a profilograph or straightedge, as directed by the Engineer.

Immediately after testing, the surface of the pavement shall be wetted thoroughly and the curing coverings replaced. The top surface and the edges of the concrete shall not be left unprotected for a period of more than 1/2 hour.

- (c) Protection of Concrete, Other Than Structures, From Low Air Temperatures. When the official National Weather Service forecast for the construction area predicts a low of 32 °F (0 °C), or lower, or if the actual temperature drops to 32 °F (0 °C), or lower, concrete less than 72 hours old shall be provided at least the following protection.

Minimum Temperature	Protection
25 – 32 °F (-4 – 0 °C)	Two layers of polyethylene sheeting, one layer of polyethylene and one layer of burlap, or two layers of waterproof paper.
Below 25 °F (-4 °C)	6 in. (150 mm) of straw covered with one layer of polyethylene sheeting or waterproof paper.

These protective covers shall remain in place until the concrete is at least 96 hours old. When straw is required on pavement cured with membrane curing compound, the compound shall be covered with a layer of burlap, polyethylene sheeting or waterproof paper before the straw is applied.

After September 15, there shall be available to the work within four hours, sufficient clean, dry straw to cover at least two days production. Additional straw shall be provided as needed to afford the protection required. Regardless of the precautions taken, the Contractor shall be responsible for protection of the concrete placed and any concrete damaged by cold temperatures shall be removed and replaced.

- (d) Protection of Concrete Structures From Low Air Temperatures. When the official National Weather Service forecast for the construction area predicts a low below 45 °F (7 °C), or if the actual temperature drops below 45 °F (7 °C), concrete less than 72 hours old shall be provided protection. Concrete shall also be provided protection when placed during the winter period of December 1 through March 15. Concrete shall not be placed until the materials, facilities, and equipment for protection are approved by the Engineer.

When directed by the Engineer, the Contractor may be required to place concrete during the winter period. When winter construction is specified, the Contractor shall proceed with the construction, including excavation, pile driving, concrete, steel erection, and all appurtenant work required for the complete construction of the item, except at times when weather conditions make such operations impracticable.

Regardless of the precautions taken, the Contractor shall be responsible for protection of the concrete placed and any concrete damaged by cold temperatures shall be removed and replaced.

- (1) Protection Method I. The concrete shall be completely covered with insulating material such as fiberglass, rock wool, or other approved commercial insulating material having the minimum thermal resistance R, as defined in ASTM C 168, for

the corresponding minimum dimension of the concrete unit being protected as shown in the following table.

Minimum Pour Dimension		Thermal Resistance R
in.	(mm)	
6 or less	(150 or less)	R=16
> 6 to 12	(> 150 to 300)	R=10
> 12 to 18	(> 300 to 450)	R=6
> 18	(> 450)	R=4

The insulating material manufacturer shall clearly mark the insulating material with the thermal resistance R value.

The insulating material shall be completely enclosed on sides and edges with an approved waterproof liner and shall be maintained in a serviceable condition. Any tears in the liner shall be repaired in a manner approved by the Engineer. The Contractor shall provide means for checking the temperature of the surface of the concrete during the protection period.

On formed surfaces, the insulating material shall be attached to the outside of the forms with wood cleats or other suitable means to prevent any circulation of air under the insulation and shall be in place before the concrete is placed. The blanket insulation shall be applied tightly against the forms. The edges and ends shall be attached so as to exclude air and moisture. If the blankets are provided with nailing flanges, the flanges shall be attached to the studs with cleats. Where tie rods or reinforcement bars protrude, the areas adjacent to the rods or bars shall be adequately protected in a manner satisfactory to the Engineer. Where practicable, the insulation shall overlap any previously placed concrete by at least 1 ft (300 mm). Insulation on the underside of floors on steel members shall cover the top flanges of supporting members. On horizontal surfaces, the insulating material shall be placed as soon as the concrete has set, so that the surface will not be marred and shall be covered with canvas or other waterproof covering. The insulating material shall remain in place for a period of seven days after the concrete is placed.

The Contractor may remove the forms, providing the temperature is 35 °F (2 °C) and rising and the Contractor is able to wrap the particular section within two hours from the time of the start of the form removal. The insulation shall remain in place for the remainder of the seven days curing period.

- (2) Protection Method II. The concrete shall be enclosed in adequate housing and the air surrounding the concrete kept at a temperature of not less than 50 °F (10 °C) nor more than 80 °F (27 °C) for a period of seven days after the concrete is placed. The Contractor shall provide means for checking the temperature of the surface of the concrete or air temperature within the housing during the protection period. All exposed surfaces within the housing shall be cured according to the Index Table.

The Contractor shall provide adequate fire protection where heating is in progress and such protection shall be accessible at all times. The Contractor shall maintain labor to keep the heating equipment in continuous operation.

At the close of the heating period, the temperature shall be decreased to the approximate temperature of the outside air at a rate not to exceed 15 °F (8 °C) per 12 hour period, after which the housing may be removed. The surface of the concrete shall be permitted to dry during the cooling period.

- (3) Protection Method III. As soon as the surface is sufficiently set to prevent marring, the concrete shall be covered with 12 in. (300 mm) of loose, dry straw followed by a layer of impermeable covering. The edges of the covering shall be sealed to prevent circulation of air and prevent the cover from flapping or blowing. The protection shall remain in place until the concrete is seven days old. If construction operations require removal, the protection removed shall be replaced immediately after completion or suspension of such operations.

1020.14 Temperature Control for Placement. Temperature control for concrete placement shall be according to the following.

- (a) Concrete other than Structures. Concrete may be placed when the air temperature is above 35 °F (2 °C) and rising, and concrete placement shall stop when the falling temperature reaches 40 °F (4 °C) or below, unless otherwise approved by the Engineer.

The temperature of concrete immediately before placement shall be a minimum of 50 °F (10 °C) and a maximum of 90 °F (32 °C). If concrete is pumped, the temperature of the concrete as placed in the forms shall be a minimum of 50 °F (10 °C) and a maximum of 90 °F (32 °C). A maximum concrete temperature shall not apply to Class PP concrete.

- (b) Concrete in Structures. Concrete may be placed when the air temperature is above 40 °F (4 °C) and rising, and concrete placement shall stop when the falling temperature reaches 45 °F (7 °C) or below, unless otherwise approved by the Engineer.

The temperature of the concrete immediately before placement shall be a minimum of 50 °F (10 °C) and a maximum of 90 °F (32 °C). If concrete is pumped, the temperature of the concrete as placed in the forms shall be a minimum of 50 °F (10 °C) and a maximum of 90 °F (32 °C).

When insulated forms are used, the maximum temperature of the concrete mixture immediately before placement shall be 80 °F (25 °C).

When concrete is placed in contact with previously placed concrete, the temperature of the mixed concrete may be increased to 80 °F (25 °C) by the Contractor to offset anticipated heat loss.

- (c) All Classes of Concrete. Aggregates and water shall be heated or cooled uniformly and as necessary to produce concrete within the specified temperature limits. No frozen aggregates shall be used in the concrete.
- (d) Temperature. The concrete temperature shall be determined according to Illinois Modified AASHTO T 309.

1020.15 Heat of Hydration Control for Concrete Structures. The Contractor shall control the heat of hydration for concrete structures when the least dimension for a drilled shaft, foundation, footing, substructure, or superstructure concrete pour exceeds 5.0 ft (1.5 m). The work shall be according to the following.

- (a) Temperature Restrictions. The maximum temperature of the concrete after placement shall not exceed 150 °F (66 °C). The maximum temperature differential between the internal concrete core and concrete 2 to 3 in. (50 to 75 mm) from the exposed surface shall not exceed 35 °F (19 °C). The Contractor shall perform temperature monitoring to ensure compliance with the temperature restrictions.
- (b) Thermal Control Plan. The Contractor shall provide a thermal control plan a minimum of 28 calendar days prior to concrete placement for review by the Engineer. Acceptance of the thermal control plan by the Engineer shall not preclude the Contractor from specification compliance, and from preventing cracks in the concrete. At a minimum, the thermal control plan shall provide detailed information on the following requested items and shall comply with the specific specifications indicated for each item.
 - (1) Concrete mix design(s) to be used. Grout mix design if post-cooling with embedded pipe.

The mix design requirements in Articles 1020.04 and 1020.05 shall be revised to include the following additional requirements to control the heat of hydration.

- a. The concrete mixture shall be uniformly graded and preference for larger size aggregate shall be used in the mix design. Article 1004.02(d)(2) and information in the "Portland Cement Concrete Level III Technician Course – Manual of Instructions for Design of Concrete Mixtures" shall be used to develop the uniformly graded mixture.
- b. The following shall apply to all concrete except Class DS concrete or when self-consolidating concrete is desired. For central-mixed concrete, the Contractor shall have the option to develop a mixture with a minimum of 520 lbs/cu yd (309 kg/cu m) of cement and finely divided minerals summed together. For truck-mixed or shrink-mixed concrete, the Contractor shall have the option to develop a mixture with a minimum of 550 lbs/cu yd (326 kg/cu m) of cement and finely divided minerals summed together. A water-reducing or high range water-reducing admixture shall be used in the central mixed, truck-mixed or shrink-mixed concrete mixture. For any mixture to be placed underwater, the minimum

cement and finely divided minerals shall be 550 lbs/cu yd (326 kg/cu m) for central-mixed concrete, and 580 lbs/cu yd (344 kg/cu m) for truck-mixed or shrink-mixed concrete.

For Class DS concrete, CA 11 may be used. If CA 11 is used, the Contractor shall have the option to develop a mixture with a minimum cement and finely divided minerals of 605 lbs/cu yd (360 kg/cu m) summed together. If CA 11 is used and either Class DS concrete is placed underwater or a self-consolidating concrete mixture is desired, the Contractor shall have the option to develop a mixture with a minimum cement and finely divided minerals of 635 lbs/cu yd (378 kg/cu m) summed together.

- c. The minimum portland cement content in the mixture shall be 375 lbs/cu yd (222 kg/cu m). When the total of organic processing additions, inorganic processing additions, and limestone addition exceed 5.0 percent in the cement, the minimum portland cement content in the mixture shall be 400 lbs/cu yd (237 kg/cu m). For a drilled shaft, foundation, footing, or substructure, the minimum portland cement may be reduced to as low as 330 lbs/cu yd (196 kg/cu m) if the concrete has adequate freeze/thaw durability. The Contractor shall provide freeze/thaw test results according to AASHTO T 161 Procedure A or B, and the relative dynamic modulus of elasticity of the mix design shall be a minimum of 80 percent. Freeze/thaw testing will not be required for concrete that will not be exposed to freezing and thawing conditions as determined by the Engineer.
- d. The maximum cement replacement with fly ash shall be 40.0 percent. The maximum cement replacement with ground granulated blast-furnace slag shall be 65.0 percent. When cement replacement with ground granulated blast-furnace slag exceeds 35.0 percent, only Grade 100 shall be used.
- e. The mixture may contain a maximum of two finely divided minerals. The finely divided mineral in portland-pozzolan cement or portland blast-furnace slag cement shall count toward the total number of finely divided minerals allowed. The finely divided minerals shall constitute a maximum of 65.0 percent of the total cement plus finely divided minerals. The fly ash portion shall not exceed 40.0 percent. The ground granulated blast-furnace slag portion shall not exceed 65.0 percent. The microsilica or high-reactivity metakaolin portion used together or separately shall not exceed 5.0 percent.
- f. The time to obtain the specified strength may be increased to a maximum 56 days, provided the curing period specified in Article 1020.13 is increased to a minimum of 14 days.

The minimum grout strength for filling embedded pipe shall be as specified for the concrete, and testing shall be according to AASHTO T 106.

- (2) The selected mathematical method for evaluating heat of hydration thermal effects, which shall include the calculated adiabatic temperature rise, calculated maximum concrete temperature, and calculated maximum temperature differential between the internal concrete core and concrete 2 to 3 in. (50 to 75 mm) from the exposed surface. The time when the maximum concrete temperature and maximum temperature differential will occur is required if the time frame will be more than seven days.

Acceptable mathematical methods include ACI 207.2R "Report on Thermal and Volume Change Effects on Cracking of Mass Concrete" as well as other proprietary methods. The Contractor shall perform heat of hydration testing on the cement and finely divided minerals to be used in the concrete mixture. The test shall be according to ASTM C 186 or other applicable test methods, and the result for heat shall be used in the equation to calculate adiabatic temperature rise.

The Contractor has the option to propose a higher maximum temperature differential between the internal concrete core and concrete 2 to 3 in. (50 to 75 mm) from the exposed surface, but the proposed value shall not exceed 50 °F (10 °C). In addition, based on strength gain of the concrete, multiple maximum temperature differentials at different times may be proposed. The proposed value shall be justified through a mathematical method.

- (3) Proposed maximum concrete temperature or temperature range prior to placement.

Article 1020.14 shall apply except a minimum 40 °F (10 °C) concrete temperature will be permitted.

- (4) Pre-cooling, post-cooling, and surface insulation methods that will be used to ensure the concrete will comply with the specified maximum temperature and specified or proposed temperature differential. For reinforcement that extends beyond the limits of the pour, the Contractor shall indicate if the reinforcement is required to be covered with insulation.

Refer to ACI 207.4R "Cooling and Insulating Systems for Mass Concrete" for acceptable methods that will be permitted. A copy of the ACI document shall be provided to the Engineer at the construction site. If embedded pipe is used for post-cooling, the material shall be polyvinyl chloride or polyethylene. The embedded pipe system shall be properly supported, and the Contractor shall subsequently inspect glued joints to ensure they are able to withstand free falling concrete. The embedded pipe system shall be leak tested after inspection of the glued joints, and prior to the concrete placement. The leak test shall be performed at maximum service pressure or higher for a minimum of 15 minutes. All leaks shall be repaired. The embedded pipe cooling water may be from natural sources such as streams and rivers, but shall be filtered to prevent system stoppages. When the embedded pipe is no longer needed, the surface connections to the pipe shall be removed to a depth of 4 in. (100 mm) below the surface of the concrete. The remaining pipe shall be

completely filled with grout. The 4 in. (100 mm) deep concrete hole shall be filled with nonshrink grout. Form and insulation removal shall be done in a manner to prevent cracking and ensure the maximum temperature differential is maintained. Insulation shall be in good condition as determined by the Engineer and properly attached.

- (5) Dimensions of each concrete pour, location of construction joints, placement operations, pour pattern, lift heights, and time delays between lifts.

Refer to ACI 207.1R "Guide to Mass Concrete" for acceptable placement operations that will be permitted. A copy of the ACI document shall be provided to the Engineer at the construction site.

- (6) Type of temperature monitoring system, the number of temperature sensors, and location of sensors.

A minimum of two independent temperature monitoring systems and corresponding sensors shall be used.

The temperature monitoring system shall have a minimum temperature range of 32 °F (0 °C) to 212 °F (100 °C), an accuracy of ± 2 °F (± 1 °C), and be able to automatically record temperatures without external power. Temperature monitoring shall begin once the sensor is encased in concrete, and with a maximum interval of one hour. Temperature monitoring may be discontinued after the maximum concrete temperature has been reached, post-cooling is no longer required, and the maximum temperature differential between the internal concrete core and the ambient air temperature does not exceed 35 °F (19 °C). The Contractor has the option to select a higher maximum temperature differential, but the proposed value shall not exceed 50 °F (28 °C). The proposed value shall be justified through a mathematical method.

At a minimum, a temperature sensor shall be located at the theoretical hottest portion of the concrete, normally the geometric center, and at the exterior face that will provide the maximum temperature differential. At the exterior face, the sensor shall be located 2 to 3 in. (50 to 75 mm) from the surface of the concrete. Sensors shall also be located a minimum of 1 in. (25 mm) away from reinforcement, and equidistant between cooling pipes if either applies. A sensor will also be required to measure ambient air temperature. The entrant/exit cooling water temperature for embedded pipe shall also be monitored.

Temperature monitoring results shall be provided to the Engineer a minimum of once each day and whenever requested by the Engineer. The report may be electronic or hard copy. The report shall indicate the location of each sensor, the temperature recorded, and the time recorded. The report shall be for all sensors and shall include ambient air temperature and entrant/exit cooling water temperatures. The temperature data in the report may be provided in tabular or graphical format, and the report shall indicate any corrective actions during the monitoring period. At the

completion of the monitoring period, the Contractor shall provide the Engineer a final report that includes all temperature data and corrective actions.

- (7) Indicate contingency operations to be used if the maximum temperature or temperature differential of the concrete is reached after placement.
- (c) Temperature Restriction Violations. If the maximum temperature of the concrete after placement exceeds 150 °F (66 °C), but is less than 158 °F (70 °C), the concrete will be accepted if no cracking or other unacceptable defects are identified. If cracking or unacceptable defects are identified, Article 105.03 shall apply. If the concrete temperature exceeds 158 °F (70 °C), Article 105.03 shall apply.

If a temperature differential between the internal concrete core and concrete 2 to 3 in. (50 to 75 mm) from the exposed surface exceeds the specified or proposed maximum value allowed, the concrete will be accepted if no cracking or other unacceptable defects are identified. If unacceptable defects are identified, Article 105.03 shall apply.

When the maximum 150 °F (66 °C) concrete temperature or the maximum allowed temperature differential is violated, the Contractor shall implement corrective action prior to the next pour. In addition, the Engineer reserves the right to request a new thermal control plan for acceptance before the Contractor is allowed to pour again.

- (d) Inspection and Repair of Cracks. The Engineer will inspect the concrete for cracks after the temperature monitoring is discontinued, and the Contractor shall provide access for the Engineer to do the inspection. A crack may require repair by the Contractor as determined by the Engineer. The Contractor shall be responsible for the repair of all cracks. Protective coat or a concrete sealer shall be applied to a crack less than 0.007 in. (0.18 mm) in width. A crack that is 0.007 in. (0.18 mm) or greater shall be pressure injected with epoxy according to Section 590.

PORTLAND CEMENT CONCRETE SIDEWALK (BDE)

Effective: January 1, 2012

Revise Article 424.07 of the Standard Specifications to read:

"424.07 Expansion Joints. Expansion joints shall be 1/2 in. (13 mm) thick and consist of preformed joint filler. The top of the joint filler shall be 1/4 in. (6 mm) below the surface of the sidewalk.

Expansion joints shall be placed in locations as follows.

- (a) Expansion joints shall be placed between the sidewalk and all structures such as light poles, traffic signal poles, traffic poles and subway columns, which extend through the sidewalk.
- (b) Transverse expansion joints shall be placed at maximum intervals of 50 ft (15 m) in the sidewalk. Where the sidewalk is constructed adjacent to pavement or curb having expansion joints, the expansion joints in the sidewalk shall be placed in line with the adjacent expansion joints as nearly as practicable.
- (c) Expansion joints shall also be placed where the sidewalk abuts existing sidewalks, between driveway pavement and sidewalk, and between sidewalk accessibility ramps and curbs where the ramp abuts a curb."

80280

QUALITY CONTROL/QUALITY ASSURANCE OF CONCRETE MIXTURES (BDE)

Effective: January 1, 2012

Add the following to Section 1020 of the Standard Specifications:

"1020.16 Quality Control/Quality Assurance of Concrete Mixtures. This Article specifies the quality control responsibilities of the Contractor for concrete mixtures (except Class PC and PS concrete), cement aggregate mixture II, and controlled low-strength material incorporated in the project, and defines the quality assurance and acceptance responsibilities of the Engineer.

A list of quality control/quality assurance (QC/QA) documents is provided in Article 1020.16(g), Schedule D.

A Level I Portland Cement Concrete (PCC) Technician shall be defined as an individual who has successfully completed the Department's training for concrete testing.

A Level II Portland Cement Concrete (PCC) Technician shall be defined as an individual who has successfully completed the Department's training for concrete proportioning.

A Level III Portland Cement Concrete (PCC) Technician shall be defined as an individual who has successfully completed the Department's training for concrete mix design.

A Concrete Tester shall be defined as an individual who has successfully completed the Department's training to assist with concrete testing and is monitored on a daily basis.

Aggregate Technician shall be defined as an individual who has successfully completed the Department's training for gradation testing involving aggregate production and mixtures.

Mixture Aggregate Technician shall be defined as an individual who has successfully completed the Department's training for gradation testing involving mixtures.

Gradation Technician shall be defined as an individual who has successfully completed the Department's training to assist with gradation testing and is monitored on a daily basis.

- (a) Equipment/Laboratory. The Contractor shall provide a laboratory and test equipment to perform their quality control testing.

The laboratory shall be of sufficient size and be furnished with the necessary equipment, supplies, and current published test methods for adequately and safely performing all required tests. The laboratory will be approved by the Engineer according to the current Bureau of Materials and Physical Research Policy Memorandum "Minimum Private Laboratory Requirements for Construction Materials Testing or Mix Design". Production of a mixture shall not begin until the Engineer provides written approval of the laboratory.

The Contractor shall refer to the Department's "Required Sampling and Testing Equipment for Concrete" for equipment requirements.

Test equipment shall be maintained and calibrated as required by the appropriate test method, and when required by the Engineer. This information shall be documented on the Department's "Calibration of Concrete Testing Equipment" form.

Test equipment used to determine compressive or flexural strength shall be calibrated each 12 month period by an independent agency, using calibration equipment traceable to the National Institute of Standards and Technology (NIST). The Contractor shall have the calibration documentation available at the test equipment location.

The Engineer will have unrestricted access to the plant and laboratory at any time to inspect measuring and testing equipment, and will notify the Contractor of any deficiencies. Defective equipment shall be immediately repaired or replaced by the Contractor.

- (b) Quality Control Plan. The Contractor shall submit, in writing, a proposed Quality Control (QC) Plan to the Engineer. The QC Plan shall be submitted a minimum of 45 calendar days prior to the production of a mixture. The QC Plan shall address the quality control of the concrete, cement aggregate mixture II, and controlled low-strength material incorporated in the project. The Contractor shall refer to the Department's "Model Quality Control Plan for Concrete Production" to prepare a QC Plan. The Engineer will respond in writing to the Contractor's proposed QC Plan within 15 calendar days of receipt.

Production of a mixture shall not begin until the Engineer provides written approval of the QC Plan. The approved QC Plan shall become a part of the contract between the Department and the Contractor, but shall not be construed as acceptance of any mixture produced.

The QC Plan may be amended during the progress of the work, by either party, subject to mutual agreement. The Engineer will respond in writing to a Contractor's proposed QC Plan amendment within 15 calendar days of receipt. The response will indicate the approval or denial of the Contractor's proposed QC Plan amendment.

- (c) Quality Control by Contractor. The Contractor shall perform quality control inspection, sampling, testing, and documentation to meet contract requirements. Quality control includes the recognition of obvious defects and their immediate correction. Quality control also includes appropriate action when passing test results are near specification limits, or to resolve test result differences with the Engineer. Quality control may require increased testing, communication of test results to the plant or the jobsite, modification of operations, suspension of mixture production, rejection of material, or other actions as appropriate. The Engineer shall be immediately notified of any failing tests and subsequent remedial action. Passing tests shall be reported no later than the start of the next work day.

When a mixture does not comply with specifications, the Contractor shall reject the material; unless the Engineer accepts the material for incorporation in the work, according to Article 105.03.

- (1) Personnel Requirements. The Contractor shall provide a Quality Control (QC) Manager who will have overall responsibility and authority for quality control. The jobsite and plant personnel shall be able to contact the QC Manager by cellular phone, two-way radio or other methods approved by the Engineer.

The QC Manager shall visit the jobsite a minimum of once a week. A visit shall be performed the day of a bridge deck pour, the day a non-routine mixture is placed as determined by the Engineer, or the day a plant is anticipated to produce more than 1000 cu yd (765 cu m). Any of the three required visits may be used to meet the once per week minimum requirement.

The Contractor shall provide personnel to perform the required inspections, sampling, testing and documentation in a timely manner. The Contractor shall refer to the Department's "Qualifications and Duties of Concrete Quality Control Personnel" document.

A Level I PCC Technician shall be provided at the jobsite during mixture production and placement, and may supervise concurrent pours on the project. For concurrent pours, a minimum of one Concrete Tester shall be required at each pour location. If the Level I PCC Technician is at one of the pour locations, a Concrete Tester is still required at the same location. Each Concrete Tester shall be able to contact the Level I PCC Technician by cellular phone, two-way radio or other methods approved by the Engineer. A single Level I PCC Technician shall not supervise concurrent pours for multiple contracts.

A Level II PCC Technician shall be provided at the plant, or shall be available, during mixture production and placement. A Level II PCC Technician may supervise a maximum of three plants. Whenever the Level II PCC Technician is not at the plant during mixture production and placement, a Concrete Tester or Level I PCC Technician shall be present at the plant to perform any necessary concrete tests. The Concrete Tester, Level I PCC Technician, or other individual shall also be trained to perform any necessary aggregate moisture tests, if the Level II PCC Technician is not at the plant during mixture production and placement. The Concrete Tester, Level I PCC Technician, plant personnel, and jobsite personnel shall have the ability to contact the Level II PCC Technician by cellular phone, two-way radio, or other methods approved by the Engineer.

For a mixture which is produced and placed with a mobile portland cement concrete plant as defined in Article 1103.04, a Level II PCC Technician shall be provided. The Level II PCC Technician shall be present at all times during mixture production and placement.

A Concrete Tester, Mixture Aggregate Technician, and Aggregate Technician may provide assistance with sampling and testing. A Gradation Technician may provide assistance with testing. A Concrete Tester shall be supervised by a Level I or Level II PCC Technician. A Gradation Technician shall be supervised by a Level II PCC Technician, Mixture Aggregate Technician, or Aggregate Technician.

- (2) Required Plant Tests. Sampling and testing shall be performed at the plant, or at a location approved by the Engineer, to control the production of a mixture. The required minimum Contractor plant sampling and testing is indicated in Article 1020.16(g) Schedule A.
- (3) Required Field Tests. Sampling and testing shall be performed at the jobsite to control the production of a mixture, and to comply with specifications for placement. For standard curing, after initial curing, and for strength testing; the location shall be approved by the Engineer. The required minimum Contractor jobsite sampling and testing is indicated in Article 1020.16(g), Schedule B.
- (d) Quality Assurance by Engineer. The Engineer will perform quality assurance tests on independent samples and split samples. An independent sample is a field sample obtained and tested by only one party. A split sample is one of two equal portions of a field sample, where two parties each receive one portion for testing. The Engineer may request the Contractor to obtain a split sample. Aggregate split samples and any failing strength specimen shall be retained until permission is given by the Engineer for disposal. The results of all quality assurance tests by the Engineer will be made available to the Contractor. However, Contractor split sample test results shall be provided to the Engineer before Department test results are revealed. The Engineer's quality assurance independent sample and split sample testing is indicated in Article 1020.16(g), Schedule C.
- (1) Strength Testing. For strength testing, Article 1020.09 shall apply, except the Contractor and Engineer beam strength specimens may be cured in the same tank.
- (2) Comparing Test Results. Differences between the Engineer's and the Contractor's split sample test results will not be considered extreme if within the following limits:

Test Parameter	Acceptable Limits of Precision
Slump	0.75 in. (20 mm)
Air Content	0.9%
Compressive Strength	900 psi (6200 kPa)
Flexural Strength	90 psi (620 kPa)
Aggregate Gradation	See "Guideline for Sample Comparison" in Appendix "A" of the Manual of Test Procedures for Materials.

When acceptable limits of precision have been met, but only one party is within specification limits, the failing test shall be resolved before the material may be considered for acceptance.

(3) Test Results and Specification Limits.

a. Split Sample Testing. If either the Engineer's or the Contractor's split sample test result is not within specification limits, and the other party is within specification limits; immediate retests on a split sample shall be performed for slump, air content, or aggregate gradation. A passing retest result by each party will require no further action. If either the Engineer's or Contractor's slump, air content, or aggregate gradation split sample retest result is a failure; or if either the Engineer's or Contractor's strength test result is a failure, and the other party is within specification limits; the following actions shall be initiated to investigate the test failure:

1. The Engineer and the Contractor shall investigate the sampling method, test procedure, equipment condition, equipment calibration, and other factors.
2. The Engineer or the Contractor shall replace test equipment, as determined by the Engineer.
3. The Engineer and the Contractor shall perform additional testing on split samples, as determined by the Engineer.

For aggregate gradation, jobsite slump, and jobsite air content; if the failing split sample test result is not resolved according to 1., 2., or 3., and the mixture has not been placed, the Contractor shall reject the material; unless the Engineer accepts the material for incorporation in the work according to Article 105.03. If the mixture has already been placed, or if a failing strength test result is not resolved according to 1., 2., or 3., the material will be considered unacceptable.

If a continued trend of difference exists between the Engineer's and the Contractor's split sample test results, or if split sample test results exceed the acceptable limits of precision, the Engineer and the Contractor shall investigate according to items 1., 2., and 3.

b. Independent Sample Testing. For aggregate gradation, jobsite slump, and jobsite air content; if the result of a quality assurance test on a sample independently obtained by the Engineer is not within specification limits, and the mixture has not been placed, the Contractor shall reject the material, unless the Engineer accepts the material for incorporation in the work according to Article 105.03. If the mixture has already been placed or the Engineer obtains a failing strength test result, the material will be considered unacceptable.

(e) Acceptance by the Engineer. Final acceptance will be based on the Standard Specifications and the following:

- (1) The Contractor's compliance with all contract documents for quality control.
- (2) Validation of Contractor quality control test results by comparison with the Engineer's quality assurance test results using split samples. Any quality control or quality assurance test determined to be flawed may be declared invalid only when reviewed and approved by the Engineer. The Engineer will declare a test result invalid only if it is proven that improper sampling or testing occurred. The test result is to be recorded and the reason for declaring the test invalid will be provided by the Engineer.
- (3) Comparison of the Engineer's quality assurance test results with specification limits using samples independently obtained by the Engineer.

The Engineer may suspend mixture production, reject materials, or take other appropriate action if the Contractor does not control the quality of concrete, cement aggregate mixture II, or controlled low-strength material for acceptance. The decision will be determined according to (1), (2), or (3).

(f) Documentation.

- (1) Records. The Contractor shall be responsible for documenting all observations, inspections, adjustments to the mix design, test results, retest results, and corrective actions in a bound hardback field book, bound hardback diary, or appropriate Department form, which shall become the property of the Department. The documentation shall include a method to compare the Engineer's test results with the Contractor's results. The Contractor shall be responsible for the maintenance of all permanent records whether obtained by the Contractor, the consultants, the subcontractors, or the producer of the mixture. The Contractor shall provide the Engineer full access to all documentation throughout the progress of the work.

The Department's form MI 504M, form BMPR MI654, and form BMPR MI655 shall be completed by the Contractor, and shall be submitted to the Engineer weekly or as required by the Engineer. A correctly completed form MI 504M, form BMPR MI654, and form BMPR MI655 are required to authorize payment by the Engineer, for applicable pay items.

- (2) Delivery Truck Ticket. The following information shall be recorded on each delivery ticket or in a bound hardback field book: initial/final revolution counter reading, at the jobsite, if the mixture is truck-mixed; time discharged at the jobsite; total amount of each admixture added at the jobsite; total amount of water added at the jobsite; and total amount of cement added at the jobsite if the air content needed adjustment.

(g) Basis of Payment and Schedules. Quality Control/Quality Assurance of portland cement concrete mixtures will not be paid for separately, but shall be considered as included in the cost of the various concrete contract items.

SCHEDULE A

CONTRACTOR PLANT SAMPLING AND TESTING			
Item	Test	Frequency	IL Modified AASHTO or Department Test Method ^{1/}
Aggregates (Arriving at Plant)	Gradation ^{2/}	As needed to check source for each gradation number	T 2, T 11, T 27, and T 248
Aggregates (Stored at Plant in Stockpiles or Bins)	Gradation ^{2/}	2,500 cu yd (1,900 cu m) for each gradation number ^{3/}	T 2, T 11, T 27, and T 248
Aggregates (Stored at Plant in Stockpiles or Bins)	Moisture ^{4/} : Fine Aggregate	Once per week for moisture sensor, otherwise daily for each gradation number	Flask, Dunagan, Pycnometer Jar, or T 255
	Moisture ^{4/} : Coarse Aggregate	As needed to control production for each gradation number	Dunagan, Pycnometer Jar, or T 255
Mixture ^{5/}	Slump, Air Content, Unit Weight / Yield, and Temperature	As needed to control production	T 141 and T 119 T 141 and T 152 or T 196 T 141 and T 121 T 141 and T 309

- 1/ Refer to the Department's "Manual of Test Procedures for Materials".
- 2/ All gradation tests shall be washed. Testing shall be completed no later than 24 hours after the aggregate has been sampled.
- 3/ One per week (Sunday through Saturday) minimum unless the stockpile has not received additional aggregate material since the previous test.

One per day minimum for a bridge deck pour unless the stockpile has not received additional aggregate material since the previous test. The sample shall be taken and testing completed prior to the pour. The bridge deck aggregate sample may be taken the day before the pour or as approved by the Engineer.

- 4/ If the moisture test and moisture sensor disagree by more than 0.5 percent, retest. If the difference remains, adjust the moisture sensor to an average of two or more moisture tests, using the Dunagan or Illinois Modified AASHTO T 255 test method. The Department's "Water/Cement Ratio Worksheet" form shall be completed when applicable.
- 5/ The Contractor may also perform strength testing according to Illinois Modified AASHTO T 141, T 23; and T 22 or T 177; or water content testing according to Illinois Modified AASHTO T 318; or other tests at the plant to control mixture production.

SCHEDULE B

CONTRACTOR JOBSITE SAMPLING & TESTING ^{1/}			
Item	Measured Property	Random Sample Testing Frequency per Mix Design and per Plant ^{2/}	IL Modified AASHTO Test Method
Pavement, Shoulder, Base Course, Base Course Widening, Driveway Pavement, Railroad Crossing, Cement Aggregate Mixture II	Slump ^{3/ 4/}	1 per 500 cu yd (400 cu m) or minimum 1/day	T 141 and T 119
	Air Content ^{3/ 5/ 6/}	1 per 100 cu yd (80 cu m) or minimum 1/day	T 141 And T 152 or T 196
	Compressive Strength ^{7/ 8/} or Flexural Strength ^{7/ 8/}	1 per 1250 cu yd (1000 cu m) or minimum 1/day	T 141, T 22 and T 23 Or T 141, T 177 and T 23
Bridge Approach Slab ^{9/} , Bridge Deck ^{9/} , Bridge Deck Overlay ^{9/} , Superstructure ^{9/} , Substructure, Culvert, Miscellaneous Drainage Structures, Retaining Wall, Building Wall, Drilled Shaft Pile & Encasement Footing, Foundation, Pavement Patching, Structural Repairs	Slump ^{3/ 4/}	1 per 50 cu yd (40 cu m) or minimum 1/day	T 141 and T 119
	Air Content ^{3/ 5/ 6/}	1 per 50 cu yd (40 cu m) or minimum 1/day	T 141 And T 152 or T 196
	Compressive Strength ^{7/ 8/} or Flexural Strength ^{7/ 8/}	1 per 250 cu yd (200 cu m) or minimum 1/day	T 141, T 22 and T 23 Or T 141, T 177 and T 23
Seal Coat	Slump ^{3/}	1 per 250 cu yd (200 cu m) or minimum 1/day	T 141 and T 119
	Air Content ^{3/ 6/}	As needed to control production	T 141 And T 152 or T 196
	Compressive Strength ^{7/ 8/} or Flexural Strength ^{7/ 8/}	1 per 250 cu yd (200 cu m) or minimum 1/day	T 141, T 22 and T 23 Or T 141, T 177 and T 23

CONTRACTOR JOBSITE SAMPLING & TESTING ^{1/}			
Curb, Gutter, Median, Barrier, Sidewalk, Slope Wall, Paved Ditch, Fabric Formed Concrete Revetment Mat ^{10/} , Miscellaneous Items, Incidental Items	Slump ^{3/ 4/}	1 per 100 cu yd (80 cu m) or minimum 1/day	T 141 and T 119
	Air Content ^{3/ 5/ 6/}	1 per 50 cu yd (40 cu m) or minimum 1/day	T 141 And T 152 or T 196
	Compressive Strength ^{7/ 8/} or Flexural Strength ^{7/ 8/}	1 per 400 cu yd (300 cu m) or minimum 1/day	T 141, T 22 and T 23 Or T 141, T 177 and T 23
All	Temperature ^{3/}	As needed to control production	T 141 and T 309
Controlled Low-Strength Material (CLSM)	Flow, Air Content and Compressive Strength	As needed to control production	Illinois Test Procedure 307

- 1/ Sampling and testing of small quantities of curb, gutter, median, barrier, sidewalk, slope wall, paved ditch, miscellaneous items, and incidental items may be waived by the Engineer if requested by the Contractor. However, quality control personnel are still required according to Article 1020.16(c)(1). The Contractor shall also provide recent evidence that similar material has been found to be satisfactory under normal sampling and testing procedures. The total quantity that may be waived for testing shall not exceed 100 cu yd (76 cu m) per contract.
- 2/ If one mix design is being used for several construction items during a day's production, one testing frequency may be selected to include all items. The construction items shall have the same slump, air content, and water/cement ratio specifications. The frequency selected shall equal or exceed the testing required for the construction item.

One sufficiently sized sample shall be taken to perform the required test(s). Random numbers shall be determined according to the Department's "Method for Obtaining Random Samples for Concrete". The Engineer will provide random sample locations.
- 3/ The temperature, slump, and air content tests shall be performed on the first truck load delivered, for each pour. Unless a random sample is required for the first truck load, testing the first truck load does not satisfy random sampling requirements.
- 4/ The slump random sample testing frequency shall be a minimum 1/day for a construction item which is slipformed.
- 5/ If a pump or conveyor is used for placement, a correction factor shall be established to allow for a loss of air content during transport. The first three truck loads delivered shall be tested, before and after transport by the pump or conveyor, to establish the correction factor. Once the correction is determined, it shall be re-checked after an additional

50 cu yd (40 cu m) is pumped, or an additional 100 cu yd (80 cu m) is conveyed. This shall continue throughout the pour. If the re-check indicates the correction factor has changed, a minimum of two truckloads is required to re-establish the correction factor. The correction factor shall also be re-established when significant changes in temperature, distance, pump or conveyor arrangement, and other factors have occurred. If the correction factor is 3.0 percent or more, the Contractor shall take corrective action to reduce the loss of air content during transport by the pump or conveyor. The Contractor shall record all air content test results, correction factors and corrected air contents. The corrected air content shall be reported on form BMPR MI654.

- 6/ If the Contractor's or Engineer's air content test result is within the specification limits, and 0.2 percent or closer to either limit, the next truck load delivered shall be tested by the Contractor. For example, if the specified air content range is 5.0 to 8.0 percent and the test result is 5.0, 5.1, 5.2, 7.8, 7.9 or 8.0 percent, the next truck shall be tested by the Contractor.

If the Contractor's or Engineer's air content or slump test result is not within the specification limits, all subsequent truck loads delivered shall be tested by the Contractor until the problem is corrected.

- 7/ The test of record for strength shall be the day indicated in Article 1020.04. For cement aggregate mixture II, a strength requirement is not specified and testing is not required. Additional strength testing to determine early falsework and form removal, early pavement or bridge opening to traffic, or to monitor strengths is at the discretion of the Contractor. Strength shall be defined as the average of at least two cylinder or two beam breaks for field tests.
- 8/ In addition to the strength test, an air test, slump test, and temperature test shall be performed on the same sample. For mixtures pumped or conveyed, the Contractor shall sample according to Illinois Modified AASHTO T 141.
- 9/ The air content test will be required for each delivered truck load.
- 10/ For fabric formed concrete revetment mat, the slump test is not required and the flexural strength test is not applicable.

SCHEDULE C

ENGINEER QUALITY ASSURANCE INDEPENDENT SAMPLE TESTING		
Location	Measured Property	Testing Frequency ^{1/}
Plant	Gradation of aggregates stored in stockpiles or bins, Slump and Air Content	As determined by the Engineer.
Jobsite	Slump, Air Content and Strength	As determined by the Engineer.

ENGINEER QUALITY ASSURANCE SPLIT SAMPLE TESTING		
Location	Measured Property	Testing Frequency ^{1/}
Plant	Gradation of aggregates stored in stockpiles or bins ^{2/}	At the beginning of the project, the first test performed by the Contractor. Thereafter, a minimum of 10% of total tests required of the Contractor will be performed per aggregate gradation number and per plant.
	Slump and Air Content	As determined by the Engineer.
Jobsite	Slump ^{2/} and Air Content ^{2/3/}	At the beginning of the project, the first three tests performed by the Contractor. Thereafter, a minimum of 20% of total tests required of the Contractor will be performed per plant, which will include a minimum of one test per mix design.
	Strength ^{2/}	At the beginning of the project, the first test performed by the Contractor. Thereafter, a minimum of 20% of total tests required of the Contractor will be performed per plant, which will include a minimum of one test per mix design.

- 1/ The Engineer will perform the testing throughout the period of quality control testing by the Contractor.
- 2/ The Engineer will witness and take immediate possession of or otherwise secure the Department's split sample obtained by the Contractor.
- 3/ Before transport by pump or conveyor, a minimum of 20 percent of total tests required of the Contractor will be performed per mix design and per plant. After transport by pump or conveyor, a minimum of 20 percent of total tests required of the Contractor will be performed per mix design and per plant.

SCHEDULE D

CONCRETE QUALITY CONTROL AND QUALITY ASSURANCE DOCUMENTS

- (a) Model Quality Control Plan for Concrete Production (*)
- (b) Qualifications and Duties of Concrete Quality Control Personnel (*)
- (c) Development of Gradation Bands on Incoming Aggregate at Mix Plants (*)
- (d) Required Sampling and Testing Equipment for Concrete (*)
- (e) Method for Obtaining Random Samples for Concrete (*)
- (f) Calibration of Concrete Testing Equipment (BMPR PCCQ01 through BMPR PCCQ09) (*)
- (g) Water/Cement Ratio Worksheet (BMPR PCCW01) (*)
- (h) Field/Lab Gradations (MI 504M) (*)
- (i) Concrete Air, Slump and Quantity (BMPR MI654) (*)
- (j) P.C. Concrete Strengths (BMPR MI655) (*)
- (k) Aggregate Technician Course or Mixture Aggregate Technician Course (*)
- (l) Portland Cement Concrete Tester Course (*)
- (m) Portland Cement Concrete Level I Technician Course - Manual of Instructions for Concrete Testing (*)
- (n) Portland Cement Concrete Level II Technician Course - Manual of Instructions for Concrete Proportioning (*)
- (o) Portland Cement Concrete Level III Technician Course - Manual of Instructions for Design of Concrete Mixtures (*)
- (p) Manual of Test Procedures for Materials

* Refer to Appendix C of the Manual of Test Procedures for Materials for more information."

RECLAIMED ASPHALT PAVEMENT (RAP) (BDE)

Effective: January 1, 2007

Revised: January 1, 2012

Revise Section 1031 of the Standard Specifications to read:

"SECTION 1031. RECLAIMED ASPHALT PAVEMENT

1031.01 Description. Reclaimed asphalt pavement (RAP) is from the material produced by cold milling or crushing of an existing hot-mix asphalt (HMA) pavement. The Contractor shall supply written documentation that the RAP originated from routes or airfields under federal, state, or local agency jurisdiction.

1031.02 Stockpiles. The Contractor shall construct individual, sealed RAP stockpiles meeting one of the following definitions. No additional RAP shall be added to the pile after the pile has been sealed. Stockpiles shall be sufficiently separated to prevent intermingling at the base. Stockpiles shall be identified by signs indicating the type as listed below (i.e. "Homogeneous Surface").

Prior to milling, the Contractor shall request the District to provide verification of the quality of the RAP to clarify appropriate stockpile.

- (a) Fractionated RAP (FRAP). FRAP shall consist of RAP from Class I, HMA (High and Low ESAL) mixtures. The coarse aggregate in FRAP shall be crushed aggregate and may represent more than one aggregate type and/or quality but shall be at least C quality. All FRAP shall be fractionated prior to testing by screening into a minimum of two size fractions with the separation occurring on or between the #4 (4.75 mm) and 1/2 in. (12.5 mm) sieves. Agglomerations shall be minimized such that 100 percent of the RAP shall pass the sieve size specified below for the mix the FRAP will be used in.

Mixture FRAP will be used in:	Sieve Size that 100% of FRAP Shall Pass
IL-25.0	2 in. (50 mm)
IL-19.0	1 1/2 in. (40 mm)
IL-12.5	1 in. (25 mm)
IL-9.5	3/4 in. (20 mm)
IL-4.75	1/2 in. (13 mm)

- (b) Homogeneous. Homogeneous RAP stockpiles shall consist of RAP from Class I, HMA (High and Low ESAL) mixtures and represent: 1) the same aggregate quality, but shall be at least C quality; 2) the same type of crushed aggregate (either crushed natural aggregate, ACBF slag, or steel slag); 3) similar gradation; and 4) similar asphalt binder content. If approved by the Engineer, combined single pass surface/binder millings may be considered "homogenous" with a quality rating dictated by the lowest coarse aggregate quality present in the mixture.

- (c) Conglomerate. Conglomerate RAP stockpiles shall consist of RAP from Class I, HMA (High and Low ESAL) mixtures. The coarse aggregate in this RAP shall be crushed aggregate and may represent more than one aggregate type and/or quality but shall be at least C quality. This RAP may have an inconsistent gradation and/or asphalt binder content prior to processing. All conglomerate RAP shall be processed prior to testing by crushing to where all RAP shall pass the 5/8 in. (16 mm) or smaller screen. Conglomerate RAP stockpiles shall not contain steel slag or other expansive material as determined by the Department.
- (d) Conglomerate "D" Quality (DQ). Conglomerate DQ RAP stockpiles shall consist of RAP from Class I, HMA (High or Low ESAL), or "All Other" (as defined by Article 1030.04(a)(3)) mixtures. The coarse aggregate in this RAP may be crushed or round but shall be at least D quality. This RAP may have an inconsistent gradation and/or asphalt binder content. Conglomerate DQ RAP stockpiles shall not contain steel slag or other expansive material as determined by the Department.
- (e) Non-Quality. RAP stockpiles that do not meet the requirements of the stockpile categories listed above shall be classified as "Non-Quality".

RAP/FRAP containing contaminants, such as earth, brick, sand, concrete, sheet asphalt, bituminous surface treatment (i.e. chip seal), pavement fabric, joint sealants, etc., will be unacceptable unless the contaminants are removed to the satisfaction of the Engineer. Sheet asphalt shall be stockpiled separately.

1031.03 Testing. When used in HMA, the RAP/FRAP shall be sampled and tested either during or after stockpiling.

For testing during stockpiling, washed extraction samples shall be run at the minimum frequency of one sample per 500 tons (450 metric tons) for the first 2000 tons (1800 metric tons) and one sample per 2000 tons (1800 metric tons) thereafter. A minimum of five tests shall be required for stockpiles less than 4000 tons (3600 metric tons).

For testing after stockpiling, the Contractor shall submit a plan for approval to the District proposing a satisfactory method of sampling and testing the RAP/FRAP pile either in-situ or by restockpiling. The sampling plan shall meet the minimum frequency required above and detail the procedure used to obtain representative samples throughout the pile for testing.

Before extraction, each field sample shall be split to obtain two samples of test sample size. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall extract the other test sample according to Department procedure. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

Evaluation of Test Results. All of the extraction results shall be compiled and averaged for asphalt binder content and gradation and, when applicable G_{mm} . Individual extraction test results, when compared to the averages, will be accepted if within the tolerances listed below.

Parameter	FRAP/Homogeneous /Conglomerate	Conglomerate "D" Quality
1 in. (25 mm)		± 5 %
1/2 in. (12.5 mm)	± 8 %	± 15 %
No. 4 (4.75 mm)	± 6 %	± 13 %
No. 8 (2.36 mm)	± 5 %	
No. 16 (1.18 mm)		± 15 %
No. 30 (600 μm)	± 5 %	
No. 200 (75 μm)	± 2.0 %	± 4.0 %
Asphalt Binder	± 0.4 % ^{1/}	± 0.5 %
G_{mm}	± 0.03	

1/ The tolerance for FRAP shall be ± 0.3 %.

If more than 20 percent of the individual sieves are out of the gradation tolerances, or if more than 20 percent of the asphalt binder content test results fall outside the appropriate tolerances, the RAP/FRAP shall not be used in HMA unless the RAP/FRAP representing the failing tests is removed from the stockpile. All test data and acceptance ranges shall be sent to the District for evaluation.

With the approval of the Engineer, the ignition oven may be substituted for extractions according to the Illinois Test Procedure, "Calibration of the Ignition Oven for the Purpose of Characterizing Reclaimed Asphalt Pavement (RAP)".

1031.04 Quality Designation of Aggregate in RAP/FRAP.

- (a) The aggregate quality of the RAP for homogenous, conglomerate, and conglomerate "D" quality stockpiles shall be set by the lowest quality of coarse aggregate in the RAP stockpile and are designated as follows.
- (1) RAP from Class I, Superpave (High ESAL)/HMA (High ESAL), or HMA (Low ESAL) IL-9.5L surface mixtures are designated as containing Class B quality coarse aggregate.
 - (2) RAP from Superpave (Low ESAL)/HMA (Low ESAL) IL-19.0L binder mixture is designated as Class D quality coarse aggregate.
 - (3) RAP from Class I, Superpave (High ESAL), or HMA (High ESAL) binder mixtures, bituminous base course mixtures, and bituminous base course widening mixtures are designated as containing Class C quality coarse aggregate.

(4) RAP from bituminous stabilized subbase and BAM shoulders are designated as containing Class D quality coarse aggregate.

(b) The aggregate quality of FRAP shall be determined as follows.

(1) If the Engineer has documentation of the quality of the FRAP aggregate, the Contractor shall use the assigned quality provided by the Engineer. If the quality is not known, the quality shall be determined according to Article 1031.04(b)(2).

(2) Coarse and fine FRAP stockpiles containing plus #4 (4.75 mm) sieve coarse aggregate shall have a maximum tonnage of 5000 tons (4500 metric tons). The Contractor shall obtain a representative sample witnessed by the Engineer. The sample shall be a minimum of 50 lb (25 kg). The sample shall be extracted according to Illinois Modified AASHTO T 164 by a consultant prequalified by the Department for the specified testing. The consultant shall submit the test results along with the recovered aggregate to the District Office. The cost for this testing shall be paid by the Contractor. The District will forward the sample to the BMPR Aggregate Lab for MicroDeval Testing, according to Illinois Modified AASHTO T 327. A maximum loss of 15.0 percent will be applied for all HMA applications."

1031.05 Use of RAP/FRAP in HMA. The use of RAP/FRAP shall be a Contractor's option when constructing HMA in all contracts. The use of RAP/FRAP in HMA shall be as follows.

- (a) Coarse Aggregate Size. The coarse aggregate in all RAP shall be equal to or less than the nominal maximum size requirement for the HMA mixture to be produced.
- (b) Steel Slag Stockpiles. RAP stockpiles containing steel slag or other expansive material, as determined by the Department, shall be homogeneous and will be approved for use in HMA (High ESAL and Low ESAL) surface mixtures only.
- (c) Use in HMA Surface Mixtures (High and Low ESAL). RAP/FRAP stockpiles for use in HMA surface mixtures (High and Low ESAL) shall be FRAP or homogeneous in which the coarse aggregate is Class B quality or better. RAP/FRAP shall be considered equivalent to limestone for frictional considerations unless produced/screened to minus 3/8 in. (10 mm).
- (d) Use in HMA Binder Mixtures (High and Low ESAL), HMA Base Course, and HMA Base Course Widening. RAP/FRAP stockpiles for use in HMA binder mixtures (High and Low ESAL); HMA base course, and HMA base course widening shall be FRAP, homogeneous, or conglomerate, in which the coarse aggregate is Class C quality or better.
- (e) Use in Shoulders and Subbase. RAP/FRAP stockpiles for use in HMA shoulders and stabilized subbase (HMA) shall be FRAP, homogeneous, conglomerate, or conglomerate DQ.

- (f) When the Contractor chooses the RAP option, the percentage of RAP shall not exceed the amounts indicated in the table below for a given N Design.

Max RAP Percentage

HMA Mixtures ^{1/, 3/}	Maximum % RAP			
	Ndesign	Binder/Leveling Binder	Surface	Polymer Modified
30	30	30	10	10
50	25	15	10	10
70	15 / 25 ^{2/}	10 / 15 ^{2/}	10	10
90	10	10	10	10
105	10	10	10	10

1/ For HMA "All Other" (shoulder and stabilized subbase) N-30, the amount of RAP shall not exceed 50% of the mixture.

2/ Value of Max % RAP if homogeneous RAP stockpile of IL-9.5 RAP is utilized.

3/ When RAP exceeds 20 percent, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent RAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28). If warm mix asphalt (WMA) technology is utilized, and production temperatures do not exceed 275 °F (135 °C) the high and low virgin asphalt binder grades shall each be reduced by one grade when RAP exceeds 25 percent (i.e. 26 percent RAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).

- (g) When the Contractor chooses the FRAP option, the percentage of FRAP shall not exceed the amounts indicated in the table below for a given N Design.

(1) Level 1 Maximum FRAP Percentage.

HMA Mixtures ^{1/, 2/}	Level 1 - Maximum % FRAP			
	Ndesign	Binder/Leveling Binder	Surface	Polymer Modified ^{3/, 4/}
30	35	35	10	10
50	30	25	10	10
70	25	20	10	10
90	20	15	10	10
105	10	10	10	10

- 1/ For HMA "All Other" (shoulder and stabilized subbase) N30, the amount of FRAP shall not exceed 50 percent of the mixture.

- 2/ When FRAP exceeds 20 percent for all mixes, except for SMA and IL-4.75, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent FRAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28). If warm mix asphalt (WMA) technology is utilized, and production temperatures do not exceed 275 °F (135 °C) the high and low virgin asphalt binder grades shall each be reduced by one grade when FRAP exceeds 25 percent (i.e. 26 percent FRAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).
- 3/ For SMA the maximum FRAP shall be 20 percent. When the FRAP usage in SMA exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).
- 4/ For IL-4.75 mix the amount of minus #4 fine fraction FRAP shall not exceed 20 percent. When the FRAP usage in IL-4.75 exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).

(2) Level 2 Maximum FRAP percentage.

HMA Mixtures ^{1/, 2/}	Level 1 - Maximum % FRAP		
	Ndesign	Binder/Leveling Binder	Surface
30	40	40	10
50	40	30	10
70	30	20	10
90	30	20	10
105	30	15	10

- 1/ For HMA "All Other" (shoulder and stabilized subbase) N30, the amount of FRAP shall not exceed 50 percent of the mixture.
- 2/ When FRAP exceeds 20 percent for all mixes, except for SMA and IL-4.75, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent FRAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28). If warm mix asphalt (WMA) technology is utilized, and production temperatures do not exceed 275 °F (135 °C) the high and low virgin asphalt binder grades shall each be reduced by one grade when FRAP exceeds 25 percent (i.e. 26 percent FRAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).
- 3/ For SMA the maximum FRAP shall be 20 percent. When the FRAP usage in SMA exceeds 10 percent, the high and low virgin asphalt binder grade shall each be

reduced by one grade (i.e. 15 percent asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).

- 4/ For IL-4.75 mix the amount of minus #4 fine fraction FRAP shall not exceed 30 percent. When the FRAP usage in IL-4.75 exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).

1031.06 HMA Mix Designs. At the Contractor's option, HMA mixtures may be constructed utilizing RAP/FRAP material meeting the above detailed requirements.

FRAP mix designs exceeding the Level 1 FRAP percentages shall be tested prior to submittal for verification, according to Illinois Modified AASHTO T324 (Hamburg Wheel) and shall meet the following requirements.

Asphalt Binder Grade	# Repetitions	Max. Rut Depth in. (mm)
PG76-XX	20,000	1/2 (12.5)
PG70-XX	15,000	1/2 (12.5)
PG64-XX	10,000	1/2 (12.5)
PG58-XX	10,000	1/2 (12.5)

RAP/FRAP designs shall be submitted for volumetric verification. If additional RAP/FRAP stockpiles are tested and found that no more than 20 percent of the results, as defined under "Testing" herein, are outside of the control tolerances set for the original RAP/FRAP stockpile and HMA mix design, and meets all of the requirements herein, the additional RAP/FRAP stockpiles may be used in the original mix design at the percent previously verified.

1031.07 HMA Production. Mixture production where the FRAP percentage exceeds the Level 1 limits shall be sampled within the first 500 tons (450 metric tons) on the first day of production with a split reserved for the Department. The mix sample shall be tested according to the Illinois Modified AASHTO T324 and shall meet the requirements specified herein. FRAP mix production shall not exceed 1500 tons (1350 metric tons) or one days production, whichever comes first, until the testing is completed and the mixture is found to be in conformance. The requirement to cease mix production may be waived if the plant produced FRAP mixture conformance is demonstrated prior to start of mix production for the contract.

The coarse aggregate in all RAP used shall be equal to or less than the nominal maximum size requirement for the HMA mixture being produced.

To remove or reduce agglomerated material, a scalping screen, gator, crushing unit, or comparable sizing device approved by the Engineer shall be used in the RAP feed system to remove or reduce oversized material. If material passing the sizing device adversely affects the mix production or quality of the mix, the sizing device shall be set at a size specified by the Engineer.

If the RAP/FRAP control tolerances or QC/QA test results require corrective action, the Contractor shall cease production of the mixture containing RAP/FRAP and either switch to the virgin aggregate design or submit a new RAP/FRAP design.

HMA plants utilizing RAP/FRAP shall be capable of automatically recording and printing the following information.

(a) Dryer Drum Plants.

- (1) Date, month, year, and time to the nearest minute for each print.
- (2) HMA mix number assigned by the Department.
- (3) Accumulated weight of dry aggregate (combined or individual) in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).
- (4) Accumulated dry weight of RAP/FRAP in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).
- (5) Accumulated mineral filler in revolutions, tons (metric tons), etc. to the nearest 0.1 unit.
- (6) Accumulated asphalt binder in gallons (liters), tons (metric tons), etc. to the nearest 0.1 unit.
- (7) Residual asphalt binder in the RAP/FRAP material as a percent of the total mix to the nearest 0.1 percent.
- (8) Aggregate and RAP/FRAP moisture compensators in percent as set on the control panel. (Required when accumulated or individual aggregate and RAP/FRAP are printed in wet condition.)

(b) Batch Plants.

- (1) Date, month, year, and time to the nearest minute for each print.
- (2) HMA mix number assigned by the Department.
- (3) Individual virgin aggregate hot bin batch weights to the nearest pound (kilogram).
- (4) Mineral filler weight to the nearest pound (kilogram).
- (5) RAP/FRAP weight to the nearest pound (kilogram).
- (6) Virgin asphalt binder weight to the nearest pound (kilogram).

- (7) Residual asphalt binder in the RAP/FRAP material as a percent of the total mix to the nearest 0.1 percent.

The printouts shall be maintained in a file at the plant for a minimum of one year or as directed by the Engineer and shall be made available upon request. The printing system will be inspected by the Engineer prior to production and verified at the beginning of each construction season thereafter.

1031.08 RAP in Aggregate Surface Course and Aggregate Shoulders. The use of RAP in aggregate surface course and aggregate shoulders shall be as follows.

- (a) Stockpiles and Testing. RAP stockpiles may be any of those listed in Article 1031.02, except "Non-Quality" and "FRAP". The testing requirements of Article 1031.03 shall not apply.
- (b) Gradation. One hundred percent of the RAP material shall pass the 1 1/2 in. (37.5 mm) sieve. The RAP material shall be reasonably well graded from coarse to fine. RAP material that is gap-graded or single sized will not be accepted."

80172

RECLAIMED ASPHALT SHINGLES (RAS) (BDE)

Effective: January 1, 2012

Description. Reclaimed asphalt shingles (RAS) meeting the requirements herein will be permitted in all HMA mixtures used for overlay applications only. RAS shall not be used in full-depth HMA pavement. When RAS is used in conjunction with Reclaimed Asphalt Pavement (RAP), the RAP shall be according to the special provision, "Reclaimed Asphalt Pavement (RAP)"

Definitions. RAS shall be a clean and uniform material with a maximum of 0.5 percent unacceptable materials, as defined in Bureau of Materials and Physical Research Policy Memorandum "Reclaimed Asphalt Shingle (RAS) Sources", by weight of RAS. All RAS used shall come from a Bureau of Materials and Physical Research approved processing facility where it shall be ground and processed to 100 percent passing the 3/8 in. (9.5 mm) sieve and 93 percent passing the #4 (4.75 mm) sieve based on a dry shake gradation. RAS shall be uniform in gradation and asphalt binder content and shall meet the testing requirements specified herein. In addition, RAS shall meet the following Type 1 or Type 2 requirements.

- (a) Type 1. Type 1 RAS shall be processed, preconsumer asphalt shingles salvaged from the manufacture of residential asphalt roofing shingles.
- (b) Type 2. Type 2 RAS shall be processed post-consumer shingles only, salvaged from residential, or four unit or less dwellings not subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP).

Stockpiles. Type 1 and Type 2 RAS shall be stockpiled separately and shall not be intermingled. Each stockpile shall be signed indicating what type of RAS is present.

Unless otherwise approved by the Engineer, mechanically blending manufactured sand (FM 20 or FM 22) up to an equal weight of RAS with the processed RAS will be permitted to improve workability. The sand shall be "B Quality" or better from an approved Aggregate Gradation Control System source. The sand shall be accounted for in the mix design and during HMA production.

Records identifying the shingle processing facility supplying the RAS, RAS type and lot number shall be maintained by project contract number and kept for a minimum of 3 years.

Testing. RAS shall be sampled and tested during stockpiling.

For testing during stockpiling, washed extraction, and testing for unacceptable materials shall be run at the minimum frequency of one sample per 200 tons (180 metric tons) for the first 1000 tons (900 metric tons) and one sample per 250 tons (225 metric tons) thereafter. A minimum of five tests are required for stockpiles less than 1000 tons (900 metric tons). Once a ≤ 1000 ton (900 metric ton), five-test stockpile has been established it shall be sealed. Additional incoming RAS shall be stockpiled in a separate working pile as designated in the

Quality Control plan and only added to the sealed stockpile when the test results of the working pile are complete and are found to meet the tolerances specified herein for the original sealed RAS stockpile.

Before testing, each field sample shall be split to obtain two samples. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall extract the other test sample according to Department procedures. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

Evaluation of Test Results. All of the test results, with the exception of percent unacceptable materials, shall be compiled and averaged for asphalt binder content and gradation. Individual test results, when compared to the averages, will be accepted if within the tolerances listed below.

Parameter	RAS
No. 8 (2.36 mm)	± 5%
No. 16 (1.18 mm)	± 5%
No. 30 (600 µm)	± 4%
No. 200 (75 µm)	± 2.0%
Asphalt Binder Content	± 1.5%

If more than 20 percent of the individual sieves are out of the gradation tolerances, or if more than 20 percent of the asphalt binder content, or if the percent unacceptable materials exceeds 0.5 percent by weight of material retained on the # 4 (4.75 mm) sieve, the RAS shall not be used in Department projects. All test data and acceptance ranges shall be sent to the District for evaluation.

Use of RAS in HMA. Type 1 or Type 2 RAS may be used alone or in conjunction with Reclaimed Asphalt Pavement (RAP) in all HMA mixtures up to a maximum of 5.0 percent by weight of total mix.

- (a) Level 1 asphalt binder replacement. The maximum Level 1 RAS or RAS/RAP blend usage will be dictated by the Level 1 – Maximum Asphalt Binder Replacement (MABR) table listed below.

HMA Mixtures ^{1/, 2/}	Level 1 – Maximum Asphalt Binder Replacement, %		
	Binder/Leveling Binder	Surface	Polymer Modified ^{3/, 4/}
30	35	35	10
50	30	25	10
70	25	20	10
90	20	15	10
105	10	10	10

- 1/ For HMA shoulder and stabilized subbase (HMA "All Other") N-30, the maximum binder replacement shall be 50 percent.

- 2/ When the asphalt binder replacement exceeds 20 percent for all mixtures, except for SMA and IL-4.75, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 25 percent asphalt binder replacement would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).
- 3/ For SMA the maximum asphalt binder replacement shall be 20 percent. When the binder replacement exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to PG70-28).
- 4/ For IL-4.75 mix the maximum asphalt binder replacement shall not exceed 20 percent. When the asphalt binder replacement exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).

(b) Level 2 asphalt binder replacement. The maximum Level 2 RAS or RAS/RAP blend usage will be dictated by the Level 2 – MABR table listed below.

HMA Mixtures ^{1/, 2/} Ndesign	Level 2 – Maximum Asphalt Binder Replacement, %		
	Binder/Leveling Binder	Surface	Polymer Modified ^{3/, 4/}
30	40	40	10
50	40	30	10
70	30	20	10
90	30	20	10
105	30	15	10

- 1/ For HMA shoulder and stabilized subbase (HMA "All Other") N-30, the maximum binder replacement shall be 50 percent.
- 2/ When the asphalt binder replacement exceeds 20 percent for all mixtures, except for SMA and IL-4.75, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 25 percent asphalt binder replacement would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).
- 3/ For SMA the maximum asphalt binder replacement shall be 20 percent. When the binder replacement exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to PG70-28).
- 4/ For IL-4.75 mix the maximum asphalt binder replacement shall not exceed 30 percent. When the asphalt binder replacement exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent

asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).

HMA Mix Designs. RAS and RAS/RAP designs shall be submitted for volumetric verification. Type 1 and Type 2 RAS are not interchangeable in a mix design. A RAS stone bulk specific gravity (Gsb) of 2.500 shall be used for mix design purposes.

RAS and RAS/RAP mix designs with asphalt binder replacements exceeding the Level 1 – MABR limits specified herein, shall be tested prior to submittal for verification, according to Illinois Modified AASHTO T324 (Hamburg Wheel). RAS and RAS/RAP mixtures exceeding the Level 1 MABR limits shall meet the following requirements.

Asphalt Binder Grade	# Repetitions	Maximum Rut Depth in. (mm)
PG76-XX	20,000	1/2 (12.5)
PG70-XX	15,000	1/2 (12.5)
PG64-XX	10,000	1/2 (12.5)
PG58-XX	10,000	1/2 (12.5)

HMA Production. Mixture production, where the RAS and RAS/RAP asphalt binder replacement exceeds the Level 1 MABR, shall be sampled within the first 500 tons (450 metric tons) on the first day of production with a split reserved for the Department. The mix sample shall be tested according to Illinois Modified AASHTO T324 and shall meet the requirements specified herein. RAS and RAS/RAP mix production shall not exceed 1500 tons (1350 metric tons) or one day's production, whichever comes first, until the testing is completed and the mixture is found to be in conformance. The requirement to cease mix production may be waived if the RAS and RAS/RAP plant produced mixture conformance is demonstrated prior to start of mix production for a State contract.

RAS shall be incorporated into the HMA mixture either by a separate weight depletion system or by using the RAP weigh belt. Either feed system shall be interlocked with the aggregate feed or weigh system to maintain correct proportions for all rates of production and batch sizes. The portion of RAS shall be controlled accurately to within ± 0.5 percent of the amount of RAS utilized. When using the weight depletion system, flow indicators or sensing devices shall be provided and interlocked with the plant controls such that the mixture production is halted when RAS flow is interrupted.

When producing HMA containing RAS, a positive duct control system shall be utilized.

HMA plants utilizing RAS shall be capable of automatically recording and printing the following information.

(a) Dryer Drum Plants.

- (1) Date, month, year, and time to the nearest minute for each print.

- (2) HMA mix number assigned by the Department.
- (3) Accumulated weight of dry aggregate (combined or individual) in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).
- (4) Accumulated dry weight of RAS in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).
- (5) Accumulated mineral filler in revolutions, tons (metric tons), etc. to the nearest 0.1 unit.
- (6) Accumulated asphalt binder in gallons (liters), tons (metric tons), etc. to the nearest 0.1 unit.
- (7) Residual asphalt binder in the RAS material as a percent of the total mix to the nearest 0.1 percent.
- (8) Aggregate and RAS moisture compensators in percent as set on the control panel. (Required when accumulated or individual aggregate and RAS are printed in wet condition.)

(b) Batch Plants.

- (1) Date, month, year, and time to the nearest minute for each print.
- (2) HMA mix number assigned by the Department.
- (3) Individual virgin aggregate hot bin batch weights to the nearest pound (kilogram).
- (4) Mineral Filler weight to the nearest pound (kilogram).
- (5) RAS weight to the nearest pound (kilogram).
- (6) Virgin asphalt binder weight to the nearest pound (kilogram).
- (7) Residual asphalt binder in the RAS material as a percent of the total mix to the nearest 0.1 percent.

The printouts shall be maintained in a file at the plant for a minimum of one year or as directed by the Engineer and shall be made available upon request. The printing will be inspected by the Engineer prior to production and verified at the beginning of each construction season thereafter.

REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES (BDE)

Effective: January 1, 2012

Revise Article 669.01 of the Standard Specifications to read:

"669.01 Description. This work shall consist of the transportation and proper disposal of contaminated soil and water. This work shall also consist of the removal, transportation, and proper disposal of underground storage tanks (UST), their content and associated underground piping to the point where the piping is above the ground, including determining the content types and estimated quantities."

Revise the second paragraph of Article 669.16 of the Standard Specifications to read:

"The transportation and disposal of soil and other materials from an excavation determined to be contaminated will be paid for at the contract unit price per cubic yard (cubic meter) for NON-SPECIAL WASTE DISPOSAL, SPECIAL WASTE DISPOSAL, or HAZARDOUS WASTE DISPOSAL."

80283

SELF-CONSOLIDATING CONCRETE FOR CAST-IN-PLACE CONSTRUCTION (BDE)

Effective: November 1, 2005

Revised: January 1, 2012

Description. This work shall consist of constructing cast-in-place items involving Class DS or SI concrete with self-consolidating concrete. The concrete shall be according to the special provision, "Portland Cement Concrete", except as modified herein.

Definition. Self-consolidating concrete is a flowable mixture that does not require mechanical vibration for consolidation.

Mix Design Criteria. Article 1020.04 shall apply, except as follows:

- (a) The slump requirements shall not apply.
- (b) The coarse aggregate gradations shall be CA 13, CA 14, CA 16, or a blend of these gradations. CA 11 may be used when the Contractor provides satisfactory evidence to the Engineer that the mix will not segregate. The fine aggregate proportion shall be a maximum 50 percent by weight (mass) of the total aggregate used.
- (c) The slump flow range shall be ± 2 in. (± 50 mm) of the Contractor target value, and within the overall Department range of 20 in. (510 mm) minimum to 28 in. (710 mm) maximum.
- (d) The visual stability index shall be a maximum of 1.
- (e) The J-ring value shall be a maximum of 4 in. (100 mm). The Contractor may specify a lower maximum in the mix design.
- (f) The L-box blocking ratio shall be a minimum of 60 percent. The Contractor may specify a higher minimum in the mix design.
- (g) The hardened visual stability index shall be a maximum of 1.

Test Methods. Illinois Test Procedures SCC-1, SCC-2, SCC-3, SCC-4, SCC-6, and Illinois Modified AASHTO T 22, 23, 121, 126, 141, 152, 177, 196, and 309 shall be used for testing of self-consolidating concrete mixtures.

Mix Design Submittal. The Contractor's Level III PCC Technician shall submit a mix design according to the "Portland Cement Concrete Level III Technician" course manual, except target slump information is not applicable and will not be required. However, a target slump flow shall be submitted.

A J-ring value shall be submitted if a lower mix design maximum will apply. An L-box blocking ratio shall be submitted if a higher mix design minimum will apply. The Contractor shall also indicate applicable construction items for the mix design.

Trial mixture information will be required by the Engineer. A trial mixture is a batch of concrete tested by the Contractor to verify the Contractor's mix design will meet specification requirements. Trial mixture information shall include test results as specified in the "Portland Cement Concrete Level III Technician" course manual. Test results shall also include slump flow, visual stability index, J-ring value or L-box blocking ratio, and hardened visual stability index. For the trial mixture, the slump flow shall be near the proposed target slump flow.

Trial Batch. A minimum 2 cu yd (1.5 cu m) trial batch shall be produced, and the self-consolidating concrete admixture dosage proposed by the Contractor shall be used. The slump flow shall be within 1.0 in. (25 mm) of the maximum slump flow range specified by the Contractor, and the air content shall be within the top half of the allowable specification range.

The trial batch shall be scheduled a minimum of 21 calendar days prior to anticipated use and shall be performed in the presence of the Engineer.

The Contractor shall provide the labor, equipment, and materials to test the concrete. The mixture will be evaluated by the Engineer for strength, air content, slump flow, visual stability index, J-ring value or L-box blocking ratio, and hardened visual stability index.

Upon review of the test data from the trial batch, the Engineer will verify or deny the use of the mix design and notify the Contractor.

A new trial batch will be required whenever there is a change in the source of any component material, proportions beyond normal field adjustments, dosage of the self-consolidating concrete admixture, batch sequence, mixing speed, mixing time, or as determined by the Engineer. The testing criteria for the new trial batch will be determined by the Engineer.

When necessary, the trial batches shall be disposed of according to Article 202.03 of the Standard Specifications.

Mixing Portland Cement Concrete. In addition to Article 1020.11, the mixing time for central-mixed concrete shall not be reduced as a result of a mixer performance test. Truck-mixed or shrink-mixed concrete shall be mixed in a truck mixer for a minimum of 100 revolutions.

The batch sequence, mixing speed, and mixing time shall be appropriate to prevent cement balls and mix foaming for central-mixed, truck-mixed, and shrink-mixed concrete.

Falsework and Forms. In addition to Articles 503.05 and 503.06 of the Standard Specifications, the Contractor shall ensure the design of the falsework and forms is adequate for the additional form pressure caused by the fluid concrete. Forms shall be tight to prevent leakage of fluid concrete.

When the form height for placing the self-consolidating concrete is greater than 10.0 ft (3.0 m), direct monitoring of form pressure shall be performed according to Illinois Test Procedure SCC-10. The monitoring requirement is a minimum, and the Contractor shall remain responsible for adequate design of the falsework and forms. The Contractor shall record the formwork

pressure during concrete placement. This information shall be used by the Contractor to prevent the placement rate from exceeding the maximum formwork pressure allowed, to monitor the thixotropic change in the concrete during the pour, and to make appropriate adjustments to the mix design. This information shall be provided to the Engineer during the pour.

Placing and Consolidating. Concrete placement and consolidation shall be according to Article 503.07 of the Standard Specifications, except as follows:

Revise the third paragraph of Article 503.07 of the Standard Specifications to read:

“Open troughs and chutes shall extend as nearly as practicable to the point of deposit. The drop distance of concrete shall not exceed 5 ft (1.5 m). If necessary, a tremie shall be used to meet this requirement. The maximum distance of horizontal flow from the point of deposit shall be 25 ft (7.6 m), unless approved otherwise by the Engineer. For drilled shafts, free fall placement will not be permitted.”

Delete the seventh, eighth, ninth, and tenth paragraphs of Article 503.07 of the Standard Specifications.

Add to the end of the eleventh paragraph of Article 503.07 of the Standard Specifications the following:

“Concrete shall be rodded with a piece of lumber, conduit, or vibrator if the material has lost its fluidity prior to placement of additional concrete. The vibrator shall be the pencil head type with a maximum diameter or width of 1 in. (25 mm). Any other method for restoring the fluidity of the concrete shall be approved by the Engineer.”

If the contract requires QC/QA for concrete, the following four sections shall supplement the special provision Quality Control/Quality Assurance of Concrete Mixtures. If QC/QC is not required, the following four sections shall be disregarded.

Quality Control by Contractor at Plant. The specified test frequencies for aggregate gradation, aggregate moisture, air content, unit weight/yield, and temperature shall be performed as indicated in the contract.

Slump flow, visual stability index, and J-ring or L-box tests shall be performed as needed to control production. The hardened visual stability index test will not be required to be performed at the plant.

Quality Control by Contractor at Jobsite. The specified test frequencies for air content, strength, and temperature shall be performed as indicated in the contract.

Slump flow, visual stability index, and J-ring or L-box tests shall be performed on the first two truck deliveries of the day, and every 50 cu yd (40 cu m) thereafter. The Contractor shall select either the J-ring or L-box test for jobsite testing.

The hardened visual stability index test shall be performed on the first truck delivery of the day, and every 300 cu yd (230 cu m) thereafter. Slump flow, visual stability index, J-ring value or L-

box blocking ratio, air content, and concrete temperature shall be recorded for each hardened visual stability index test.

The Contractor shall retain all hardened visual stability index cut cylinder specimens until the Engineer notifies the Contractor that the specimens may be discarded.

If mix foaming or other potential detrimental material is observed during placement or at the completion of the pour, the material shall be removed while the concrete is still plastic.

Quality Assurance by Engineer at Plant. For air content and aggregate gradation, quality assurance independent sample testing and split sample testing will be performed as indicated in the contract.

For slump flow, visual stability index, and J-ring or L-box tests, quality assurance independent sample testing and split sample testing will be performed as determined by the Engineer.

Quality Assurance by Engineer at Jobsite. For air content and strength, quality assurance independent sample testing and split sample testing will be performed as indicated in the contract.

For slump flow, visual stability index, J-ring or L-box, and hardened visual stability index tests, quality assurance independent sample testing will be performed as determined by the Engineer.

For slump flow and visual stability index quality assurance split sample testing, the Engineer will perform tests at the beginning of the project on the first three tests performed by the Contractor. Thereafter, a minimum of ten percent of total tests required of the Contractor will be performed per plant, which will include a minimum of one test per mix design. The acceptable limit of precision will be 1.5 in. (40 mm) for slump flow and a limit of precision will not apply to the visual stability index.

For the J-ring or the L-box quality assurance split sample testing, a minimum of 80 percent of the total tests required of the Contractor will be witnessed by the Engineer per plant, which will include a minimum of one witnessed test per mix design. The Engineer reserves the right to conduct quality assurance split sample testing. The acceptable limit of precision will be 1.5 in. (40 mm) for the J-ring value and ten percent for the L-box blocking ratio.

For each hardened visual stability index test performed by the Contractor, the cut cylinders shall be presented to the Engineer for determination of the rating. The Engineer reserves the right to conduct quality assurance split sample testing. A limit of precision will not apply to the hardened visual stability index.

80152

SELF-CONSOLIDATING CONCRETE FOR PRECAST PRODUCTS (BDE)

Effective: July 1, 2004

Revised: January 1, 2012

Description. This work shall consist of constructing precast concrete products with self-consolidating concrete. The concrete shall be according to the special provision, "Portland Cement Concrete", except as modified herein.

Definition. Self-consolidating concrete is a flowable mixture that does not require mechanical vibration for consolidation.

Mix Design Criteria. Article 1020.04 shall apply, except as follows:

- (a) If the maximum cement factor is not specified for the product, it shall not exceed 7.05 cwt/cu yd (418 kg/cu m).
- (b) If the maximum allowable water/cement ratio is not specified for the product, it shall not exceed 0.44.
- (c) The slump requirements shall not apply.
- (d) The coarse aggregate gradations shall be CA 13, CA 14, CA 16, or a blend of these gradations. CA 11 may be used when the Contractor provides satisfactory evidence to the Engineer that the mix will not segregate. The fine aggregate proportion shall be a maximum 50 percent by weight (mass) of the total aggregate used.
- (e) The slump flow range shall be ± 2 in. (± 50 mm) of the Contractor target value, and within the overall Department range of 20 in. (510 mm) minimum to 28 in. (710 mm) maximum.
- (f) The visual stability index shall be a maximum of 1.
- (g) The J-ring value shall be a maximum of 4 in. (100 mm). The Contractor may specify a lower maximum in the mix design.
- (h) The L-box blocking ratio shall be a minimum of 60 percent. The Contractor may specify a higher minimum in the mix design.
- (i) The hardened visual stability index shall be a maximum of 1.

Mixing Portland Cement Concrete. In addition to Article 1020.11, the mixing time for central-mixed concrete shall not be reduced as a result of a mixer performance test. Truck-mixed or shrink-mixed concrete shall be mixed in a truck mixer for a minimum of 100 revolutions.

The batch sequence, mixing speed, and mixing time shall be appropriate to prevent cement balls and mix foaming for central-mixed, truck-mixed, and shrink-mixed concrete.

Placing and Consolidating. The maximum distance of horizontal flow from the point of deposit shall be 25 ft (7.6 m), unless approved otherwise by the Engineer.

Concrete shall be rodded with a piece of lumber, conduit, or vibrator if the material has lost its fluidity prior to placement of additional concrete. The vibrator shall be the pencil head type with a maximum diameter or width of 1 in. (25 mm). Any other method for restoring the fluidity of the concrete shall be approved by the Engineer.

80132

SIDEWALK, CORNER OR CROSSWALK CLOSURE (BDE)

Effective: January 1, 2012

Add the following to Article 701.03 of the Standard Specifications:

“(p) Detectable Pedestrian Channelizing Barricades1106.02(k)”

Add the following to Article 701.15 of the Standard Specifications:

“(n) Detectable Pedestrian Channelizing Barricade. Detectable pedestrian channelizing barricades are cane detectable and visible to persons having low vision. These barricades are used to channelize pedestrian traffic.”

Add the following to Article 1106.02 of the Standard Specifications:

“(m) Detectable Pedestrian Channelizing Barricades. The top and bottom panels shall have alternating white and orange stripes sloping at 45 degrees on the side exposed to pedestrian traffic. Barricade stripes shall be 6 in. (150 mm) in width. The predominant color for other barricade components shall be white, orange, or silver.

The top and bottom rails shall be continuous to allow for detection for hand trailing and cane trailing, respectively.

The faces of the barricade rails shall be vertical.”

SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)

Effective: April 2, 2005

Revised: April 1, 2011

To account for the preparatory work and operations necessary for the movement of subcontractor personnel, equipment, supplies, and incidentals to the project site and for all other work or operations that must be performed or costs incurred when beginning work approved for subcontracting according to Article 108.01 of the Standard Specifications, the Contractor shall make a mobilization payment to each subcontractor.

This mobilization payment shall be made at least 14 days prior to the subcontractor starting work. The amount paid shall be equal to 3 percent of the amount of the subcontract reported on form BC 260A submitted for the approval of the subcontractor's work.

The mobilization payment to the subcontractor is an advance payment of the reported amount of the subcontract and is not a payment in addition to the amount of the subcontract; therefore, the amount of the advance payment will be deducted from future progress payments.

This provision shall be incorporated directly or by reference into each subcontract approved by the Department.

80143

TEMPORARY EROSION AND SEDIMENT CONTROL (BDE)

Effective: January 1, 2012

Revise the first paragraph of Article 280.04(f) of the Standard Specifications to read:

“(f) Temporary Erosion Control Seeding. This system consists of seeding all erodible/bare areas to minimize the amount of exposed surface area. Seed bed preparation will not be required if the surface of the soil is uniformly smooth and in a loose condition. Light disking shall be done if the soil is hard packed or caked. Erosion rills greater than 1 in. (25 mm) in depth shall be filled and area blended with the surrounding soil. Fertilizer nutrients will not be required.”

Delete the last sentence of Article 280.08(e) of the Standard Specifications.

80286

COUNTY OF COOK

CHICAGO, ILLINOIS

PROPOSAL

For a County Highway Improvement in the County of Cook, State of Illinois,

known as Wentworth Avenue

Route W66 Section 95-W6606-01-FP

From Glenwood-Lansing Road To Ridge Road

Cook County Purchasing Contract No.: 12-28-017

LOCATION OF IMPROVEMENT

The proposed improvement is part of the public highway system in the County of Cook, State of Illinois, located by section and route before mentioned, and is indicated on the map showing the County Highway System on file in the office of the County Clerk and also in the office of the Illinois Department of Transportation, Division of Highways, Springfield, Illinois.

The Wentworth Avenue improvement reconstruction begins approximately 67 ft. north of the Glenwood-Lansing Road centerline and extends in a northerly direction for a gross length of approximately 7,461.37 ft. (1.413 miles) ending approximately 171 ft. south of the Ridge Road centerline and includes an omission across the Grand Trunk and Western Railroad for a net length of approximately 7,440.18 ft. (1.409 miles) to be improved along the Wentworth Avenue centerline located within the Village of Lansing in Bloom and Thornton Townships, Cook County, Illinois.

DESCRIPTION OF IMPROVEMENT

The Wentworth Avenue improvement is a Quality Control/Quality Assurance project utilizing Hot-Mix Asphalt (HMA) mixtures for the reconstruction and widening; and mill and resurfacing; of Wentworth Avenue in providing for a 3-lane HMA pavement along Wentworth Avenue consisting of HMA surface and binder courses, HMA stabilized subbase, and aggregate subgrade; including combination concrete curb and gutter; railroad barrier median; sidewalk removal and installation; an enclosed drainage system including ditches, swales, a box culvert and junction chamber; tree removal and earth excavation; new traffic signal installation at the intersection of Wentworth Avenue and 186th Street; pavement markings and signage; landscaping including topsoil, seeding and sodding, and erosion control; detour routing and traffic protection; and other related road work to complete the improvement.

**ECONOMIC DISCLOSURE STATEMENT
AND EXECUTION DOCUMENTS
INDEX**

<u>Section</u>	<u>Description</u>
Instructions	Instructions for Completion of Economic Disclosure Statement Insert IDOT Certificate of Eligibility Insert IDOT Affidavit of Availability
1	DBE Utilization Plan DBE Participation Statement
2	Letter of Intent from DBE to Perform as Subcontractor, Supplier and/or Consultant
3	Petition for Reduction/Waiver of DBE Participation Goals
4	Contractor Certifications
5	Required Disclosures (Lobby, Local Business Preference, Real Estate Ownership) Affidavit of Child Support Obligations Disclosure of Ownership Interest Statement Familial Relationship Disclosure Provision
6	Contractor's Certification Concerning Labor Standards & Prevailing Wage Requirements Subcontractor's Certification Concerning Labor Standards & Prevailing Wage Requirements
7	Execution Pages: Sole Proprietor Signature Page Partnership Signature Page Corporation Signature Page Cook County Signature Page

**INSTRUCTIONS FOR COMPLETION OF
ECONOMIC DISCLOSURE STATEMENT AND EXECUTION DOCUMENT**

This Economic Disclosure Statement and Execution Document ("EDS") is to be completed and executed by every Bidder on a County contract, every party responding to a Request for Proposals or Request for Qualifications ("Proposer"), and others as required by the Cook County Chief Procurement Officer. If the Undersigned is awarded a contract pursuant to the procurement process for which this EDS was submitted (the "Contract"), this Economic Disclosure Statement and Execution Document shall stand as the Undersigned's execution of the Contract.

Definitions. Capitalized terms used in this EDS and not otherwise defined herein shall have the meanings given to such terms in the Instructions to Bidders, General Conditions, Request for Proposals, and Request for Qualifications, or other documents, as applicable.

"Affiliated Entity" means a person or entity that, directly or indirectly: controls the Bidder, is controlled by the Bidder, or is, with the Bidder, under common control of another person or entity. Indicia of control include, without limitation, interlocking management or ownership; identity of interests among family members; shared facilities and equipment; common use of employees; and organization of a business entity following the ineligibility of a business entity to do business with the County under the standards set forth in the Certifications included in this EDS, using substantially the same management, ownership or principals as the ineligible entity.

"Bidder," "Proposer," "Undersigned," or "Applicant," is the person or entity executing this EDS. Upon award and execution of a Contract by the County, the Bidder, Proposer, Undersigned or Applicant, as the case may be, shall become the Contractor or Contracting Party.

"Proposal," for purposes of this EDS, is the Undersigned's complete response to an RFP/RFQ, or if no RFQ/RFP was issued by the County, the "Proposal" is such other bid, quote or offer submitted by the Undersigned, and in any event a "Bid" includes this EDS.

"Code" means the Code of Ordinances, Cook County, Illinois available through the Cook County Clerk's Office website (<http://www.cookctyclerk.com/sub/ordinances.asp>). This page can also be accessed by going to www.cookctyclerk.com, clicking on the tab labeled "County Board Proceedings," and then clicking on the link to "Cook County Ordinances."

"Contractor" or "Contracting Party" means the Bidder, Proposer or Applicant with whom the County has entered into a Contract.

"EDS" means this complete Economic Disclosure Statement and Execution Document, including all sections listed in the Index and any attachments.

"Lobby" or "lobbying" means to, for compensation, attempt to influence a County official or county employee with respect to any County matter.

"Lobbyist" means any person or entity who lobbies.

"Prohibited Acts" means any of the actions or occurrences which form the basis for disqualification under the Code, or under the Certifications hereinafter set forth.

Sections 1 through 3: DBE Documentation. - (1 original set of documents) Sections 1 and 2 must be completed in order to satisfy the requirements of the County's DBE Ordinance, as set forth in the Contract Documents, if applicable. If the Undersigned believes a waiver is appropriate and necessary, Section 3, the Petition for Waiver of DBE Participation must be completed.

Section 4: Certifications. - (1 original set of documents) Section 4 sets forth certifications that are required for contracting parties under the Code. Execution of this EDS constitutes a warranty that all the statements and certifications contained, and all the facts stated, in the Certifications are true, correct and complete as of the date of execution.

Section 5: Economic and Other Disclosures Statement. - (1 original set of documents) Section 5 is the County's required Economic and Other Disclosures Statement form. Execution of this EDS constitutes a warranty that all the information provided in the EDS is true, correct and complete as of the date of execution, and binds the Undersigned to the warranties, representations, agreements and acknowledgements contained therein.

Sections 6: Execution Forms. Refer to section "Definition of Terms/Information for Bidders" for instructions of number of originals and number of copies needed when submitting a bid document.

Required Updates. The information provided in this EDS will be kept current. In the event of any change in any information provided, including but not limited to any change which would render inaccurate or incomplete any certification or statement made in this EDS, the Undersigned will supplement this EDS up to the time the County takes action, by filing an amended EDS or such other documentation as is requested.

Additional Information. The County's Governmental Ethics and Campaign Financing Ordinances, impose certain duties and obligations on persons or entities seeking County contracts, work, business, or transactions. For further information please contact the Director of Ethics at (312) 603-4304 (69 W. Washington St. Suite 3040, Chicago, IL 60602) or visit our web-site at www.cookcountygov.com and go to the Ethics Department link. The Bidder must comply fully with the applicable ordinances.



**Illinois Department
of Transportation**

Certificate of Eligibility

Gallagher Asphalt Corporation
18100 South Indiana Avenue Thornton, IL 60476

Contractor No 1950

WHO HAS FILED WITH THE DEPARTMENT AN APPLICATION FOR PREQUALIFICATION STATEMENT OF EXPERIENCE, EQUIPMENT AND FINANCIAL CONDITION IS HEREBY QUALIFIED TO BID AT ANY OF DEPARTMENT OF TRANSPORTATION LETTINGS IN THE CLASSES OF WORK AND WITHIN THE AMOUNT AND OTHER LIMITATIONS OF EACH CLASSIFICATION, AS LISTED BELOW, FOR SUCH PERIOD AS THE UNCOMPLETED WORK FROM ALL SOURCES DOES NOT EXCEED
UNLIMITED

001	EARTHWORK	\$2,775,000
003	HMA PLANT MIX	Unlimited
012	DRAINAGE	\$500,000
017	CONCRETE CONSTRUCTION	\$2,150,000
032	COLD MILL, PLAN. & ROTOMILL	\$4,175,000
041	HOT (IN-PLACE) RECYCLING	\$5,925,000
08A	AGGREGATE BASES & SURF. (A)	\$10,325,000

THIS CERTIFICATE OF ELIGIBILITY IS VALID FROM 7/14/2011 TO 7/31/2012 INCLUSIVE, AND SUPERSEDES ANY CERTIFICATE PREVIOUSLY ISSUED, BUT IS SUBJECT TO REVISION OR REVOCATION, IF AND WHEN CHANGES IN THE FINANCIAL CONDITION OF THE CONTRACTING FIRM OR OTHER FACTS JUSTIFY SUCH REVISIONS OR REVOCATION. ISSUED AT SPRINGFIELD, ILLINOIS ON 7/14/2011.

Michael H. Fournier

Acting Engineer of Construction



Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

Affidavit of Availability
For the Letting of 1/20/2012
(Letting date)

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	GK11114	GE09902	GE11901	GE11242	0	
	1	2	3	4	Awards Pending	
Contract Number	66409	CDOT B-9-816 (Far South)	CDOT Proj #B-6-119	10-399		
Contract With	K-Five/Dunnet Bay	Chicago	Chicago	Posen		
Estimated Completion Date	10/31/2012	Dec-2012	Jul-2012	Jun-2012		
Total Contract Price	\$4,322,900	\$9,977,424	\$7,795,703	\$193,838		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor		\$7,151,566	\$6,289,238	\$62,998		\$13,503,802
Uncompleted Dollar Value if Firm is the Subcontractor	\$3,187,999					\$3,187,999
Total Value of All Work						\$16,691,801

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

						Accumulated Totals
Earthwork		\$13,280				\$13,280
Portland Cement Concrete Paving						\$0
HMA Plant Mix	\$3,039,409	\$3,079,986	\$2,780,919	\$27,656		\$8,927,970
HMA Paving (& Patching)						\$0
Clean & Seal Cracks/Joints						\$0
Aggregate Bases & Surfaces	\$112,008	\$9,300				\$121,308
Highway, R.R. and Waterway Structures						\$0
Drainage						\$0
Electrical						\$0
Cover and Seal Coats						\$0
Concrete Construction						\$0
Landscaping						\$0
Fencing						\$0
Guardrail						\$0
Painting						\$0
Signing						\$0
Cold Milling, Planing & Rotomilling	\$9,282	\$485,000	\$293,819			\$788,101
Demolition (Removals)						\$0
Pavement Markings (Paint)						\$0
Other Construction (Mob/Misc)	\$27,300	\$148,000	\$49,050			\$224,350
Other Construction (Traffic Control)		\$45,000	\$10,106			\$55,106
Other Construction (HIP Recycling)						\$0
Totals	\$3,187,999	\$3,780,566	\$3,133,894	\$27,656	\$0	\$10,130,115

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code". Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	Awards Pending
Subcontractor		Atrium	MAT Const	Alsterda	
Type of Work		Landscape	Milling	Sewer	
Subcontract Price		\$262,675	\$419,556	\$30,700	
Amount Uncompleted		\$210,000	\$251,482		
Subcontractor		Pan Oceanic	Mark-It	Davis	
Type of Work		Concrete	Thermo	Concrete	
Subcontract Price		\$1,954,800	\$367,116		
Amount Uncompleted		\$1,390,000	\$367,116	\$26,308	
Subcontractor		Sanchez Const	Lady Lighting	Rainbow Farms	
Type of Work		Swr/Concrete	Electrical	Landscape	
Subcontract Price		\$1,067,200	\$72,500	\$9,034	
Amount Uncompleted		\$626,000	\$68,112	\$9,034	
Subcontractor		Marking Splst	JEM	Wigboldy	
Type of Work		Thermo	Traffic	Excavation	
Subcontract Price		\$199,950	\$272,200	\$38,863	
Amount Uncompleted		\$160,000	\$209,594		
Subcontractor		MAT Const	Dynamicx		
Type of Work		Milling	Concrete & Sewer		
Subcontract Price		\$540,050	\$2,836,225		
Amount Uncompleted		\$391,000	\$2,200,720		
Subcontractor		City Lites	Diaz		
Type of Work		Electric	Landscaping		
Subcontract Price		\$743,040	\$58,320		
Amount Uncompleted		\$594,000	\$58,320		
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	\$0	\$3,371,000	\$3,155,344	\$35,342	\$0

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not awarded and reports of estimated completion dates

this _____ day of _____, 20____

Type or Print Name Jeffrey L. Kolmodin
Officer or Director

Title Vice-President

Notary Public

Signed _____

My commission expires: _____

Company Gallagher Asphalt Corporation

Address 18100 South Indiana Avenue

Thornton, IL 60476

(Notary Seal)



Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

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	GE11101	GE11118	GE12101	GE11102	Awards Pending	
	1	2	3	4		
Contract Number	63268	60P21	62421	60863		
Contract With	IDOT	IDOT	Areatha/IDOT	Lorig/IDOT		
Estimated Completion Date	Jun-2012	Jun-2012	Aug-2012	9/30/2012		
Total Contract Price	\$1,018,778	\$671,695	\$71,937	\$65,057		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	\$713,509	\$502,174				\$14,719,485
Uncompleted Dollar Value if Firm is the Subcontractor			\$71,937	\$65,057		\$3,324,993
Total Value of All Work						\$18,044,478

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						Accumulated Totals
Earthwork		\$3,500				\$16,780
Portland Cement Concrete Paving						\$0
HMA Plant Mix	\$206,208	\$180,219	\$71,937	\$48,572		\$9,434,906
HMA Paving (& Patching)						\$0
Clean & Seal Cracks/Joints						\$0
Aggregate Bases & Surfaces						\$121,308
Highway, R.R. and Waterway Structures						\$0
Drainage						\$0
Electrical						\$0
Cover and Seal Coats						\$0
Concrete Construction						\$0
Landscaping						\$0
Fencing						\$0
Guardrail						\$0
Painting						\$0
Signing						\$0
Cold Milling, Planing & Rotomilling		\$26,305		\$10,185		\$824,591
Demolition (Removals)						\$0
Pavement Markings (Paint)						\$0
Other Construction (Mob/Misc)	\$21,104	\$3,950				\$249,404
Other Construction (Traffic Control)	\$5,205	\$765		\$500		\$61,576
Other Construction (HIP Recycling)						\$0
Totals	\$232,517	\$214,739	\$71,937	\$59,257	\$0	\$10,708,565

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	Awards Pending
Subcontractor	Work Zone	Groundskeeper		Road Fabrics	
Type of Work	Traffic	Landscaping		SRCT	
Subcontract Price	\$24,886	\$2,710		\$5,800	
Amount Uncompleted	\$24,886	\$2,710		\$5,800	
Subcontractor	Mark-It	City Lites			
Type of Work	Thermoplastic	Electric			
Subcontract Price	\$27,219	\$13,937			
Amount Uncompleted	\$27,219	\$21,813			
Subcontractor	Alsterda	United			
Type of Work	Sewer	Sewer/Concrete			
Subcontract Price	\$79,985	\$303,389			
Amount Uncompleted	\$48,690	\$235,580			
Subcontractor	Davis	Highway Tech			
Type of Work	Concrete	Traffic			
Subcontract Price	\$156,582	\$21,462			
Amount Uncompleted	\$145,691	\$11,565			
Subcontractor	Groundskeeper				
Type of Work	Landscaper				
Subcontract Price	\$21,185				
Amount Uncompleted	\$18,075				
Subcontractor	Tri-Tech	Mark-It			
Type of Work	Electric	Thermo			
Subcontract Price	\$246,256	\$12,081			
Amount Uncompleted	\$216,431	\$11,270			
Subcontractor		SSACC			
Type of Work		SRCT			
Subcontract Price		\$4,497			
Amount Uncompleted		\$4,497			
Total Uncompleted	\$480,992	\$287,435	\$0	\$5,800	\$0

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates
Subscribed and sworn to before me

this _____ day of _____, 20_____

Type or Print Name Jeffrey L. Kolmodin Vice-President
Officer or Director _____ Title _____

Notary Public

Signed _____

My commission expires: _____

Company Gallagher Asphalt Corporation

Address 18100 South Indiana Avenue

Thornton, IL 60476

(Notary Seal)



Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
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	GE11204	GE11246	GE11704	GE12201	Awards Pending	
	1	2	3	4		
Contract Number	IEPA Loan # L173951	11-00047-00-RS	Private	11-00091-00-RS		
Contract With	Spless Const/ South Holland	Chicago Ridge	Osman / Jewel Osco	South Holland		
Estimated Completion Date	Jun-2012	May-2012	8/1/2012	Jul-2012		
Total Contract Price	\$492,875	\$186,426	\$610,150	\$177,985		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor		\$279,244		\$177,985		\$15,176,714
Uncompleted Dollar Value if Firm is the Subcontractor	\$216,227		\$264,866			\$3,806,086
Total Value of All Work						\$18,982,800

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

						Accumulated Totals
Earthwork		\$3,500		\$5,383		\$25,663
Portland Cement Concrete Paving						\$0
HMA Plant Mix	\$200,432	\$193,184	\$246,771	\$99,191		\$10,174,484
HMA Paving (& Patching)						\$0
Clean & Seal Cracks/Joints						\$0
Aggregate Bases & Surfaces				\$9,022		\$130,330
Highway, R.R. and Waterway Structures						\$0
Drainage				\$4,900		\$4,900
Electrical						\$0
Cover and Seal Coats						\$0
Concrete Construction						\$0
Landscaping						\$0
Fencing						\$0
Guardrail						\$0
Painting						\$0
Signing						\$0
Cold Milling, Planing & Rotomilling	\$15,795	\$34,738		\$15,931		\$891,055
Demolition (Removals)						\$0
Pavement Markings (Paint)						\$0
Other Construction (Mob/Misc)		\$16,125		\$5,000		\$270,529
Other Construction (Traffic Control)		\$28,571				\$90,147
Other Construction (HIP Recycling)						\$0
Totals	\$216,227	\$276,118	\$246,771	\$139,427	\$0	\$11,587,108

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code". Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	Awards Pending
Subcontractor		Fiordirosa	Pvmt Systems	JJ Newell	
Type of Work		Sewer	Striping	Concrete	
Subcontract Price		\$11,345	\$19,695	\$35,916	
Amount Uncompleted			\$18,095	\$35,916	
Subcontractor		Lady Lighting		Pvmt Systems	
Type of Work		Electric		Striping	
Subcontract Price		\$8,155		\$2,642	
Amount Uncompleted				\$2,642	
Subcontractor		Mark-It			
Type of Work		Thermo			
Subcontract Price		\$3,126			
Amount Uncompleted		\$3,126			
Subcontractor		Scanlon			
Type of Work		Concrete			
Subcontract Price		\$25,018			
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	\$0	\$3,126	\$18,095	\$38,558	\$0

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Subscribed and sworn to before me

this _____ day of _____, 20____

Type or Print Name Jeffrey L. Kolmodin
 Officer or Director

Vice-President
 Title

Notary Public

Signed _____

My commission expires: _____

Company Gallagher Asphalt Corporation

Address 18100 South Indiana Avenue

Thornton, IL 60476

(Notary Seal)



Illinois Department of Transportation

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, Illinois 62764

**Affidavit of Availability
For the Letting of 1/20/2012**

(Letting date)

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	GW10131 1	GW10131 1 - Continued	GE12202 2	GE12202 2 -Continued	0 Awards Pending	
Contract Number	63248	63248	Dorchester Parking Lot	Dorchester Parking Lot		
Contract With	IDOT	IDOT	Dolton	Dolton		
Estimated Completion Date	Jan-2012		Aug-2012	Aug-2012		
Total Contract Price	\$2,638,977		\$702,072			Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	\$64,143		\$702,072			\$15,942,929
Uncompleted Dollar Value if Firm is the Subcontractor						\$3,806,086
Total Value of All Work						\$19,749,015

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

						Accumulated Totals
Earthwork			\$5,987			\$31,650
Portland Cement Concrete Paving						\$0
HMA Plant Mix			\$319,703			\$10,494,187
HMA Paving (& Patching)						\$0
Clean & Seal Cracks/Joints						\$0
Aggregate Bases & Surfaces			\$6,800			\$137,130
Highway, R.R. and Waterway Structures						\$0
Drainage						\$4,900
Electrical						\$0
Cover and Seal Coats			\$26,025			\$26,025
Concrete Construction						\$0
Landscaping						\$0
Fencing						\$0
Guardrail						\$0
Painting						\$0
Signing						\$0
Cold Milling, Planing & Rotomilling			\$51,555			\$942,610
Demolition (Removals)						\$0
Pavement Markings (Paint)						\$0
Other Construction (Mob/Misc)	\$3,200					\$273,729
Other Construction (Traffic Control)						\$90,147
Other Construction (HIP Recycling)						\$0
Totals	\$3,200	\$0	\$410,070	\$0	\$0	\$12,000,378

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code". Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	1	1 - Continued	2	2 -Continued	Awards Pending
Subcontractor	Len Cox & Sons	Fox	Thome	Pending	
Type of Work	Sewer	Electric	Electric	Guardrail	
Subcontract Price	\$709,264	\$5,750	\$137,483	\$4,200	
Amount Uncompleted			\$137,483	\$4,200	
Subcontractor	Chief	Work Zone	United	Gencon	
Type of Work	Excavation	Traffic	Sewer	CCDD	
Subcontract Price	\$236,705	\$56,153	\$30,975	\$3,500	
Amount Uncompleted			\$30,975	\$3,500	
Subcontractor	Tree & Land		Pvmt Systems		
Type of Work	Landscaping		Signage		
Subcontract Price	\$125,693		\$8,570		
Amount Uncompleted	\$60,943		\$8,570		
Subcontractor	Steve Piper		Mark Specialist		
Type of Work	Tree Removal		Thermo		
Subcontract Price	\$8,425		\$21,194		
Amount Uncompleted			\$21,194		
Subcontractor	Araiza		Hooks		
Type of Work	Concrete		Concrete		
Subcontract Price	\$140,959		\$19,680		
Amount Uncompleted			\$19,680		
Subcontractor	Mark-It		King Cut		
Type of Work	Thermo		Rumble Shlds		
Subcontract Price	\$19,987		\$6,400		
Amount Uncompleted			\$6,400		
Subcontractor	Express		Pending		
Type of Work	Guardrail		Lift Station		
Subcontract Price	\$21,014		\$60,000		
Amount Uncompleted			\$60,000		
Total Uncompleted	\$60,943	\$0	\$284,302	\$7,700	\$0

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Subscribed and sworn to before me

this 21st day of Dec., 2011

Karen I. Hankus
Notary Public

Type or Print Name Jeffrey L. Kolmodin Vice-President
Officer or Director Title

Signed *JL*

My commission expires: 6-11-14

Company Gallagher Asphalt Corporation
Address 18100 South Indiana Avenue
Thornton, IL 60476

(Notary Seal)





COOK COUNTY DEPARTMENT OF HIGHWAYS

DBE Participation Statement

(1) Policy

It is public policy that disadvantaged businesses as defined in 49 CFR Part 26 and the Special Provision shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with Federal or State funds. Consequently the requirements of 49 CFR Part 26 apply to this contract.

(2) Obligation

The contractor agrees to ensure that disadvantaged businesses as defined in 49 CFR Part 26 and the Special Provision have the maximum opportunity to participate in the performance of contracts or subcontracts financed in whole or in part with Federal or State funds. The contractor shall take all necessary and reasonable steps in accordance with 49 CFR Part 26 and the Special Provision to ensure that said businesses have the maximum opportunity to compete for and perform under this contract. The contractor shall not discriminate on the basis of race, color, national origin or sex in the award and performance of contracts.

(3) Project and Bid Identification

Complete the following information concerning the project and bid:

Route W66
Section 95-W6606-01-FP
Project Wentworth Ave -
County Cook
Letting Date 2/15/12

Total Bid \$6,302,318¹⁷
Contract DBE Goal 22% \$1,386,510⁰⁰
(Percent) (Dollar Amount)

(4) Assurance

I, acting in my capacity as an officer of the undersigned bidder (or bidders if a joint venture), hereby assure the Department that on this project my company: (check one)

Meets or exceeds contract award goals and has provided documented participation as follows:
Disadvantaged Business Participation _____ percent

Attached are the signed participation statements, forms SBE 2025, required by the Special Provision evidencing availability and use of each business participating in this plan and assuring that each business will perform a commercially useful function in the work of the contract.

Failed to meet contract award goals and has included good faith effort documentation to meet the goals and that my company has provided participation as follows:

Disadvantaged Business Participation 17 percent \$1,074,065¹⁴

The contract goals should be accordingly modified or waived. Attached is all information required by the Special Provision in support of this request including good faith effort. Also attached are the signed participation statements, forms SBE 2025, required by the Special Provision evidencing availability and use of each business participating in this plan and assuring that each business will perform a commercially useful function in the work of the contract.

GALLACHER ASPHALT CORP

By JEFFREY L. KOLMANN
Title VP

Date 2/15/12

The "in row" Law Bidder is required to comply with the Special Provision. Submit only one utilization plan for each project. The utilization plan shall be submitted in accordance with the special provision.
Cook County Department of Highways
Contract Documents
65 West Washington Street - Suite 2200
Chicago, IL 60602

This Cook County Highway Department is requesting disclosure of information that is necessary to accomplish the purpose as outlined under State and Federal law. Disclosure of this information is REQUIRED. Failure to provide any information will result in the contract not being awarded. This form has been approved by the State Forms Manager Center.

**PETITION FOR WAIVER OF DBE PARTICIPATION
(SECTION 3)**

A. BIDDER/PROPOSER HEREBY REQUESTS:

FULL DBE WAIVER

FULL DBE WAIVER

REDUCTION (PARTIAL DBE PARTICIPATION)

5 % of Reduction for DBE Participation

_____ % of Reduction for DBE Participation

B. REASON FOR FULL/REDUCTION WAIVER REQUEST

Bidder/Proposer shall check each item applicable to its reason for a waiver request. Additionally, supporting documentation shall be submitted with this request. All supporting documentations shall be submitted with bid/proposal/quotation.

1) Lack of sufficient qualified DBE capable of providing the goods or services required by the contract (please explain)

2) The specifications and necessary requirements for performing the Contract make it impossible or economically infeasible to divide the Contract to enable the contractor to utilize DBE in accordance with the applicable participation (please explain)

3) Price quoted by potential DBE are above competitive levels and increase cost of doing business and would make acceptance of such DBE bid economically impracticable, taking into consideration the percentage of total contract price represented by such DBE bid (please explain)

*DBE SEWER PACKAGE WAS SUBSTANTIALLY HIGHER
DBE CONCRETE PACKAGE WAS SUBSTANTIALLY HIGHER*

4) There are other relevant factors making it impossible or economically infeasible to utilize and/or DBE firms (please explain)

C. GOOD FAITH EFFORTS TO OBTAIN DBE PARTICIPATION

Bidder/Proposer shall check each item applicable to its reason for a waiver request. Additionally, supporting documentation shall be submitted with this request. All supporting documentation shall be submitted with bid/proposal/quotation.

- 1) Made timely written solicitation to identified DBE for utilization of goods and/or services; and provided DBE with a timely opportunity to review and obtain relevant specifications, terms and conditions of the bid to enable DBE to prepare an informed response to solicitation (please attach) *
- 2) Followed up initial solicitation of DBE to determine if firms are interested in doing business (please attach) *
- 3) Advertised in a timely manner in one or more daily newspapers and/or trade publication for DBE for supply of goods and services (please attach)
- 4) Use the services and assistance of the Contract Administrator (please explain)
ATTENDED PREBID + UTILIZED PLAN HOLDER LIST
- 5) Engaged DBE for indirect participation (please explain)
USED NON-DBE SUBCONTRACTORS TO UTILIZE DBE SUBCONTRACTORS.

D. OTHER RELEVANT INFORMATION

Attach any other documentation relative to Good Faith Efforts in complying with DBE participation.

DBE GOOD FAITH EFFORTS CHECKLIST

This Checklist must be submitted with the Bid if the Project Specific DBE Goal was not fully achieved. Attach the Log of Contacts and additional sheets as necessary and other documentation to support Good Faith Efforts. If any of the items below were not completed, attach a detailed written explanation why each such item was not completed. If any other efforts were made to obtain DBE participation in addition to the items listed below, attach a detailed written explanation.

CHECKED BY BIDDER IF COMPLETED

- Soliciting through all reasonable and available means (e.g. attendance at pre-bid meetings, advertising and/or written notices) the interest of all certified DBE companies that have the capability to perform the work of the contract. The bidder must solicit this interest within sufficient time to allow the DBE companies to respond to the solicitation. The bidder must determine with certainty if the DBE companies are interested by taking appropriate steps to follow up initial solicitations.
- Selecting portions of the work to be performed by DBE companies in order to increase the likelihood that the DBE goals will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate DBE participation, even when the prime Contractor might otherwise prefer to perform these work items with its own forces.
- Providing interested DBE companies with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation.
- a. Negotiating in good faith with interested DBE companies. It is the bidder's responsibility to make a portion of the work available to DBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available DBE subcontractors and suppliers, so as to facilitate DBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of DBE companies that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional agreements could not be reached for DBE companies to perform the work.
- b. A bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including DBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration. However, the fact that there may be some additional costs involved in finding and using DBE companies is not in itself sufficient reason for a bidder's failure to meet the contract DBE goal, as long as such costs are reasonable. Also, the ability or desire of a bidder to perform the work of a contract with its own organization does not relieve the bidder of the responsibility to make good faith efforts. Bidders are not, however, required to accept higher quotes from DBE companies if the price difference is excessive or unreasonable.
- Not rejecting DBE companies as being unqualified without sound reasons based on a thorough investigation of their capabilities. The bidder's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union employee status) are not legitimate causes for the rejection or non-solicitation of bids in the bidder's efforts to meet the project goal.
- Made efforts to assist interested DBE companies in obtaining bonding, lines of credit, or insurance as may be required for performance of the contract (if applicable). *NONE ASKED*.
- Making efforts to assist interested DBE companies in obtaining necessary equipment, supplies, materials, or related assistance or services. *NONE ASKED*
- Effectively using the services of available minority/women community organizations; minority/women contractors' groups; local, state, and federal minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBE companies.

COOK COUNTY LETTER OF INTENT
(Section 2)

FROM DBE TO PERFORM AS SUBCONTRACTOR, SUPPLIER AND/OR CONSULTANT

Contract Title & Number: WENTWORTH AVENUE - GLENWOOD LANSING RD. TO RIDGE RD. SEC 95 - W6606-01-FP
From: NATURAL CREATIONS LANDSCAPING INC. (DBE Firm)
To: GALLAGHER ASPHALT CORPORATION (Bidder/Proposer Firm) and the County of Cook

The Undersigned is prepared to provide the following services, supplies and project in connection with the above named contract (the "Contract"): Each service performed and for item supplied will be detailed under Description of Service/Supply and Project with all services/items totaled under Fee/Cost to equal the full dollar amount of the Letter of Intent. This form must be completed for each disadvantaged business participating in the Utilization Plan. Attach this form to the Utilization Plan form. If additional space is needed, complete an additional form for the firm.

Pay Item No.	Description	Quantity	Fee/Cost
	<u>SEE ATTACHED SHEET</u>		\$ %
			\$ %
			\$ %
			Total: \$ <u>222,888.99</u> %

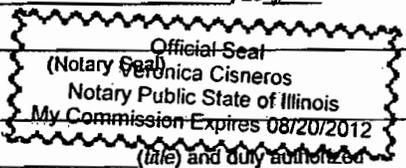
THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement conditioned upon the Bidder/Proposer's receipt of a signed contract from the County of Cook. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/Supply and Fee/Cost were completed.

Upon Penalty of perjury, I JOSE M. GARCIA (print name) the PRESIDENT (title) and duly authorized representative of the NATURAL CREATIONS LANDSCAPING, INC. (DBE firm) affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplied/performed for the above indicated total dollar amount \$ 222,888.99 ^{MB} which represents the above indicated total percentage _____ % for the contract amount \$ _____

[Signature] (Signature of affiant) 3 11 2012 (Date)

Subscribed and sworn to before me this 1st day of MARCH, 2012

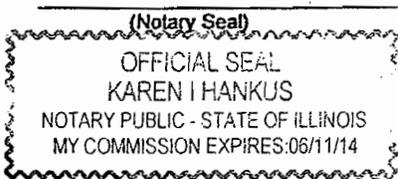
[Signature] (Notary's Signature) Jeffrey L. Kolmodin (print name), the Vice-President (title) and duly authorized representative of Gallagher Asphalt Corporation (Bidder Proposer firm), affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplied/performed for the above indicated total dollar amount \$ 222,888.99 which represents the above indicated total percentage 3.5 % for the contract amount \$ 6,302,318.17



[Signature] (Signature of affiant) 3 19 12 (Date)

Subscribed and sworn to before me this 19th day of March, 2012

[Signature] (Notary's Signature)



**SUBCONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS**

(Section 6)

To Contractor:

Date: March 1, 2012
Project Number: Jenkinson Ave
Project Name: SEC 95-Walke Dr-DI+P

1. The undersigned, having executed a contract with _____
(Contractor)
_____ for Landscaping
Nature of Work)

_____ in the amount of \$ _____ in the construction of the above-identified project,
certifies that:

- (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
- (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
- (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.

2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on ± May 1st 2012
(Date)

4. He certifies that:

- (a) The legal name and the business address of the undersigned are:
Natural Creations Landscaping Inc 350 E. Bruce St Joliet IL 60432
- (b) The undersigned is (check one):
 Sole Proprietorship
 Partnership
 Corporation
 Other Organization (Describe)

(c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
<u>Bse M. Garcia</u>	<u>President</u>	<u>350 E. Bruce St Joliet IL 60432</u>
<u>Mona B. Garcia</u>	<u>Secretary</u>	<u>350 E. Bruce St Joliet IL 60432</u>

DATE 3/1/12

SUBCONTRACTOR
X [Signature]
SIGNATURE

Natural Creations Landscaping, Inc
356 E. Bruce St, Joliet, IL 60432

UNION/MBE-DBE
SINCE 1994

Phone: 815-724-0991
Fax: 815-724-0996

Submitted To: *Gallagher Asphalt* Project Name: Wentworth Ave Glenwood - Lansing Road to Ridge Road
 Phone No.: *708-877-7160* Contract No.: Cook County Highway Department
 Fax No.: *708-877-5222* Bid Date: February 15, 2012

BASE ITEMS:

Item No	Description	Qty	Unit	Unit Price	Total
9	SEEDING, CLASS 3A	2	acre	\$ 2,000.00	\$ 4,000.00
10	NITROGEN FERT NUTRIENT	402	lb	\$ 2.00	\$ 804.00
11	PHOSPGORUS FERT NUTRIENT	402	lb	\$ 2.00	\$ 804.00
12	POTASSIUM FERT NUTRIENT	402	lb	\$ 2.00	\$ 804.00
15	EROSION CONTROL BLANKET	28709	sq yd	\$ 1.45	\$ 41,628.05
16	SODDING, SALT TOLERANT	21271	sq yd	\$ 3.00	\$ 63,813.00
17	SUPPLEMENTAL WATERING	319	unit	\$ 0.01	\$ 3.19
177	T-ACER RUBRUM RED MAPLE 3"	8	each	\$ 300.00	\$ 2,400.00
178	T-ACER RED MAPLE 3"	5	each	\$ 300.00	\$ 1,500.00
179	T-LIRIODENDRON TULIPIFERA 3"	6	each	\$ 400.00	\$ 2,400.00
180	T-GLEDITSIA TRIACANTHOS Skylines 3"	3	each	\$ 300.00	\$ 900.00
181	T-TILIA AMERICANA 3:	2	each	\$ 300.00	\$ 600.00
BASE TOTAL:					\$ 119,656.24

OPTIONAL ITEMS:

Item No	Description	Qty	Unit	Unit Price	Total
6	TOPSOIL, F&P	2344	cu yd	\$ 20.25	\$ 47,466.00
18	TEMPORARY EROSION CONTROL SEEDING	1200	lb	\$ 1.00	\$ 1,200.00
19	TEMPORARY DITCH CHECKS	528	ln ft	\$ 8.50	\$ 4,488.00
20	PERIMETER EROSION BARRIER	12580	ln ft	\$ 1.75	\$ 22,015.00
21	INLET & PIPE PROTECTION	2	each	\$ 250.00	\$ 500.00
22	INLET FILTER	160	each	\$ 10.00	\$ 1,600.00
184	TOPSOIL, F&P, 4" ♦ *	28709	sq yd	\$ 2.25	\$ 64,595.25
185	TREE PROTECTION & PRESERVATION	38	each	\$ 150.00	\$ 5,700.00
213	REMOVE & REINSTALL DECORATIVE BRICK PAVERS ♦ ▽	50	SQ FT	\$ 50.00	\$ 2,500.00
MAX BID:					\$ 269,720.49

GENERAL NOTES:

- ♦ = All subgrades by others
 - ▽ = No concrete base or concrete joints if required
 - ⊗ = No excavation included. Topsoil to be cleaned to IDOT imported topsoil spec by others. Permission to respread from Cook County & by others. We will respread only
 - ♣ = Item 184 optional price if respread = \$1.25 / sq yd 4" deep (credit \$ 1.00 / sq yd 4" deep)
- IMPORTANT NOTE:** Our bid is as square yards

TOTAL =

222,888.99

If you have any bid questions please contact Enrique Gonzalez at 630-878-0767 and he will attempt to contact Jose as Jose will be out of the country bid day. (2/7/12 & 2/8/12)

This bid consist of this bid sheet / DBE Participation Statement / DBE Certification / Subcontractor's Certification
 (Total 4 pages)

COOK COUNTY LETTER OF INTENT (Section 2)

FROM DBE TO PERFORM AS SUBCONTRACTOR, SUPPLIER AND/OR CONSULTANT

Contract Title & Number: Wentworth Ave. 1 95 W 460601 RP
From: Lake County Cartage, Inc. (DBE Firm)
To: (Bidder/Proposer Firm) and the County of Cook

The Undersigned is prepared to provide the following services, supplies and project in connection with the above named contract (the "Contract"): Each service performed and /or item supplied will be detailed under Description of Service/Supply and Project with all services/items totaled under Fee/Cost to equal the full dollar amount of the Letter of Intent. This form must be completed for each disadvantaged business participating in the Utilization Plan. Attach this form to the Utilization Plan form. If additional space is needed, complete an additional form for the firm.

Table with 4 columns: Pay Item No., Description, Quantity, Fee/Cost. Includes a Total row showing \$380,784.00.

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement conditioned upon the Bidder/Proposer's receipt of a signed contract from the County of Cook. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/Supply and Fee/Cost were completed.

Upon Penalty of perjury, I Michele Dolcei (print name) the President (title) and duly authorized representative of the Lake County Cartage, Inc. (DBE firm) affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplies/performed for the above indicated total dollar amount \$380,784.00 which represents the above indicated total percentage % for the contract amount \$

Michele Dolcei (Signature of affiant) 3/1/12 (Date)

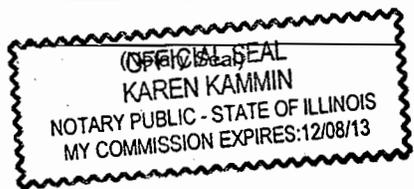


Subscribed and sworn to before me this 1 day of March (Notary's Signature)

Upon penalty of perjury, JEFFREY L KOLMODIN (print name), the VICE PRESIDENT (title) and duly authorized representative of GALLAGHER ASPHALT CORPORATION (Bidder Proposer firm), affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplied/performed for the above indicated total dollar amount \$380,784.00, which represents the above indicated total percentage 6 % for the contract amount \$6302318.17

(Signature of affiant) 3/20/12 (Date)

Subscribed and sworn to before me this 20 day of March, 2012 (Notary's Signature)



**SUBCONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS**

(Section 6)

To Contractor:

Date: 3/1/2012
Project Number: 95W660601 RP
Project Name Wentworth Ave

1. The undersigned, having executed a contract with Lake County Cartage, Inc.
(Contractor)

_____ for Trucking
Nature of Work)

_____ in the amount of \$ 380,784.00 in the construction of the above-identified project,
certifies that:

- (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
 - (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
 - (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.
2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on _____
(Date)

4. He certifies that:

- (a) The legal name and the business address of the undersigned are: Lake County Cartage, Inc.
879 Joliet St., #210
Dyer, In 46311
- (b) The undersigned is (check one):
 Sole Proprietorship
 Partnership
 Corporation
 Other Organization (Describe)

(c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
<u>Michele Dolci</u>	<u>President</u>	<u>9385 Julia Dr.</u> <u>St. John, IN 46373</u>
_____	_____	_____
_____	_____	_____

DATE 3/1/12

SUBCONTRACTOR
Michele Dolci
SIGNATURE



Illinois Department of Transportation

Office of Business & Workforce Diversity
2300 South Dirksen Parkway / Springfield, Illinois 62764

October 12, 2011

CERTIFIED-RETURN RECEIPT REQUESTED

Ms. Michele L. Dolci
Lake County Cartage, Inc.
879 Joliet St., #210
Dyer, IN 46311

Dear Ms. Dolci:

The Illinois Department of Transportation (IDOT) has approved the "No Change Affidavit" for Lake County Cartage, Inc. and determined that the firm continues to meet DBE eligibility standards to perform work towards DBE goals.

In order to remain certified and in good standing, you must annually submit a No Change Affidavit. IDOT will send an affidavit form 60 days prior to the firm's next anniversary date.

Should the submitted information change, you are required to notify IDOT's Bureau of Small Business Enterprises (bureau) within 30 days of the change.

Note: Pursuant to 49 CFR Part 26.83(l), whenever there are any changes in circumstances affecting your firm's eligibility status, your firm must provide written notification to IDOT within 30 days of the occurrence of the change. If you fail to make timely notification, it may result in the loss of your firm's certification.

If you have any questions, please contact the Bureau of Small Business Enterprises at 217/782-5490.

Sincerely,

A handwritten signature in black ink, appearing to read "Debra A. Clark".

Debra A. Clark, Manager
Certification Section
Small Business Enterprises

CCHD WENTWORTH AVENUE

Chicago Structures LLC

306 W. Campus Drive, Unit C

Arlington Heights, IL 60004

Contact: Sue Samson

Phone: (847) 670-5534

Fax: (847) 670-5536

Quote To:

Phone:

Fax:

Job Name:

Date of Plans:

Revision Date:

95-W6606-01-FP

ADDENDUM 1

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
196	BAR SPICERS (SEE BELOW)	36.00	EACH		
197	CONCRETE BOX CULVERTS	13.00	CUYD	2,323.00	30,199.00
201	JUNCTION CHAMBER	1.00	EACH	99,087.00	99,087.00
204	REINFORCEMENT BARS, EPOXY COATED	2,440.00	POUN	2.00	4,880.00
208	TEMPORARY SHEET PILING	2,036.00	SQFT	48.80	99,356.80
209	TEMPORARY SOIL RETENTION SYSTEM	45.00	SQFT	31.20	1,404.00
GRAND TOTAL					\$234,926.80

NOTES:

No traffic control, layout, bonds, permits, fees, utility relocation or protection, hazardous or special waste.

No excavation, backfill or dewatering.

Bar splicers need to be cast into the precast box culvert, we will install the male ends furnished by the precaster. Add \$12.00 each if we must furnish the splicers.

Temporary Sheet PILING and Temporary Soil Retention may be deleted from our scope of work.

DBE forms attached. Good luck with your bid.

COOK COUNTY LETTER OF INTENT
(Section 2)

FROM DBE TO PERFORM AS SUBCONTRACTOR, SUPPLIER AND/OR CONSULTANT

Contract Title & Number: Wentworth Ave Section, NO. 95-W66 06-01-FP

From: CHICAGO STRUCTURES LLC (DBE Firm)

To: RAY EDWARDS CONTRACTORS (Bidder/Proposer Firm) and the County of Cook

The Undersigned is prepared to provide the following services, supplies and project in connection with the above named contract (the "Contract"); Each service performed and /or item supplied will be detailed under Description of Service/Supply and Project with all services/items totaled under Fee/Cost to equal the full dollar amount of the Letter of Intent. This form must be completed for each disadvantaged business participating in the Utilization Plan. Attach this form to the Utilization Plan form. If additional space is needed, complete an additional form for the firm.

Pay Item No.	Description	Quantity	Fee/Cost	
196	Bar Splicers	36 ea	\$ incidental	%
197	Conc Box Cull	13 cy	\$ 2325-	%
201	Junc Chamb	1 ea	\$ 99081-	%
204	Rebar, Epoxy	2440#	4880-	
208	Temp Sht Pile	2036 sf	99350 ⁸⁰	
209	Temp Sht Ret S	45 sf	1404-	
			Total: \$ 234,926 ⁸⁰	%

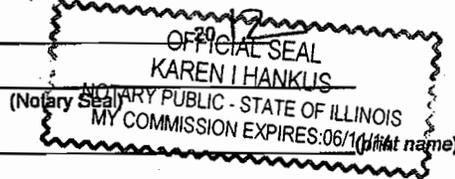
THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement conditioned upon the Bidder/Proposer's receipt of a signed contract from the County of Cook. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/Supply and Fee/Cost were completed.

Upon Penalty of perjury, I SUSAN SAMSON (print name) the PRESIDENT (title) and duly authorized representative of the CHICAGO STRUCTURES LLC (DBE firm) affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplies/performed for the above indicated total dollar amount \$ 234,926⁸⁰ which represents the above indicated total percentage _____ % for the contract amount \$ _____

[Signature] (Signature of affiant) 3 12 01 12 (Date)

Subscribed and sworn to before me this 20th day of MARCH

[Signature] (Notary's Signature)

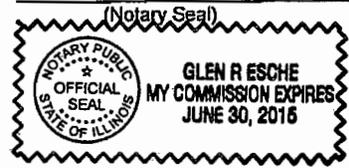


Upon penalty of perjury, Jeffrey L. Kolmodin the Vice-President (title) and duly authorized representative of Gallagher Asphalt Corporation (Bidder Proposer firm), affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplied/performed for the above indicated total dollar amount \$ 234,926⁸⁰ which represents the above indicated total percentage 3.8 % for the contract amount \$ 6,302,318.17

[Signature] (Signature of affiant) 3 12 01 12 (Date)

Subscribed and sworn to before me this 20th day of March, 20 12

[Signature] (Notary's Signature)



**SUBCONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS**
(Section 6)

To Contractor:

Date: 3/19/12
Project Number: 95-76606-01-RP
Project Name Wentworth Ave

1. The undersigned, having executed a contract with RAY EDWARDS CONTRACTORS
(Contractor)
_____ for JUNCTION CHAMBER/CULVERTS
Nature of Work)
_____ in the amount of \$ 234,926.80 in the construction of the above-identified project,
certifies that:

- (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
- (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
- (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.

2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on T/B/D per project schedule
(Date)

4. He certifies that:

(a) The legal name and the business address of the undersigned are:

(b) The undersigned is (check one):
 Sole Proprietorship
 Partnership LLC
 Corporation
 Other Organization (Describe)

(c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
<u>SUSAN SAMSON,</u>	<u>Pras,</u>	<u>819 Forest, Evanston, IL 60202</u>
<u>GLETSCHER,</u>	<u>VP,</u>	<u>400 Kay St, Crystal Lake,</u>

DATE 03-20-12

SUBCONTRACTOR
[Signature]
SIGNATURE



Illinois Department of Transportation

Office of Business & Workforce Diversity
2300 South Dirksen Parkway / Springfield, Illinois 62764

February 23, 2011

CERTIFIED-RETURN RECEIPT REQUESTED

Ms. Susan Samson
Chicago Structures LLC
306 W. Campus Dr., Unit C
Arlington Heights, IL 60004

Dear Ms. Samson:

This is written notification that the Illinois Department of Transportation's (IDOT) Bureau of Small Business Enterprises has revised your work categories after reviewing and approving your request of February 1, 2011. As of the date of this letter, your approved categories will be:

- Demolition
- Excavating & Grading
- Bridges
- Curb & Gutter, Sidewalks
- Miscellaneous Concrete
- Installation Pavement, Brick & Precast Retaining Walls
- Drainage

The IL UCP DBE Directory will reflect the revised categories. If you have any questions or require additional information, please contact this agency at (217) 782-5490.

Sincerely,

A handwritten signature in black ink, appearing to read 'Debra A. Clark'.

Debra A. Clark, Manager
Certification Section
Bureau of Small Business Enterprises



Illinois Department of Transportation

Chicago Structures LLC

is hereby certified as a

Disadvantaged Business Enterprise

This certificate is valid under current firm ownership and operational control only and supercedes any authorization or listing previously issued.

Handwritten signature of Gary Hannig.

Gary Hannig
Secretary

Illinois Department of Transportation

Handwritten signature of Carol Lyle.

Carol Lyle
Bureau Chief

Bureau of Small Business Enterprises

Effective the 27th day of July, 2010



COOK COUNTY DEPARTMENT OF HIGHWAYS
DBE Participation Statement

Subcontractor Registration Number * _____

Letting FEB. 15, 2012

Participation Statement

Item No. _____

(1) Instructions

Contract No. 95-W4606-01 FP

This form must be completed for each disadvantaged business participating in the Utilization Plan. This form shall be submitted in accordance with the special provision and will be attached to the Utilization Plan form. If additional space is needed complete an additional form for the firm.

(2) Work

Pay Item No.	Description	Quantity	Unit Price	Total
216	SURVEY MONUMENTS	1	2350.00	2350.00
224	SURVEY LIGHT STANDS SURVEY CONTROL	1	22000.00	22000.00
	9 CENTERLINE ROYAL STATIONS	1	1050.00	1050.00
Total				25400.00

(3) Partial Payment Items

For any of the above items which are partial pay items, specifically describe the work and subcontract dollar amount:

(4) Commitment

The undersigned certify that the information included herein is true and correct, and that the DBE firm listed below has agreed to perform a commercially useful function in the work of the contract item(s) listed above and to execute a contract with the prime contractor. ~~The undersigned further understand that no changes to this statement may be made without prior approval from the Cook County Highway Department and that complete and accurate information regarding actual work performed on this project and the payment therefore must be provided to the Department.~~

Jih
Signature for Prime Contractor

Thomas Puchala
Signature for DBE Firm

Title VP

Title CHIEF LAND SURVEYOR

Date 2/15/12

Date 2-10-2012

Contact Person JEFF KALNOSKI

Contact Person TOM MICHALAK

Phone 708 877 7160

Phone 312 591 9780

Firm Name GALLAGHER ASPHALT

Firm Name STRUCTURE DESIGNS, INC

Address 18100 S INDIANA AVE

Address 309 W. WASHINGTON ST. SUITE 325

City/State/Zip THORNTON IL 60476

City/State/Zip CHICAGO, IL 60606

The Cook County Highway Department is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under the state and federal law. Disclosure of this information is MANDATED. Failure to provide any information will result in the contract not being awarded. This form has been approved by the State Finance Management Center.

* NO REGISTRATION NUMBER FOR ENGINEERING CONSULTANTS.



**COOK COUNTY DEPARTMENT OF HIGHWAYS
DBE Utilization Plan**

Subcontractor Registration Number Prequalified Design Firm

Letting 2/15/12

Participation Statement

Item No. 95-W6606-01-FP

(1) Instructions

Contract No. _____

This form must be completed for each disadvantaged business participating in the Utilization Plan. This form shall be submitted in accordance with the special provision and will be attached to the Utilization Plan form. If additional space is needed complete an additional form for the firm.

(2) Work

Pay Item No.	Description	Quantity	Unit Price	Total
216	Survey Monuments	1	LS	\$2,350.00
224	Survey Layout Stakes, Control	1	LS	\$22,000.00
	CL Restake Stations	1	LS	\$1,050.00
Total				\$25,400.00

(3) Partial Payment items

For any of the above items which are partial pay items, specifically describe the work and subcontract dollar amount:

(4) Commitment

The undersigned certify that the information included herein is true and correct, and that the DBE firm listed below has agreed to perform a commercially useful function in the work of the contract item(s) listed above and to execute a contract with the prime contractor. The undersigned further understand that no changes to this statement may be made without prior approval from the Cook County Highway Department and that complete and accurate information regarding actual work performed on this project and the payment therefore must be provided to the Department.

[Signature]
Signature for Prime Contractor

Title Vice-President

Date 3/19/12

Contact Person Jeffrey L. Kolmodin

Phone 708-877-7160

Firm Name Gallagher Asphalt Corp.

Address 18100 South Indiana Ave

City/State/Zip Thornton, IL 60476

[Signature]
Signature for DBE Firm

Title President

Date 3/20/2012

Contact Person Olufemi Oladeinde

Phone 312-551-9780

Firm Name Structure Designs, Inc.

Address 309 W. Washington, Ste. 325

City/State/Zip Chicago, IL 60606

The Cook County Highway Department is providing this form as a public service. It is not intended to be used as a contract. The information provided on this form is for informational purposes only. The Department is not responsible for the accuracy of the information provided. The information provided on this form is for informational purposes only. The Department is not responsible for the accuracy of the information provided.

E _____
WC _____

COOK COUNTY LETTER OF INTENT
(Section 2)

FROM DBE TO PERFORM AS SUBCONTRACTOR, SUPPLIER AND/OR CONSULTANT

Contract Title & Number: Wentworth Ave Section, NO. 95-W66 06-01-FP

From: Structure Designs, Inc. (DBE Firm)

To: Gallagher Asphalt (Bidder/Proposer Firm) and the County of Cook

The Undersigned is prepared to provide the following services, supplies and project in connection with the above named contract (the "Contract"): Each service performed and /or item supplied will be detailed under Description of Service/Supply and Project with all services/items totaled under Fee/Cost to equal the full dollar amount of the Letter of Intent. This form must be completed for each disadvantaged business participating in the Utilization Plan. Attach this form to the Utilization Plan form. If additional space is needed, complete an additional form for the firm.

Pay Item No.	Description	Quantity	Fee/Cost		
216	Survey Monuments	1	\$ 2,350.00	100	%
224	Survey Layout Stakes and Control	1	\$ 22,000.00	100	%
			\$		%
	CL Restake Stations	1	\$1,050.00	100	%
			Total: \$ 25,400.00	100	%

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement conditioned upon the Bidder/Proposer's receipt of a signed contract from the County of Cook. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/Supply and Fee/Cost were completed.

Upon Penalty of perjury, I Olufemi Oladeinde

(name) the President (title) and duly authorized representative of the Structure Designs, Inc. (DBE firm)

affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplied/performed for the above indicated total dollar amount \$ 25,400.00 which represents the above indicated total percentage 100 % for the contract amount \$ 25,400.00

[Signature] (Signature of affiant) 03 / 20 / 2012 (Date)

Subscribed and sworn to before me this 20th day of March, 20 12
[Signature] (Notary's Signature) (Notary Seal)



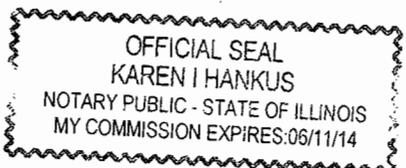
Upon penalty of perjury, Jeffrey L. Kolmodin (print name)

the Vice-President (title) and duly authorized representative of Gallagher Asphalt Corporation (Bidder Proposer firm),

affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplied/performed for the above indicated total dollar amount \$ 25,400.00 which represents the above indicated total percentage .4 % for the contract amount \$ 6,302,318.17

[Signature] (Signature of affiant) 3 / 21 / 12 (Date)

Subscribed and sworn to before me this 20th day of March, 20 12
[Signature] (Notary's Signature) (Notary Seal)





STRUCTURE DESIGNS, INCORPORATED

309 W. Washington St., Suite 325, Chicago, IL 60606 ♦ Ph.:(312) 551-9780 ♦ Fax:(312) 551-9784

February 8, 2012

Mr. Mike Brunke
Gallagher Asphalt
18100 South Indiana Ave.
Thornton, IL. 60476

Phone: 708-877-7160
Fax: 708-877-5222

Re: Cook County Highway Dept. Wentworth Ave., Glenwood-Lansing Rd. to Ridge Rd.
Lansing, IL.
CCHD Bid (Section) No.: 95-W6606-01-FP
Proposal for Survey Services

Dear Mr. Brunke:

We are pleased to provide our proposal for Land Surveying Services for the above mentioned project. Structure Designs, Inc. (SDI) will provide all necessary calculations and layout based upon plans and specifications for placement of the following improvements:

Item 224	Construction Layout Stakes and Survey Control Points	\$22,000.00
	(Including layout for temporary by-pass pavement, sub grade, curb, drainage structures, signal poles, sheet pile, box culvert, junction chamber and wing walls)	
Item 216	Survey Monuments (4)	\$ 2,350.00
Separate	Centerline Restaking for CCHD	<u>\$ 1,050.00</u>
	Total	\$25,400.00

These items will be synchronized with your construction schedule, upon your authorization to proceed. The amount for the construction staking services provided are for the first time that stakes are set. Any restaking will be at the field crew's hourly rate (\$150 per hour). Please note that this proposal is limited to the scope and fee listed above. Any additional services will be at the field crew's hourly rate (\$150 per hour).

Structure Designs, Inc. is certified under the Illinois Unified Certification Program (IL UCP – No: 52-214) as a **DBE** firm. In addition, Structure Designs, Inc. is certified by the City of Chicago and Cook County as an **MBE** firm. We are also certified as an 8(a)/SDB firm under the U.S. Small Business Administration.

Structure Designs, Inc. is a professional corporation (Illinois Design Firm No: 184-004171) and our technicians work under the direction of a Registered Illinois Professional Land Surveyor for all Land Surveying Services. SDI is prequalified with the Illinois Department of Transportation (IDOT) as a consultant in Surveying.

Structure Designs, Inc. is pleased to submit this proposal, and it is good for thirty days. Please do not hesitate to contact us at 312-551-9780 if you have any questions or concerns.



STRUCTURE DESIGNS, INCORPORATED

309 W. Washington St., Suite 325, Chicago, IL 60606 ♦ Ph.: (312) 551-9780 ♦ Fax: (312) 551-9784

do not hesitate to contact us at 312-551-9780 if you have any questions or concerns.

Sincerely,

STRUCTURE DESIGNS, INC.

A handwritten signature in black ink, reading "Thomas J. Michalak".

Thomas J. Michalak, PLS
Chief Land Surveyor
Phone: (312) 551-9780
Fax: (312) 551-9784

Encl: CCHD DBE Utilization Plan
Cook County Letter of Intent from DBE to Perform as Subcontractor
Subcontractor's Certificate Re: Labor Standards & Prevailing Wage Requirements



Letting Date: February 15, 2012

Item:

Contract: Wentworth Ave.

Item No.	Description	Qty	Unit	Unit Price	Ext.
132	Conduit in T 2" Galv	545	FT	13.00	7,085.00
133	Conduit in T 2 1/2" Galv	106	FT	15.00	1,590.00
134	Conduit in T 4" Galv	18	FT	19.00	342.00
135	Conduit Pushed 4" Galv	233	FT	23.00	5,359.00
136	Handhole	5	EA	1,600.00	8,000.00
137	HD Handhole	2	EA	1,680.00	3,360.00
138	Double Handhole	1	EA	2,210.00	2,210.00
139	Trench & Back fill for Elec Work	669	FT	4.00	2,676.00
140	Maint of EX TS Install	3	EA	1,600.00	4,800.00
141	Full Actuated Cont & TY IV Cab	1	EA	24,120.00	24,120.00
142	EC C 14 3C	307	FT	1.55	475.85
143	EC C 14 5C	1560	FT	1.70	2,652.00
144	EC C 14 7C	560	FT	2.00	1,120.00
145	EC C Lead 14 1 PR	1057	FT	1.50	1,585.50
146	EC C 6 2C	2605	FT	4.00	10,420.00
147	EC C 20 3C TW SH	307	FT	2.00	614.00
148	TS Post, Galv 14'	3	EA	1,140.00	3,420.00
149	TS Post, Galv 16'	1	EA	1,200.00	1,200.00
150	SMAAP 24'	1	EA	4,900.00	4,900.00
151	SMAAP 30'	1	EA	5,200.00	5,200.00
152	SMAAP 36'	1	EA	6,100.00	6,100.00
153	SMAAP 50'	1	EA	7,300.00	7,300.00
154	Concrete Foundation, TY A	20	FT	85.00	1,700.00
155	Concrete Foundation, TY C	4	FT	315.00	1,260.00
156	Concrete Foundation, TY E 30"	10	FT	145.00	1,450.00
157	Concrete Foundation, TY E 36"	45	FT	190.00	8,550.00
158	SH LED 1F 3S MAM	2	EA	1,012.00	2,024.00
159	SH LED 1F 3S BM	6	EA	990.00	5,940.00
160	SH LED 1F 5S BM	2	EA	1,400.00	2,800.00
161	SH LED 1F 5S MAM	2	EA	1,460.00	2,920.00
162	TS Backplate, Louvered Alum	8	EA	120.00	960.00
163	Inductive Loop Det	6	EA	188.00	1,128.00
164	Detector Loop, TY I	546	FT	12.00	6,552.00
165	Light Detector	2	EA	990.00	1,980.00
166	Light Detector Amp	1	EA	1,720.00	1,720.00
167	Service Install PM	1	EA	1,420.00	1,420.00
168	Relocate Ex Light Standard & Lum Complete in	2	EA	3,100.00	6,200.00
169	Temp TS Install	1	EA	31,000.00	31,000.00
170	Remove Ex TS Equipment	1	EA	3,200.00	3,200.00
171	Remove Ex HH	5	EA	420.00	2,100.00
172	Remove EX Concrete Fnd	10	EA	560.00	5,600.00
176	Uninterruptable Power Supply	1	EA	7,100.00	7,100.00
182	EC C Grounding 6 1C	466	FT	2.00	932.00
218	Solar Flashing Beacon System	2	EA	4,500.00	9,000.00

Total: \$210,065.35

Certified DBE

Sheet 1 of 1

2/14/2012 3:15 PM

COOK COUNTY LETTER OF INTENT
(Section 2)

FROM DBE TO PERFORM AS SUBCONTRACTOR, SUPPLIER AND/OR CONSULTANT

Contract Title & Number: Wentworth Ave. / 95-W6606-01-RP (12-28-017)
From: Hawk Enterprises, Inc. (DBE Firm)
To: _____ (Bidder/Proposer Firm) and the County of Cook

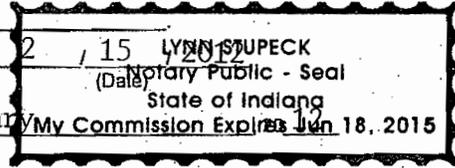
The Undersigned is prepared to provide the following services, supplies and project in connection with the above named contract (the "Contract"): Each service performed and /or item supplied will be detailed under Description of Service/Supply and Project with all services/items totaled under Fee/Cost to equal the full dollar amount of the Letter of Intent. This form must be completed for each disadvantaged business participating in the Utilization Plan. Attach this form to the Utilization Plan form. If additional space is needed, complete an additional form for the firm.

Pay Item No.	Description	Quantity	Fee/Cost
			\$ _____ %
	See Attached		\$ _____ %
			\$ _____ %
			\$ _____ %
			\$ _____ %
			\$ _____ %
Total:			\$ 210,065.35 100 %

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement conditioned upon the Bidder/Proposer's receipt of a signed contract from the County of Cook. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/Supply and Fee/Cost were completed.

Upon Penalty of perjury, I Johanna Plank (print name) the President (title) and duly authorized representative of the Hawk Enterprises, Inc. (DBE firm) affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplied/performed for the above indicated total dollar amount \$ 210,065.35 which represents the above indicated total percentage _____ % for the contract amount \$ _____

Johanna Plank
(Signature of affiant)



Subscribed and sworn to before me this 15th day of February
(Notary's Signature)

Upon penalty of perjury, JEFFREY L KAMMIN (print name), the VICE-PRESIDENT (title) and duly authorized representative of CALLAGHAN ASPHALT CORPORATION (Bidder/Proposer firm),

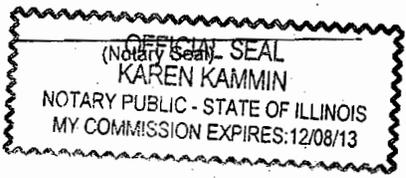
affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplied/performed for the above indicated total dollar amount \$ 210,065.35 which represents the above indicated total percentage 3.3 % for the contract amount \$ 6,302,318.17

[Signature]
(Signature of affiant)

3 / 20 / 12
(Date)

Subscribed and sworn to before me this 20 day of March, 2012

[Signature]
(Notary's Signature)





Letting Date: February 15, 2012

Item:

Contract: Wentworth Ave.

Item No.	Description	Qty	Unit	Unit Price	Ext.
132	Conduit in T 2" Galv	545	FT	13.00	7,085.00
133	Conduit in T 2 1/2" Galv	106	FT	15.00	1,590.00
134	Conduit in T 4" Galv	18	FT	19.00	342.00
135	Conduit Pushed 4" Galv	233	FT	23.00	5,359.00
136	Handhole	5	EA	1,600.00	8,000.00
137	HD Handhole	2	EA	1,680.00	3,360.00
138	Double Handhole	1	EA	2,210.00	2,210.00
139	Trench & Back fill for Elec Work	669	FT	4.00	2,676.00
140	Maint of EX TS Install	3	EA	1,600.00	4,800.00
141	Full Actuated Cont & TY IV Cab	1	EA	24,120.00	24,120.00
142	EC C 14 3C	307	FT	1.55	475.85
143	EC C 14 5C	1560	FT	1.70	2,652.00
144	EC C 14 7C	560	FT	2.00	1,120.00
145	EC C Lead 14 1 PR	1057	FT	1.50	1,585.50
146	EC C 6 2C	2605	FT	4.00	10,420.00
147	EC C 20 3C TW SH	307	FT	2.00	614.00
148	TS Post, Galv 14'	3	EA	1,140.00	3,420.00
149	TS Post, Galv 16'	1	EA	1,200.00	1,200.00
150	SMAAP 24'	1	EA	4,900.00	4,900.00
151	SMAAP 30'	1	EA	5,200.00	5,200.00
152	SMAAP 36'	1	EA	6,100.00	6,100.00
153	SMAAP 50'	1	EA	7,300.00	7,300.00
154	Concrete Foundation, TY A	20	FT	85.00	1,700.00
155	Concrete Foundation, TY C	4	FT	315.00	1,260.00
156	Concrete Foundation, TY E 30"	10	FT	145.00	1,450.00
157	Concrete Foundation, TY E 36"	45	FT	190.00	8,550.00
158	SH LED 1F 3S MAM	2	EA	1,012.00	2,024.00
159	SH LED 1F 3S BM	6	EA	990.00	5,940.00
160	SH LED 1F 5S BM	2	EA	1,400.00	2,800.00
161	SH LED 1F 5S MAM	2	EA	1,460.00	2,920.00
162	TS Backplate, Louvered Alum	8	EA	120.00	960.00
163	Inductive Loop Det	6	EA	188.00	1,128.00
164	Detector Loop, TY I	546	FT	12.00	6,552.00
165	Light Detector	2	EA	990.00	1,980.00
166	Light Detector Amp	1	EA	1,720.00	1,720.00
167	Service Install PM	1	EA	1,420.00	1,420.00
168	Relocate Ex Light Standard & Lum Complete in	2	EA	3,100.00	6,200.00
169	Temp TS Install	1	EA	31,000.00	31,000.00
170	Remove Ex TS Equipment	1	EA	3,200.00	3,200.00
171	Remove Ex HH	5	EA	420.00	2,100.00
172	Remove EX Concrete Fnd	10	EA	560.00	5,600.00
176	Uninterruptable Power Supply	1	EA	7,100.00	7,100.00
182	EC C Grounding 6 1C	466	FT	2.00	932.00
218	Solar Flashing Beacon System	2	EA	4,500.00	9,000.00

Total:

\$210,065.35

Certified DBE

Sheet 1 of 1

2/14/2012 3:15 PM

**SUBCONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS**

(Section 6)

To Contractor:

Date: February 15, 2012
Project Number: 95-W6606-01-RP
Project Name Wentworth Ave.

1. The undersigned, having executed a contract with _____
(Contractor)
_____ for Electrical Work
Nature of Work)
- _____ in the amount of \$ 210,065.35 in the construction of the above-identified project, certifies that:
- (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
- (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
- (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.
2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.
3. The workmen will report for duty on TBD
(Date)
4. He certifies that:
- (a) The legal name and the business address of the undersigned are:
- (b) The undersigned is (check one):
 Sole Proprietorship
 Partnership
 Corporation
 Other Organization (Describe)
- (c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS

<u>Johanna Plank, President, 3200 E. 145th Ave. Crown Point, IN</u>		

DATE 2-15-2012

SUBCONTRACTOR

X 
SIGNATURE

Letting Date: February 15, 2012

Item:

Contract: Wentworth Ave.



Item No.	Description	Qty	Unit	Unit Price	Ext.
132	Conduit in T 2" Galv	545	FT	13.00	7,085.00
133	Conduit in T 2 1/2" Galv	106	FT	15.00	1,590.00
134	Conduit in T 4" Galv	18	FT	19.00	342.00
135	Conduit Pushed 4" Galv	233	FT	23.00	5,359.00
136	Handhole	5	EA	1,600.00	8,000.00
137	HD Handhole	2	EA	1,680.00	3,360.00
138	Double Handhole	1	EA	2,210.00	2,210.00
139	Trench & Back fill for Elec Work	669	FT	4.00	2,676.00
140	Maint of EX TS Install	3	EA	1,600.00	4,800.00
141	Full Actuated Cont & TY IV Cab	1	EA	24,120.00	24,120.00
142	EC C 14 3C	307	FT	1.55	475.85
143	EC C 14 5C	1560	FT	1.70	2,652.00
144	EC C 14 7C	560	FT	2.00	1,120.00
145	EC C Lead 14 1 PR	1057	FT	1.50	1,585.50
146	EC C 6 2C	2605	FT	4.00	10,420.00
147	EC C 20 3C TW SH	307	FT	2.00	614.00
148	TS Post, Galv 14'	3	EA	1,140.00	3,420.00
149	TS Post, Galv 16'	1	EA	1,200.00	1,200.00
150	SMAAP 24'	1	EA	4,900.00	4,900.00
151	SMAAP 30'	1	EA	5,200.00	5,200.00
152	SMAAP 36'	1	EA	6,100.00	6,100.00
153	SMAAP 50'	1	EA	7,300.00	7,300.00
154	Concrete Foundation, TY A	20	FT	85.00	1,700.00
155	Concrete Foundation, TY C	4	FT	315.00	1,260.00
156	Concrete Foundation, TY E 30"	10	FT	145.00	1,450.00
157	Concrete Foundation, TY E 36"	45	FT	190.00	8,550.00
158	SH LED 1F 3S MAM	2	EA	1,012.00	2,024.00
159	SH LED 1F 3S BM	6	EA	990.00	5,940.00
160	SH LED 1F 5S BM	2	EA	1,400.00	2,800.00
161	SH LED 1F 5S MAM	2	EA	1,460.00	2,920.00
162	TS Backplate, Louvered Alum	8	EA	120.00	960.00
163	Inductive Loop Det	6	EA	188.00	1,128.00
164	Detector Loop, TY I	546	FT	12.00	6,552.00
165	Light Detector	2	EA	990.00	1,980.00
166	Light Detector Amp	1	EA	1,720.00	1,720.00
167	Service Install PM	1	EA	1,420.00	1,420.00
168	Relocate Ex Light Standard & Lum Complete in j	2	EA	3,100.00	6,200.00
169	Temp TS Install	1	EA	31,000.00	31,000.00
170	Remove Ex TS Equipment	1	EA	3,200.00	3,200.00
171	Remove Ex HH	5	EA	420.00	2,100.00
172	Remove EX Concrete Fnd	10	EA	560.00	5,600.00
176	Uninterruptable Power Supply	1	EA	7,100.00	7,100.00
182	EC C Grounding 6 1C	466	FT	2.00	932.00
218	Solar Flashing Beacon System	2	EA	4,500.00	9,000.00

Total: \$210,065.35

Certified DBE

Sheet 1 of 1

2/14/2012 3:15 PM

COOK COUNTY LETTER OF INTENT
(Section 2)

FROM DBE TO PERFORM AS SUBCONTRACTOR, SUPPLIER AND/OR CONSULTANT

Contract Title & Number: Wentworth Ave. / 95-W6606-01-RP (12-28-017)

From: Hawk Enterprises, Inc. (DBE Firm)

To: _____ (Bidder/Proposer Firm) and the County of Cook

The Undersigned is prepared to provide the following services, supplies and project in connection with the above named contract (the "Contract"): Each service performed and /or item supplied will be detailed under Description of Service/Supply and Project with all services/items totaled under Fee/Cost to equal the full dollar amount of the Letter of Intent. This form must be completed for each disadvantaged business participating in the Utilization Plan. Attach this form to the Utilization Plan form. If additional space is needed, complete an additional form for the firm.

Pay Item No.	Description	Quantity	Fee/Cost	
			\$	%
	See Attached		\$	%
			\$	%
			Total: \$ 210,065.35	100 %

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement conditioned upon the Bidder/Proposer's receipt of a signed contract from the County of Cook. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/Supply and Fee/Cost were completed.

Upon Penalty of perjury, I Johanna Plank (print name)

name) the President (title) and duly authorized

representative of the Hawk Enterprises, Inc. (DBE

firm) affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplied/performed for the above indicated total dollar amount \$ 210,065.35 which represents the above indicated total percentage _____ % for the contract amount \$ _____

Johanna Plank
(Signature of affiant)

2 / 15 / 2012
(Date)

Subscribed and sworn to before me this 15th day of February, 2012

(Notary's Signature)

(Notary Seal)

Upon penalty of perjury, JEFFREY L KOLMODIN (print name),

the VP (title) and duly authorized

representative of CALLAGHAN ASHANT (Bidder/Proposer firm),

affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplied/performed for the above indicated total dollar amount \$ 210,065.35 which represents the above indicated total percentage 13.3 % for the contract amount \$ 6,302,318.17

JL Kolmodin
(Signature of affiant)

2 / 15 / 12
(Date)

Subscribed and sworn to before me this 15th day of February, 2012

Karen Hankus
(Notary's Signature)



**Good Faith Efforts Contacts Log for Soliciting
DBE Subcontractor or Supplier Participation
(Please duplicate as needed)**

Use this form to document all contacts and responses (telephone, e-mail, fax, etc.) regarding the solicitation of subconsultants, subcontractors and suppliers. Duplicate as needed. (It is not necessary to show contacts with which the Vendor reached an agreement to participate on this project, as shown on the DBE Utilization Plan.)

Name of DBE Subcontractor/Supplier: SEE ATTACHED

Contact Person: _____ Title: _____

Address: _____

E mail: _____ Telephone No: _____

Date of contract: _____ Method of contact: _____

Scope of work solicited: _____

Reason agreement was not reached: _____

Name of DBE Subcontractor/Supplier: _____

Contact Person: _____ Title: _____

Address: _____

E mail: _____ Telephone No: _____

Date of contract: _____ Method of contact: _____

Scope of work solicited: _____

Reason agreement was not reached: _____

Name of DBE Subcontractor/Supplier: _____

Contact Person: _____ Title: _____

Address: _____

E mail: _____ Telephone No: _____

Date of contract: _____ Method of contact: _____

Scope of work solicited: _____

Reason agreement was not reached: _____



SITE GENERAL CONTRACTORS
ASPHALT PAVING MIXTURES
PAVING CONTRACTORS

18100 South Indiana Ave
Thornton, IL 60476
Phone #: (708) 877-7160
Fax #: (708) 877-5222
www.gallagherasphalt.com

February 6, 2012

Dear Sir or Madam:

Cook County Highway Department - February 15, 2012 Bid Letting

Gallagher Asphalt Corporation is an asphalt paving contractor committed to utilizing IDOT-certified DBE companies to perform work on roadway construction projects in categories such as aggregate bases, asphalt paving, concrete, earth work, drainage, electrical, excavation, fencing, guardrail, landscaping, pavement marking, and various other categories of work which may be required.

Gallagher will be providing a bid to the Cook County Highway Department on the following project in the letting scheduled for February 15, 2011. We would appreciate your assistance in identifying IDOT-certified DBE firms which would be interested in providing quotations for work on these and future projects for the State of Illinois.

Wentworth Avenue - Ridge Road to Glenwood-Lansing Road - Lansing - Section95-W6606-01-RP

Additional information for these projects, including plans and specifications, are located at Cook Counties website <http://www.cookcounty.gov/portal/server.pt/community/people/224/businesses>

Your assistance in this matter is greatly appreciated. Thank you.

Sincerely,

GALLAGHER ASPHALT CORPORATION

Jeffrey L. Kolmodin
Vice President, Estimating

Mike Brunke

From: fax@gallagherasphalt.com
Sent: Tuesday, February 07, 2012 3:57 PM
To: Mike Brunke
Subject: Fax was not successfully sent to 32 recipients. Canceled: 0 recipient(s). Failed: 7 recipient(s).
Attachments: Fax.Tif

Fax was not successfully sent to 32 recipients. Canceled: 0 recipient(s). Failed: 7 recipient(s).

Fax submitted: 2:46:02 PM

To server: GACO1

Number of pages: 1

The fax was successfully sent to the following recipients: Recipient name	Recipient number	Transmission start	Transmission end	Retries
Alliance of Business Leaders & Entrepreneurs (ABLE) (Business Fax)	+1 (773) 493-9881	2:48:02 PM	2:49:01 PM	0
Alliance of Business Leaders & Entrepreneurs (Business Fax)	+1 (312) 275-7841	2:49:01 PM	2:49:47 PM	0
Asian American Small Business Association (Business Fax)	+1 (773) 545-5449	2:49:47 PM	2:50:43 PM	0
Association of Asian Construction Enterprises (Business Fax)	+1 (312) 666-1785	2:50:43 PM	2:51:40 PM	0
Chatham Business Association (Business Fax)	+1 (773) 994-9871	2:51:40 PM	2:53:03 PM	0
Chicago Minority Business Development Council (CMBDC) (Business Fax)	+1 (312) 755-8890	2:53:03 PM	2:54:26 PM	0
Chicago Urban League (Business Fax)	+1 (773) 451-3549	2:54:26 PM	2:55:29 PM	0
Coalition for United Community Action (Business Fax)	+1 (312) 225-6742	2:55:52 PM	2:57:27 PM	0
College of DuPage SBDC (Business Fax)	+1 (630) 505-4931	2:58:43 PM	2:59:52 PM	0
Cosmopolitan Chamber of Commerce (Business Fax)	+1 (312) 701-0095	2:59:52 PM	3:01:06 PM	0
Federation of Women Contractors (Business Fax)	+1 (312) 360-0239	3:01:06 PM	3:02:07 PM	0
Hispanic American Construction Industry Association (HACIA) (Business Fax)	+1 (312) 666-5692	3:02:07 PM	3:03:41 PM	0
Industrial Council of Northwest Chicago (Business Fax)	+1 (312) 421-1871	3:03:56 PM	3:05:17 PM	0
Latin American Chamber of Commerce (Business Fax)	+1 (773) 252-	3:05:17 PM	3:06:26 PM	0

Fax)	7065			
Latino Technology Association (Business Fax)	+1 (847) 620-2910	3:06:26 PM	3:07:12 PM	0
Little Village 26th Street Area Chamber of Commerce (Business Fax)	+1 (773) 521-5252	3:07:12 PM	3:08:18 PM	0
National Association of Women Business Owners (Business Fax)	+1 (312) 644-8557	3:08:18 PM	3:09:09 PM	0
North Business Industrial Council PTAC (Business Fax)	+1 (773) 594-9416	3:09:09 PM	3:10:09 PM	0
North River Commission/LADCOR (Business Fax)	+1 (773) 478-0282	3:10:09 PM	3:11:19 PM	0
Project P. R. I. D. E. (Business Fax)	+1 (773) 538-5125	3:11:19 PM	3:12:35 PM	0
Ralph G. Moore & Associates (RGMA) (Business Fax)	+1 (312) 419-1918	3:15:07 PM	3:16:15 PM	0
Target Group Inc. (Business Fax)	+1 (312) 873-0299	3:16:15 PM	3:17:10 PM	0
United Neighborhood Organization (UNO) (Business Fax)	+1 (312) 432-0077	3:17:10 PM	3:18:09 PM	0
Women Construction Owners & Executives (WCOE) (Business Fax)	+1 (708) 366-5418	3:20:41 PM	3:21:48 PM	0
Women's Business Development Center (Business Fax)	+1 (312) 853-0145	3:21:48 PM	3:23:10 PM	0

The fax failed to be sent to the following recipients: Recipient name	Recipient number	Transmission start	Transmission end	Retries	Last error
Chicago Women in Trades (CWIT) (Business Fax)	+1 (773) 376-1456	3:45:30 PM	3:46:46 PM	4	No answer
Coalition for United Community Labor Force (Business Fax)	+1 (773) 863-1162	3:46:46 PM	3:48:02 PM	4	No answer
Illinois Hispanic Chamber of Commerce (Business Fax)	+1 (312) 229-1918	3:48:02 PM	3:48:17 PM	4	Busy
Puerto Rican Chamber of Commerce (Business Fax)	+1 (773) 771-1777	3:49:16 PM	3:50:32 PM	4	No answer
Rainbow PUSH (Business Fax)	+1 (773) 373-3571	3:50:32 PM	3:51:48 PM	4	No answer
Uptown Center Hull House (Business Fax)	+1 (773) 561-3507	3:54:14 PM	3:55:31 PM	4	No answer
West Side Business Improvement (Business Fax)	+1 (773) 921-0935	3:55:31 PM	3:56:47 PM	4	No answer

Mike Brunke

From: fax@gallagherasphalt.com
Sent: Monday, January 30, 2012 6:29 PM
To: Mike Brunke
Subject: Fax was successfully sent to Albin Carlson (Business Fax) and all other recipients.
Attachments: Fax.Tif

Fax was successfully sent to Albin Carlson (Business Fax) and all other recipients.

Fax submitted: 8:10:03 AM

To server: GACO1

Number of pages: 2

The fax was successfully sent to the following recipients: Recipient name	Recipient number	Transmission start	Transmission end	Retries
Albin Carlson (Business Fax)	+1 (630) 785-4001	6:08:22 PM	6:09:57 PM	0
Areatha Construction (DBE) (Business Fax)	+1 (630) 834-9856	6:09:58 PM	6:11:59 PM	0
Bingham Construction (Business Fax)	+1 (815) 478-9820	6:11:59 PM	6:14:34 PM	0
Chicago Structures (DBE) (Business Fax)	+1 (847) 670-5536	6:14:34 PM	6:16:15 PM	0
Dunnet Bay Construction (Business Fax)	+1 (630) 539-4171	6:16:15 PM	6:18:08 PM	0
Herlihy Mid-Continent Co (Business Fax)	+1 (630) 378-1001	6:18:08 PM	6:20:44 PM	0
Kenny Construction (Business Fax)	+1 (847) 272-5930	6:20:44 PM	6:23:21 PM	0
Lorig Construction Co (Business Fax)	+1 (847) 298-2689	6:23:21 PM	6:25:57 PM	0
Perdel Contracting (DBE) (Business Fax)	+1 (815) 838-3981	6:25:57 PM	6:28:33 PM	0



SITE GENERAL CONTRACTORS
 ASPHALT PAVING MIXTURES
 PAVING CONTRACTORS

18100 South Indiana Ave
 Thornton, IL 60476
 Phone #: (708) 877-7160
 Fax #: (708) 877-5222
www.gallagherasphalt.com

Invitation to Bid

Attention: Estimating Department

Date: 01/30/12

From: Mike Brunke
 mbrunke@gallagherasphalt.com

Project: CCHD - Wentworth Avenue
 Ridge Road to Glenwood-Lansing Road
 Lansing, IL

We invite you to bid with us the above mentioned project. Listed below are the pay items in your work category. **All DBE subcontractors are required to submit their DBE Utilization Plans and Letter of Intent with their quote.**

<u>Item #</u>	<u>Item Description</u>	<u>Quantity</u>	<u>Uom</u>
196	BAR SPLICERS	36.00	EACH
197	CONCRETE BOX CULVERTS	13.00	CU YD
198	FINE OR COARSE AGGREGATE EMBANKMENT	222.00	CU YD
201	JUNCTION CHAMBER	1.00	EACH
202	PIPE CULVERT, TYPE I (AASHTO M-36) 64 IN X 43 IN	6.00	FOOT
203	PRECAST CONCRETE BOX CULVERTS, 6 FT X 4 FT	72.00	FOOT
204	REINFORCEMENT BARS, EPOXY COATED	2,440.00	POUND
205	RELOCATE TEMP. CONC. BARRIER	120.00	FOOT
206	REMOVAL OF EXISTING STRUCTURES	1.00	EACH
207	TEMPORARY CONCRETE BARRIER	120.00	FOOT
208	TEMPORARY SHEET PILING	2,036.00	SQ FT
209	TEMPORARY SOIL RETENTION SYSTEM	45.00	SQ FT
212	STRUCTURE EXCAVATION	35.00	CU YD

PLEASE NOTE THAT CERTIFIED PAYROLL IS REQUIRED ON THIS PROJECT

**** Plans and Specs are available on the Cook County Web Site.

Bid Due Date to Owner: February 15, 2012 @ 10:00 AM

Bid Due Date to Gallagher: February 14, 2012 @ 10:00 AM

Subcontractor's Name : _____

DBE Yes No

Contact : _____

- _____
 Yes, I will be bidding.

 No, I will not be bidding.

 PLEASE REMOVE ME FROM YOUR MAILING LIST!

SEE THE NEXT PAGE FOR SUBCONTRACTOR QUOTE REQUIREMENTS

SITE GENERAL CONTRACTORS

18100 South Indiana Ave

Thornton * Joliet * Bourbonnais * Chicago



ASPHALT PAVING MIXTURES

PAVING CONTRACTORS

Thornton, IL 60476
Phone #: (708) 877-7160
Fax #: (708) 877-5222
www.gallagherasphalt.com

Project: CCHD - Wentworth Avenue
Ridge Road to Glenwood-Lansing Road
Lansing, IL

Date: 01/30/12

Subcontractor Quote Requirements

- * Please include a total with your quote.
- * Please provide your quote no later than the "Bid Due Date to Gallagher" shown above. Due to DBE requirements on IDOT projects, please provide your quote no later than 12:00 PM on the Wednesday before the Friday letting day.
- * All quotes are considered to be firm for thirty days after the award of the contract.
- * It is strongly recommended that all subcontractors review the project's plans and specifications PRIOR to submitting their quote. These documents are available in our Thornton office. IDOT projects are available on their website (<http://www.dot.state.il.us/desenv/delett.htm>). Please contact us if you require any assistance in utilizing these documents.
- * Prior to submitting a quote, subcontractors are encouraged to view Gallagher Asphalt's subcontract agreement and become fully aware of it's content. This document can be viewed in our Thornton office.
- * Subcontractor is responsible for determining the means and methods of completed the quoted work. If requested, we can assist you in obtaining the equipment, supplies, materials or services to complete the work.
- * All publicly funded work requires certified payrolls. Include the cost of this requirement in your quote. For IDOT projects the federal rates can be view at <http://www.dot.state.il.us/wagerates/wage1.html> or contact Gallagher Asphalt if you require assistance in determining the correct wage rate.
- * Quotes to include the cost to provide and maintain all necessary and required safety measures as per the Owner's and Gallagher Asphalt's safety plan.
- * Time is of the essence of the contract. Subcontractor may need to work longer hours, use additional crews and work nights or weekends to complete the work within the required time limit. No additional compensation will be granted to meet this requirement.
- * Subcontractors are required to comply with Public Act 095-0635 (cited as "Substance Abuse Prevention on Public Work Project Act").
- * Subcontractor is required to carry insurance coverage's meeting or exceeding the contract requirements of the project and as detailed in Gallagher Asphalt's subcontract agreement. Please make us aware of any assistance you may need in meeting this requirement.
- * Do not include the cost of a bond in your quote. If required, Gallagher Asphalt will pay for this cost.
- * Please make us aware of any assistance you may require in obtaining financing or lines of credit to complete this work.
- * Per IDOT, all contractors and subcontractors must participate in Apprenticeship and Training Programs that are both approved and registered with the U.S. Department of Labor's Bureau of Apprenticeship and Training. The participation will be based on the trades that perform work on IDOT contracts. Proof of this compliance may be required.
- * Subcontractors are expected to participate in providing Trainee Hours if required in the bid documents.
- * All items quoted are to be complete and include any incidental costs associated with that item.
- * All quotes for removals and excavation are to include any sawcutting and proper disposal of removed materials.
- * Quotes are to include the removal of all spoils.
- * Subcontractor is responsible for cleaning up after their work.
- * All concrete work is to include QC/QA testing cost. If not included, please make note in your quote.
- * If required, quote is to include the cost of providing certified flaggers for your work. Traffic control devices will be provided by Gallagher Asphalt, any set up or takedown of lane closures are to be done by the subcontractor.

Mike Brunke

From: fax@gallagherasphalt.com
Sent: Monday, January 30, 2012 8:55 PM
To: Mike Brunke
Subject: Fax was successfully sent to Baish Excavating (Business Fax) and all other recipients.
Attachments: Fax.Tif

Fax was successfully sent to Baish Excavating (Business Fax) and all other recipients.

Fax submitted: 8:15:08 AM

To server: GACO1

Number of pages: 2

The fax was successfully sent to the following recipients: Recipient name	Recipient number	Transmission start	Transmission end	Retries
Baish Excavating (Business Fax)	+1 (815) 725-2929	7:48:43 PM	7:50:20 PM	0
Bisping Construction Co. (Business Fax)	+1 (815) 485-9640	7:50:20 PM	7:52:16 PM	0
Carters Excavating & Grading (DBE) (Business Fax)	+1 (708) 225-1939	7:52:16 PM	7:54:18 PM	0
Chief Construction (Business Fax)	+1 (815) 485-1820	7:54:18 PM	7:56:27 PM	0
Concord Excavating LLC (DBE) (Business Fax)	+1 (630) 243-6850	7:56:27 PM	7:57:58 PM	0
Construction by Camco (Business Fax)	+1 (815) 741-4498	7:57:59 PM	8:00:36 PM	0
D. E. Thompson Excavating (Business Fax)	+1 (815) 467-7681	8:00:36 PM	8:03:22 PM	0
Double "G" Excavating Inc. (Business Fax)	+1 (815) 476-2073	8:03:23 PM	8:06:09 PM	0
Dynamic Wrecking & Excavation (Business Fax)	+1 (708) 333-2973	8:06:09 PM	8:07:53 PM	0
Everstone Construction (DBE) (Business Fax)	+1 (630) 756-4151	8:07:54 PM	8:09:25 PM	0
Faso Excavating Co (Business Fax)	+1 (708) 754-7771	8:09:26 PM	8:11:23 PM	0
George J Inc. Beemsterboer (Business Fax)	+1 (708) 339-6910	8:11:23 PM	8:12:47 PM	0
Humir Construction (DBE) (Business Fax)	+1 (773) 801-1442	8:12:47 PM	8:14:47 PM	0
John Russ & Company (Business Fax)	+1 (815) 729-3086	8:14:47 PM	8:17:05 PM	0

Len Cox & Sons Excavating (Business Fax)	+1 (815) 730-7705	8:17:06 PM	8:19:58 PM	0
Midwest Rem Enterprises Inc. (DBE) (Business Fax)	+1 (708) 345-8196	8:19:59 PM	8:21:37 PM	0
Naperville Excavating (Business Fax)	+1 (630) 355-6906	8:21:37 PM	8:23:16 PM	0
Pan-Oceanic Engineering Co. Inc. (DBE) (Business Fax)	+1 (773) 601-8409	8:23:16 PM	8:25:10 PM	0
SA Issert Construction Inc. (Business Fax)	+1 (815) 476-5026	8:25:10 PM	8:26:58 PM	0
Scanlon Excavating & Concrete (DBE) (Business Fax)	+1 (815) 937-5971	8:26:58 PM	8:28:47 PM	0
Silvestri Paving Company (Business Fax)	+1 (708) 388-9642	8:28:47 PM	8:31:24 PM	0
Stott Contracting LLC (Business Fax)	+1 (815) 942-0785	8:31:24 PM	8:33:37 PM	0
Straightline Excavating (Business Fax)	+1 (708) 474-6976	8:33:38 PM	8:35:37 PM	0
T&W Edmier Corporation (Business Fax)	+1 (630) 834-0950	8:35:37 PM	8:37:31 PM	0
Taylor Transport Service (DBE) (Business Fax)	+1 (708) 747-3215	8:37:31 PM	8:39:43 PM	0
Tenco Excavating (Business Fax)	+1 (815) 929-9016	8:39:43 PM	8:41:44 PM	0
TJ Lambrecht Construction (Business Fax)	+1 (815) 727-6421	8:41:45 PM	8:44:19 PM	0
United Enterprise (DBE) (Business Fax)	+1 (708) 924-9049	8:44:19 PM	8:46:14 PM	0
Wigboldy Son Excavating (Business Fax)	+1 (708) 389-9355	8:46:15 PM	8:48:13 PM	0
Witech Co. (Business Fax)	+1 (708) 367-1245	8:48:13 PM	8:50:48 PM	0
Witvoet & Company (Business Fax)	+1 (708) 474-1119	8:50:48 PM	8:53:07 PM	0
Zenere Trucking & Excavating (Business Fax)	+1 (708) 877-1502	8:53:07 PM	8:55:07 PM	0



SITE GENERAL CONTRACTORS
 ASPHALT PAVING MIXTURES
 PAVING CONTRACTORS

18100 South Indiana Ave
 Thornton, IL 60476
 Phone #: (708) 877-7160
 Fax #: (708) 877-5222
www.gallagherasphalt.com

Invitation to Bid

Attention: Estimating Department

Date: 01/30/12

From: Mike Brunke
 mbrunke@gallagherasphalt.com

Project: CCHD - Wentworth Avenue
 Ridge Road to Glenwood-Lansing Road
 Lansing, IL

We invite you to bid with us the above mentioned project. Listed below are the pay items in your work category. **All DBE subcontractors are required to submit their DBE Utilization Plans and Letter of Intent with their quote.**

<u>Item #</u>	<u>Item Description</u>	<u>Quantity</u>	<u>Uom</u>
3	EARTH EXCAVATION	26,268.00	CU YD
4	REMOVAL & DISP. OF UNSUIT. MATERIAL	1,000.00	CU YD
6	POROUS GRANULAR EMBANKMENT, SUBGRADE	1,028.00	CU YD
8	TOPSOIL EXCAVATION AND PLACEMENT	2,344.00	CU YD
39	DRIVEWAY PAVEMENT REMOVAL	136.00	SQ YD
40	COMB. CURB AND GUTTER REMOVAL	1,040.00	FOOT
41	SIDEWALK REMOVAL	8,027.00	SQ FT
214	CRUSHED STONE (TEMPORARY USE)	1.00	L SUM
215	DUST CONTROL WATERING	184.00	UNIT

PLEASE NOTE THAT CERTIFIED PAYROLL IS REQUIRED ON THIS PROJECT
 **** Plans and Specs are available on the Cook County Web Site.

Bid Due Date to Owner: February 15, 2012 @ 10:00 AM
 Bid Due Date to Gallagher: **February 14, 2012 @ 10:00 AM**

Subcontractor's Name : _____ DBE Yes No

Contact : _____

- _____ Yes, I will be bidding.
- _____ No, I will not be bidding.
- _____ PLEASE REMOVE ME FROM YOUR MAILING LIST!

PLEASE SEE THE NEXT PAGE FOR SUBCONTRACTOR QUOTE REQUIREMENTS



SITE GENERAL CONTRACTORS
ASPHALT PAVING MIXTURES
PAVING CONTRACTORS

18100 South Indiana Ave
Thornton, IL 60476
Phone #: (708) 877-7160
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www.gallagherasphalt.com

Project: CCHD - Wentworth Avenue
Ridge Road to Glenwood-Lansing Road
Lansing, IL

Date: 01/30/12

Subcontractor Quote Requirements

- * Please include a total with your quote.
- * Please provide your quote no later than the "Bid Due Date to Gallagher" shown above. Due to DBE requirements on IDOT projects, please provide your quote no later than 12:00 PM on the Wednesday before the Friday letting day.
- * All quotes are considered to be firm for thirty days after the award of the contract.
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- * Subcontractor is responsible for determining the means and methods of completed the quoted work. If requested, we can assist you in obtaining the equipment, supplies, materials or services to complete the work.
- * All publicly funded work requires certified payrolls. Include the cost of this requirement in your quote. For IDOT projects the federal rates can be view at <http://www.dot.state.il.us/wagerates/wage1.html> or contact Gallagher Asphalt if you require assistance in determining the correct wage rate.
- * Quotes to include the cost to provide and maintain all necessary and required safety measures as per the Owner's and Gallagher Asphalt's safety plan.
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- * Do not include the cost of a bond in your quote. If required, Gallagher Asphalt will pay for this cost.
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- * If required, quote is to include the cost of providing certified flaggers for your work. Traffic control devices will be provided by Gallagher Asphalt, any set up or takedown of lane closures are to be done by the subcontractor.

Mike Brunke

From: fax@gallagherasphalt.com
Sent: Monday, January 30, 2012 9:08 PM
To: Mike Brunke
Subject: Fax was successfully sent to Express Contracting (Business Fax) and all other recipients.
Attachments: Fax.Tif

Fax was successfully sent to Express Contracting (Business Fax) and all other recipients.

Fax submitted: 8:17:06 AM

To server: GACO1

Number of pages: 2

The fax was successfully sent to the following recipients: Recipient name	Recipient number	Transmission start	Transmission end	Retries
Express Contracting (Business Fax)	+1 (309) 788-2826	8:55:07 PM	8:57:06 PM	0
GF Structures Corp (Business Fax)	+1 (224) 654-2135	8:57:06 PM	8:59:41 PM	0
Industrial Fence (DBE) (Business Fax)	+1 (773) 521-9904	8:59:41 PM	9:01:33 PM	0
In-Line Fence (Business Fax)	+1 (708) 946-9833	9:01:33 PM	9:03:07 PM	0
Kujo Inc. (Business Fax)	+1 (847) 497-9278	9:03:07 PM	9:05:02 PM	0
Midwest Fence Corporation (Business Fax)	+1 (773) 722-6626	9:05:02 PM	9:06:27 PM	0
Northern Contracting (Business Fax)	+1 (815) 895-2117	9:06:27 PM	9:08:27 PM	0



SITE GENERAL CONTRACTORS
 ASPHALT PAVING MIXTURES
 PAVING CONTRACTORS

18100 South Indiana Ave
 Thornton, IL 60476
 Phone #: (708) 877-7160
 Fax #: (708) 877-5222
www.gallagherasphalt.com

Invitation to Bid

Attention: Estimating Department

Date: 01/30/12

From: Mike Brunke
 mbrunke@gallagherasphalt.com

Project: CCHD - Wentworth Avenue
 Ridge Road to Glenwood-Lansing Road
 Lansing, IL

We invite you to bid with us the above mentioned project. Listed below are the pay items in your work category. **All DBE subcontractors are required to submit their DBE Utilization Plans and Letter of Intent with their quote.**

<u>Item #</u>	<u>Item Description</u>	<u>Quantity</u>	<u>Uom</u>
118	STEEL PLATE BEAM GUARDRAIL, TYPE A	106.25	FOOT
119	L.S. GUARDRAIL OVER CULVERT, 25 FT SPAN	1.00	EACH
120	TRAFFIC BARR. TERM., TY 1 (SPECIAL) TANGENT	2.00	EACH
121	GUARDRAIL REMOVAL	220.00	FOOT

PLEASE NOTE THAT CERTIFIED PAYROLL IS REQUIRED ON THIS PROJECT
 **** Plans and Specs are available on the Cook County Web Site.

Bid Due Date to Owner: February 15, 2012 @ 10:00 AM
 Bid Due Date to Gallagher: **February 14, 2012 @ 10:00 AM**

Subcontractor's Name : _____ DBE Yes No

Contact : _____

- _____ Yes, I will be bidding.
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SEE THE NEXT PAGE FOR SUBCONTRACTOR QUOTE REQUIREMENTS



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PAVING CONTRACTORS

18100 South Indiana Ave

Thornton, IL 60476

Phone #: (708) 877-7160

Fax #: (708) 877-5222

www.gallagherasphalt.com

Project: CCHD - Wentworth Avenue
Ridge Road to Glenwood-Lansing Road
Lansing, IL

Date: 01/30/12

Subcontractor Quote Requirements

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Mike Brunke

From: fax@gallagherasphalt.com
Sent: Monday, January 30, 2012 9:42 PM
To: Mike Brunke
Subject: Fax was successfully sent to A to Z Construction Layout (Business Fax) and all other recipients.
Attachments: Fax.Tif

Fax was successfully sent to A to Z Construction Layout (Business Fax) and all other recipients.

Fax submitted: 8:20:24 AM

To server: GACO1

Number of pages: 2

The fax was successfully sent to the following recipients: Recipient name	Recipient number	Transmission start	Transmission end	Retries
A to Z Construction Layout (Business Fax)	+1 (219) 663-1620	9:08:27 PM	9:10:21 PM	0
B&G Survey Company Inc. (DBE) (Business Fax)	+1 (708) 474-9303	9:10:21 PM	9:12:22 PM	0
C3 Corporation (DBE) (Business Fax)	+1 (815) 634-0340	9:12:22 PM	9:15:01 PM	0
Chamlin & Associates (Business Fax)	+1 (815) 942-1471	9:15:01 PM	9:17:01 PM	0
Engineering Services Group (DBE) (Business Fax)	+1 (630) 566-5168	9:17:01 PM	9:18:22 PM	0
Geotech (Business Fax)	+1 (815) 730-1093	9:18:22 PM	9:20:58 PM	0
McBride Engineering Inc. (DBE) (Business Fax)	+1 (708) 799-9599	9:20:58 PM	9:23:04 PM	0
Morris Engineering (Business Fax)	+1 (630) 271-0774	9:23:04 PM	9:25:00 PM	0
Prime Design (Business Fax)	+1 (630) 587-8903	9:25:00 PM	9:26:34 PM	0
Robert E. Hamilton Engineers (Business Fax)	+1 (815) 730-6703	9:26:34 PM	9:28:29 PM	0
Robinson Engineering (Business Fax)	+1 (708) 331-3826	9:28:29 PM	9:30:24 PM	0
Ruettiger Tonelli & Associates (Business Fax)	+1 (815) 744-0101	9:30:24 PM	9:31:58 PM	0
Sanchez & Assoc. P. C. (DBE) (Business Fax)	+1 (847) 232-3104	9:31:59 PM	9:33:26 PM	0
Smith Engineering (Business Fax)	+1 (815) 462-	9:33:26 PM	9:35:34 PM	0

	9328			
Structure Designs Inc. (DBE) (Business Fax)	+1 (312) 551-9784	9:35:35 PM	9:37:11 PM	0
Tech3 Consulting Group (Business Fax)	+1 (708) 672-3739	9:37:11 PM	9:38:40 PM	0
Trotter and Associates (Business Fax)	+1 (630) 587-0475	9:38:40 PM	9:40:15 PM	0
V3 Companies LTD (Business Fax)	+1 (630) 724-9202	9:40:15 PM	9:42:01 PM	0



SITE GENERAL CONTRACTORS
 ASPHALT PAVING MIXTURES
 PAVING CONTRACTORS

18100 South Indiana Ave
 Thornton, IL 60476
 Phone #: (708) 877-7160
 Fax #: (708) 877-5222
www.gallagherasphalt.com

Invitation to Bid

Attention: Estimating Department

Date: 01/30/12

From: Mike Brunke
 mbrunke@gallagherasphalt.com

Project: CCHD - Wentworth Avenue
 Ridge Road to Glenwood-Lansing Road
 Lansing, IL

We invite you to bid with us the above mentioned project. Listed below are the pay items in your work category. **All DBE subcontractors are required to submit their DBE Utilization Plans and Letter of Intent with their quote.**

<u>Item #</u>	<u>Item Description</u>	<u>Quantity</u>	<u>Uom</u>
216	SURVEY MONUMENTS	4.00	EACH

PLEASE NOTE THAT CERTIFIED PAYROLL IS REQUIRED ON THIS PROJECT
****** Plans and Specs are available on the Cook County Web Site.**

Bid Due Date to Owner: February 15, 2012 @ 10:00 AM
Bid Due Date to Gallagher: **February 14, 2012 @ 10:00 AM**

Subcontractor's Name : _____ DBE Yes No

Contact : _____

- _____ Yes, I will be bidding.
- _____ No, I will not be bidding.
- _____ PLEASE REMOVE ME FROM YOUR MAILING LIST!

SEE THE NEXT PAGE FOR SUBCONTRACTOR QUOTE REQUIREMENTS



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18100 South Indiana Ave
Thornton, IL 60476
Phone #: (708) 877-7160
Fax #: (708) 877-5222
www.gallagherasphalt.com

Project: CCHD - Wentworth Avenue
Ridge Road to Glenwood-Lansing Road
Lansing, IL

Date: 01/30/12

Subcontractor Quote Requirements

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- * If required, quote is to include the cost of providing certified flaggers for your work. Traffic control devices will be provided by Gallagher Asphalt, any set up or takedown of lane closures are to be done by the subcontractor.

Mike Brunke

From: fax@gallagherasphalt.com
Sent: Monday, January 30, 2012 9:53 PM
To: Mike Brunke
Subject: Fax was successfully sent to C. D. Avery Services (DBE) (Business Fax) and all other recipients.
Attachments: Fax.Tif

Fax was successfully sent to C. D. Avery Services (DBE) (Business Fax) and all other recipients.

Fax submitted: 8:22:31 AM

To server: GACO1

Number of pages: 2

The fax was successfully sent to the following recipients: Recipient name	Recipient number	Transmission start	Transmission end	Retries
C. D. Avery Services (DBE) (Business Fax)	+1 (708) 862-4908	9:42:01 PM	9:44:37 PM	0
Groundskeeper Landscape Care (Business Fax)	+1 (708) 364-0476	9:44:37 PM	9:46:09 PM	0
Lucky Charm Contracting (Business Fax)	+1 (630) 898-6191	9:46:09 PM	9:47:40 PM	0
Midwest Forestree LLC (Business Fax)	+1 (847) 526-0733	9:47:40 PM	9:49:36 PM	0
Smitty's Tree Service (Business Fax)	+1 (708) 385-2833	9:49:36 PM	9:51:10 PM	0
T&R Tree Service (DBE) (Business Fax)	+1 (847) 395-7758	9:51:10 PM	9:53:08 PM	0



SITE GENERAL CONTRACTORS
 ASPHALT PAVING MIXTURES
 PAVING CONTRACTORS

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 Thornton, IL 60476
 Phone #: (708) 877-7160
 Fax #: (708) 877-5222
www.gallagherasphalt.com

Invitation to Bid

Attention: Estimating Department

Date: 01/30/12

From: Mike Brunke
 mbrunke@gallagherasphalt.com

Project: CCHD - Wentworth Avenue
 Ridge Road to Glenwood-Lansing Road
 Lansing, IL

We invite you to bid with us the above mentioned project. Listed below are the pay items in your work category. **All DBE subcontractors are required to submit their DBE Utilization Plans and Letter of Intent with their quote.**

<u>Item #</u>	<u>Item Description</u>	<u>Quantity</u>	<u>Uom</u>
1	TREE REMOVAL (6 TO 15 UNITS DIA)	60.00	UNIT
2	TREE REMOVAL (OVER 15 UNITS DIA)	340.00	UNIT
185	TREE PROTECTION AND PRESERVATION	38.00	EACH

PLEASE NOTE THAT CERTIFIED PAYROLL IS REQUIRED ON THIS PROJECT
 **** Plans and Specs are available on the Cook County Web Site.

Bid Due Date to Owner: February 15, 2012 @ 10:00 AM
 Bid Due Date to Gallagher: **February 14, 2012 @ 10:00 AM**

Subcontractor's Name : _____ DBE Yes No

Contact : _____

 Yes, I will be bidding.

 No, I will not be bidding.

 PLEASE REMOVE ME FROM YOUR MAILING LIST!

SEE THE NEXT PAGE FOR SUBCONTRACTOR QUOTE REQUIREMENTS



SITE GENERAL CONTRACTORS

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PAVING CONTRACTORS

18100 South Indiana Ave
Thornton, IL 60476
Phone #: (708) 877-7160
Fax #: (708) 877-5222
www.gallagherasphalt.com

Project: CCHD - Wentworth Avenue
Ridge Road to Glenwood-Lansing Road
Lansing, IL

Date: 01/30/12

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Mike Brunke

From: fax@gallagherasphalt.com
Sent: Monday, January 30, 2012 10:11 PM
To: Mike Brunke
Subject: Fax was successfully sent to Barricade Lites Inc. (DBE) (Business Fax) and all other recipients.
Attachments: Fax.Tif

Fax was successfully sent to Barricade Lites Inc. (DBE) (Business Fax) and all other recipients.

Fax submitted: 9:25:34 AM

To server: GACO1

Number of pages: 2

The fax was successfully sent to the following recipients: Recipient name	Recipient number	Transmission start	Transmission end	Retries
Barricade Lites Inc. (DBE) (Business Fax)	+1 (630) 627-9890	9:53:08 PM	9:55:24 PM	0
Highway Safety Corp (DBE) (Business Fax)	+1 (630) 620-7142	9:55:24 PM	9:57:11 PM	0
Highway Technology (Business Fax)	+1 (417) 862-1684	9:57:11 PM	9:58:54 PM	0
JEM Traffic Control Service (Business Fax)	+1 (312) 421-7901	9:58:54 PM	10:00:20 PM	0
Nafisco (Business Fax)	+1 (815) 372-3315	10:00:21 PM	10:02:55 PM	0
NES Traffic Control (Business Fax)	+1 (815) 372-3233	10:02:55 PM	10:04:23 PM	0
Road Safe (Business Fax)	+1 (815) 372-3863	10:04:23 PM	10:06:27 PM	0
Traffic Services (Business Fax)	+1 (630) 497-1737	10:06:27 PM	10:09:00 PM	0
Work Zone Safety (DBE) (Business Fax)	+1 (815) 834-2357	10:09:00 PM	10:10:38 PM	0



SITE GENERAL CONTRACTORS
 ASPHALT PAVING MIXTURES
 PAVING CONTRACTORS

18100 South Indiana Ave
 Thornton, IL 60476
 Phone #: (708) 877-7160
 Fax #: (708) 877-5222
www.gallagherasphalt.com

Invitation to Bid

Attention: Estimating Department
 From: Mike Brunke
 mbrunke@gallagherasphalt.com
 Project: CCHD - Wentworth Avenue
 Ridge Road to Glenwood-Lansing Road
 Lansing, IL

Date: 01/30/12

We invite you to bid with us the above mentioned project. Listed below are the pay items in your work category. **All DBE subcontractors are required to submit their DBE Utilization Plans and Letter of Intent with their quote.**

Item #	Item Description	Quantity	Uom
13	PAVT. MARKING TAPE, TY III - L & S	828.00	SQ FT
14	PAVT. MARKING TAPE, TYPE III, 4 IN	16,214.00	FOOT
42	SIGN PANEL, TYPE 1	651.00	SQ FT
43	SIGN PANEL, TYPE 2	13.00	SQ FT
44	METAL POST - TYPE B	1,353.00	FOOT
123	TRAFFIC PROTECTION	1.00	L SUM
124	TRAF. CONTROL DEV. - DETOUR ROUTING	1.00	L SUM
199	IMPACT ATTENUATORS, TEMPORARY (NON-DIRECTIVE) TEST LEVEL 2	1.00	EACH
200	IMPACT ATTEN., RELOCATE (NON-DIRECTIVE) TEST LEVEL 2	1.00	EACH

PLEASE NOTE THAT CERTIFIED PAYROLL IS REQUIRED ON THIS PROJECT
 **** Plans and Specs are available on the Cook County Web Site.

Bid Due Date to Owner: February 15, 2012 @ 10:00 AM
 Bid Due Date to Gallagher: February 14, 2012 @ 10:00 AM

Subcontractor's Name : _____ DBE Yes No

Contact : _____

 Yes, I will be bidding.

 No, I will not be bidding.

 PLEASE REMOVE ME FROM YOUR MAILING LIST!

SEE THE NEXT PAGE FOR SUBCONTRACTOR QUOTE REQUIREMENTS



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PAVING CONTRACTORS

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Project: CCHD - Wentworth Avenue
Ridge Road to Glenwood-Lansing Road
Lansing, IL

Date: 01/30/12

Subcontractor Quote Requirements

- * Please include a total with your quote.
- * Please provide your quote no later than the "Bid Due Date to Gallagher" shown above. Due to DBE requirements on IDOT projects, please provide your quote no later than 12:00 PM on the Wednesday before the Friday letting day.
- * All quotes are considered to be firm for thirty days after the award of the contract.
- * It is strongly recommended that all subcontractors review the project's plans and specifications PRIOR to submitting their quote. These documents are available in our Thornton office. IDOT projects are available on their website (<http://www.dot.state.il.us/desenv/delelt.html>). Please contact us if you require any assistance in utilizing these documents.
- * Prior to submitting a quote, subcontractors are encouraged to view Gallagher Asphalt's subcontract agreement and become fully aware of it's content. This document can be viewed in our Thornton office. Subcontractor is responsible for determining the means and methods of completed the quoted work. If requested, we can assist you in obtaining the equipment, supplies, materials or services to complete the work.
- * All publicly funded work requires certified payrolls. Include the cost of this requirement in your quote. For IDOT projects the federal rates can be view at <http://www.dot.state.il.us/wagerates/wage1.html> or contact Gallagher Asphalt if you require assistance in determining the correct wage rate.
- * Quotes to include the cost to provide and maintain all necessary and required safety measures as per the Owner's and Gallagher Asphalt's safety plan.
- * Time is of the essence of the contract. Subcontractor may need to work longer hours, use additional crews and work nights or weekends to complete the work within the required time limit. No additional compensation will be granted to meet this requirement.
- * Subcontractors are required to comply with Public Act 095-0635 (cited as "Substance Abuse Prevention on Public Work Project Act").
- * Subcontractor is required to carry insurance coverage's meeting or exceeding the contract requirements of the project and as detailed in Gallagher Asphalt's subcontract agreement. Please make us aware of any assistance you may need in meeting this requirement.
- * Do not include the cost of a bond in your quote. If required, Gallagher Asphalt will pay for this cost. Please make us aware of any assistance you may require in obtaining financing or lines of credit to complete this work.
- * Per IDOT, all contractors and subcontractors must participate in Apprenticeship and Training Programs that are both approved and registered with the U.S. Department of Labor's Bureau of Apprenticeship and Training. The participation will be based on the trades that perform work on IDOT contracts. Proof of this compliance may be required.
- * Subcontractors are expected to participate in providing Trainee Hours if required in the bid documents.
- * All items quoted are to be complete and include any incidental costs associated with that item.
- * All quotes for removals and excavation are to include any sawcutting and proper disposal of removed materials.
- * Quotes are to include the removal of all spoils.
- * Subcontractor is responsible for cleaning up after their work.
- * All concrete work is to include QC/QA testing cost. If not included, please make note in your quote.
- * If required, quote is to include the cost of providing certified flaggers for your work. Traffic control devices will be provided by Gallagher Asphalt, any set up or takedown of lane closures are to be done by the subcontractor.

Mike Brunke

From: fax@gallagherasphalt.com
Sent: Monday, January 30, 2012 10:18 PM
To: Mike Brunke
Subject: Fax was successfully sent to CSD Environ Services (DBE) (Business Fax) and all other recipients.
Attachments: Fax.Tif

Fax was successfully sent to CSD Environ Services (DBE) (Business Fax) and all other recipients.

Fax submitted: 8:25:43 AM

To server: GACO1

Number of pages: 2

The fax was successfully sent to the following recipients: Recipient name	Recipient number	Transmission start	Transmission end	Retries
CSD Environ Services (DBE) (Business Fax)	+1 (217) 522-4087	10:10:38 PM	10:12:20 PM	0
Geocon Professional Services (Business Fax)	+1 (815) 464-8691	10:12:20 PM	10:14:56 PM	0
Integrity Environ Services (Business Fax)	+1 (630) 718-9114	10:14:56 PM	10:16:43 PM	0
True North Consultants (Business Fax)	+1 (630) 689-5881	10:16:43 PM	10:18:10 PM	0



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 Phone #: (708) 877-7160
 Fax #: (708) 877-5222
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Invitation to Bid

Attention: Estimating Department

Date: 01/30/12

From: Mike Brunke
 mbrunke@gallagherasphalt.com

Project: CCHD - Wentworth Avenue
 Ridge Road to Glenwood-Lansing Road
 Lansing, IL

We invite you to bid with us the above mentioned project. Listed below are the pay items in your work category. **All DBE subcontractors are required to submit their DBE Utilization Plans and Letter of Intent with their quote.**

<u>Item #</u>	<u>Item Description</u>	<u>Quantity</u>	<u>Uom</u>
5	SPECIAL WASTE PLANS AND REPORTS	1.00	L SUM

PLEASE NOTE THAT CERTIFIED PAYROLL IS REQUIRED ON THIS PROJECT
 **** Plans and Specs are available on the Cook County Web Site.

Bid Due Date to Owner: February 15, 2012 @ 10:00 AM
Bid Due Date to Gallagher: February 14, 2012 @ 10:00 AM

Subcontractor's Name : _____ DBE Yes No

Contact : _____

 Yes, I will be bidding.

 No, I will not be bidding.

 PLEASE REMOVE ME FROM YOUR MAILING LIST!

SEE THE NEXT PAGE FOR SUBCONTRACTOR QUOTE REQUIREMENTS



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www.gallagherasphalt.com

Project: CCHD - Wentworth Avenue
Ridge Road to Glenwood-Lansing Road
Lansing, IL

Date: 01/30/12

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- * Subcontractor is responsible for determining the means and methods of completed the quoted work. If requested, we can assist you in obtaining the equipment, supplies, materials or services to complete the work.
- * All publicly funded work requires certified payrolls. Include the cost of this requirement in your quote. For IDOT projects the federal rates can be view at <http://www.dot.state.il.us/wagerates/wage1.html> or contact Gallagher Asphalt if you require assistance in determining the correct wage rate.
- * Quotes to include the cost to provide and maintain all necessary and required safety measures as per the Owner's and Gallagher Asphalt's safety plan.
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Mike Brunke

From: fax@gallagherasphalt.com
Sent: Monday, January 30, 2012 10:35 PM
To: Mike Brunke
Subject: Fax was successfully sent to AC Pavement Striping Co. (Business Fax) and all other recipients.
Attachments: Fax.Tif

Fax was successfully sent to AC Pavement Striping Co. (Business Fax) and all other recipients.

Fax submitted: 8:27:31 AM

To server: GACO1

Number of pages: 2

The fax was successfully sent to the following recipients: Recipient name	Recipient number	Transmission start	Transmission end	Retries
AC Pavement Striping Co. (Business Fax)	+1 (847) 214-9078	10:18:10 PM	10:20:20 PM	0
Maintenance Coatings Corp (Business Fax)	+1 (847) 622-1087	10:20:20 PM	10:22:56 PM	0
Marking Specialists Corp (DBE) (Business Fax)	+1 (847) 462-0929	10:22:56 PM	10:24:19 PM	0
Mark-It Striping Corporation (Business Fax)	+1 (815) 407-1702	10:24:19 PM	10:25:53 PM	0
ML Group (DBE) (Business Fax)	+1 (773) 254-7173	10:25:53 PM	10:27:19 PM	0
Precision Pavement Markings (Business Fax)	+1 (847) 637-0867	10:27:19 PM	10:28:52 PM	0
Road Safe (Business Fax)	+1 (815) 372-3863	10:28:53 PM	10:31:00 PM	0
Superior Road Striping (Business Fax)	+1 (708) 865-0296	10:31:00 PM	10:32:33 PM	0
Varsity Striping (DBE) (Business Fax)	+1 (217) 352-8339	10:32:33 PM	10:34:31 PM	0



SITE GENERAL CONTRACTORS
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 Phone #: (708) 877-7160
 Fax #: (708) 877-5222
www.gallagherasphalt.com

Invitation to Bid

Attention: Estimating Department

Date: 01/30/12

From: Mike Brunke
 mbrunke@gallagherasphalt.com

Project: CCHD - Wentworth Avenue
 Ridge Road to Glenwood-Lansing Road
 Lansing, IL

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<u>Item #</u>	<u>Item Description</u>	<u>Quantity</u>	<u>Uom</u>
126	THERMO PAVT MARKING - L & S	414.00	SQ FT
127	THERMO PAVT MARKING - LINE 4 IN	16,214.00	FOOT
128	THERMO PAVT MARKING - LINE 6 IN	1,400.00	FOOT
129	THERMO PAVT MARKING - LINE 12 IN	142.00	FOOT
130	THERMO PAVT MARKING - LINE 24 IN	401.00	FOOT
131	RAISED REFL. PAVEMENT MARKER	376.00	EACH

PLEASE NOTE THAT CERTIFIED PAYROLL IS REQUIRED ON THIS PROJECT
 **** Plans and Specs are available on the Cook County Web Site.

Bid Due Date to Owner: February 15, 2012 @ 10:00 AM
 Bid Due Date to Gallagher: **February 14, 2012 @ 10:00 AM**

Subcontractor's Name : _____ DBE Yes No

Contact : _____

 Yes, I will be bidding.

 No, I will not be bidding.

 PLEASE REMOVE ME FROM YOUR MAILING LIST!

SEE THE NEXT PAGE FOR SUBCONTRACTOR QUOTE REQUIREMENTS



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Project: CCHD - Wentworth Avenue
Ridge Road to Glenwood-Lansing Road
Lansing, IL

Date: 01/30/12

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Mike Brunke

From: fax@gallagherasphalt.com
Sent: Tuesday, January 31, 2012 2:47 AM
To: Mike Brunke
Subject: Fax was not successfully sent to 43 recipients. Canceled: 0 recipient(s). Failed: 2 recipient(s).
Attachments: Fax.Tif

Fax was not successfully sent to 43 recipients. Canceled: 0 recipient(s). Failed: 2 recipient(s).

Fax submitted: 8:13:24 AM

To server: GACO1

Number of pages: 2

The fax was successfully sent to the following recipients: Recipient name	Recipient number	Transmission start	Transmission end	Retries
Ability Rock Road (DBE) (Business Fax)	+1 (630) 860-2148	6:28:33 PM	6:30:05 PM	0
Acer Enterprises (DBE) (Business Fax)	+1 (708) 895-0821	6:30:05 PM	6:31:56 PM	0
Acura Inc. (DBE) (Business Fax)	+1 (630) 766-6826	6:31:56 PM	6:33:49 PM	0
All Time Wrecking & Hauling Inc. (DBE) (Business Fax)	+1 (773) 921-7736	6:33:50 PM	6:35:54 PM	0
Alworth Construction Entities LLC (DBE) (Business Fax)	+1 (773) 238-2063	2:20:26 AM	2:22:22 AM	1
American Concrete Restorations Inc. (DBE) (Business Fax)	+1 (630) 887-0440	6:38:00 PM	6:39:51 PM	0
American Const. Co. Inc. (DBE) (Business Fax)	+1 (773) 762-3999	6:39:51 PM	6:42:16 PM	0
Anderson Concrete (Business Fax)	+1 (815) 634-8758	6:42:16 PM	6:44:59 PM	0
April-Cobra Enterprises Inc. (DBE) (Business Fax)	+1 (847) 382-1787	6:44:59 PM	6:47:03 PM	0
Araiza Corporation (DBE) (Business Fax)	+1 (708) 922-2684	6:47:03 PM	6:48:36 PM	0
Azteca Power Construction (DBE) (Business Fax)	+1 (773) 643-0808	6:48:36 PM	6:50:22 PM	0
Barrera Construction Inc. (DBE) (Business Fax)	+1 (630) 293-8704	6:50:22 PM	6:52:26 PM	0
B-Next Construction Inc. (DBE) (Business Fax)	+1 (815) 723-0257	6:52:26 PM	6:54:12 PM	0
Carrera Concrete Construction Inc. (DBE)	+1 (847) 290-	6:54:12 PM	6:56:05 PM	0

(Business Fax)	3901			
Carruthers Construction & Safety Inc. (DBE) (Business Fax)	+1 (815) 730-4828	6:56:05 PM	6:57:40 PM	0
D&B Construction (DBE) (Business Fax)	+1 (773) 874-0769	6:57:40 PM	6:59:36 PM	0
Davis Concrete Construction Co (Business Fax)	+1 (708) 388-9642	6:59:36 PM	7:02:12 PM	0
D'Land Construction (Business Fax)	+1 (630) 694-8601	7:02:12 PM	7:04:11 PM	0
DNB Construction (DBE) (Business Fax)	+1 (630) 782-0147	7:04:11 PM	7:06:22 PM	0
Dynamicx Enterprises (DBE) (Business Fax)	+1 (708) 929-4553	7:06:22 PM	7:07:56 PM	0
Eagle Concrete (Business Fax)	+1 (630) 458-1219	7:07:57 PM	7:10:33 PM	0
Everstone Construction (DBE) (Business Fax)	+1 (630) 756-4151	7:10:34 PM	7:12:04 PM	0
Hackie Cement Corp (DBE) (Business Fax)	+1 (815) 267-8607	7:12:04 PM	7:13:41 PM	0
Hooks Concrete Constr Corp (Business Fax)	+1 (708) 757-1657	7:13:41 PM	7:15:16 PM	0
Humir Construction (DBE) (Business Fax)	+1 (773) 801-1442	7:15:16 PM	7:17:14 PM	0
Jalpa Construction Corp. (DBE) (Business Fax)	+1 (773) 767-0334	7:17:14 PM	7:19:06 PM	0
JG Demo Inc. (DBE) (Business Fax)	+1 (630) 543-8923	7:19:07 PM	7:20:59 PM	0
JJ Newell Concrete (Business Fax)	+1 (708) 862-2544	7:20:59 PM	7:22:31 PM	0
Leon Construction (DBE) (Business Fax)	+1 (708) 656-4770	7:22:31 PM	7:24:00 PM	0
Millennium Construction (DBE) (Business Fax)	+1 (708) 832-1314	7:24:00 PM	7:25:23 PM	0
Nugent Construction (Business Fax)	+1 (815) 929-1872	7:25:23 PM	7:27:23 PM	0
Pan-Oceanic Engineering Co. Inc. (DBE) (Business Fax)	+1 (773) 601-8409	7:28:38 PM	7:30:31 PM	0
Reyes Group (DBE) (Business Fax)	+1 (708) 596-7184	7:30:31 PM	7:32:37 PM	0
Rojas Concrete Inc. (DBE) (Business Fax)	+1 (773) 846-0570	7:32:37 PM	7:34:33 PM	0
Rula's Enterprises (DBE) (Business Fax)	+1 (708) 354-4312	7:34:33 PM	7:36:08 PM	0

Sanchez Construction Services (DBE) (Business Fax)	+1 (773) 254-1078	7:36:08 PM	7:38:04 PM	0
Scanlon Excavating & Concrete (DBE) (Business Fax)	+1 (815) 937-5971	7:38:04 PM	7:39:51 PM	0
Sumit Construction Co. Inc. (DBE) (Business Fax)	+1 (773) 276-4644	7:39:51 PM	7:41:41 PM	0
Tough Cut Concrete Services Inc. (DBE) (Business Fax)	+1 (815) 464-8469	7:42:57 PM	7:44:48 PM	0
United Enterprise (DBE) (Business Fax)	+1 (708) 924-9049	7:44:48 PM	7:46:42 PM	0
Vixen Construction (Business Fax)	+1 (708) 728-1960	7:46:42 PM	7:48:43 PM	0

The fax failed to be sent to the following recipients: Recipient name	Recipient number	Transmission start	Transmission end	Retries	Last error
OZOH Engineering & Construction (DBE) (Business Fax)	+1 (708) 798-4268	2:44:50 AM	2:46:05 AM	4	No answer
Timothy Wright Construction LLC (DBE) (Business Fax)	+1 (773) 371-0339	2:46:08 AM	2:47:25 AM	4	No answer



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Date: 01/30/12

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 mbrunke@gallagherasphalt.com

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 Ridge Road to Glenwood-Lansing Road
 Lansing, IL

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<u>Item #</u>	<u>Item Description</u>	<u>Quantity</u>	<u>Uom</u>
34	PCC DRIVEWAY PAVEMENT, 8 IN	107.00	SQ YD
35	PCC SIDEWALK, 5 IN	18,180.00	SQ FT
36	DETECTABLE WARNINGS	431.00	SQ FT
46	PROTECTIVE COAT	6,450.00	SQ YD
116	COMB. CONC. CURB & GUTTER, TY B-6.18	15,410.00	FOOT
117	CONCRETE MEDIAN, TYPE SB-6.12	385.00	SQ FT

PLEASE NOTE THAT CERTIFIED PAYROLL IS REQUIRED ON THIS PROJECT
 **** Plans and Specs are available on the Cook County Web Site.

Bid Due Date to Owner: February 15, 2012 @ 10:00 AM
 Bid Due Date to Gallagher: **February 14, 2012 @ 10:00 AM**

Subcontractor's Name : _____ DBE Yes No

Contact : _____

 Yes, I will be bidding.

 No, I will not be bidding.

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Date: 01/30/12

Subcontractor Quote Requirements

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- * Do not include the cost of a bond in your quote. If required, Gallagher Asphalt will pay for this cost.
- * Please make us aware of any assistance you may require in obtaining financing or lines of credit to complete this work.
- * Per IDOT, all contractors and subcontractors must participate in Apprenticeship and Training Programs that are both approved and registered with the U.S. Department of Labor's Bureau of Apprenticeship and Training. The participation will be based on the trades that perform work on IDOT contracts. Proof of this compliance may be required.
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- * If required, quote is to include the cost of providing certified flaggers for your work. Traffic control devices will be provided by Gallagher Asphalt, any set up or takedown of lane closures are to be done by the subcontractor.

Mike Brunke

From: fax@gallagherasphalt.com
Sent: Tuesday, January 31, 2012 2:48 AM
To: Mike Brunke
Subject: Fax was not successfully sent to 25 recipients. Canceled: 0 recipient(s). Failed: 1 recipient(s).
Attachments: Fax.Tif

Fax was not successfully sent to 25 recipients. Canceled: 0 recipient(s). Failed: 1 recipient(s).

Fax submitted: 9:32:34 AM

To server: GACO1

Number of pages: 2

The fax was successfully sent to the following recipients: Recipient name	Recipient number	Transmission start	Transmission end	Retries
April-Cobra Enterprises Inc. (DBE) (Business Fax)	+1 (847) 382-1787	10:34:46 PM	10:36:49 PM	0
Beverly Environmental LLC (Business Fax)	+1 (708) 331-4887	10:36:49 PM	10:38:14 PM	0
C. D. Avery Services (DBE) (Business Fax)	+1 (708) 862-4908	10:38:14 PM	10:41:03 PM	0
Countryside Industries (Business Fax)	+1 (847) 526-9094	10:41:03 PM	10:42:37 PM	0
Del Toro Landscaping (DBE) (Business Fax)	+1 (847) 426-0459	10:42:37 PM	10:44:29 PM	0
Diaz Group LLC (DBE) (Business Fax)	+1 (773) 388-8645	10:44:29 PM	10:46:29 PM	0
Great American Landscape (Business Fax)	+1 (219) 322-4419	10:46:29 PM	10:48:22 PM	0
Groundskeeper Landscape Care (Business Fax)	+1 (708) 364-0476	10:48:22 PM	10:49:56 PM	0
Laredo Systems (DBE) (Business Fax)	+1 (815) 544-1088	10:49:56 PM	10:51:32 PM	0
Mark IV Landscaping (Business Fax)	+1 (708) 895-0345	10:51:32 PM	10:54:19 PM	0
Meranjil Corporation (DBE) (Business Fax)	+1 (708) 534-7959	10:54:19 PM	10:56:08 PM	0
Midwest Landscapes (Business Fax)	+1 (815) 935-2698	10:56:08 PM	10:57:37 PM	0
Natural Creations Landscaping (DBE) (Business Fax)	+1 (815) 724-0996	10:57:37 PM	10:59:33 PM	0
Rainbow Farm Enterprises (DBE) (Business Fax)	+1 (708) 534-	10:59:33 PM	11:01:17 PM	0

Fax)	1138			
Rosewood Landscaping (Business Fax)	+1 (708) 333-5266	11:01:18 PM	11:03:51 PM	0
Roy Erikson Outdoor Maintenance (Business Fax)	+1 (708) 385-4878	11:03:51 PM	11:05:27 PM	0
Rula's Enterprises (DBE) (Business Fax)	+1 (708) 354-4312	11:05:27 PM	11:07:02 PM	0
Sanders Landscaping Inc. (DBE) (Business Fax)	+1 (773) 731-5484	11:07:02 PM	11:09:37 PM	0
Seasons Landscape (Business Fax)	+1 (815) 723-9750	11:09:37 PM	11:11:53 PM	0
Speedy Gonzalez (Business Fax)	+1 (773) 731-1621	11:11:53 PM	11:14:01 PM	0
SSACC (DBE) (Business Fax)	+1 (815) 842-2198	11:14:01 PM	11:16:11 PM	0
TNT Landscape Constructon (Business Fax)	+1 (847) 717-5241	2:25:07 AM	2:26:44 AM	1
Tree and Land (DBE) (Business Fax)	+1 (815) 467-9840	11:17:59 PM	11:19:27 PM	0
United Enterprise (DBE) (Business Fax)	+1 (708) 924-9049	11:19:27 PM	11:21:21 PM	0

The fax failed to be sent to the following recipients: Recipient name	Recipient number	Transmission start	Transmission end	Retries	Last error
Aladdin Landscaping Inc. (DBE) (Business Fax)	+1 (708) 720-9634	2:47:25 AM	2:47:40 AM	4	Busy



SITE GENERAL CONTRACTORS
 ASPHALT PAVING MIXTURES
 PAVING CONTRACTORS

18100 South Indiana Ave
 Thornton, IL 60476
 Phone #: (708) 877-7160
 Fax #: (708) 877-5222
www.gallagherasphalt.com

Invitation to Bid

Attention: Estimating Department

Date: 01/30/12

From: Mike Brunke
 mbrunke@gallagherasphalt.com

Project: CCHD - Wentworth Avenue
 Ridge Road to Glenwood-Lansing Road
 Lansing, IL

We invite you to bid with us the above mentioned project. Listed below are the pay items in your work category. **All DBE subcontractors are required to submit their DBE Utilization Plans and Letter of Intent with their quote.**

Item #	Item Description	Quantity	Uom
9	SEEDING, CLASS 3A	2.00	ACRE
10	NITROGEN FERTILIZER NUTRIENT	402.00	POUND
11	PHOSPHORUS FERTILIZER NUTRIENT	402.00	POUND
12	POTASSIUM FERTILIZER NUTRIENT	402.00	POUND
15	EROSION CONTROL BLANKET	28,709.00	SQ YD
16	SODDING, SALT TOLERANT	21,271.00	SQ YD
17	SUPPLEMENTAL WATERING	319.00	UNIT
18	TEMP. EROSION CONTROL SEEDING	1,200.00	POUND
19	TEMPORARY DITCH CHECKS	528.00	FOOT
20	PERIMETER EROSION BARRIER	12,580.00	FOOT
21	INLET AND PIPE PROTECTION	2.00	EACH
22	INLET FILTER	160.00	EACH
177	TREE, ACER RUB (RED MAPLE), 3" CAL, B & B	8.00	EACH
178	TREE, ACER RUB RED SUNSET (RED SUNSET RED MAPLE), 3" CAL B & B	5.00	EACH
179	TREE, LIRIOD TULIP (TULIP TREE), 3" CAL, B & B	6.00	EACH
180	TREE, GLED TRIAC INER SKYLINE (SKYLINE THORNLESS COM HONEYLOCUS)	3.00	EACH
181	TREE, TILIA AMERICANA (AMERICAN LINDEN/ BASSWOOD), 3 IN CALIPER, BAL	2.00	EACH
184	TOPSOIL FURNISH AND PLACE, 4 IN	28,709.00	CU YD
185	TREE PROTECTION AND PRESERVATION	38.00	EACH
213	REMOVE & REINSTALL DECO. BRICK PAVERS	50.00	SQ FT
210	STONE RIP RAP, CLASS A4	160.00	SQ YD
211	FILTER FABRIC FOR USE WITH RIPRAP	160.00	SQ YD

PLEASE NOTE THAT CERTIFIED PAYROLL IS REQUIRED ON THIS PROJECT

**** **Plans and Specs are available on the Cook County Web Site.**

Bid Due Date to Owner: February 15, 2012 @ 10:00 AM

Bid Due Date to Gallagher: **February 14, 2012 @ 10:00 AM**

Subcontractor's Name : _____ DBE Yes No

Contact : _____

 Yes, I will be bidding.

 No, I will not be bidding.

 PLEASE REMOVE ME FROM YOUR MAILING LIST!

SEE THE NEXT PAGE FOR SUBCONTRACTOR QUOTE REQUIREMENTS



SITE GENERAL CONTRACTORS

ASPHALT PAVING MIXTURES

PAVING CONTRACTORS

18100 South Indiana Ave
Thornton, IL 60476
Phone #: (708) 877-7160
Fax #: (708) 877-5222
www.gallagherasphalt.com

Project: CCHD - Wentworth Avenue
Ridge Road to Glenwood-Lansing Road
Lansing, IL

Date: 01/30/12

Subcontractor Quote Requirements

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Mike Brunke

From: fax@gallagherasphalt.com
Sent: Tuesday, January 31, 2012 2:51 AM
To: Mike Brunke
Subject: Fax was not successfully sent to 30 recipients. Canceled: 0 recipient(s). Failed: 1 recipient(s).
Attachments: Fax.Tif

Fax was not successfully sent to 30 recipients. Canceled: 0 recipient(s). Failed: 1 recipient(s).

Fax submitted: 9:35:27 AM

To server: GACO1

Number of pages: 2

The fax was successfully sent to the following recipients: Recipient name	Recipient number	Transmission start	Transmission end	Retries
A&C Electric Company (Business Fax)	+1 (847) 640-1186	11:21:21 PM	11:23:14 PM	0
Aldridge Electric (Business Fax)	+1 (847) 680-5233	11:23:14 PM	11:25:14 PM	0
Canino Electric Company (DBE) (Business Fax)	+1 (708) 681-2822	11:25:14 PM	11:27:23 PM	0
City Lights (Business Fax)	+1 (773) 626-8310	11:27:23 PM	11:29:28 PM	0
Cutting Edge Electric Inc. (DBE) (Business Fax)	+1 (773) 362-2065	11:29:28 PM	11:32:10 PM	0
DND Electric Inc. (DBE) (Business Fax)	+1 (630) 585-0314	11:32:10 PM	11:34:07 PM	0
Fox Electric (Business Fax)	+1 (815) 463-1378	11:34:07 PM	11:36:17 PM	0
Gaffney's PMI (DBE) (Business Fax)	+1 (630) 761-4926	11:36:17 PM	11:38:11 PM	0
Gim Electric Co. Inc. (DBE) (Business Fax)	+1 (773) 286-9139	11:38:11 PM	11:40:00 PM	0
Hawk Enterprises (DBE) (Business Fax)	+1 (219) 662-8093	11:40:00 PM	11:41:37 PM	0
Hecker and Company (Business Fax)	+1 (847) 459-9250	11:41:37 PM	11:43:29 PM	0
Henkels & McCoy (Business Fax)	+1 (630) 406-9530	11:43:29 PM	11:45:34 PM	0
Home Towne Electric (Business Fax)	+1 (847) 223-7577	11:45:34 PM	11:47:18 PM	0
Horizon Contractors Inc. (DBE) (Business Fax)	+1 (312) 850-	11:47:18 PM	11:49:23 PM	0

	3499			
Jaymor Electric Inc. (DBE) (Business Fax)	+1 (847) 245-7300	11:50:39 PM	11:52:50 PM	0
JF Edwards Construction Co. (Business Fax)	+1 (309) 944-4684	11:52:50 PM	11:54:23 PM	0
JM Electric Services Inc. (DBE) (Business Fax)	+1 (708) 450-1157	11:54:23 PM	11:56:15 PM	0
John Burns Electric (Business Fax)	+1 (708) 326-3599	11:56:15 PM	11:58:02 PM	0
Lady Lighting & Contracting Co. (DBE) (Business Fax)	+1 (630) 351-1142	11:58:02 PM	11:59:59 PM	0
Leyden Electric Inc. (DBE) (Business Fax)	+1 (630) 365-0202	11:59:59 PM	12:02:06 AM	0
Livewire Electrical Systems Inc. (DBE) (Business Fax)	+1 (708) 535-6108	12:02:06 AM	12:03:44 AM	0
Meade Electric - Attn: Mike Knutson - Infrastructure (Business Fax)	+1 (708) 588-2501	12:03:45 AM	12:05:38 AM	0
Midwestern Electric Co. Inc. (DBE) (Business Fax)	+1 (708) 333-4228	12:05:38 AM	12:07:50 AM	0
Pagoda Electric & Const. (DBE) (Business Fax)	+1 (773) 229-8801	12:07:50 AM	12:09:49 AM	0
Pinner Electric Company (Business Fax)	+1 (708) 588-6805	12:09:49 AM	12:11:40 AM	0
Suarez Electric (DBE) (Business Fax)	+1 (773) 202-8430	12:11:40 AM	12:13:33 AM	0
Tri-Tech Electric (DBE) (Business Fax)	+1 (630) 378-0664	12:13:33 AM	12:15:30 AM	0
Van Mack Electric (Business Fax)	+1 (815) 725-7888	12:15:30 AM	12:17:38 AM	0
Western Utility Electric Contractors (Business Fax)	+1 (708) 235-1410	12:17:38 AM	12:19:26 AM	0

The fax failed to be sent to the following recipients: Recipient name	Recipient number	Transmission start	Transmission end	Retries	Last error
Jamm Electric (Business Fax)	+1 (630) 499-7751	2:49:17 AM	2:50:34 AM	4	No answer



SITE GENERAL CONTRACTORS
 ASPHALT PAVING MIXTURES
 PAVING CONTRACTORS

18100 South Indiana Ave
 Thomson, IL 60476
 Phone #: (708) 877-7160
 Fax #: (708) 877-5222
www.gallagherasphalt.com

Invitation to Bid

Attention: Estimating Department

Date: 01/30/12

From: Mike Brunke
 mbrunke@gallagherasphalt.com

Project: CCHD - Wentworth Avenue
 Ridge Road to Glenwood-Lansing Road
 Lansing, IL

We invite you to bid with us the above mentioned project. Listed below are the pay items in your work category. **All DBE subcontractors are required to submit their DBE Utilization Plans and Letter of Intent with their quote.**

Item #	Item Description	Quantity	Uom
132	COND. IN TRENCH, 2" DIA., GALV. STEEL	545.00	FOOT
133	COND. IN TRENCH, 2.5" DIA., GALV. STEEL	106.00	FOOT
134	COND. IN TRENCH, 4" DIA., GALV. STEEL	18.00	FOOT
135	COND. PUSHED, 4" DIA., GALV. STEEL	233.00	FOOT
136	HANDHOLE	5.00	EACH
137	HEAVY-DUTY HANDHOLE	2.00	EACH
138	DOUBLE HANDHOLE	1.00	EACH
139	TRENCH & BACKFILL FOR ELECT. WORK	669.00	FOOT
140	MAINT. OF EXIST. TRAFFIC SIG. INSTALL	3.00	EACH
141	FULL-ACTUATED CONTR. & TY 4 CABINET	1.00	EACH
142	ELEC. CABLE IN COND., SIGNAL NO 14 3C	307.00	FOOT
143	ELEC. CABLE IN COND. SIGNAL, NO 14 5C	1,560.00	FOOT
144	ELEC. CABLE IN COND., SIGNAL, NO 14 7C	560.00	FOOT
145	ELEC. CABLE IN COND., LEAD-IN, NO 14 1 PAIR	1,057.00	FOOT
146	ELEC. CABLE IN COND., SERVICE NO 6 2C	2,605.00	FOOT
147	ELEC. CABLE IN COND., NO 20 3C, TWIST SHIELDED	307.00	FOOT
148	TRAF. SIGNAL POST, GALV. STEEL 14'	3.00	EACH
149	TRAF. SIGNAL POST, GALV. STEEL 16 FT	1.00	EACH
150	STEEL MAST ARM ASSEM. & POLE, 24 FT	1.00	EACH
151	STEEL MAST ARM ASSEM. & POLE, 30 FT	1.00	EACH
152	STEEL MAST ARM ASSEM. & POLE, 36 FT	1.00	EACH
153	STEEL MAST ARM ASSEM. & POLE, 50 FT	1.00	EACH
154	CONCRETE FOUNDATION, TYPE A	20.00	FOOT
155	CONCRETE FOUNDATION, TYPE C	4.00	FOOT
156	CONC. FOUNDATION, TYPE E - 30 IN DIA	10.00	FOOT
157	CONC. FOUNDATION, TYPE E - 36 IN DIA	45.00	FOOT
158	SIG. HEAD, LED, 1-F, 3-SEC, MA MOUNTED	2.00	EACH
159	SIG. HEAD, LED, 1-F, 3-SEC, BR. MOUNTED	6.00	EACH
160	SIG. HEAD, LED, 1-F, 5-SEC, BR. MOUNTED	2.00	EACH
161	SIG. HEAD, LED, 1-F, 5-SEC, MA MOUNTED	2.00	EACH
162	TRAF. SIG. BACKPLATE, LOUVERED, ALUM	8.00	EACH
163	INDUCTIVE LOOP DETECTOR	6.00	EACH
164	DETECTOR LOOP, TYPE 1	546.00	FOOT
165	LIGHT DETECTOR	2.00	EACH
166	LIGHT DETECTOR AMPLIFIER	1.00	EACH
167	SERVICE INSTALL, POLE MOUNTED	1.00	EACH
168	RELOCATE EXIST LIGHT STD & LUM COMPLETE IN-PLACE	3.00	EACH
169	TEMP TRAFFIC SIGNAL INSTALLATION	1.00	EACH
170	REMOVE EXIST TRAF SIGNAL EQUIPMENT	1.00	EACH
171	REMOVE EXISTING HANDHOLE	5.00	EACH
172	REMOVE EXISTING CONCRETE FOUNDATION	10.00	EACH
173	REMOVE SIGN PANEL ASSEMBLY, TYPE A	90.00	EACH
174	REMOVE SIGN PANEL ASSEMBLY, TYPE B	1.00	EACH
175	REMOVE, STOCKPILE AND REPLACE SIGN PANEL AND SIGN PANEL ASSEM	23.00	EACH
176	UNINTERRUPTABLE POWER SUPPLY	1.00	EACH
182	ELEC CABLE IN COND, GROUNDING NO 6 1C	466.00	FOOT
218	SOLAR FLASHING BEACON SYSTEM	2.00	EACH

PLEASE NOTE THAT CERTIFIED PAYROLL IS REQUIRED ON THIS PROJECT
 **** Plans and Specs are available on the Cook County Web Site.

Bid Due Date to Owner: February 15, 2012 @ 10:00 AM
 Bid Due Date to Gallagher: February 14, 2012 @ 10:00 AM

Subcontractor's Name: _____ DBE Yes No

Contact: _____

 Yes, I will be bidding.

 No, I will not be bidding.

 PLEASE REMOVE ME FROM YOUR MAILING LIST!

SEE THE NEXT PAGE FOR SUBCONTRACTOR QUOTE REQUIREMENTS



SITE GENERAL CONTRACTORS

ASPHALT PAVING MIXTURES

PAVING CONTRACTORS

18100 South Indiana Ave

Thomton, IL 60476

Phone #: (708) 877-7160

Fax #: (708) 877-5222

www.gallagherasphalt.com

Project: CCHD - Wentworth Avenue
Ridge Road to Glenwood-Lansing Road
Lansing, IL

Date: 01/30/12

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Mike Brunke

From: fax@gallagherasphalt.com
Sent: Tuesday, January 31, 2012 2:53 AM
To: Mike Brunke
Subject: Fax was not successfully sent to 46 recipients. Canceled: 0 recipient(s). Failed: 3 recipient(s).
Attachments: Fax.Tif

Fax was not successfully sent to 46 recipients. Canceled: 0 recipient(s). Failed: 3 recipient(s).

Fax submitted: 9:40:55 AM

To server: GACO1

Number of pages: 3

The fax was successfully sent to the following recipients: Recipient name	Recipient number	Transmission start	Transmission end	Retries
Airy's Inc. (Business Fax)	+1 (708) 429-0795	12:19:26 AM	12:22:08 AM	0
Alsterda Construction (Business Fax)	+1 (708) 385-7657	12:22:09 AM	12:24:51 AM	0
April-Cobra Enterprises Inc. (DBE) (Business Fax)	+1 (847) 382-1787	12:24:51 AM	12:27:34 AM	0
ARC Underground Inc. (DBE) (Business Fax)	+1 (773) 235-4121	12:27:34 AM	12:30:16 AM	0
Azteca Power Construction (DBE) (Business Fax)	+1 (773) 643-0808	12:30:16 AM	12:32:37 AM	0
Barone Contracting (Business Fax)	+1 (847) 289-0320	12:32:38 AM	12:35:31 AM	0
Bisping Construction Co. (Business Fax)	+1 (815) 485-9640	12:35:31 AM	12:37:57 AM	0
Brandolino Construction Co. (Business Fax)	+1 (815) 744-3715	12:37:57 AM	12:40:58 AM	0
Cabo Construction & Associates (DBE) (Business Fax)	+1 (773) 521-2228	12:40:58 AM	12:43:36 AM	0
Calumet City Plumbing (Business Fax)	+1 (708) 868-0102	12:43:36 AM	12:46:08 AM	0
Construction by Camco (Business Fax)	+1 (815) 741-4498	12:46:08 AM	12:49:39 AM	0
D. E. Thompson Excavating (Business Fax)	+1 (815) 467-7681	12:49:39 AM	12:52:29 AM	0
DNB Construction (DBE) (Business Fax)	+1 (630) 782-0147	12:52:29 AM	12:55:21 AM	0
Dynamicx Enterprises (DBE) (Business Fax)	+1 (708) 929-	12:55:21 AM	12:57:27 AM	0

	4553			
Ed Weathersby & Sons (DBE) (Business Fax)	+1 (708) 331-2332	12:57:27 AM	12:59:30 AM	0
Fiordirosa Construction Co. (Business Fax)	+1 (847) 697-5590	1:00:01 AM	1:02:51 AM	0
Hamilton Construction Inc. (DBE) (Business Fax)	+1 (773) 830-1570	1:02:51 AM	1:04:46 AM	0
Humir Construction (DBE) (Business Fax)	+1 (773) 801-1442	1:04:46 AM	1:07:23 AM	0
J S Construction Co. Alberico (Business Fax)	+1 (815) 722-2575	1:07:23 AM	1:10:52 AM	0
John Russ & Company (Business Fax)	+1 (815) 729-3086	1:10:52 AM	1:13:47 AM	0
JSR Enterprises Inc. (Business Fax)	+1 (708) 206-1879	1:13:47 AM	1:16:35 AM	0
Knowles Construction (Business Fax)	+1 (815) 485-1009	1:16:35 AM	1:19:05 AM	0
Len Cox & Sons Excavating (Business Fax)	+1 (815) 730-7705	1:19:05 AM	1:23:00 AM	0
LGS Plumbing (Business Fax)	+1 (219) 662-2788	1:23:00 AM	1:25:13 AM	0
M&J Underground (Business Fax)	+1 (708) 534-6521	1:25:13 AM	1:27:20 AM	0
Naperville Excavating (Business Fax)	+1 (630) 355-6906	1:27:20 AM	1:29:29 AM	0
Norridge Sewer & Water (Business Fax)	+1 (847) 455-8533	1:29:29 AM	1:32:58 AM	0
Pan-Oceanic Engineering Co. Inc. (DBE) (Business Fax)	+1 (773) 601-8409	1:34:12 AM	1:36:45 AM	0
Ray Edwards Contractors (Business Fax)	+1 (815) 727-2188	1:36:45 AM	1:39:46 AM	0
Ricci/Welch Inc. (Business Fax)	+1 (847) 342-0239	1:39:46 AM	1:42:18 AM	0
Riccio Construction (Business Fax)	+1 (708) 301-1921	1:42:18 AM	1:45:59 AM	0
Rula's Enterprises (DBE) (Business Fax)	+1 (708) 354-4312	1:45:59 AM	1:48:04 AM	0
SA ISSERT Construction Inc. (Business Fax)	+1 (815) 476-5026	1:48:05 AM	1:50:25 AM	0
Scanlon Excavating & Concrete (DBE) (Business Fax)	+1 (815) 937-5971	1:50:26 AM	1:52:48 AM	0
Seven D Construction (DBE) (Business Fax)	+1 (773) 735-2623	1:52:48 AM	1:55:23 AM	0

Sheridan Plumbing & Sewer (Business Fax)	+1 (630) 366-2488	1:55:23 AM	1:57:54 AM	0
Stott Contracting LLC (Business Fax)	+1 (815) 942-0785	1:59:10 AM	2:02:10 AM	0
Straightline Excavating (Business Fax)	+1 (708) 474-6976	2:02:10 AM	2:04:48 AM	0
Suburban General Const (Business Fax)	+1 (708) 354-6236	2:04:48 AM	2:10:24 AM	0
Sumit Construction Co. Inc. (DBE) (Business Fax)	+1 (773) 276-4644	2:10:24 AM	2:12:49 AM	0
Tenco Excavating (Business Fax)	+1 (815) 929-9016	2:12:49 AM	2:15:29 AM	0
United Enterprise (DBE) (Business Fax)	+1 (708) 924-9049	2:15:29 AM	2:18:04 AM	0
Western Utility Contractors. (Business Fax)	+1 (708) 235-1410	2:18:04 AM	2:20:26 AM	0

The fax failed to be sent to the following recipients: Recipient name	Recipient number	Transmission start	Transmission end	Retries	Last error
Ellis Contractors Inc. (DBE) (Business Fax)	+1 (847) 364-0784	2:50:34 AM	2:51:50 AM	4	No answer
OZOH Engineering & Construction (DBE) (Business Fax)	+1 (708) 798-4268	2:51:50 AM	2:53:04 AM	4	No answer
Steve Speiss Construction (Business Fax)	+1 (815) 469-2449	2:53:04 AM	2:53:21 AM	4	Busy



SITE GENERAL CONTRACTORS
 ASPHALT PAVING MIXTURES
 PAVING CONTRACTORS

18100 South Indiana Ave
 Thomson, IL 60476
 Phone #: (708) 877-7160
 Fax #: (708) 877-5222
 www.gallegherasphalt.com

Invitation to Bid

Attention: Estimating Department

Date: 01/30/12

From: Mike Brunke
 mbrunke@gallegherasphalt.com

Project: CCHD - Wentworth Avenue
 Ridge Road to Glenwood-Lansing Road
 Lansing, IL

We invite you to bid with us the above mentioned project. Listed below are the pay items in your work category. **All DBE subcontractors are required to submit their DBE Utilization Plans and Letter of Intent with their quote.**

Item #	Item Description	Quantity	Uom
196	BAR SPLICERS	36.00	EACH
197	CONCRETE BOX CULVERTS	13.00	CU YD
198	FINE OR COARSE AGGREGATE EMBANKMENT	222.00	CU YD
201	JUNCTION CHAMBER	1.00	EACH
202	PIPE CULVERT, TYPE I (AASHTO M-36) 64 IN X 43 IN	6.00	FOOT
203	PRECAST CONCRETE BOX CULVERTS, 6 FT X 4 FT	72.00	FOOT
204	REINFORCEMENT BARS, EPOXY COATED	2,440.00	POUND
205	RELOCATE TEMP. CONC. BARRIER	120.00	FOOT
206	REMOVAL OF EXISTING STRUCTURES	1.00	EACH
207	TEMPORARY CONCRETE BARRIER	120.00	FOOT
208	TEMPORARY SHEET PILING	2,036.00	SQ.FT
209	TEMPORARY SOIL RETENTION SYSTEM	45.00	SQ.FT
212	STRUCTURE EXCAVATION	35.00	CU YD
7	TRENCH BACKFILL	7,296.00	CU YD
47	CONCRETE COLLAR	1.00	CU YD
48	PIPE UNDERDRAINS, 6 IN	357.00	FOOT
49	S.S., TYPE 1 (RCCP CLASS IV) 12 IN	997.00	FOOT
50	S.S., TY 1 (RCCP CLASS IV) 15 IN	64.00	FOOT
51	S.S., TY 1 (RCCP CLASS IV) 21 IN	8.00	FOOT
52	S.S., TY 1 (RCCP CLASS IV) 24 IN	68.00	FOOT
53	S.S., TY 1 (RCCP CLASS III) 30 IN	193.00	FOOT
54	S.S., TY 1 (RCCP CLASS III) 36 IN	170.00	FOOT
55	S.S., TY 1 (RCCP CLASS II) 42 IN	290.00	FOOT
56	S.S., TY 1 (RCCP CLASS I) 48 IN	725.00	FOOT
57	S.S., CL A, TY 1 EQUIV. ROUND-SIZE 30 IN	281.00	FOOT
58	S.S., CL A, TY 1 EQUIV. ROUND-SIZE 36 IN	210.00	FOOT
59	S.S., CL A, TY 1 EQUIV. ROUND-SIZE 42 IN	227.00	FOOT
60	S.S., CL A, TY 1 EQUIV. ROUND-SIZE 48 IN	997.00	FOOT
61	S.S., TY 2 (RCCP CLASS III) 12 IN	2,897.00	FOOT
62	S.S., TY 2 (RCCP CLASS III) 15 IN	428.00	FOOT
63	S.S., TY 2 (RCCP CLASS III) 18 IN	406.00	FOOT
64	S.S., TY 2 (RCCP CLASS III) 24 IN	1,025.00	FOOT
65	S.S., TY 2 (RCCP CLASS III) 30 IN	605.00	FOOT
66	S.S., TY 2 (RCCP CLASS III) 36 IN	160.00	FOOT
67	S.S., TY 2 (RCCP CLASS III) 42 IN	120.00	FOOT
68	S.S., TY 1 (D.I.P. AWWA C151) 12 IN	209.00	FOOT
69	S.S., TY 1 (D.I.P. AWWA C151) 24 IN	191.00	FOOT
70	S.S., TY 2 (D.I.P. AWWA C151) 30 IN	4.00	FOOT
71	S.S., TY 1, RUB. GASKET (RCCP CL. 3) 60" X 38"	30.00	FOOT
72	S.S., TY 2 (D.I.P. AWWA C151) 12 IN	360.00	FOOT
73	S.S., TY 2 (D.I.P. AWWA C151) 18 IN	87.00	FOOT
74	S.S., CL 52 (D.I.P. AWWA C151) 8 IN	44.00	FOOT
75	S.S. (DUCTILE IRON PIPE) 10 IN	20.00	FOOT
76	M.H., TY A, 4' DIA w TY 1 FRAME, CL	4.00	EACH
78	M.H., TY A, 5' DIA w TY 1 F&G, CL(w OVERFLOW WEIR)	1.00	EACH
79	M.H., TY A, 5' DIA w TY 1 FR, CL(w RESTRICTOR PLATE)	1.00	EACH
80	M.H., TY A, 6' DIA w TY 1 FRAME, CL	11.00	EACH
81	M.H., TY A, 6' DIA w TYPE 8 GRATE	1.00	EACH
82	M.H., TY A, 7' DIA w TY 1 FRAME, CL	13.00	EACH
83	STORMWATER POLL. SEP. SYSTEM HS60	1.00	EACH
84	STORMWATER POLL. SEP. SYSTEM HS96	1.00	EACH
85	DUCKBILL ELAST. CHECK VALVE, 24 IN	2.00	EACH
86	DUCKBILL ELAST. CHECK VALVE, 48 IN	1.00	EACH
87	STORMWATER POLL. SEP. SYS. (SPECIAL), 3K	2.00	EACH
88	INLETS, TY A, 2' DIA w TY A-23 F & G	39.00	EACH
89	INLETS, TY A, 2' DIA w TY B GRATE	7.00	EACH
90	C.B., TY A2, 4' DIA w TY A-23 F&G	80.00	EACH
91	C.B., TY A2, 4' DIA WITH TYPE 8 GRATE	9.00	EACH
92	C.B., TY A2, 5' DIA w TYPE A-23 F&G	3.00	EACH
93	C.B., TY C, 2' DIA w TY A-23 F & G	19.00	EACH
94	C.B., TY C, 2' DIA w TY 8 GRATE	7.00	EACH
95	FR & GRATES TO BE ADJUSTED, SPECIAL	19.00	EACH
96	WATER VALVE BOXES TO BE ADJUSTED	6.00	EACH
97	REMOVING MANHOLES	19.00	EACH
98	REMOVING CATCH BASINS	23.00	EACH
99	REMOVING INLETS	1.00	EACH



SITE GENERAL CONTRACTORS
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18100 South Indiana Ave
 Thornton, IL 60476
 Phone #: (708) 877-7160
 Fax #: (708) 877-5222
 www.gallagherasphalt.com

Invitation to Bid

Attention: Estimating Department

Date: 01/30/12

From: Mike Brunke
 mbrunke@gallagherasphalt.com

Project: CCHD - Wentworth Avenue
 Ridge Road to Glenwood-Lansing Road
 Lansing, IL

We invite you to bid with us the above mentioned project. Listed below are the pay items in your work category. **All DBE subcontractors are required to submit their DBE Utilization Plans and Letter of Intent with their quote.**

Item #	Item Description	Quantity	Uom
100	STORM SEWER REMOVAL, 6 IN	156.00	FOOT
101	STORM SEWER REMOVAL, 8 IN	24.00	FOOT
102	STORM SEWER REMOVAL, 10 IN	124.00	FOOT
103	STORM SEWER REMOVAL, 12 IN	685.00	FOOT
104	STORM SEWER REMOVAL, 15 IN	226.00	FOOT
105	STORM SEWER REMOVAL, 18 IN	694.00	FOOT
106	STORM SEWER REMOVAL, 30 IN	807.00	FOOT
107	STORM SEWER REMOVAL, 36 IN	1,125.00	FOOT
108	STORM SEWER REMOVAL, 48 IN	2,013.00	FOOT
109	SANITARY SEWER REMOVAL, 8 IN	61.00	FOOT
110	FORCEMAIN REMOVAL, 8 IN	2,301.00	FOOT
111	PIPE CULVERT REMOVAL, 12 IN	103.00	FOOT
112	PIPE CULVERT REMOVAL, 24 IN	177.00	FOOT
113	BOX CULVERT REMOVAL	61.00	FOOT
114	CONCRETE HEADWALL REMOVAL	1.00	EACH
115	PLUG EXIST DRAINS & SEWERS (12" OR LESS)	1.00	EACH
186	WATER MAIN (D.I. CL 52) w/ POLY ENCASE 8"	130.00	FOOT
187	WATER MAIN (D.I. CL 52) w/ POLY ENCASE 10"	60.00	FOOT
188	WATER MAIN (D.I. CL 52) w/ POLY ENCASE 16"	106.00	FOOT
189	WATER MAIN (D.I. CL 52) w/ POLY ENCASE 24"	50.00	FOOT
190	DUCTILE IRON FITTINGS	10,800.00	POUND
191	WATER MAIN REMOVAL, 8 IN	130.00	FOOT
192	WATER MAIN REMOVAL, 10 IN	60.00	FOOT
193	WATER MAIN REMOVAL, 16 IN	106.00	FOOT
194	WATER MAIN REMOVAL, 24 IN	50.00	FOOT
195	ADJUST FIRE HYD WITH AUXILIARY VALVE	3.00	EACH
210	STONE RIP RAP, CLASS A4	160.00	SQ YD
211	FILTER FABRIC FOR USE WITH RIPRAP	160.00	SQ YD
219	PIPE ELBOW, 63"x38" ELLIPTICAL	2.00	EACH
220	M.H., TY A, 5' DIA w/ TY 1 FRAME, CL	23.00	EACH
221	INLETS, TY A, 2' DIA w/ TY 1 FRAME, CL	5.00	EACH
222	C.B., TY C, 2' DIA w/ TY 1 FRAME, CL	8.00	EACH
223	M.H. ELLIP. PRE "T" (63"x38" ELLIP.) w/ TY 1 FRAME, CL	2.00	EACH

PLEASE NOTE THAT CERTIFIED PAYROLL IS REQUIRED ON THIS PROJECT
 **** Plans and Specs are available on the Cook County Web Site.

Bid Due Date to Owner: February 15, 2012 @ 10:00 AM
Bid Due Date to Gallagher: February 14, 2012 @ 10:00 AM

Subcontractor's Name: _____ DBE Yes No

Contact: _____

 Yes, I will be bidding.

 No, I will not be bidding.

 PLEASE REMOVE ME FROM YOUR MAILING LIST!

SEE THE NEXT PAGE FOR SUBCONTRACTOR QUOTE REQUIREMENTS



SITE GENERAL CONTRACTORS
 ASPHALT PAVING MIXTURES
 PAVING CONTRACTORS

18100 South Indiana Ave
 Thomson, IL 60476
 Phone #: (708) 877-7160
 Fax #: (708) 877-5222
www.gallagherasphalt.com

Invitation to Bid

Attention: Estimating Department
From: Mike Brunke
 mbrunke@gallagherasphalt.com
Project: CCHD - Wentworth Avenue
 Ridge Road to Glenwood-Lansing Road
 Lansing, IL

Date: 01/30/12

We invite you to bid with us the above mentioned project. Listed below are the pay items in your work category. **All DBE subcontractors are required to submit their DBE Utilization Plans and Letter of Intent with their quote.**

Item #	Item Description	Quantity	Uom
SITE GENERAL CONTRACTORS		18100 South Indiana Ave	Thomson, IL 60476
ASPHALT PAVING MIXTURES		Phone #: (708) 877-7160	Fax #: (708) 877-5222
PAVING CONTRACTORS		www.gallagherasphalt.com	

Project: CCHD - Wentworth Avenue
 Ridge Road to Glenwood-Lansing Road
 Lansing, IL

Date: 01/30/12

Subcontractor Quote Requirements

- Please include a total with your quote.
- Please provide your quote no later than the "Bid Due Date to Gallagher" shown above. Due to DBE requirements on IDOT projects, please provide your quote no later than 12:00 PM on the Wednesday before the Friday letting day.
- All quotes are considered to be firm for thirty days after the award of the contract.
- It is strongly recommended that all subcontractors review the project's plans and specifications PRIOR to submitting their quote. These documents are available in our Thomson office. IDOT projects are available on their website (<http://www.dot.state.il.us/deserv/delatt.html>). Please contact us if you require any assistance in utilizing these documents.
- Prior to submitting a quote, subcontractors are encouraged to view Gallagher Asphalt's subcontract agreement and become fully aware of it's content. This document can be viewed in our Thomson office.
- Subcontractor is responsible for determining the means and methods of completed the quoted work. If requested, we can assist you in obtaining the equipment, supplies, materials or services to complete the work.
- All publicly funded work requires certified payrolls. Include the cost of this requirement in your quote. For IDOT projects the federal rates can be view at <http://www.dot.state.il.us/waagerates/wage1.html> or contact Gallagher Asphalt if you require assistance in determining the correct wage rate.
- Quotes to include the cost to provide and maintain all necessary and required safety measures as per the Owner's and Gallagher Asphalt's safety plan.
- Time is of the essence of the contract. Subcontractor may need to work longer hours, use additional crews and work nights or weekends to complete the work within the required time limit. No additional compensation will be granted to meet this requirement.
- Subcontractors are required to comply with Public Act 095-0635 (cited as "Substance Abuse Prevention on Public Work Project Act").
- Subcontractor is required to carry insurance coverage's meeting or exceeding the contract requirements of the project and as detailed in Gallagher Asphalt's subcontract agreement. Please make us aware of any assistance you may need in meeting this requirement.
- Do not include the cost of a bond in your quote. If required, Gallagher Asphalt will pay for this cost.
- Please make us aware of any assistance you may require in obtaining financing or lines of credit to complete this work.
- Per IDOT, all contractors and subcontractors must participate in Apprenticeship and Training Programs that are both approved and registered with the U.S. Department of Labor's Bureau of Apprenticeship and Training. The participation will be based on the trades that perform work on IDOT contracts. Proof of this compliance may be required.
- Subcontractors are expected to participate in providing Trainee Hours if required in the bid documents.
- All items quoted are to be complete and include any incidental costs associated with that item.
- All quotes for removals and excavation are to include any sawcutting and proper disposal of removed materials.
- Quotes are to include the removal of all spoils.
- Subcontractor is responsible for cleaning up after their work.
- All concrete work is to include QC/QA testing cost. If not included, please make note in your quote.
- If required, quote is to include the cost of providing certified flaggers for your work. Traffic control devices will be provided by Gallagher Asphalt, any set up or takedown of lane closures are to be done by the subcontractor.

HW-96-W6606-01-RP, WENTWORTH AVENUE--GLENWOOD-LANSING ROAD TO RIDGE ROAD (26) HIGHWAY DEPARTMENT, Date Posted 2012-02-09, Bid Open 201
A to Z Construction Layout, 6929 W. 109th Avenue, Crown Point, IN Contact Person: Ken Adler Tel: 219-663-3355 Fax: 219-663-1620
Accurate Steel Installers, 14631 S. New Avenue, Lockport, IL Contact Person: Peter Hillmann Tel: 815-838-5785 Fax:
Acme Construction, 69 West Washington Street, Chicago, IL Contact Person: Joe Contractor Tel: 312-603-1714 Fax:
ACURA INC., 556 COUNTY LINE ROAD, BENSENVILLE, IL Contact Person: DOMENICO DIGIOIA Tel: 630-766-9979 Fax: 630-766-6826
ADVANCE IRON WORKS, INC, ADVANCE IRON WORKS, INC., EAST HAZEL CREST, IL Contact Person: ROBERT SUTPHEN Tel: 708-798-3540 Fax:
Advanced Asphalt Co, Po Box 234, Princeton, IL Contact Person: Brad Bruins Tel: 815-872-9911 Fax:
AECOM, 303 East Wacker Drive, Chicago, IL Contact Person: Timothy Whalen Tel: 3123736736 Fax:
A-K UNDERGROUND INC., 8119 NOTTINGHAM ROAD, TINLEY PARK, IL Contact Person: AL KULIG Tel: 7085321212 Fax: 7085323530
Aldridge Electric, Inc, 844 E. Rockland Rd., Libertyville, IL Contact Person: Andrea Nugent Tel: 847-247-5274 Fax:
Alfredo's Iron Works, Inc., 815 Oak St. Ste. 4, DeKalb, IL Contact Person: Josue Gonzalez Tel: 815 748 1177 Fax: 815 758 8436
ALPHA CONSTRUCTION CO., 1340 W. 171ST, Hazel Crest, IL Contact Person: KEITH ARQUILLA Tel: 708-335-2323 Fax: 708-335-0760
Ambassador Steel Bridge and Paving Supply, LL, 100 Tower Drive, Bur Ridge, IL Contact Person: Brad Waddell Tel: 630-920-0600 Fax: 630-920-1436
AZTECA POWER CONSTRUCTION, 6110 S. LASALLE, CHICAGO, IL Contact Person: BILL WELCH Tel: 773 457-1876 Fax: 773 643-0808
B & G Survey Company, Inc., 2551 Bernice Road, Lansing, IL Contact Person: Gretchen Westerkamp Tel: 708-474-9360 Fax: 708-474-9303
Baumgartner Construction Inc., 30 W 751 North Aurora Road, Naperville, IL Contact Person: Rich Baumgartner Tel: 630-420-0474 Fax: 630-596-5071
Benchmark Construction, 2260 Southwind Blvd., Bartlett, IL Contact Person: Dominick Fiordrosa Tel: 630-497-1700 Fax: 630-497-1737
Beverly Lawn Maintenance, 16504 Dixie Hwy, Markham, IL Contact Person: Alex Straughn Tel: 7085167826 Fax: 7083314887
BidClerk, 28 N Clark, Chicago, IL Contact Person: Jim Rittenhouse Tel: 877-737-6482 Fax: 312-275-7197
BIDNET, 20A RAILROAD AVENUE, ALBANY, NY Contact Person: NANCE RIVERS Tel: 800-677-1997 Fax: 800-721-6985
Bidtool.net, One Oakbrook Terrace, Oak Brook Terrace, IL Contact Person: Maria Shelby Tel: 888-506-7613 Fax: 630-214-3924
Brothers Asphalt Inc, 315 S Stewart ave, Addison, IL Contact Person: mohamed yousuf Tel: 6304581762 Fax:
Burling Builders, Inc., 44 W. 60th Street, Chicago, IL Contact Person: Paul Sowa Tel: 312-859-3769 Fax:
C&M Pipe & Supply Co., Inc, 19800 S. toney Island Ave., Lynwood, IL Contact Person: Marty Flynn Tel: 708-474-8650 Fax: 708-474-0660
C.R. Schmidt, Inc., 29W002 main street, warrenville, IL Contact Person: John Lockett Tel: 6302935885 Fax: 6302937030
Cabo Construction Corp., 1270 Kilborn Ave, Chicago, IL Contact Person: Jon Gabric Tel: 773-791-5756 Fax: ~~773-791-5756~~ *NOT WORKING*
Capitol Cement Company, Inc., 6231 N Pulaski Rd, Chicago, IL Contact Person: Carlos Lopez Tel: 7734782200 Fax: 7734784646
Capitol Cemnt Co., 6231 N. Pulaski, Chicago, IL Contact Person: Valentin Schiop Tel: 773-478-2200 Fax:
CARRERA CONCRETE CONSTRUCTION, 1395 Louis Ave., Elk Grove Village, IL Contact Person: Jose Carrera Tel: 8472903900 Fax: 8472903901
CDF, 375 W. First Street, Elmhurst, IL Contact Person: Eric Otto Tel: 630-559-2000 Fax: 630-559-2030
Chicago Structures LLC, 306 W. Campus Drive, Arlington Heights, IL Contact Person: Glen Esche Tel: 847.670.5534 Fax: 847.670.5536
Chicago Testing Laboratory, Inc., 1612 Landmeier Rd #C, Elk Grove Village, IL Contact Person: Christopher Chan Tel: 847-228-1079 Fax:
Chicagoland Paving Contractors, Inc., 225 Telser Road, Lake Zurich, IL Contact Person: William Bowes Tel: 8475509681 Fax: 8475509684
City Lights, LTD., 9993 Virginia Ave, Chicago Ridge, IL Contact Person: John Candelaria Tel: 708-581-7110 Fax: 773-626-8310
City Lights, Ltd., 9993 Virginia Avenue, Chicago Ridge, IL Contact Person: Cheryl Foley Tel: 708-581-7123 Fax: 773-626-5415
Civil Contractor & Engineers, Inc., 9036 Oconto, Morton Grove, IL Contact Person: Jay Boban Tel: 708-945-3803 Fax: 847-965-1277

NOT WORKING
NOV 15 2012
COMB

Y-YES
N-NO
LM-LEFT MESSAGE

Clean Cut Tree Service, Inc., PO Box 545, Lake Villa, IL Contact Person: Kelly Kelly Tel: 847-265-0000 Fax: 847-265-0005
MM Group, Inc., 17704 Paxton Avenue, Lansing, IL Contact Person: Michael Bergin Tel: 708-251-5910 Fax: 708-251-5912
Concrete Specialties Co., 1375 Gifford Road, Elgin, IL Contact Person: Jim Teske Tel: 708-339-7765 Fax: 708-339-3706
Concrete Specialties Co., 900 W. 9th Street, Lockport, IL Contact Person: Paul Becerra Tel: (815) 834-0320 Fax:
Concrete Structures of the Midwest, Inc., 1845 Western Drive, West Chicago, IL Contact Person: James Ryan Tel: 630-293-5775 Fax: 630-293-5814
Construction Video Media, Inc., 111 E Newberry St, Romeo, MI Contact Person: Karen Stachkuris Tel: 586-752-2580 Fax: 586-752-2301
Contech Construction Products Inc., 1200 Harger Road, Oak Brook, IL Contact Person: Sue Collins Tel: 630-573-1110 Fax: 630-573-0079
Contract Compliance, 118 N. Clark, Chicago, IL Contact Person: SERGIO SILVA Tel: 312-603-5574 Fax: 312-603-4547
Cook County Department of Highways - Contract, 69 West Washington Street - Room 2200, Chicago, IL Contact Person: Elaine McLaughlin Tel: 312-603-9944
Cook County Highway Department, 69 West Washington Street, Chicago, IL Contact Person: Frank Williams Tel: 312-603-1745 Fax: 312-603-9944
Cook County, 118 N. Clark, Chicago, IL Contact Person: Cho Ng Tel: 312-603-2391 Fax:
Cook County, 118 N. Clark, Chicago, IL Contact Person: Diamond Ziegler Tel: 7738278797 Fax:
Cook County highway department, 69 WEST WASHINGTON STREET, Chicago, IL Contact Person: MOHAMMED SAYEED Tel: 312-603-1733 Fax:
CSD Environmental Services, 2220 Yale Boulevard, Springfield, IL Contact Person: Joseph Truesdale Tel: 217-522-4085 Fax: 217-522-4087
D Construction, Inc., 1488 S Broadway, Coal City, IL Contact Person: Robert Male Tel: 815-634-2555 Fax: 815-634-8748
D Construction, Inc., 1844 S Broadway, Coal City, IL Contact Person: Alex Rendina Tel: 815-634-2555 Fax:
D. Construction, Inc., 1488 So. Broadway, Coal City, IL Contact Person: Alicia Blackwell Tel: 815-634-2555 Fax: 815-634-8748
D.N.O SERVICES, INC., P.O. BOX 4591, Chicago, IL Contact Person: BENNY NELSON Tel: 815-378-0544 Fax: 888-443-7840
Davis Concrete Construction Co., 11633 S. Mayfield Avenue, Alsip, IL Contact Person: Jim Grutzius Tel: 708-388-1100 Fax: 708-388-9642
Dayton Superior Corp., 705 5th Ave, Decatur, IA Contact Person: Andrew Wyckoff Tel: 563.379.7820 Fax:
del toro landscaping, 18n061 galligan rd, dundee, IL Contact Person: Juan ruiz Tel: 847 426 7200 Fax: 847 426 0459
Diamond Coring Co., Inc., 11800 S. Ewing Ave., Chicago, IL Contact Person: Joe Juchas Tel: 773-978-5000 Fax: 773-978-5314
Diamond Coring, 11800 S Ewing Ave, Chicago, IL Contact Person: Jon Dorgan Tel: 7739785000 Fax:
DiPaolo Company, 4350 Di Paolo Center, Glenview, IL Contact Person: David Di Paolo Tel: 847-699-8000 Fax:
Divane Bros. Electric Co., 2424 North 25th Avenue, Franklin Park, IL Contact Person: Julie Barr Tel: (847) 455-7143 X 5271 Fax: (847) 455-7143
Dominic Fiordirosa Construction Company, Inc., 956 Bluff City Blvd, Elgin, IL Contact Person: Michael Allenstein Tel: 8476975540 Fax:
Domor Equipment, LLC, 925 W Center Street, Eureka, IL Contact Person: Teresa Swiger Tel: 3094673483 Fax:
Dyer Construction Company, Inc., 1716 Sheffield Ave, Dyer, IN Contact Person: Greg Furman Tel: 219-865-2961 Fax: 219-865-2963
E J, 310 Garnet Drive, New Lenox, IL Contact Person: Peg Kauffhold Tel: 815-740-1640 Fax:
EarthWorks Land Improvement & Development Cor, 1240 Lyon Road, Batavia, IL Contact Person: Lora Davies Tel: 630-482-2341 Fax: 630-482-2342
ELMHURST CHICAGO STONE, 400 W. FIRST ST., ELMHURST, IL Contact Person: BOB BOSWORTH Tel: 630 832 4000 X 1238 Fax: 630 832 0140
Elmund & Nelson, 606 Littleton Trail, Elgin, IL Contact Person: Krystyna Fularowicz Tel: 847-695-7000 Fax:
ERO-TEX, 925 N Oak Lawn Avenue, Elmhurst, IL Contact Person: BRIAN ERICSON Tel: 847-899-9451 Fax:
Everstone Construction, 2801 Meyers Road, Oak Brook, IL Contact Person: Alocs Ho Tel: 630-772-9393 Fax:
EXATONE, INC., 4250 N Marine Dr. suite 2822, Chicago, IL Contact Person: Exquilyn Stanford Brown Tel: 312 848-6646 Fax: 773 975-8048
Faso Excavating Co, 137 East 17th Street, Chicago Heights, IL Contact Person: John Faso Tel: 708-757-5313 Fax: 708-754-7771

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FluidClarity Ltd., 1144 West Lake St., Oak Park, IL Contact Person: Donald Rericka Tel: 708-383-3500 Fax: 708-383-3549
G&V Construction, 371 S Evergreen, Bensenville, IL Contact Person: Joe LaGiola Tel: 630-595-6474 Fax: 630-595-6477 *de*
Gaffney's PMI, 1890 Suncast Lane, Batavia, IL Contact Person: Terry Spoerl Tel: 630-761-5000 Fax:

N

Gallagher Asphalt Corporation, 18100 S. Indiana Avenue, Thornton, IL Contact Person: Jeff Kolmodin Tel: 708-877-7160 Fax: 708-877-5222
GEOCON Professional Services, LLC, 9370 W. Laraway Road, Frankfort, IL Contact Person: Erin Curley Tel: 815-806-9986 Fax: 815-464-8691
GFS Fence, Guardrail & Signage, Inc., 11921 Smith Drive, Huntley, IL Contact Person: Rostislav Kasman Tel: 312-617-5343 Fax: 224-654-2135
H&H Electric Company, 2830 Commerce Street, Franklin Park, IL Contact Person: Louie Veneziano Tel: 708-453-2222 Fax: 708-453-2851
Haefer engineering LLC, 1300 North Plum Grove Road, Schaumburg, IL Contact Person: James Calvino Tel: 847-394-6600 Fax: 847-394-6608
Hanson Material Service, 181 W Madison, Chicago, IL Contact Person: Connie Estes Tel: 312-443-7162 Fax:

NO ANSWER

Y

hard rock concrete cutters, 601 chaddick dr, wheeling, IL Contact Person: angelo salatino Tel: 847-275-4434 Fax: 847-699-0292
Hard Rock Sawing & Drilling Specialist Co., P.O. 718, Keshena, WI Contact Person: Larry Dvoratchek Tel: 262-723-3333 Fax: 262-723-5060
Hawk Enterprises, Inc., 1850 E. North St., Crown Point, IN Contact Person: Lynn Stupeck Tel: 219-662-8090 Fax: 219-662-8093
Hecker and Company, Inc., 250 Industrial Lane, Wheeling, IL Contact Person: Dan Burke Tel: 847-459-9222 Fax:

Y

Herlthy Mid Continent Company, 1306 Marquette Dr, Romeoville, IL Contact Person: Arthur Haggerty Tel: 630.378.1000 Ext103 Fax: 630.378.1002
hernandez construction, 16054 diane way, manhattan, IL Contact Person: pete hernandez Tel: 815-931-2586 Fax: 815-4784003
Highway Safety Corp., 1756 Armitage Court, Addison, IL Contact Person: Chad Conwell Tel: 630-620-7747 Fax: 630-620-7142
Highway Safety Corp., 1756 Armitage Ct., Addison, IL Contact Person: Hendrick Lopez Tel: 630 620 7747 Fax:
HOME TOWNE ELECTRIC, 35220 N. RT 83, LAKE VILLA, IL Contact Person: KURT HANNES Tel: 8472232800 Fax: 8472237577
Homer Tree Service, 14000 S. Archer Ave., Lockport, IL Contact Person: Katina Haywood Tel: 8158380320 Fax:
HORIZON CONTRACTORS, INC., 1355 W. FULTON ST., CHICAGO, IL Contact Person: CHRISTINE CHUNG Tel: 312-850-3010 Fax: 312-850-3499

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Humir Construction, 4632 s Komensky av, chicago, IL Contact Person: Juan Arreola Tel: 773-475-4500 Fax:
Humir Construction, Inc., 4632 S. Komensky Ave., Chicago, IL Contact Person: Juan Arreola Tel: (773) 475-4500 Fax: (773) 801-1442
Hyde Park Environmental Services, Inc., 727 South Dearborn Street, Chicago, IL Contact Person: Antoinette Pancorvo Tel: 312-663-5680 Fax: 312-663

Illinois Constructors Corporation, 39W866 Fabyan Parkway, Elburn, IL Contact Person: Marty Bradley Tel: 630-232-7280 Fax: 630-232-7281
Inland Environmental, 5 Bartlett Road, Barrington, IL Contact Person: David Frycek Tel: (847) 677-7500 Fax: (847) 426-5522
ISqft Construction Software Technology, 4500 Lake Forest Drive, Cincinnati, OH Contact Person: Sean Peguero Tel: 8003642059 Fax: 8665708187
J&B Steel, 1202N 75th St #293, Downers Grove, IL Contact Person: Bill Edmonds Tel: 6302417950 Fax: 6302417950
J&J Newell Concrete Contractors, Inc, p.o.box 329, calumet city, IL Contact Person: Cary Newell Tel: 7088621909 Fax: 7088622544
J&R 1ST IN ASPHALT, INC., 7659 w. 98th street, hickory hills, IL Contact Person: BILL TOWNSEND Tel: 708.599.7803 Fax: 708.599.7803
James D. Flala Paving Co., Inc., 500 E. Frontage Rd. North, Bolingbrook, IL Contact Person: Glenn Shaler Tel: 630 783-8311 Fax: 630 783-8320
JAN Consulting, 4 Twin Eagles Ct., Hawthorn Woods, IL Contact Person: James Niernuth Tel: 847-550-9981 Fax:
JOHN BURNS ELECTRIC COMPANY, 17601 SOUTHWEST HIGHWAY, ORLAND PARK, IL Contact Person: COLLEEN DONAHUE Tel: 708-479-2143 Fax: 70
Kelley Drye & Warren LLP, 3050 K St NW, Washington, DC Contact Person: Andrew McNamee Tel: 202-342-8418 Fax:
K-Five Construction, 13769 Main Street, Lemont, IL Contact Person: Barbara Vicks Tel: 630-257-5600 Fax: 630-257-67788
Knowles Construction, Inc, 900 Country Creek Drive, New Lenox, IL Contact Person: Edmund Knowles Tel: 815-485-5890 Fax: 815-485-1009
Land Technology Inc., 3922 W. Main Street, Mchenry, IL Contact Person: Natalie Karney Tel: 815 363-9200 Fax: 815 363-9223

LN

Landmark Contractors, 11916 W. Main St., Huntley, IL Contact Person: Brett Borchart Tel: 847-669-5474 Fax: 847-669-5529
LCS, 2233 Palmer Drive, Schaumburg, IL Contact Person: Patti Hall Tel: 847-397-1544 Fax:

Len Cox & Sons Excavating, 151 Springfield Avenue, Joliet, IL Contact Person: Art Rambo Tel: 8157307700 Fax: 8157307705
Leon Construction Company, 1407 S. 61st Ave, Cicero, IL Contact Person: Gina Suarez Tel: 708-656-6318 Fax: 708-656-4770

Lindahl Brothers, Inc., 622 East Green Street, Bensenville, IL Contact Person: Scott Faber Tel: 6305951080 Fax: *STAN W Lindahl Bros.com*
MJU Underground, 26603 South Governors Hwy, Monee, IL Contact Person: Barry Halford Tel: ~~708-534-6434~~ Fax: 708-534-6521
Marking Specialists Corporation, 214 Crystal Street, Cary, IL Contact Person: Robert Buerer Tel: 847-462-0695 Fax: 847-462-0929
McDonagh Demolition Inc, 1269 Le Moynes St, Chicago, IL Contact Person: Candice Falk Tel: 7732767707 Fax:

MCLL, 22 W 615 Winthrop Ave, Glendale Heights, IL Contact Person: Afzaal Hafeez Tel: 630-403-5000 Fax: 630-793-9767
Meade Electric Co., Inc., 9550 W. 55th Street, McCook, IL Contact Person: Joan Maselli Tel: 708-588-2552 Fax: 708-588-2501
Metal Pros LLC, 4323 Bounous, Wichita, KS Contact Person: Randy Wiebe Tel: 316-942-2238 ext. 33 Fax:

Metromex Contractors, 2851 South Troy, Chicago, IL Contact Person: Dusiyant Patel Tel: 708-485-3000 Fax: 708-485-3011
Mid-America Foundation Supply, 3101 New Haven Ave, Fort Wayne, IN Contact Person: Maria Hogle Tel: 888-893-7453 Fax:
Midwest Fence Corporation, 900 N. Kedzie Ave, Chicago, IL Contact Person: Barbara Bell Tel: 773-722-6616 Fax: 773-722-6626

Midwestern Electric Inc, 1620 east chicago ave, east chicago, IN Contact Person: ray russell Tel: 219 397 4444 Fax:
ML Group, LLC, 1507 E. 53rd Street, Chicago, IL Contact Person: Michelle Lawrence Tel: 7738377171 Fax: 7732547173
Monhar Construction, Inc., 9821 Business Park Drive, Sacramento, CA Contact Person: Damon Harper Tel: (800) 321-2424 Fax:

NAFISCO, Inc., 4152 Warren Ave, Hillside, IL Contact Person: Brett Brock Tel: 708-544-9565 Fax:
natural creations landscaping, 356 east bruce street, joliet, IL Contact Person: craig hyslop Tel: 8157240991 Fax:
Neenah Foundry, 545 Kimberly Dr, Carol Stream, IL Contact Person: Jake Wiegand Tel: 6306535440 Fax: 6306530170

Neri Brothers Construction, 7N480 North Garden Ave., Roselle, IL Contact Person: Russ Anchor Tel: ~~630/980-2500~~ Fax: 630/980-2518
Northern Contracting, Inc., 1851 Coltonville Road, Sycamore, IL Contact Person: Richard Roesch Tel: 815-895-5855 Fax: 815-895-2117
NORTHWEST GENERAL CONTRACTORS, INC, 799 E. ROOSEVELT ROAD, BLDG 3, SUITE 107, GLEN ELVN, IL Contact Person: SARV SINGH Tel: 630-€

Onscape, Inc., 4336 Regency Drive, Glenview, IL Contact Person: John Harder Tel: ~~847-759-0010~~ Fax: 847-759-8130
Onvia, 1260 Mercer St., Seattle, WA Contact Person: Source Management Tel: 2063739500 Fax:
P.T. FERRO CONST., 700 S. ROWELL AVE, JOLIET, IL Contact Person: DAVE BERKLEY Tel: 8157266284 Fax: 8157265614

Pan-Oceanic Engineering Co., 8501 W. Higgins Rd, Chicago, IL Contact Person: GULZAR SINGH Tel: 7736018408 Fax: 7736018409
Paul Herrera construction co.LTD, 24520 harmony RD, marengo, IL Contact Person: Paul herrera Tel: 815-482-4349 Fax: 815-568-8078
PDM Bridge, LLC, 2800 Melby Street, Eau Claire, WI Contact Person: LORI GEISSLER Tel: 715-835-2800 Fax: 715-835-4244

Peerless Fence, 33W401 Roosevelt Road, West Chicago, IL Contact Person: Jere Miller Tel: ~~630-584-7710~~ Fax: 630-584-7746
PiTano Construction, 1766 Armitage Ct., Addison, IL Contact Person: Victor Garcia Tel: ~~630-932-1810~~ Fax: 630-691-4306
Precision Pavement Markings Inc, 559 Columbia Ave, Elgin, IL Contact Person: Fred Salazar Jr Tel: 847 931 9092 Fax:

Prime Vendor Inc., 4622 Cedar Avenue Suite 123, Wilmington, NC Contact Person: Laurie Melnick Tel: 800-746-9554 Fax:
Precision Boring, Inc., 40 Noll Street - Unit B, Waukegan, IL Contact Person: Aaron Karow Tel: (847) 782-0672 Fax:
Quality Saw and Seal, Inc., 7600 West 79th Street, Bridgeview, IL Contact Person: Kara Eilken Tel: 708-728-1895 Fax:

Rainbow Farm Enterprises Inc, 25715 S Ridgeland Avenue, Monee, IL Contact Person: Jacqueline Musch Tel: 7085341070 Fax: 7085341138

ray edwards contractors, 872 rowell ave, joliet, IL Contact Person: ray Edwards Tel: 815-727-2180 Fax:

Renault Robinson Staffing Associates, 6 E Monroe Street, , IL Contact Person: Cheryl Bryant Tel: 312-236-6169 Fax: 312-263-6301

RICCI/WELCH inc, 4050 Industrial Avenue, Rolling Meadows, IL Contact Person: Suzette Cook Tel: 847-342-0200 Fax: 847-342-0239

Rieth-Riley Construction Co., Inc., 7500 W 5th Ave., Gary, IN Contact Person: Christopher Fouts Tel: 219-977-0722 Fax:

Rieth-Riley Construction Co., Inc., 7500 W. 5th Avenue, Gary, IN Contact Person: Daniel Foreman Tel: 219-977-0722 Fax: 219-944-2472

RKD Construction Supply, 11633 West Grand Avenue, Northlake, IL Contact Person: Bob Senase Tel: 708 878 1143 Fax: 847 223 5283

Rossi Contractors, Inc., 201 W. Lake Street, Northlake, IL Contact Person: Donald Dugan Tel: 773-287-7545 Fax: 708-562-1965

roughneck concrete, 8400 lehigh ave, , IL Contact Person: murrill murphy Tel: 847 9666666 Fax: 8479666577

S&J Construction, 16823 South State Street, South Holland, IL Contact Person: Kenneth Regan Tel: 708-331-1816 Fax: 708-331-2135

Sam Schwartz Engineering, 3100 W. Higgins Rd., Hoffman Estates, IL Contact Person: Peter Wojtkiewicz Tel: 6302131000 Fax: 6302133227

Sanders Landscaping, Inc., 8350 S. South Chicago Avenue, Chicago, IL Contact Person: Helene Sanders Tel: ~~(773)374-8773~~ Fax: (773)731-5484

Seasons Landscape, 18141 Briggs st, Joliet, IL Contact Person: Bryan Barr Tel: 815-723-0200 Fax: 815-723-9750

Sheridan Plumbing & Sewer, Inc., 100 Tower Drive, Burr Ridge, IL Contact Person: John Sullivan Tel: 630-366-2480 Fax: 630-366-2488

Silver Eagle Construction Products, Inc., po box 997, ofallon, MO Contact Person: kurt thompson Tel: 6362406300 Fax:

Slusser's Green Thumb, 125 Montgomery Street, Logansport, IN Contact Person: John Williamson Tel: (574)722-3102 Fax:

Sterling Lumber, 3415 W 127th Street, Blue Island, IL Contact Person: Jason Bailey Tel: 708-388-2223 Fax: 708-388-2224

Structure Designs, Inc., 309 W. Washington St., Chicago, IL Contact Person: Tom Michalak Tel: 312-551-9780 Fax:

taylor transport service, p.o.box 186, olympia fields, IL Contact Person: brian taylor Tel: 7735271328 Fax: 7087473215

TECH 3, 737 W Exchange, Crete, IL Contact Person: Bob Matthey Tel: 708-672-4994 Fax: 708-672-3739

Thorne Concrete, 2207 W. Station Street, Kankakee, IL Contact Person: Dennis Rettke Tel: 815-937-9565 Fax: 815-937-5971

Traffic Control Corp, 780 W. Belden Ave Ste D, Addison, IL Contact Person: Mary Szymanski Tel: 630-543-1300 Fax: *only to electrical*

Traffic Service, Inc., 2260 Southwind Blvd, Bartlett, IL Contact Person: Bob Van De Velde Tel: 630 4973478 Fax: 630 4971737

Tri-State Asphalt, LLC, PO Box 470, Morris, IL Contact Person: Todd Weist Tel: 815-942-0080 Fax: 815-942-5221

Trotter and Associates, Inc., 40W201 Wasco Road, St. Charles, IL Contact Person: Jim McKenzie Tel: 630-587-0470 Fax: 630-587-0475

Truck King Hauling Contractors Inc., Truck King Hauling Contractors Inc., Chicago, IL Contact Person: Jose Arteaga Tel: 1-708-516-7417 Fax: 1-773-8-

True North Consultants, Inc., 1240 Iroquois Avenue, Naperville, IL Contact Person: Brian Mihelich Tel: 630.717.2880 Fax:

Utility Dynamics Corp., 23 Commerce Drive, Oswego, IL Contact Person: Phil Whalen Tel: 630-554-1722 Fax:

Visu-Sewer of IL, P.O. Box 1028, Plainfield, IL Contact Person: Renee Orange Tel: 8154368260 Fax:

WCF LLC, 10423 W. Concordia Ave, Wauwatosa, WI Contact Person: Bill Fontanazza Tel: 414-456-9567 Fax:

Western Utility Contractors, Inc., 2565 Palmer Avenue, University Park, IL Contact Person: David Mayer Tel: 7082351408 Fax:

Women's Business Development Center, 8 South Michigan Ave., Chicago, IL Contact Person: Kristin Travis Tel: 3128533477 Fax: 3128530145

Work Zone Safety, Inc., PO Box 279, Lockport, IL Contact Person: Pam Ackerman Tel: 815-834-0429 Fax: 815-834-2357



IDOT DBE SUBMITTALS
Calendar Year - 2011

of Bids Exceeding (or Accepted) DBE Goal 55
of Bids Submitted 58
% of DBE Plans Exceeding (or Accepted) Goal 95%

Bid Date	Item #	IDOT Contract #	Project Description	Estimator	Final Bid	Contract Required		Submitted Plan (Or Bid)		Low Bidder	
						Goal %	Goal \$	Committed %	Committed \$		Over(Under)
1/21/2011	55	63453	Harlem Ave @ 175th Street - Tinley Park	KJB	\$1,244,280	18.0%	\$223,970.41	20.0%	\$249,169	\$25,199	No
1/21/2011	103	60F75	IL Rte 53/US Rte 6, Forked Creek to Rte 52	JMH	\$4,845,711	20.0%	\$969,142.23	23.5%	\$1,137,422	\$168,280	Yes
1/21/2011	128	63503	Lily Cache Lane, Veteran's Pkwy to Creekside	MEB	\$5,749,383	22.0%	\$1,264,864.22	22.0%	\$1,266,093	\$1,229	No
3/11/2011	114	60M64	EB FAI-80, Midland Avenue to West of Route 30 - Joliet	JMH	\$11,856,465	14.0%	\$1,659,905.10	16.4%	\$1,941,416	\$281,511	No
3/11/2011	115	60M66	WB FAI-80, Midland Avenue to West of Route 30 - Joliet	JMH	\$11,915,313	13.0%	\$1,548,990.69	16.3%	\$1,939,251	\$390,260	No
3/11/2011	121	63539	Country Club Hills Various Locations	KJB	\$696,999	16.0%	\$111,519.91	16.0%	\$111,651	\$132	Yes
3/11/2011	126	60M63	EB FAI-80, Midland Avenue to Grundy County Line	MEB	\$7,706,500	13.0%	\$1,001,845.00	13.0%	\$1,002,842	\$797	No
3/11/2011	127	60M65	WB FAI-80, Midland Avenue to Grundy County Line	MEB	\$6,586,338	11.0%	\$724,497.18	11.2%	\$737,291	\$12,794	No
3/11/2011	151	60F75	IL Route 53/US Route 6, Forked Creek to Route 52 (Rebid)	JMH	\$4,449,618	20.0%	\$889,923.60	20.5%	\$910,638	\$20,714	Yes
3/11/2011	161	60L59	Route 113, Coal City Road to Main Street - Braidwood	JLK	\$419,474	0.0%	\$0.00	3.9%	\$16,276	\$16,276	Yes
4/29/2011	7	60K52	143rd Street, Will County Line to Wolf Road - Orland Park	KJB	\$497,771	8.0%	\$39,821.72	10.6%	\$52,711	\$12,890	No
4/29/2011	10	60K60	Cal Sag Road, Route 45 to Highwood Drive - Palos Park	KJB	\$681,904	10.0%	\$68,190.43	10.1%	\$68,757	\$567	No
4/29/2011	15	60K86	Cermak Road, Halsted Street to McCormick Square - Chicago	JMH	\$1,819,799	18.0%	\$327,563.82	18.1%	\$330,090	\$2,526	No
4/29/2011	16	60K87	Loomis Avenue, Thornton Road to 150th St - Harvey	KJB	\$976,998	9.0%	\$87,929.82	9.1%	\$89,008	\$1,079	Yes
4/29/2011	17	60K89	Western Avenue, 135th Place to Sibley Blvd - Dixmoor/Posen/Blue Isl	JMH	\$1,024,148	11.0%	\$112,656.28	12.5%	\$128,157	\$15,500	No
4/29/2011	82	60K55	95th Street, Commercial Avenue to Chicago Skyway - Chicago	JMH	\$97,273	0.0%	\$0.00	12.6%	\$12,259	\$12,259	Yes
4/29/2011	83	60K58	Dixie Highway, Sibley Blvd to US Route 6 - Harvey	MEB	\$743,259	13.0%	\$96,623.67	16.0%	\$119,270	\$22,646	Yes
6/17/2011	1	63572	Oketo Ave, 87th Street to 71 St Street - Bridgeview	KJB	\$735,330	13.0%	\$95,592.93	19.7%	\$145,025	\$49,433	No
6/17/2011	2	63573	78th Ave, 87th Street to 79th Street - Bridgeview	KJB	\$413,840	11.0%	\$45,522.43	11.6%	\$47,799	\$2,276	No
6/17/2011	3	63574	Kosher Ave, 143rd St to 147th St - Midlothian	KJB	\$188,888	0.0%	\$0.00	6.3%	\$11,920	\$11,920	No
6/17/2011	50	66937	FAI-55 PCC Patching - Grundy County	MEB	\$396,356	0.0%	\$0.00	22.4%	\$88,825	\$88,825	No
6/17/2011	51	66938	FAI-57 PCC Patching - Kankakee County	MEB	\$457,361	15.0%	\$68,604.15	15.0%	\$68,795	\$191	No
6/17/2011	53	60K57	159th Street, I-94 to Torrence Ave - South Holland/Calumet City	JMH	\$1,576,981	17.0%	\$268,086.77	17.0%	\$268,588	\$501	No
6/17/2011	54	60K66	Wolf Road @ 183rd St (Orland Parkway) - Orland Park	KJB	\$1,168,988	16.0%	\$187,038.13	17.3%	\$201,781	\$14,743	No
6/17/2011	59	60L95	IL Route 1, 152nd St to US Route 6 - Harvey/Phoenix	JMH	\$409,788	12.0%	\$49,174.56	13.9%	\$57,152	\$7,977	Yes
6/17/2011	66	60M40	Ridge Road, Dixie Hwy to Halsted St - Homewood	KJB	\$717,731	13.0%	\$93,305.08	18.0%	\$128,911	\$35,606	Yes
6/17/2011	70	60N60	IL Route 171, Clay St to Boula Ave - Lockport/Joliet	JLK	\$2,661,144	14.0%	\$372,560.16	14.1%	\$375,060	\$2,500	No
6/17/2011	71	60N89	PCC Patching Various Locations - Will County	JLK	\$692,939	0.0%	\$0.00	11.0%	\$76,380	\$76,380	No
6/17/2011	73	60N91	PCC Patching Various Locations - Southern Cook County	JLK	\$719,792	13.0%	\$93,572.96	13.1%	\$94,332	\$759	No
6/17/2011	78	60P01	Intermittent HMA Resurfacing - Will County	MEB	\$646,745	11.0%	\$71,141.95	11.3%	\$73,020	\$1,878	No
6/17/2011	80	60P04	Intermittent HMA Resurfacing - Southern Cook/Will County	MEB	\$996,454	13.0%	\$129,539.02	14.1%	\$140,177	\$10,638	No
6/17/2011	133	60L10	Hoff Road, Old Chicago Rd to Abandon RR	SPB	\$886,546	15.0%	\$132,981.86	10.6%	\$94,070	-\$38,912	Yes
6/17/2011	136	60M00	131st Street, IL Rte 7 to Harlem Ave - Palos Park/Palos Heights	KJB	\$736,974	13.0%	\$95,806.60	16.0%	\$117,981	\$22,174	No
6/17/2011	141	62251	Park Ave, I67th St to 154th St - Harvey/Markham	JMH	\$692,984	17.0%	\$117,807.28	17.0%	\$118,135	\$327	No
6/17/2011	153	66935	PCC Pymt/Sidewalk Patching - St Anne	MEB	\$91,786	15.0%	\$13,767.90	15.1%	\$13,882	\$114	No
6/17/2011	194	60P08	FAI 57 Pectone Rest Area	JLK	\$707,378	0.0%	\$0.00	3.0%	\$20,993	\$20,993	No
6/17/2011	202	63562	Black Road @ River Road - Shorewood	SPB	\$1,168,558	12.0%	\$140,226.96	28.8%	\$336,653	\$196,426	No
6/17/2011	210	63586	Cedarwood Drive, Theodore St to Gael Dr - Crest Hill	SPB	\$547,847	3.0%	\$16,435.41	7.9%	\$43,545	\$27,110	No
6/17/2011	3A	KA042	Greater Kankakee Airport - Taxiway GT-Hanger Rehab, Phase 1	MEB	\$516,264	5.0%	\$25,813.20	7.5%	\$38,475	\$12,662	No
6/17/2011	6A	LE042	Lewis University Airport - North Hanger Pavements	JMH	\$803,915	9.3%	\$74,764.10	9.3%	\$74,898	\$134	No
8/5/2011	4	60L02	IL Route 7, Wolf Road to Southwest Highway - Orland Park	KJB	\$536,987	13.0%	\$69,808.35	13.0%	\$69,861	\$53	No
8/5/2011	7	60M01	135th St, Harlem Ave to Cicero Ave - Palos Heights/Crestwood	JLK	\$547,379	10.0%	\$54,737.92	10.4%	\$56,706	\$1,968	Yes
8/5/2011	8	60M14	Hyde Park Road, Lake Park Ave to Hyde Park Blvd - Chicago	JLK	\$191,757	0.0%	\$0.00	5.7%	\$10,964	\$10,964	No

8/5/2011	13	60M34	Southwest Highway (IL Rte 7), 87th Sito Kilbourn - Hometown	JLK	\$471,454	14.0%	\$66,003.55	14.1%	\$66,355	\$351	Yes
8/5/2011	14	60M35	State Street, 127th St to Will County Line - Lemont	SPB	\$357,011	13.0%	\$46,411.39	13.1%	\$46,598	\$186	No
8/5/2011	15	60M38	Oak Park Ave, I-80 to Harlem Ave - Tinley Park	KJB	\$462,237	17.0%	\$78,580.29	17.0%	\$78,757	\$177	No
8/5/2011	17	60N65	Cedar Road, Francis Road to New Lenox Rd - New Lenox	SPB	\$137,778	0.0%	\$0.00	13.1%	\$18,061	\$18,061	No
8/5/2011	18	60P21	Pulaaki Road @ 103rd Street, Chicago / Oak Lawn	KJB	\$671,695	0.0%	\$0.00	1.8%	\$11,932	\$11,932	Yes
8/5/2011	43	87489	County Hwy 41, Rte 17 to Essex City Limits - Kankakee County	MEB	\$638,268	10.0%	\$63,826.78	11.0%	\$70,431	\$6,604	Yes
8/5/2011	44	87490	County Highway 12, Rte 115 to IL Rt 17 - Kankakee County	MEB	\$659,998	10.0%	\$65,999.78	10.9%	\$71,794	\$5,794	No
8/5/2011	58	60445	IL Route 50 @ Court Street - Monee	MEB	\$3,377,778	20.0%	\$675,555.54	8.9%	\$299,466	-\$376,090	No
8/5/2011	70	66B46	Rte 17 Intermittent Resurfacing, 10000W to I-57, Kankakee Cnty	JLK	\$532,584	3.0%	\$15,977.53	4.2%	\$22,339	\$6,362	No
9/23/2011	47	60L78	IL Route 43, 66th Street to 79th Street - Bridgeview / Burbank	KJB	\$1,939,990.26	15.00%	\$290,998.54	15.0%	\$291,810	\$811	No
9/23/2011	48	63489	Poplar Avenue @ Governors Highway - Richton Park	SPB	\$77,936.39	0.00%	\$0.00	6.1%	\$4,747	\$4,747	No
9/23/2011	49	63621	Boughton Road, Sunshine Drive to Schmidt Road - Bolingbrook	SPB	\$2,037,775.09	20.00%	\$407,555.02	10.2%	\$207,895	-\$199,660	No
9/23/2011	66	60445	Governor's Highway @ Court Street - Monee	MEB	\$3,277,777.77	20.00%	\$655,555.55	20.3%	\$666,293	\$10,738	No
11/18/2011	79	60L42	IL Route 53 at River Road - Wilmington	SPB	\$1,549,999.73	12.00%	\$185,999.97	12.2%	\$188,789	\$2,789	No
11/18/2011	116	60445	Governor's Highway @ Court Street - Monee	MEB	\$2,590,242.00	20.00%	\$518,048.40	15.9%	\$411,775	-\$106,274	No

Post-It® Fax Note	7671	Date	1-31-12	# of pages	1
To	Estimating	From	LEX Ann		
Co./Dept.		Co.			
Phone #		Phone #			
Fax #		Fax #			

SRS

SUPERIOR ROAD STRIPING, INC.
1967 CORNELL COURT MELROSE PARK, IL 60160

TELEPHONE 708-865-0718
FAX 708-865-0296

BID

2/15/2012

WENTWORTH AVENUE

PAVEMENT MARKING

DESCRIPTION	UNIT	APPROX QUANTITY	UNIT PRICE	AMOUNT
THPL PVT MK L & S	SF	414.0	3.75	1552.50
THPL PVT MK LINE 4	LF	16214.0	0.49	7944.86
THPL PVT MK LINE 6	LF	1400.0	0.70	980.00
THPL PVT MK LINE 12	LF	142.0	1.40	198.80
THPL PVT MK LINE 24	LF	401.0	3.50	1403.50
RAISED REFL PVT MARKERS	EA	376.0	22.00	8272.00

TOTAL \$ 20,351.66

TAPE ITEMS SPECIFIED BY IDOT UNDER TEMPORARY MARKING WILL BE BILLED AT AN AGREED PRICE.
TEMPORARY PAVEMENT MARKING IS BID AS PAINT ONLY AND DOES NOT INCLUDE REMOVAL.
OUR PRICES DO NOT REFLECT ANY INCIDENTAL ITEMS.
THIS BID DOES NOT INCLUDE ANY TYPE OF BOND.
THIS JOB IS NOT BID AS A LUMP SUM.
WATER BLASTING IS EXCLUDED FROM PAVEMENT MARKING REMOVAL.

****Temporary Pavement Marking is NOT bid as Short Term. Temporary Pavement Marking will be installed starting in the AM, not intended to follow the grinder in the PM.****



13.14%
HUBBLE TRAIL
SRS

ML Group, LLC

1507 E. 53rd Street, #807
Chicago, IL 60615
773.254-7171 ofc
773.254-7173 fax
www.mlgroupllc.com

CERTIFIED DBE/MBE/WBE/HUBZONE

2/14/2012

CCHD - WENTWORTH AVENUE

Description	U/M	QTY	Unit Price	Total
THPL PVT MK L&S	SQFT	414.000	3.35	\$1,386.90
THPL PVT MK LINE 4	FOOT	16,214.000	0.58	\$9,404.12
THPL PVT MK LINE 6	FOOT	1,400.000	0.86	\$1,204.00
THPL PVT MK LINE 12	FOOT	142.000	2.00	\$284.00
THPL PVT MK LINE 24	FOOT	401.000	3.50	\$1,403.50
RAISED REF PVT MKR	EACH	376.000	24.85	\$9,343.60
TOTAL				23,026.120

- 1) This quotation requires at least 24-working days advance notification for scheduling.
- 2) At least 15- working days must be allowed for ML Group to mobilize and complete the scope of work within the proposal during regular working hours, excluding pavement marking restrictions for moisture, humidity, and temperature.
- 3) This proposal includes 4 construction mobilizations. Additional mobilizations will be \$2,000 each.
- 4) Any temporary pavement marking or removal is not included unless otherwise itemized within this proposal.
- 5) Incidental pavement marking removals are not included within this proposal unless otherwise noted.
- 6) Major roadway lane closures and staged traffic control is not included.
- 7) This proposal requires the application of pavement marking materials having temperature, moisture, and humidity restrictions.
Late season project deadlines imposed by Owner may not allow for these contingencies. ML Group will not warrant the application of any pavement marking materials installed outside of the manufacturer's minimum specifications. ML Group is not responsible for project delays due to these circumstances.
- 8) This quotation is based on no retention being withheld.
- 9) This quotation is based on our current insurance coverage. Any changes and/or additions may require additional compensation.
- 10) Mobilization of 3% of the contract total to be paid to ML Group, LLC 15 days in advance of starting job.
- 11) This quotation is based on the asphalt or concrete pavement surface being clean, dry, and suitable for pavement marking application upon crew mobilization.
- 12) This quotation is good for 20-days after submission.
- 13) This proposal shall be apart of the subcontract agreement.
- 14) Questions on this proposal may be directed to **Michelle Lawrence @ 773.254-7171.**



210 Lake Ave, Suite 8 □ Lake Villa, IL 60046
 847.265.0000 □ estimating@cctreeservice.com
<http://www.cctreeservice.com>

*No Δ BB Rem
 TRS Rem
 GRS*

Prepared for: Gallagher Asphalt
 Contact: Mike Brunke
 Email: mbrunke@gallagherasphalt.com
 Project: **CCHD Wentworth Ave Glenwood-Lansing Road to Ridge Road, IL.**

Tree Removal 6-15 units	60 @ \$15.	\$900.00
Tree Removal over 15 units	340 @ \$24.	8,160.00
Haul chips off site. Haul logs off site.		
Grind stumps 4" diameter and greater.		
Includes one mobilization. Addendums 1, 2 noted. No traffic control included.		

Total: \$9,060.00

Clean Cut to furnish materials, equipment, and labor in accordance with above specifications, for the sum of:
\$9,060.00 (Nine Thousand Sixty Dollars and 00/100)

No retention is to be withheld. All service is guaranteed to be as specified. All work to be completed in a substantial workmanlike manner according to specifications submitted, per standard practices. Any alteration or deviation from above specifications involving extra costs will become an extra charge over and above the estimate.

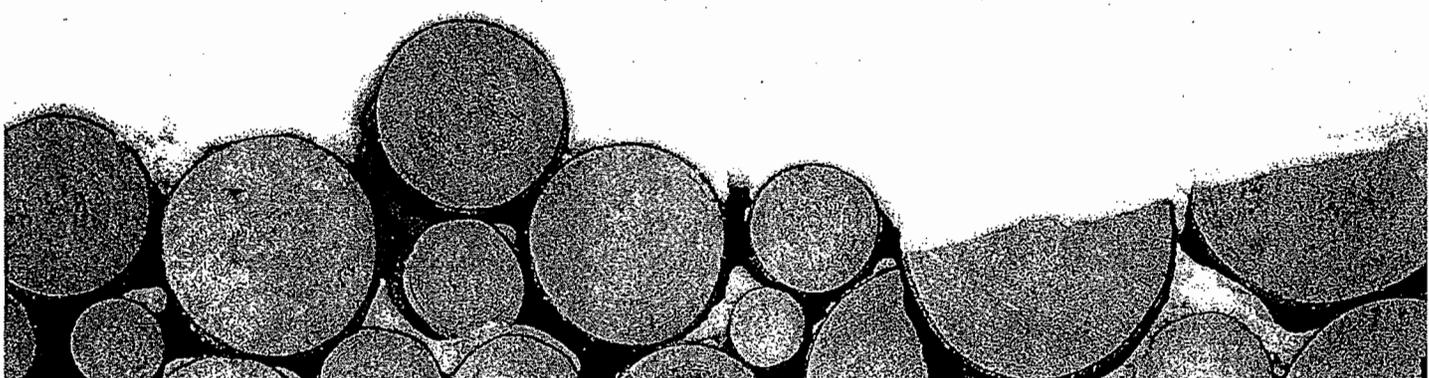
Authorized Signature:
Kelly Kelly
 Kelly E Kelly, President

Date: 2/14/2012

Acceptance of proposal:

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above. A finance charge may be incurred if not paid in 30 days.

Authorized Signature: _____ Date: _____



Davis Concrete Construction Co.

11633 S. MAYFIELD AVENUE
ALSIP, ILLINOIS 60803

Phone: 708.388.1100

Fax: 708.388.9642

PROPOSAL AND CONTRACT

TO: Estimating Department

DATE: February 14, 2012
PROJECT NAME: CCHD - Wentworth Avenue
PROJECT LOCATION: Wentworth Avenue
Ridge Rd. - Glenwood Lansing Rd.
Lansing, IL

Gentlemen:

We are pleased to submit our Proposal for construction work at the above project as follows:

<u>DESCRIPTION OF WORK</u>	<u>ESTIMATED QUANTITY</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
CCHD - Wentworth Avenue Lansing, IL			
34. PCC Driveway Pavement 8"	107.00 SY	42.75	4,574.25
35. PCC Sidewalk 8"	25031 7206 48,180.00 SF	4.00	72,720.00
36. Detectable Warnings	431.00 SF	20.00	8,620.00
46. Protective Coat	6,450.00 SY	0.50	3,225.00
116. Comb. Conc. Curb & Gutter Ty B-6.16 - 11" GF	15,410.00 LF	15.00	231,150.00
117. Concrete Median Ty SB-6.12 - 11" GF	385.00 SF	15.00	5,775.00
Total			<u>\$ 326,064.25</u>

NOTES:

No Removals, No Backfill, No Patching, No Restorations, No Layout, No Testing, No Barricades, Traffic Control & Lane Closures by others.

Stone under curb installed by others. Stone under flatwork supplied by others, placed by Davis Concrete.

Prices based on one equipment move-in.

Unit price contract. Actual quantity x unit price.

Rail Road Insurance by others.

Any Bonds, Permits and/or fees by others.

I.D.O.T. bond by others

Performance bond (if required) paid by owner.

Prices good for 2012 season. Proposal good for 30 days.

Curb & gutter to be slip formed per State of Illinois Specifications. Curb slip formed on stone base +/- 0.1" by others.

Curb backfill by others.

Winter protection not included.

*9/13/12
353,846*

*Testing Tuesday
Per
2/15*

TERMS: Payments due on invoice for work installed: See reverse side for additional terms and conditions which are made a part hereof

Respectfully Submitted,
DAVIS CONCRETE CONSTRUCTION COMPANY

By *Ch. [Signature]*
Payer's Authorized Representative

Date 2/14/12



SITE GENERAL CONTRACTORS
ASPHALT PAVING MIXTURES
PAVING CONTRACTORS

18100 South Indiana Ave
Thornton, IL 60476
Phone #: (708) 877-7160
Fax #: (708) 877-5222
www.gallagherasphalt.com

Invitation to Bid

Attention: Estimating Department

Date: 01/30/12

From: Mike Brunke
mbrunke@gallagherasphalt.com

Project: CCHD - Wentworth Avenue
Ridge Road to Glenwood-Lansing Road
Lansing, IL

We invite you to bid with us the above mentioned project. Listed below are the pay items in your work category. **All DBE subcontractors are required to submit their DBE Utilization Plans and Letter of Intent with their quote.**

Item #	Item Description	Quantity	Uom		
34	PCC DRIVEWAY PAVEMENT, 8 IN	107.00	SQ YD	55	5885
35	PCC SIDEWALK, 5 IN	18,180.00	SQ FT	4	72,720
36	DETECTABLE WARNINGS	431.00	SQ FT	22	12,068
46	PROTECTIVE COAT	6,450.00	SQ YD	0.50	3225
116	COMB. CONC. CURB & GUTTER, TY B-6.18	15,410.00	FOOT	20	308,200
117	CONCRETE MEDIAN, TYPE SB-6.12	385.00	SQ FT	14	5390
				Total \$	407,488

QC, QA, by others. Please.

15.1%
HILBERT TRAW
DAVIS
w/o TESTING

PLEASE NOTE THAT CERTIFIED PAYROLL IS REQUIRED ON THIS PROJECT
**** Plans and Specs are available on the Cook County Web Site.

Bid Due Date to Owner: February 15, 2012 @ 10:00 AM
Bid Due Date to Gallagher: February 14, 2012 @ 10:00 AM

Subcontractor's Name: Rula's Enterprises

Contact: Raul 708-354-4311 or 708-372-8389

DBE Yes No

Yes, I will be bidding.
 No, I will not be bidding.
PLEASE REMOVE ME FROM YOUR MAILING LIST!

SEE THE NEXT PAGE FOR SUBCONTRACTOR QUOTE REQUIREMENTS

RAY EDWARDS CONTRACTORS

827 Rowell Ave. Joliet, IL 60433
815-727-2180 FAX 815-727-2188

Bid For: Cook County Highway Department

Project: Wentworth Ave
Glenwood-Lansing Rd to Ridge Rd

Bid Date: 2/15/2012

7,22
47-76
78-115
136-198
201-212
219-223

2013103

ITEM NO	DESCRIPTION	QTY	UNIT	PRICE	TOTAL
7	TRENCH BACKFILL	7296	CY	36.35	265,209.60
22	INLET FILTER	160	160	110.20	17,632.00
47	CONCRETE COLLAR	1	CY	550.00	550.00
48	PIPE UNDERDRAINS 6"	357	LF	21.55	7,693.35
49	SS TY 1 RCP CL 4 12"	997	LF	33.44	33,339.68
50	SS TY 1 RCP CL 4 15"	64	LF	33.30	2,131.20
51	SS TY 1 RCP CL 4 21"	8	LF	51.00	408.00
52	SS TY 1 RCP CL 4 24"	68	LF	46.00	3,128.00
53	SS TY 1 RCP CL 3 30"	193	LF	60.30	11,637.90
54	SS TY 1 RCP CL 3 36"	170	LF	74.90	12,733.00
55	SS TY 1 RCP CL 2 42"	290	LF	88.50	25,665.00
56	SS TY 1 RCP CL 2 48"	725	LF	90.80	65,830.00
57	SS CL A TY 1 EQRS 30"	281	LF	70.75	19,880.75
58	SS CL A TY 1 EQRS 36"	210	LF	89.75	18,847.50
59	SS CL A TY 1 EQRS 42"	227	LF	102.95	23,369.65
60	SS CL A TY 1 EQRS 48"	997	LF	113.55	113,209.35
61	SS TY 2 RCP CL 3 12"	2915	LF	33.55	97,798.25
62	SS TY 2 RCP CL 3 15"	428	LF	35.05	15,001.40
63	SS TY 2 RCP CL 3 18"	406	LF	38.75	15,732.50
64	SS TY 2 RCP CL 3 24"	1025	LF	45.80	46,945.00
65	SS TY 2 RCP CL 3 30"	805	LF	65.20	52,486.00
66	SS TY 2 RCP CL 3 36"	160	LF	75.75	12,120.00
67	SS TY 2 RCP CL 3 42"	120	LF	92.20	11,064.00
68	SS TY 1 DIP 12"	209	LF	67.45	14,097.05
69	SS TY 1 DIP 24"	168	LF	137.25	23,058.00
70	SS TY 1 DIP 30"	27	LF	230.05	6,211.35
71	SS TY 1 RG RCP CL 3 60" X 38"	30	LF	118.20	3,546.00
72	SS TY 2 DIP 12"	360	LF	69.90	25,164.00
SUBTOTAL PAGE 1					\$944,488.53

RAY EDWARDS CONTRACTORS

827 Rowell Ave. Joliet, IL 60433
815-727-2180 FAX 815-727-2188

Bid For: Cook County Highway Department

Project: Wentworth Ave
Glenwood-Lansing Rd to Ridge Rd

Bid Date: 2/15/2012

ITEM No	DESCRIPTION	QTY	UNIT	PRICE	TOTAL
73	SS TY 2 DIP 18"	87	LF	112.15	9,757.05
74	SS CL 52 DIP 8"	44	LF	68.45	3,011.80
75	SANITARY SEWER DIP 10"	20	LF	103.95	2,079.00
76	MH TY A 4' DIA TY 1 F CL	4	EA	1870.00	7,480.00
78	MH TY A 6' DIA TY 1 F CL OVERFLOW WEIR	2	EA	5325.00	10,650.00
79	MH TY A 5' DIA TY 1 F CL RESTRICTOR	1	EA	5325.00	5,325.00
80	MH TY A 6' DIA TY 1 F CL	11	EA	2893.00	31,823.00
81	MH TY A 6' DIA TY 8 GRATE	1	EA	2665.00	2,665.00
82	MH TY A 7' DIA TY 1 F CL	14	EA	4700.00	65,800.00
83	STORMWATER POLLUTION SEP SYST HS60	1	EA	22260.00	22,260.00
84	STORMWATER POLLUTION SEP SYST HS96	1	EA	37160.00	37,160.00
85	DUCKBILL ELASTOMERIC CHECK VALVE 24"	2	EA	6940.00	13,880.00
86	DUCKBILL ELASTOMERIC CHECK VALVE 48"	1	EA	26440.00	26,440.00
87	STORMWATER POLLUTION SEP SYST SP 3K	2	EA	22310.00	44,620.00
88	INLET TY A 2' DIA TY A-23 F & G	39	EA	704.20	27,463.80
89	INLET TY A 2' DIA TY 8 GRATE	7	EA	570.00	3,990.00
90	CB TY A2 4' DIA TY A-23 F & G	80	EA	1563.30	125,064.00
91	CB TY A2 4' DIA TY 8 GRATE	9	EA	1330.00	11,970.00
92	CB TY A2 5' DIA TY A-23 F & G	3	EA	2115.00	6,345.00
93	CB TY C 2' DIA TY A-23 F & G	19	EA	780.00	14,820.00
94	CB TY C 2' DIA TY 8 GRATE	7	EA	608.00	4,256.00
95	FRAMES & GRATES TO BE ADJUSTED SPECIAL	19	EA	550.00	10,450.00
96	WATER VALVE BOXES TO BE ADJUSTED	6	EA	150.00	900.00
97	REMOVING MANHOLES	20	EA	545.00	10,900.00
98	REMOVING CATCH BASINS	23	EA	603.00	13,869.00
99	REMOVING INLETS	1	EA	265.00	265.00
100	SS REMOVAL 6"	156	LF	10.75	1,677.00
101	SS REMOVAL 8"	24	LF	13.00	312.00
SUBTOTAL PAGE 2					\$515,232.65

RAY EDWARDS CONTRACTORS

827 Rowell Ave. Joliet, IL 60433

815-727-2180 FAX 815-727-2188

Bid For: Cook County Highway Department

Project: Wentworth Ave
Glenwood-Lansing Rd to Ridge Rd

Bid Date: 2/15/2012

ITEM NO	DESCRIPTION	QTY	UNIT	PRICE	TOTAL
102	SS REMOVAL 10"	124	LF	10.75	1,333.00
103	SS REMOVAL 12"	685	LF	11.80	8,083.00
104	SS REMOVAL 15"	226	LF	11.70	2,644.20
105	SS REMOVAL 18"	684	LF	13.75	9,405.00
106	SS REMOVAL 30"	807	LF	18.70	15,090.90
107	SS REMOVAL 36"	1125	LF	21.85	24,581.25
108	SS REMOVAL 48"	2013	LF	25.85	52,036.05
109	SANITARY SEWER REMOVAL 8"	61	LF	33.35	2,034.35
110	FORCEMAIN REMOVAL 8"	2301	LF	8.50	19,558.50
111	PIPE CULVERT REMOVAL 12"	103	LF	9.40	968.20
112	PIPE CULVERT REMOVAL 24"	177	LF	12.80	2,265.60
113	BOX CULVERT REMOVAL	61	LF	82.00	5,002.00
114	CONCRETE HEADWALL REMOVAL	1	EA	300.00	300.00
115	PLUG EXISTING DRAIN & SEWER 12" OR LESS	1	EA	150.00	150.00
186	WATERMAIN DIP CL 52 WITH POLY ENCASE 8"	130	LF	149.55	19,441.50
187	WATERMAIN DIP CL 52 WITH POLY ENCASE 10"	60	LF	150.50	9,030.00
188	WATERMAIN DIP CL 52 WITH POLY ENCASE 16"	106	LF	193.95	20,558.70
189	WATERMAIN DIP CL 52 WITH POLY ENCASE 24"	50	LF	230.00	11,500.00
190	DUCTILE IRON FITTINGS	10800	LB	3.50	37,800.00
191	WATERMAIN REMOVAL 8"	130	LF	3.70	481.00
192	WATERMAIN REMOVAL 10"	60	LF	4.00	240.00
193	WATERMAIN REMOVAL 16"	106	LF	4.20	445.20
194	WATERMAIN REMOVAL 24"	50	LF	4.80	240.00
195	ADJUST FIRE HYDRANT WITH AUXILIARY VALVE	3	EA	350.00	1,050.00
196	BAR SPLICERS	36	EA	12.70	457.20
197	CONCRETE BOX CULVERTS	13	CY	2461.50	31,999.50
198	FINE OR COARSE AGGREGATE EMBANKMENT	222	CY	37.20	8,258.40
201	JUNCTION CHAMBER	1	EA	102380.00	102,380.00
202	PIPE CULVERT TY 1 AASHTO M-36 64" X 43"	6	LF	152.00	912.00
203	PRC BOX CULVERTS 6' X 4'	72	LF	359.70	25,898.40

SUBTOTAL PAGE 3

\$414,143.95

RAY EDWARDS CONTRACTORS

827 Rowell Ave. Joliet, IL 60433
815-727-2180 FAX 815-727-2188

Bid For: Cook County Highway Department

Project: Wentworth Ave
Glenwood-Lansing Rd to Ridge Rd

Bid Date: 2/15/2012

ITEM NO.	DESCRIPTION	QTY	UNIT	PRICE	TOTAL
204	REINFORCEMENT BARS EPOXY COATED	2440	LB	2.00	4,880.00
205	RELOCATE TEMPORARY CONCRETE BARRIER	120	LF	2.00	240.00
206	REMOVAL OF EXISTING STRUCTURES	1	EA	6440.00	6,440.00
207	TEMPORARY CONCRETE BARRIER	120	LF	22.80	2,736.00
208	TEMPORARY SHEET PILING	2036	SF	48.80	99,356.80
209	TEMPORARY SOIL RETENTION SYSTEM	45	SF	2.50	112.50
210	STONE RIPRAP CL A4	160	SY	68.20	10,912.00
211	FILTER FABRIC FOR USE WITH RIPRAP	160	SY	7.20	1,152.00
212	STRUCTURE EXCAVATION	35	CY	65.00	2,275.00
219	PIPE ELBOW 60" X 38" ELLIPTICAL	2	EA	1500.00	3,000.00
220	MH TY A 5' DIA TY 1 F CL	23	EA	1897.65	43,645.95
221	INLETS TY A 2' DIA TY 1 F OL	5	EA	660.10	3,300.50
222	CB TY C 2' DIA TY F OL	8	EA	768.00	6,144.00
223	MH ELLIPTICAL PRC TEE 60" X 38" TY 1 F CL	2	EA	1750.00	3,500.00
	SUBTOTAL PAGE 1				944,488.53
	SUBTOTAL PAGE 2				515,232.65
	SUBTOTAL PAGE 3				414,143.95
	TOTAL				\$1,947,794.58

INCLUDES IEPA CLEAN DIRT/CONCRETE SPOIL REMOVAL
NO ASPHALT DEBRIS REMOVAL
INCLUDES RAILROAD INSURANCE
NO TRAFFIC CONTROL OTHER THAN FLAGGERS
PLAN TO CLOSE WENTWORTH TO INSTALL BOX CULVERT
INCLUDES DBE PARTICIPATION OF \$615,710.00 @ 31% OF MY BID

Signed:



Paul Izral
President

DBE Participation Statement

RAY EDWARDS CONTRACTORS

827 Rowell Ave. Joliet, IL 60433
815-727-2180 FAX 815-727-2188

Bid For: Cook County Highway Department

Project: Wentworth Ave
Glenwood-Lansing Rd to Ridge Rd

Bid Date: 2/15/2012

ITEM NO.	DESCRIPTION	QTY	UNIT	PRICE	TOTAL
7	TRENCH BACKFILL	7296	CY	22.04	160,803.84
49	SS TY 1 RCP CL 4 12"	997	LF	3.45	3,439.65
50	SS TY 1 RCP CL 4 15"	64	LF	3.13	200.32
51	SS TY 1 RCP CL 4 21"	8	LF	3.13	25.04
52	SS TY 1 RCP CL 4 24"	68	LF	6.32	429.76
53	SS TY 1 RCP CL 3 30"	193	LF	8.97	1,731.21
54	SS TY 1 RCP CL 3 36"	170	LF	10.19	1,732.30
55	SS TY 1 RCP CL 2 42"	290	LF	13.65	3,958.50
56	SS TY 1 RCP CL 2 48"	725	LF	11.38	8,250.50
57	SS CL A TY 1 EQRS 30"	281	LF	9.68	2,720.08
58	SS CL A TY 1 EQRS 36"	210	LF	11.78	2,473.80
59	SS CL A TY 1 EQRS 42"	227	LF	14.53	3,298.31
60	SS CL A TY 1 EQRS 48"	997	LF	17.05	16,998.85
61	SS TY 2 RCP CL 3 12"	2915	LF	2.26	6,587.90
62	SS TY 2 RCP CL 3 15"	428	LF	3.08	1,318.24
63	SS TY 2 RCP CL 3 18"	406	LF	4.47	1,814.82
64	SS TY 2 RCP CL 3 24"	1025	LF	6.29	6,447.25
65	SS TY 2 RCP CL 3 30"	805	LF	10.25	8,251.25
66	SS TY 2 RCP CL 3 36"	160	LF	8.76	1,401.60
67	SS TY 2 RCP CL 3 42"	120	LF	15.12	1,814.40
68	SS TY 1 DIP 12"	209	LF	2.76	576.84
69	SS TY 1 DIP 24"	168	LF	7.85	1,318.80
70	SS TY 1 DIP 30"	27	LF	1.85	49.95
71	SS TY 1 RG RCP CL 3 60" X 38"	30	LF	19.23	576.90
72	SS TY 2 DIP 12"	360	LF	2.52	907.20
73	SS TY 2 DIP 18"	87	LF	3.79	329.73
74	SS CL 52 DIP 8"	44	LF	5.45	239.80
75	SANITARY SEWER DIP 10"	20	LF	15.50	310.00
76	MH TY A 4' DIA TY 1 F CL	4	EA	43.00	172.00
78	MH TY A 6' DIA TY 1 F CL OVERFLOW WEIR	2	EA	634.00	1,268.00

DBE Participation Statement

79	MH TY A 5' DIA TY 1 F CL RESTRICTOR	1	EA	634.00	634.00
80	MH TY A 6' DIA TY 1 F CL	11	EA	309.12	3,400.32
81	MH TY A 6' DIA TY 8 GRATE	1	EA	309.12	309.12
82	MH TY A 7' DIA TY 1 F CL	14	EA	549.16	7,688.24
83	STORMWATER POLLUTION SEP SYST HS60	1	EA	862.66	862.66
84	STORMWATER POLLUTION SEP SYST HS96	1	EA	2094.30	2,094.30
87	STORMWATER POLLUTION SEP SYST SP 3K	2	EA	937.16	1,874.32
88	INLET TY A 2' DIA TY A-23 F & G	39	EA	31.22	1,217.58
89	INLET TY A 2' DIA TY 8 GRATE	7	EA	31.22	218.54
90	CB TY A2 4' DIA TY A-23 F & G	80	EA	183.62	14,689.60
91	CB TY A2 4' DIA TY 8 GRATE	9	EA	183.62	1,652.58
92	CB TY A2 5' DIA TY A-23 F & G	3	EA	351.33	1,053.99
93	CB TY C 2' DIA TY A-23 F & G	19	EA	44.91	853.29
94	CB TY C 2' DIA TY 8 GRATE	7	EA	44.91	314.37
97	REMOVING MANHOLES	20	EA	177.50	3,550.00
98	REMOVING CATCH BASINS	23	EA	220.00	5,060.00
99	REMOVING INLETS	1	EA	40.00	40.00
100	SS REMOVAL 6"	156	LF	4.68	730.08
101	SS REMOVAL 8"	24	LF	6.70	160.80
102	SS REMOVAL 10"	124	LF	4.70	582.80
103	SS REMOVAL 12"	685	LF	4.59	3,144.15
104	SS REMOVAL 15"	226	LF	4.42	998.92
105	SS REMOVAL 18"	684	LF	5.95	4,069.80
106	SS REMOVAL 30"	807	LF	9.90	7,989.30
107	SS REMOVAL 36"	1125	LF	12.97	14,591.25
108	SS REMOVAL 48"	2013	LF	16.04	32,288.52
109	SANITARY SEWER REMOVAL 8"	61	LF	13.11	799.71
110	FORCEMAIN REMOVAL 8"	2301	LF	2.25	5,177.25
111	PIPE CULVERT REMOVAL 12"	103	LF	2.52	259.56
112	PIPE CULVERT REMOVAL 24"	177	LF	4.52	800.04
113	BOX CULVERT REMOVAL	61	LF	37.62	2,294.82
114	CONCRETE HEADWALL REMOVAL	1	EA	40.00	40.00
186	WATERMAIN DIP CL 52 WITH POLY ENCASE 8"	130	LF	35.35	4,595.50
187	WATERMAIN DIP CL 52 WITH POLY ENCASE 10"	60	LF	18.55	1,113.00
188	WATERMAIN DIP CL 52 WITH POLY ENCASE 16"	106	LF	8.45	895.70
189	WATERMAIN DIP CL 52 WITH POLY ENCASE 24"	50	LF	18.42	921.00
197	CONCRETE BOX CULVERTS	13	CY	2323.00	30,199.00
198	FINE OR COARSE AGGREGATE EMBANKMENT	222	CY	23.25	5,161.50
201	JUNCTION CHAMBER	1	EA	99087.00	99,087.00
203	PRC BOX CULVERTS 6' X 4'	72	LF	2.87	206.64
204	REINFORCEMENT BARS EPOXY COATED	2440	LB	1.20	2,928.00

DBE Participation Statement

206	REMOVAL OF EXISTING STRUCTURES	1	EA	799.00	799.00
208	TEMPORARY SHEET PILING	2036	SF	48.80	99,356.80
210	STONE RIPRAP CL A4	160	SY	26.11	4,177.60
212	STRUCTURE EXCAVATION	35	CY	33.33	1,166.55
220	MH TY A 5' DIA TY 1 F CL	23	EA	243.37	5,597.51
221	INLETS TY A 2' DIA TY 1 F OL	5	EA	42.73	213.65
222	CB TY C 2' DIA TY F OL	8	EA	50.70	405.60
					0.00
					0.00
TOTAL					\$615,710.80

TRUCKING FOR AGGREGATE SUPPLY CALCULATED AT 100%
TRUCKING FOR SPOIL REMOVAL AND DISPOSAL CALCULATED AT 100%
TEMPORARY SHEET PILING CALCULATED AT 100%
REINFORCEMENT BARS CALCULATED AT 60%
CONCRETE BOX CULVERTS & JUNCTION CHAMBER CALCULATED AT 100%

Signed:



 Paul Izral
 President

CABO

CABO CONSTRUCTION CORP - MBE/DBE/SBA 8(a)

1270 S. KOSTNER AVE
CHICAGO, IL 60623
Contact: JON GABRIC
Phone: 773-791-5756 CELL
Fax: 773-521-2228

*15.9%
HIGHER
TEAM
RAY BONDAS*

Quote To:

Job Name:

CCOK COUNTY WENWORTH

Date of Bid:

2-15-12

Phone:

Fax:

IF YOU HAVE ANY QUESTIONS PLEASE DON'T HESITATE TO
CALL ME AT THE CELL NUMBER ABOVE

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	MOBILIZATION	1.00	LS	136,500.00	136,500.00
7	TRENCH BACKFILL	7,296.00	CUYD	21.60	157,593.60
48	PIPE UNDERDRAINS 6 IN	357.00	LF	21.50	7,675.50
49	STORM SEWER TYPE 1 12"	997.00	LF	51.20	51,046.40
50	STORM SEWER TYPE 1 15"	64.00	LF	55.80	3,571.20
51	STORM SEWER TYPE 1 21"	8.00	LF	92.70	741.60
52	STORM SEWER TYPE 1 24"	68.00	LF	64.10	4,358.80
53	STORM SEWER TYPE 1 30"	193.00	LF	85.00	16,405.00
54	STORM SEWER TYPE 1 36"	170.00	LF	95.30	16,201.00
55	STORM SEWER TYPE 1 42"	290.00	LF	115.80	33,582.00
56	STORM SEWER TYPE 1 48"	725.00	LF	120.10	87,072.50
57	STORM SEWER TYPE 1 30" EQV	281.00	LF	117.00	32,877.00
58	STORM SEWER TYPE 1 36" EQV	210.00	LF	125.40	26,334.00
59	STORM SEWER TYPE 1 42" EQV	227.00	LF	131.10	29,759.70
60	STORM SEWER TYPE 1 48" EQV	997.00	LF	136.90	136,489.30
61	STORM SEWER TYPE 2 12"	2,915.00	LF	48.00	139,920.00
62	STORM SEWER TYPE 2 15"	428.00	LF	56.60	24,224.80
63	STORM SEWER TYPE 2 18"	406.00	LF	65.70	26,674.20
64	STORM SEWER TYPE 2 24"	1,007.00	LF	85.60	86,199.20
65	STORM SEWER TYPE 2 30"	805.00	LF	87.20	70,196.00
66	STORM SEWER TYPE 2 36"	160.00	LF	111.10	17,776.00
67	STORM SEWER TYPE 2 42"	120.00	LF	123.70	14,844.00
68	STORM SEWER TYPE 1 DIP 12"	209.00	LF	78.30	16,364.70
69	STORM SEWER TYPE 1 DIP 24"	168.00	LF	144.60	24,292.80
70	STORM SEWER TYPE 1 DIP 30"	27.00	LF	208.70	5,634.90
71	STORM SEWER TYPE 1 60"X38" RG	30.00	LF	125.00	3,750.00
72	STORM SEWER TYPE 2 DIP 12"	360.00	LF	73.70	26,532.00
73	STORM SEWER TYPE 2 DIP 18"	87.00	LF	119.90	10,431.30
74	STORM SEWER CLASS 52 8"	44.00	LF	73.30	3,225.20

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
75	SANITARY 10" DIP	20.00	LF	87.10	1,742.00
76	MH TYPE A 4' T1 F&G	4.00	EA	1,724.80	6,899.20
78	MH TYPE A 6' WITH OVERFOLW WIER	2.00	EA	3,083.40	6,166.80
79	MH TYPE A 6' RESTRICTOR	1.00	EA	8,082.50	8,082.50
80	MH TYPE A 6' T1 F&G	11.00	EA	2,833.50	31,168.50
81	MH TYPE A 6 TYPE 8 GRATE	1.00	EA	2,754.50	2,754.50
82	MH TYPE A 7' T1 F&G	14.00	EA	4,989.40	69,851.60
83	POLLUTION SEPERATOR HS 60	1.00	EA	25,580.90	25,580.90
84	POLLUTION SEPERATOR HS 96	1.00	EA	44,885.50	44,885.50
85	DUCKBILL CHECK VALVE 24"	2.00	EA	6,517.20	13,034.40
86	DUCKBILL CHECK VALVE 48"	1.00	EA	24,593.80	24,593.80
87	STORMWATER SYSTEM 3K	2.00	EA	16,495.10	32,990.20
88	INLETS TYPE A 2' T-23	39.00	EA	844.20	32,923.80
89	INLETS TYPE A 2' TYPE 8	7.00	EA	738.10	5,166.70
90	CB TYPE A 4' T-23	80.00	EA	1,716.40	137,312.00
91	CB TYPE A 4' T-8	9.00	EA	1,684.10	15,156.90
92	CB TYPE A 5' T-23	3.00	EA	2,361.10	7,083.30
93	CB TYPE C T-23	19.00	EA	903.60	17,168.40
94	CB TYPE C T-8	7.00	EA	1,048.30	7,338.10
95	FRAMES AND GRATES TO ADJUST	19.00	EA	902.10	17,139.90
96	VALVE BOX TO ADJUST	6.00	EA	450.80	2,704.80
97	REMOVE MH	20.00	EA	615.90	12,318.00
98	REMOVE CB	23.00	EA	628.70	14,460.10
99	REMOVE INLETS	1.00	EA	364.20	364.20
100	SS REMOVAL 6'	156.00	LF	16.70	2,605.20
101	SS REMOVAL 8"	24.00	LF	19.50	468.00
102	SS REMOVAL 10"	124.00	LF	18.30	2,269.20
103	SS REMOVAL 12"	685.00	LF	18.50	12,672.50
104	SS REMOVAL 15"	226.00	LF	20.50	4,633.00
105	SS REMOVAL 18"	684.00	LF	19.50	13,338.00
106	SS REMOVAL 30"	807.00	LF	20.60	16,624.20
107	SS REMOVAL 36"	1,125.00	LF	28.50	32,062.50
108	SS REMOVAL 48"	2,013.00	LF	26.20	52,740.60
109	SANITARY REMOVAL 8"	61.00	LF	28.00	1,708.00
110	FORCE MAIN REMOVL	2,301.00	LF	13.40	30,833.40
111	PIPE CULVERT REMOVAL 12"	103.00	LF	18.90	1,946.70
112	PIPE CULVERT REMOVAL 24"	177.00	LF	24.30	4,301.10
113	BOX CULVERT REMOVAL	61.00	LF	266.70	16,268.70
114	HEAD WALL REMOVAL	1.00	EA	414.60	414.60
115	PLUGGING SEWERS 12<	1.00	EA	356.40	356.40
186	WATER MAIN 8"	130.00	LF	85.90	11,167.00
187	WATER MAIN 10"	60.00	LF	95.90	5,754.00
188	WATER MAIN 16"	106.00	LF	119.40	12,656.40
189	WATER MAIN 24"	50.00	LF	217.70	10,885.00
190	WATER MAIN FITTINGS	10,800.00	PD	3.80	41,040.00
191	WM REMOVAL 8"	130.00	LF	24.30	3,159.00

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
192	WM REMOVAL 10"	60.00	LF	30.00	1,800.00
193	WM REMOVAL 16"	106.00	LF	29.60	3,137.60
194	WM REMOVAL 24"	50.00	LF	32.20	1,610.00
197	BOX CULVERT	13.00	CY	2,330.00	30,290.00
195	ADJUST FIRE HYDRANT	3.00	EA	1,487.40	4,462.20
201	JUNCTION CHAMBER	1.00	EA	90,087.00	90,087.00
204	REINFORCEMENT BARS	2,440.00	POUN	2.00	4,880.00
208	SHEET PILING	2,036.00	SQFT	48.00	97,728.00
209	TEMP SOIL RETENTION	45.00	SQFT	45.00	2,025.00
203	6'X4' BOX CULVERT	72.00	LF	517.40	37,252.80
202	PIPE CULVERT 64"X43"	6.00	LF	156.20	937.20
219	PIPE ELBOW 60"X38"	2.00	EA	2,674.30	5,348.60
220	MH TYPE A 5' TIF&G	23.00	EA	1,841.80	42,361.40
221	INLETS TYPE A TIF&G	5.00	EA	826.50	4,132.50
222	CB TYPE C TIF&G	8.00	EA	1,134.50	9,076.00
223	MH ELLIPTICAL	2.00	EA	3,530.50	7,061.00
GRAND TOTAL					\$2,367,251.60

NOTES:

BID BASED ON JOB AT SUBGRADE

INCLUSIONS:

1. Due to the fact that a completion schedule was not included with the bid documents, our bid is based on a work week consisting of a maximum of 8 hours per day and 5 days per week. Any additional premium time will be priced per future agreement.

2. Our bid is good for 30 days.

3. Our bid is based on solid earth excavation. If undercutting of unsuitable soil is required, it will be done at a rate to be negotiated.

4. Our proposal is based on the implementation of standard construction sequencing, specifically mass excavation is to be completed prior to utility installation, installation of utilities to occur prior to construction of roads, curb & gutter, or buildings.

5. Our bid is based on one mobilization to the site. Any additional mobilizations which are required as a result of the actions of the owner will cost an additional \$1,000.00 each.

6. We do not include handling of special or hazardous waste materials. Should any questionable materials be encountered, work will cease in that area until a determination is made by qualified personnel and any necessary remediation is completed. Time lost due to encountering questionable materials will be invoiced on a time & material basis.

7. We include minimal trench dewatering including the use of one 2" portable gasoline powered pump. Excessive dewatering which requires wells, well points, special pumps, or portable power units will be priced as needed.

8. We assume that all improvements required in detention areas will be done after mass excavation is complete and prior to placing of topsoil.

9. We do not include installation, removal, or replacement of filter fabric fences which are used as part of erosion control. Any damage resulting from work which crosses such fences will be repaired by others at owner's expense.

10. Our bid is based on all services being terminated 5' outside of buildings. No building connections are included.

11. This bid is all inclusive and cannot be used in part without the prior authorization of CABO Construction.

12. Removal of excess utility spoil is included in our bid. (approx 10,100 cy)

EXCLUSIONS:

A. Permits, bonds, or connection fees.

B. Engineering layout or as-built / record drawings (Field notes / markups are provided).

C. Frost ripping, rock excavation, or excavation through existing foundations.

D. Stripping or respreading of topsoil.

E. Restoration of surface pavement or landscaping conditions.

F. Street cleaning other than by hand with shovels & brooms.

G. Major cleaning of sewers prior to acceptance by the city / village, such as manholes filled with dirt, with debris or mud, pipes filled with gravel or dirt. Such work will be performed on a time & material basis.

catch basin sumps filled

H. Erosion control or maintenance (Filter fabric in open grates provided)

I. Rip Rap.

J. Traffic Control.

K. Fire flow / flush test.

L. Removal or relocation of spoils or removed pavement from site.

M. Televising of storm sewer.

N. Tree removal, pruning, fertilizing, etc.

O. Soils / compaction testing.

P. Trench drains or trickle channels.

CONTRACTOR CERTIFICATIONS
(SECTION 4)

The following certifications are made pursuant to state law and the code. The undersigned is cautioned to carefully read these certifications prior to signing the signature page. Signing the signature page shall constitute a warranty by the undersigned that all the statements, certifications and information set forth within these certifications are true, complete and correct as of the date the signature page is signed. The undersigned is notified that if the county learns that any of the following certifications were falsely made, that any contract entered into with the undersigned shall be subject to termination.

A. PERSONS AND ENTITIES SUBJECT TO DISQUALIFICATION

No person or business entity shall be awarded a contract or sub-contract, for a period of five (5) years from the date of conviction or entry of a plea or admission of guilt, civil or criminal, if that person or business entity:

- 1) Has been convicted of an act committed, within the State of Illinois, of bribery or attempting to bribe an officer or employee of a unit of state, federal or local government or school district in the State of Illinois in that officer's or employee's official capacity;
- 2) Has been convicted by federal, state or local government of an act of bid-rigging or attempting to rig bids as defined in the Sherman Anti-Trust Act and Clayton Act. Act. 15 U.S.C. Section 1 *et seq.*;
- 3) Has been convicted of bid-rigging or attempting to rig bids under the laws of federal, state or local government;
- 4) Has been convicted of an act committed, within the State, of price-fixing or attempting to fix prices as defined by the Sherman Anti-Trust Act and the Clayton Act. 15 U.S.C. Section 1, *et seq.*;
- 5) Has been convicted of price-fixing or attempting to fix prices under the laws the State;
- 6) Has been convicted of defrauding or attempting to defraud any unit of state or local government or school district within the State of Illinois;
- 7) Has made an admission of guilt of such conduct as set forth in subsections (1) through (6) above which admission is a matter of record, whether or not such person or business entity was subject to prosecution for the offense or offenses admitted to; or
- 8) Has entered a plea of *nolo contendere* to charge of bribery, price-fixing, bid-rigging, or fraud, as set forth in sub-paragraphs (1) through (6) above.

In the case of bribery or attempting to bribe, a business entity may not be awarded a contract if an official, agent or employee of such business entity committed the Prohibited Act on behalf of the business entity and pursuant to the direction or authorization of an officer, director or other responsible official of the business entity, and such Prohibited Act occurred within three years prior to the award of the contract. In addition, a business entity shall be disqualified if an owner, partner or shareholder controlling, directly or indirectly, 20 % or more of the business entity or an officer of the business entity has performed any Prohibited Act within five years prior to the award of the Contract.

THE UNDERSIGNED HEREBY CERTIFIES THAT: The Undersigned has read the provisions of Section A, Persons and Entities Subject to Disqualification, that the Undersigned has not committed any Prohibited Act set forth in Section A, and that award of the Contract to the Undersigned would not violate the provisions of such Section or of the Code.

B. BID-RIGGING OR BID ROTATING

THE UNDERSIGNED HEREBY CERTIFIES THAT: *In accordance with 720 ILCS 5/33 E-11, neither the Undersigned nor any Affiliated Entity is barred from award of this Contract as a result of a conviction for the violation of State laws prohibiting bid-rigging or bid rotating.*

C. DRUG FREE WORKPLACE ACT

THE UNDERSIGNED HEREBY CERTIFIES THAT: The Undersigned will provide a drug free workplace, as required by Public Act 86-1459 (30 ILCS 580/2-11).

D. DELINQUENCY IN PAYMENT OF TAXES

THE UNDERSIGNED HEREBY CERTIFIES THAT: *The Undersigned is not an owner or a party responsible for the payment of any tax or fee administered by Cook County, by a local municipality, or by the Illinois Department of Revenue, which such tax or fee is delinquent, such as bar award of a contract or subcontract pursuant to the Code, Chapter 34, Section 34-129.*

E. HUMAN RIGHTS ORDINANCE

No person who is a party to a contract with Cook County ("County") shall engage in unlawful discrimination or sexual harassment against any individual in the terms or conditions of employment, credit, public accommodations, housing, or provision of County facilities, services or programs (Code Chapter 42, Section 42-30 *et seq.*).

F. ILLINOIS HUMAN RIGHTS ACT

THE UNDERSIGNED HEREBY CERTIFIES THAT: *It is in compliance with the the Illinois Human Rights Act (775 ILCS 5/2-105), and agrees to abide by the requirements of the Act as part of its contractual obligations.*

G. MACBRIDE PRINCIPLES, CODE CHAPTER 34, SECTION 34-132

If the primary contractor currently conducts business operations in Northern Ireland, or will conduct business during the projected duration of a County contract, the primary contractor shall make all reasonable and good faith efforts to conduct any such business operations in Northern Ireland in accordance with the MacBride Principles for Northern Ireland as defined in Illinois Public Act 85-1390.

H. LIVING WAGE ORDINANCE PREFERENCE (COOK COUNTY CODE, CHAPTER 34, SECTION 34-127;

The Code requires that a living wage must be paid to individuals employed by a Contractor which has a County Contract and by all subcontractors of such Contractor under a County Contract, throughout the duration of such County Contract. The amount of such living wage is determined from time to time by, and is available from, the Chief Financial Officer of the County.

For purposes of this EDS Section 4, H, "Contract" means any written agreement whereby the County is committed to or does expend funds in connection with the agreement or subcontract thereof. The term "Contract" as used in this EDS, Section 4, I, specifically excludes contracts with the following:

- 1) Not-For Profit Organizations (defined as a corporation having tax exempt status under Section 501(C)(3) of the United State Internal Revenue Code and recognized under the Illinois State not-for - profit law);
- 2) Community Development Block Grants;
- 3) President's Office of Employment Training;
- 4) Sheriff's Work Alternative Program; and
- 5) Department of Correction inmates.

REQUIRED DISCLOSURES
(SECTION 5)

1. DISCLOSURE OF LOBBYIST CONTACTS

List all persons or entities that have made lobbying contacts on your behalf with respect to this contract:

Name	Address
N/A	
_____	_____
_____	_____
_____	_____

2. LOCAL BUSINESS PREFERENCE DISCLOSURE; CODE, CHAPTER 34, SECTION 34-151(p);

"Local Business" shall mean a person authorized to transact business in this State and having a bona fide establishment for transacting business located within Cook County at which it was actually transacting business on the date when any competitive solicitation for a public contract is first advertised or announced and further which employs the majority of its regular, full time work force within Cook County, including a foreign corporation duly authorized to transact business in this State and which has a bona fide establishment for transacting business located within Cook County at which it was actually transacting business on the date when any competitive solicitation for a public contract is first advertised or announced and further which employs the majority of its regular, full time work force within Cook County.

a) Is Bidder a "Local Business" as defined above?

Yes: X No: _____

b) If yes, list business addresses (es) within Cook County:

c) Does Bidder employ the majority of its regular full-time workforce within Cook County?

Yes: X No: _____

3. THE CHILD SUPPORT ENFORCEMENT ORDINANCE (PREFERENCE (CODE, CHAPTER 34, SECTION 34-366)

Every Applicant for a County Privilege shall be in full compliance with any child support order before such Applicant is entitled to receive or renew a County Privilege. When delinquent child support exists, the County shall not issue or renew any County Privilege, and may revoke any County Privilege. All Applicants are required to review the Cook County Affidavit of Child Support Obligations attached to this EDS and complete the following, based upon the definitions and other information included in such Affidavit:

_____	Applicant has no "Substantial Owner."
OR	
_____	The Cook County Affidavit of Child Support Obligations has been completed by all "Substantial Owners" and is attached to this EDS.

4. REAL ESTATE OWNERSHIP DISCLOSURES.

The Undersigned must indicate by checking the appropriate provision below and providing all required information that either:

a) The following is a complete list of all real estate owned by the Undersigned in Cook County:

PERMANENT INDEX NUMBER(S): _____ 25-30-200-011;25-30-200-013;25-30200-009;
25-30-200-015;25-30-200-016;32-04-201-011;
_____ 32-04-201-014;32-04-201-016;32-04-201-017;
_____ 32-04-201-013;29-33-400-056;29-34-300-011

(ATTACH SHEET IF NECESSARY TO LIST ADDITIONAL INDEX NUMBERS)

OR:

b) _____ The Undersigned owns no real estate in Cook County.

5. EXCEPTIONS TO CERTIFICATIONS OR DISCLOSURES.

If the Undersigned is unable to certify to any of the Certifications or any other statements contained in this EDS and not explained elsewhere in this EDS, the Undersigned must explain below:

If the letters, "NA", the word "None" or "No Response" appears above, or if the space is left blank, it will be conclusively presumed that the Undersigned certified to all Certifications and other statements contained in this EDS.

COOK COUNTY AFFIDAVIT OF CHILD SUPPORT OBLIGATIONS (Section 5)

Effective July 1, 1998, every applicant for a County Privilege shall be in full compliance with any Child Support Order before such applicant is entitled to receive a County Privilege. When Delinquent Child Support Exists, the County shall not issue or renew any County Privilege, and may revoke any County Privilege.

"Applicant" means any person or business entity, including all Substantial Owners, seeking issuance of a County Privilege or renewal of an existing County Privilege from the County. This term shall not include any political subdivision of the federal or state government, including units of local government, and not-for-profit organizations.

"County Privilege" means any business license, including but not limited to liquor dealers' licenses, packaged goods licenses, tavern licenses, restaurant licenses, and gun licenses; real property license or lease; permit, including but not limited to building permits, zoning permits or approvals; environmental certificate; County HOME Loan, and contracts exceeding the value of \$10,000.00.

"Substantial Owner" means any person or persons who own or hold a twenty-five percent (25%) or more percentage of interest in any business entity seeking a County Privilege, including those shareholders, general or limited partners, beneficiaries and principals; except where a business entity is an individual or sole proprietorship, Substantial Owner means that individual or sole proprietor.

All Applicants/Substantial Owners are required to complete this affidavit and comply with the Child Support Enforcement Ordinance before any privilege is granted. Signature of this form constitutes a certification the information provided below is correct and complete, and that the individual(s) signing this form has/have personal knowledge of such information.

Privilege Information:

County Privilege: 95-W6606-01-FP
County Department: Cook County Highway Department

Applicant Information:

Last name: Gallagher First Name: Patrick MI: D
SS# (Last Four Digits): 0 5 2 9
Street Address: 1211 S. Prairie Road
City: Chicago State: IL Zip: 60605
Home Phone: (312) 259-2970 Driver's License No: G426-6647-0337

Child Support Obligation Information:

The Undersigned applicant, being duly sworn on oath or affirmation hereby states that to the best of my knowledge (place an "X" next to "A", "B", "C", or "D").

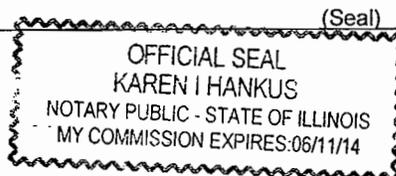
- A. The Applicant has no judicially or administratively ordered child support obligations.
- B. The Applicant has an outstanding judicially or administratively ordered obligation, but is paying in accordance with the terms of the order.
- C. The Applicant is delinquent in paying judicially or administratively ordered child support obligations
- D. The Applicant is not a substantial owner as defined above.

The Undersigned applicant understands that failure to disclose any judicially or administratively ordered child support debt owed will be grounds for revoking the privilege.

Signature: Patrick Gallagher Date: 2/15/12

Subscribed and sworn to before me this 15TH day of February, 20 12

X Karen I Hankus
Notary



COOK COUNTY AFFIDAVIT OF CHILD SUPPORT OBLIGATIONS
(Section 5)

Effective July 1, 1998, every applicant for a County Privilege shall be in full compliance with any Child Support Order before such applicant is entitled to receive a County Privilege. When Delinquent Child Support Exists, the County shall not issue or renew any County Privilege, and may revoke any County Privilege.

"Applicant" means any person or business entity, including all Substantial Owners, seeking issuance of a County Privilege or renewal of an existing County Privilege from the County. This term shall not include any political subdivision of the federal or state government, including units of local government, and not-for-profit organizations.

"County Privilege" means any business license, including but not limited to liquor dealers' licenses, packaged goods licenses, tavern licenses, restaurant licenses, and gun licenses; real property license or lease; permit, including but not limited to building permits, zoning permits or approvals; environmental certificate; County HOME Loan, and contracts exceeding the value of \$10,000.00.

"Substantial Owner" means any person or persons who own or hold a twenty-five percent (25%) or more percentage of interest in any business entity seeking a County Privilege, including those shareholders, general or limited partners, beneficiaries and principals; except where a business entity is an individual or sole proprietorship, Substantial Owner means that individual or sole proprietor.

All Applicants/Substantial Owners are required to complete this affidavit and comply with the Child Support Enforcement Ordinance before any privilege is granted. Signature of this form constitutes a certification the information provided below is correct and complete, and that the individual(s) signing this form has/have personal knowledge of such information.

Privilege Information:

County Privilege: 95-W6606-01-FP
 County Department: Cook County Highway Department

Applicant Information:

Last name: Gallagher First Name: Charles MI: J
 SS# (Last Four Digits): 0 4 2 7
 Street Address: 3550 Williams Lane
 City: Crete State: IL Zip: 60417
 Home Phone: (708) 672-7018 Driver's License No: G426-1505-9014

Child Support Obligation Information:

The Undersigned applicant, being duly sworn on oath or affirmation hereby states that to the best of my knowledge (place an "X" next to "A", "B", "C", or "D").

- A. The Applicant has no judicially or administratively ordered child support obligations.
- B. The Applicant has an outstanding judicially or administratively ordered obligation, but is paying in accordance with the terms of the order.
- C. The Applicant is delinquent in paying judicially or administratively ordered child support obligations
- D. The Applicant is not a substantial owner as defined above.

The Undersigned applicant understands that failure to disclose any judicially or administratively ordered child support debt owed will be grounds for revoking the privilege.

Signature: [Signature] Date: 2/15/12

Subscribed and sworn to before me this 15TH day of February, 20 12

X [Signature] (Notary)

(Seal)



**COOK COUNTY DISCLOSURE OF OWNERSHIP INTEREST STATEMENT
(Section 5)**

The Cook County Code of Ordinances (§2-610 *et seq.*) requires that any Applicant for any County Action must disclose information concerning ownership interests in the Applicant. This Disclosure of Ownership Interest Statement must be completed with all information current as of the date this Statement is signed. Furthermore, this Statement must be kept current, by filing an amended Statement, until such time as the County Board or County Agency shall take action on the application. The information contained in this Statement will be maintained in a database and made available for public viewing.

If you are asked to list names, but there are no applicable names to list, you must state NONE. An incomplete Statement will be returned and any action regarding this contract will be delayed. A failure to fully comply with the ordinance may result in the action taken by the County Board or County Agency being voided.

"Applicant" means any Entity or person making an application to the County for any County Action.

"County Action" means any action by a County Agency, a County Department, or the County Board regarding an ordinance or ordinance amendment, a County Board approval, or other County agency approval, with respect to contracts, leases, or sale or purchase of real estate.

"Entity" or "Legal Entity" means a sole proprietorship, corporation, partnership, association, business trust, estate, two or more persons having a joint or common interest, trustee of a land trust, other commercial or legal entity or any beneficiary or beneficiaries thereof.

This Disclosure of Ownership Interest Statement must be submitted by :

1. An Applicant for County Action and
2. An individual or Legal Entity that holds stock or a beneficial interest in the Applicant and is listed on the Applicant's Statement (a "Holder") must file a Statement and complete #1 only under **Ownership Interest Declaration**.

Please print or type responses clearly and legibly. Add additional pages if needed, being careful to identify each portion of the form to which each additional page refers.

This Statement is being made by the Applicant or Stock/Beneficial Interest Holder

This Statement is an: Original Statement or Amended Statement

Identifying Information:

Name Gallagher Asphalt Corp. D/B/A: SAME EIN NO.: 36-2061280

Street Address: 18100 South Indiana Avenue

City: Thornton State: IL Zip Code: 60476

Phone No.: 708-877-7160

Form of Legal Entity:

- Sole Proprietor
 Partnership
 Corporation
 Trustee of Land Trust
 Business Trust
 Estate
 Association
 Joint Venture
 Other (describe) _____

Ownership Interest Declaration:

- 1. List the name(s), address, and percent ownership of each individual and each Entity having a legal or beneficial interest (including ownership) of more than five percent (5%) in the Applicant/Holder.

Name	Address	Percentage Interest in Applicant/Holder
Charles J. Gallagher	3550 Williams Ln, Crete, IL	33.3%
Daniel J. Gallagher	1464 Olive Road, Homewood, IL	33.3%
Patrick D. Gallagher	1211 Prairie Ave, Chicago, IL	33.3%

- 2. If the interest of any individual or any Entity listed in (1) above is held as an agent or agents, or a nominee or nominees, list the name and address of the principal on whose behalf the interest is held.

Name of Agent/Nominee	Name of Principal	Principal's Address

- 3. Is the Applicant constructively controlled by another person or Legal Entity? Yes No
If yes, state the name, address and percentage of beneficial interest of such person or legal entity, and the relationship under which such control is being or may be exercised.

Name	Address	Percentage of Beneficial Interest	Relationship

Declaration (check the applicable box):

I state under oath that the Applicant has withheld no disclosure as to ownership interest in the Applicant nor reserved any information, data or plan as to the intended use or purpose for which the Applicant seeks County Board or other County Agency action.

I state under oath that the Holder has withheld no disclosure as to ownership interest nor reserved any information required to be disclosed.

Charles J. Gallagher
Name of Authorized Applicant/Holder Representative (please print or type)

Charles J. Gallagher
Signature

charlie@gallagherasphalt.com
E-mail address

President
Title

2/15/12
Date

708-877-7160
Phone Number

Subscribed to and sworn before me
this 15th day of Feb, 2012

X *Karen Hankus*
Notary Public Signature

My commission expires: 6-11-14





COOK COUNTY BOARD OF ETHICS

69 W. WASHINGTON STREET, SUITE 3040
CHICAGO, ILLINOIS 60602

312/603-4304

312/603-9988 FAX 312/603-1011 TT/TDD

FAMILIAL RELATIONSHIP DISCLOSURE PROVISION:

Section 2-582 of the Cook County Ethics Ordinance requires any person or persons doing business with Cook County, upon execution of a contract with Cook County, to disclose to the Cook County Board of Ethics the existence of familial relationships they may have with all persons holding elective office in the State of Illinois, the County of Cook, or in any municipality within the County of Cook.

The disclosure required by this section shall be filed by January 1 of each calendar year or within thirty (30) days of the execution of any contract or lease. Any person filing a late disclosure statement after January 31 shall be assessed a late filing fee of \$100.00 per day that the disclosure is late. Any person found guilty of violating any provision of this section or knowingly filing a false, misleading, or incomplete disclosure to the Cook County Board of Ethics shall be prohibited, for a period of three (3) years, from engaging, directly or indirectly, in any business with Cook County. *Note:* Please see Chapter 2 Administration, Article VII Ethics, Section 2-582 of the Cook County Code to view the full provisions of this section.

If you have questions concerning this disclosure requirement, please call the Cook County Board of Ethics at (312) 603-4304. *Note:* A current list of contractors doing business with Cook County is available via the Cook County Board of Ethics' website at: http://www.cookcountygov.com/taxonomy/ethics/Listings/cc_ethics_VendorList_.pdf

DEFINITIONS:

“*Calendar year*” means January 1 to December 31 of each year.

“*Doing business*” for this Ordinance provision means any one or any combination of leases, contracts, or purchases to or with Cook County or any Cook County agency in excess of \$25,000 in any calendar year.

“*Familial relationship*” means a person who is related to an official or employee as spouse or any of the following, whether by blood, marriage or adoption:

- | | | |
|-----------|-------------------|----------------|
| ▪ Parent | ▪ Grandparent | ▪ Stepfather |
| ▪ Child | ▪ Grandchild | ▪ Stepmother |
| ▪ Brother | ▪ Father-in-law | ▪ Stepson |
| ▪ Sister | ▪ Mother-in-law | ▪ Stepdaughter |
| ▪ Aunt | ▪ Son-in-law | ▪ Stepbrother |
| ▪ Uncle | ▪ Daughter-in-law | ▪ Stepsister |
| ▪ Niece | ▪ Brother-in-law | ▪ Half-brother |
| ▪ Nephew | ▪ Sister-in-law | ▪ Half-sister |

“*Person*” means any individual, entity, corporation, partnership, firm, association, union, trust, estate, as well as any parent or subsidiary of any of the foregoing, and whether or not operated for profit.

SWORN FAMILIAL RELATIONSHIP DISCLOSURE FORM

Pursuant to Section 2-582 of the Cook County Ethics Ordinance, any *person* doing business** with Cook County must disclose, to the Cook County Board of Ethics, the existence of *familial relationships** to any person holding elective office in the State of Illinois, Cook County, or in any municipality within Cook County. Please print your responses.

Name of Owner/Employee: N/A Title: _____

Business Entity Name: _____ Phone: _____

Business Entity Address: _____

_____ The following familial relationship exists between the owner or any employee of the business entity contracted to do business with Cook County *and* any person holding elective office in the State of Illinois, Cook County, or in any municipality within Cook County.

Owner/Employee Name:	Related to:	Relationship:
1. _____	_____	_____
2. _____	_____	_____
3. _____	_____	_____
4. _____	_____	_____
5. _____	_____	_____

If more space is needed, attach an additional sheet following the above format.

There is *no* familial relationship that exists between the owner or any employee of the business entity contracted to do business with Cook County and any person holding elective office in the State of Illinois, Cook County, or in any municipality within Cook County.

To the best of my knowledge and belief, the information provided above is true and complete.

[Signature] 2/15/12
Owner/Employee's Signature Date

Subscribe and sworn before me this 15th Day of February, 20 12

a Notary Public in and for Kankakee County

[Signature]
(Signature)



My Commission expires 6/11/14

**CONTRACTOR'S
CERTIFICATION CONCERNING LABOR STANDARDS
AND
PREVAILING WAGE REQUIREMENTS
(SECTION 6)**

To Contractor:

Date: 2/15/12
 Project Number: 95-W6606-01-FP
 Project Name: Wentworth Avenue
Glenwood Lansing Road to Ridge Road

1. If awarded the contract with the County of Cook for the construction of the above identified project, the undersigned agrees that:
- (a) The Labor Standards provisions of the Contract for Construction will be included in the aforesaid contract.
 - (b) Correction of any infractions of the aforesaid conditions, including infractions by any of his Subcontractors and any lower tier subcontractors, is his responsibility.

2. He certifies that:

- (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)].
- (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.

3. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor, any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

4. He certifies that:

- (a) The legal name and the business address of the undersigned are:
- (b) The undersigned is (check one):
 - Sole Proprietorship
 - Partnership
 - Corporation
 - Other Organization (Describe):

Gallagher Asphalt Corporation
18100 S. Indiana Avenue
Thornton, IL 60476-1299
 Phone: 708-877-7160
www.gallagherasphalt.com

(c) The name, title and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
<u>Charles J. Gallagher,</u>	<u>Pres.</u>	<u>3550 Williams Ln Crete, IL 60417</u>
<u>Mark W. Riester,</u>	<u>Vice-Pres.</u>	<u>495 S. Main St., Crown Point, IN 46307</u>
<u>Daniel J. Gallagher,</u>	<u>Secretary,</u>	<u>1464 Olive Rd. Homewood, IL 60430</u>
<u>Patrick D. Gallagher,</u>	<u>Treas.</u>	<u>1211 S. Prairie Ave. Chicago, IL 60505</u>

(d) The name and address of all other persons, both natural and corporate, having a substantial interest in the undersigned, and the nature of the interest are (if none, so state):

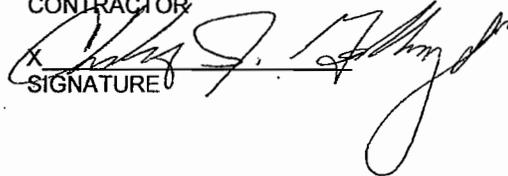
NAME	ADDRESS	NATURE OF INTEREST

(e) The names and addresses and trade classifications of all other building construction contractors in which the undersigned has a substantial interest is (if none, so state):

NAME	ADDRESS	TRADE CLASSIFICATION

DATE 2/15/12

Gallagher Asphalt Corporation
CONTRACTOR


SIGNATURE

**SUBCONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS**
(Section 6)

To Contractor:

Date: 2/29/12
Project Number: 95 W6606-01-FP
Project Name: CCHD Westworth

1. The undersigned, having executed a contract with True North Consultants, Inc
(Contractor)
for Special Waste Plans & Reports
(Nature of Work)

_____ in the amount of \$ 3,500.00 in the construction of the above-identified project, certifies that:

- (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
- (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
- (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.

2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on _____
(Date)

4. He certifies that:

(a) The legal name and the business address of the undersigned are:

True North Consultants, Inc
1240 Inquis Ave, Ste 210
Naperville, IL 60563

(b) The undersigned is (check one):

- Sole Proprietorship
- Partnership
- Corporation
- Other Organization (Describe)

(c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
<u>Ryan L. Dies</u>	<u>President</u>	<u>1912 Rhoads Road, St. Charles, IL</u>
<u>Brian Mitchell</u>	<u>Vice President</u>	<u>1179 Fairfax Ln, South Elgin, IL</u>
<u>Michael Brennan</u>	<u>Vice President</u>	<u>444 Redwood Ave, Aurora, IL</u>

DATE 2/29/12

SUBCONTRACTOR

X _____
SIGNATURE

**SUBCONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS**
(Section 6)

To Contractor:

Date: 3/1/12
Project Number: _____
Project Name Wentworth AVE

1. The undersigned, having executed a contract with Gallagher Asphalt
(Contractor)
_____ for Guardrail
(Nature of Work)

_____ in the amount of \$ 8,187.31 in the construction of the above-identified project, certifies that:

- (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
- (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
- (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.

2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on AS Requested
(Date)

4. He certifies that:

- (a) The legal name and the business address of the undersigned are: Northern Contracting, Inc.
- (b) The undersigned is (check one): 1851 Coltonville Road
Sycamore, IL 60178
 Sole Proprietorship
 Partnership
 Corporation
 Other Organization (Describe)

(c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
<u>Richard R Roesch</u>	<u>President</u>	<u>1851 Coltonville Road</u>
		<u>Sycamore, IL 60178</u>

DATE 3/1/12

SUBCONTRACTOR
Richard R Roesch
SIGNATURE

**SUBCONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS**

(Section 6)

To Contractor:

Date: 3-1-12

Project Number: _____

Project Name WENTWORTH AVE

1. The undersigned, having executed a contract with BALLAGHER ASPHALT
(Contractor)
for PAVEMENT MARKING
Nature of Work)

_____ in the amount of \$ 20,351.66 in the construction of the above-identified project,
certifies that:

- (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
 - (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
 - (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.
2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.
3. The workmen will report for duty on _____
(Date)
4. He certifies that:

(a) The legal name and the business address of the undersigned are:

(b) The undersigned is (check one):

- Sole Proprietorship
- Partnership
- Corporation
- Other Organization (Describe)

**Superior Road Striping Inc.
1967 Cornell Court
Metrose Park, IL 60160**

(c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
<u>JOAN YARD</u>	<u>President</u>	
<u>JOSEPH YARD</u>	<u>V.P.</u>	

DATE 3-1-12

SUBCONTRACTOR

X Joan Yard JS
SIGNATURE

**SUBCONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS**
(Section 6)

To Contractor:

Date: February 15, 2012
 Project Number: 95-W6606-01-RP
 Project Name Wentworth Ave.

1. The undersigned, having executed a contract with _____
 (Contractor)
 _____ for Electrical Work
 (Nature of Work)

_____ in the amount of \$ 210,065.35 in the construction of the above-identified project, certifies that:

- (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
- (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
- (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.

2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on TBD
 (Date)

4. He certifies that:

(a) The legal name and the business address of the undersigned are:

(b) The undersigned is (check one):
 _____ Sole Proprietorship
 _____ Partnership
 Corporation
 _____ Other Organization (Describe)

(c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
------	-------	---------

<u>Johanna Plank,</u>	<u>President,</u>	<u>3200 E. 145th Ave. Crown Point, IN</u>
-----------------------	-------------------	---

DATE 2-15-2012

SUBCONTRACTOR

SIGNATURE

PROPOSAL FOR CONSTRUCTION OF A BUILDING CONCERNING
MINIMUM STANDARDS FOR THE CONSTRUCTION REQUIREMENTS

To Be Done:

2-16-2012
75- W 6006 - 61-FF
NORTH WIND AVENUE

GALLAGHER ASPHALT
& SURVEY (MOVEMENT)

CONSTRUCTION LAYOUT, CONTROL
29,900.00

9-1-2012 12:27 PM

STRUCTURE DESIGN, INC
309 W. WASHINGTON, SUITE 325
CHICAGO, IL 60606

x

OLUFOMI OLANDEGE

PROSIDENT

309 W. WASHINGTON ST, SUITE 325
CHICAGO, IL 60606

2-10-2012

Thomas J. Michaelak

Thomas J. Michaelak

**SUBCONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS**

(Section 6)

To Contractor:

Date: 02/15/12
Project Number: 95-W6606-01-RP
Project Name: CCHD WENTWORTH AVE

1. The undersigned, having executed a contract with Gallagher Asphalt
(Contractor)

for SEWER & WATER
(Nature of Work)

in the amount of \$1,947,794.58 in the construction of the above-identified project,
certifies that:

- (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
 - (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
 - (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.
2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on PER CONTRACT
(Date)

4. He certifies that:

- (a) The legal name and the business address of the undersigned are: RAY EDWARDS CONTRACTORS, INC
827 ROWELL AVE
- (b) The undersigned is (check one): JOLIET, IL 60433
 Sole Proprietorship
 Partnership
 Corporation
 Other Organization (Describe)

(c) The name and address of the owner, partners or officers of the undersigned are:

NAME TITLE ADDRESS
IZRAL FAMILY TRUST 301 N MAIN ST, LOMBARD, IL 60148

DATE 02/15/12

SUBCONTRACTOR

X [Signature]
SIGNATURE

**SUBCONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS**
(Section 6)

To Contractor:

Date: 2/14/12
Project Number: 95-W 6606-01 RP
Project Name: WESTWORTH AVENUE

1. The undersigned, having executed a contract with True North Consultants, Inc
(Contractor)
for Special Waste Plans & Reports
Nature of Work)

_____ in the amount of \$ 3,500.00 in the construction of the above-identified project,
certifies that:

- (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
- (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
- (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.

2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on TBD
(Date)

4. He certifies that:

(a) The legal name and the business address of the undersigned are:

True North Consultants, Inc.
1240 Ridgeway Ave, Ste 210
Naperville, IL 60563

(b) The undersigned is (check one):

- Sole Proprietorship
- Partnership
- Corporation
- Other Organization (Describe)

(c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
<u>Ryan LaDias</u>	<u>President</u>	<u>1912 Rhoads Ave, St. Charles, IL</u>
<u>Brian M. Melich</u>	<u>Vice President</u>	<u>1179 Fairfax Ave, South Elgin, IL</u>
<u>Michael Brewer</u>	<u>Vice President</u>	<u>444 Redondo Drive, Danvers, IL</u>

DATE 2/13/12

SUBCONTRACTOR

X
SIGNATURE

**SUBCONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS**
(Section 6)

To Contractor:

Date: 2/14/2012
Project Number: 95-W6006-01-RP
Project Name: Westworth Ave.

The undersigned having executed a contract with _____
(Contractor)
for General Furnish & Install
Nature of Work)
_____ in the amount of \$ 8,187.31 in the construction of the above-identified project.
certifies that:

- (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
 - (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.8(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
 - (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.
2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on As Requested
(Date)

4. He certifies that:

- (a) The legal name and the business address of the undersigned are: Northern Contracting Inc.
1851 Coltonville Rd.
Sycamore, Ill. 60198
- (b) The undersigned is (check one):
 Sole Proprietorship
 Partnership
 Corporation
 Other Organization (Describe) _____

(c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
<u>Richard Roerch</u>	<u>President</u>	<u>1851 Coltonville Rd. Sycamore, Ill. 60198</u>

DATE 2/14/2012

SUBCONTRACTOR
X Richard L Roerch
SIGNATURE

**SUBCONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS**
(Section 6)

To Contractor:

Date: 2-7-12
Project Number: 95-w6606-01-AA
Project Name: UHD-Wentworth Ave
Gallagher Asphalt Co
(Contractor)

1. The undersigned, having executed a contract with _____
_____ for pavement marking
Nature of Work)
_____ in the amount of \$ 30351.66 in the construction of the above-identified project,
certifies that:

- (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
- (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
- (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.

2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier-subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on TBD
(Date)

4. He certifies that:

(a) The legal name and the business address of the undersigned are:

- (b) The undersigned is (check one):
 Sole Proprietorship
 Partnership
 Corporation
 Other Organization (Describe)

(c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
<u>Joan Yario</u>	<u>President</u>	
<u>Joseph Yario</u>	<u>Vice President</u>	

Superior Road Striping Inc.
1967 Cornell Court
Melrose Park, IL 60160

DATE 2-7-12

SUBCONTRACTOR

X
SIGNATURE

471

**SUBCONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS**
(Section 6)

To Contractor:

Date: February 15, 2012

Project Number: Section: 95-W6606-01-RP on Route No. W66

Project Name: Wentworth Avenue Glenwood-Lansing

Road to Ridge Road

1. The undersigned, if awarded a contract with Galagher Asphalt
_____ for Tree Removal
_____ in the amount of \$ 9060 in the construction of the above-identified project,
certifies that:

- (a) The Labor Standards provisions of the Contract for Construction will be included in the aforesaid contract.
- (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5,6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended (40 U.S.C. 276a-2(a))
- (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.

2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on PER CONTRACT
(Date)

4. He certifies that:

- (a) The legal name and the business address of the undersigned are: Clean Cut Tree Service, Inc.
210 Lake Ave Ste 8
Lake Villa, IL 60046
- (b) The undersigned is (check one):
 Sole Proprietorship
 Partnership
 Corporation
 Other Organization (Describe) _____
- (c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
<u>Kelly E Kelly</u>	<u>Pres</u>	<u>25153 W Sunset Ln Lake Villa, IL 60046</u>
<u>Patrick J Kelly</u>	<u>VP</u>	<u>36794 N Hickory Ct Ingleside, IL 60041</u>

DATE 2-14-12

SUBCONTRACTOR
X [Signature]
SIGNATURE

471

SUBCONTRACTOR'S CERTIFICATION CONCERNING LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS

(Section 6)

To Contractor:

Date: FEBRUARY 14, 2012
Project Number: _____
Project Name: 1101 ST - SUBPARK TO NORTH FORD RESIDENT

1. The undersigned, having executed a contract with _____ (Contractor)

for LANDSCAPING
Nature of Work)

_____ in the amount of \$ _____ in the construction of the above-identified project, certifies that

- (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
- (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an Ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
- (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.

2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on ± MAY 1ST, 2012
(Date)

4. He certifies that:

(a) The legal name and the business address of the undersigned are:
NATURAL CREATIONS LANDSCAPING INC. 350 E. BRUCE STREET JULIET, IL. 60434

- (b) The undersigned is (check one):
- Sole Proprietorship
- Partnership
- Corporation
- Other Organization (Describe)

(c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
<u>JEE M. GARCIA</u>	<u>PRESIDENT</u>	<u>350 E. BRUCE STREET JULIET, IL. 60434</u>
<u>MARY G. GARCIA</u>	<u>SECRETARY</u>	<u>" " "</u>

DATE FEB. 14, 2012

SUBCONTRACTOR
X [Signature]
SIGNATURE
JEE M. GARCIA, president

**SUBCONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS**
(Section 6)

To Contractor:

Date: FEB 15, 2012
Project Number: SEC-98-W14014-01-RP
Project Name: WILLOW LAKE - GLENWOOD - LAUNING, E.D.
TO RIDGE ROAD.

1. The undersigned, having executed a contract with _____
(Contractor)
_____ for PILING AND BOX COLLAR MISC.
(Nature of Work)
_____ in the amount of \$ 234,924.⁰⁰ in the construction of the above-identified project,
certifies that:

- (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
- (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended (40 U.S.C. 276a-2(a)).
- (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.

2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on PER CONTRACT
(Date)

4. He certifies that:

(a) The legal name and the business address of the undersigned are:

(b) The undersigned is (check one):
 Sole Proprietorship
 Partnership LLC
 Corporation
 Other Organization (Describe)

(c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
<u>SUSAN SANSAL</u>	<u>- PRIN.</u>	<u>819 FOREST AVE, EMARTON, IL 60702</u>
<u>QUEL ESCHÉ</u>	<u>- VP</u>	<u>900 KAY ST, CRYSTAL LAKE, IL 60014</u>

DATE 02-14-2012

SUBCONTRACTOR
[Signature]
SIGNATURE

**SUBCONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS**
(Section 6)

To Contractor:

Date: March 20, 2012
Project Number: _____
Project Name Wentworth Avenue

1. The undersigned, having executed a contract with Gallagher Asphalt
(Contractor)
_____ for Concrete Curb / Sidewalk
(Nature of Work)

_____ in the amount of \$346,141.25 in the construction of the above-identified project, certifies that:

- (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
 - (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
 - (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.
2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on 6/1/12
(Date)

4. He certifies that:

(a) The legal name and the business address of the undersigned are:

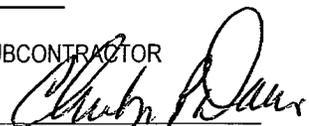
(b) The undersigned is (check one):
 Sole Proprietorship
 Partnership
 Corporation
 Other Organization (Describe)

(c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
<u>Charles F. Davis</u>	<u>Pres.</u>	<u>11633 S. Mayfield Ave. Alsip, IL 60803</u>
<u>Chistopher P. Davis</u>	<u>Corp. Sec'y.</u>	<u>" " " "</u>

DATE 3/20/12

SUBCONTRACTOR

X 
SIGNATURE

SIGNATURE BY A SOLE PROPRIETOR
(SECTION 6)

The Undersigned hereby certifies and warrants: that all of the statements, certifications and representations set forth in this EDS are true, complete and correct; that the Undersigned is in full compliance and will continue to be in compliance throughout the term of the Contract or County Privilege issued to the Undersigned with all the policies and requirements set forth in this EDS; and that all facts and information provided by the Undersigned in this EDS are true, complete and correct. The Undersigned agrees to inform the Cook County Chief Procurement Officer in writing if any of such statements, certifications, representations, facts or information becomes or is found to be untrue, incomplete or incorrect during the term of the Contract or County Privilege.

BUSINESS NAME: _____

BUSINESS ADDRESS: _____

BUSINESS TELEPHONE: _____ FAX NUMBER: _____

FEIN/SSN: _____

COOK COUNTY BUSINESS REGISTRATION NUMBER: _____

SOLE PROPRIETOR'S SIGNATURE: _____

PRINT NAME: _____

DATE: _____

Subscribed to and sworn before me this

_____ day of _____, 20____

My commission expires:

X _____
Notary Public Signature

Notary Seal

SIGNATURE BY A PARTNERSHIP (AND/OR A JOINT VENTURE)
(SECTION 7)

The Undersigned hereby certifies and warrants: that all of the statements, certifications, and representations set forth in this EDS are true, complete and correct; that the Undersigned is in full compliance and will continue to be in compliance throughout the term of the Contract or County Privilege issued to the Undersigned with all the policies and requirements set forth in this EDS; and that all of the facts and information provided by the Undersigned in this EDS are true, complete and correct. The Undersigned agrees to inform the Cook County Chief Procurement Officer in writing if any of such statements, certifications, representations, facts or information becomes or is found to be untrue, incomplete or incorrect during the term of the Contract or County Privilege.

BUSINESS NAME: _____

BUSINESS ADDRESS: _____

BUSINESS TELEPHONE: _____ FAX NUMBER: _____

CONTACT PERSON: _____ FEIN/SSN: _____

*COOK COUNTY BUSINESS REGISTRATION NUMBER: _____

SIGNATURE OF PARTNER AUTHORIZED TO EXECUTE CONTRACTS ON BEHALF OF PARTNERSHIP:

*BY: _____

Date: _____

Subscribed to and sworn before me this

_____ day of _____, 20__

My commission expires:

X _____
Notary Public Signature

Notary Seal

* **Attach hereto a partnership resolution or other document authorizing the individual signing this Signature Page to so sign on behalf of the Partnership.**

**SIGNATURE BY A CORPORATION
(SECTION 8)**

The Undersigned hereby certifies and warrants: that all of the statements, certifications, and representations set forth in this EDS are true, complete and correct; that the Undersigned is in full compliance and will continue to be in compliance throughout the term of the Contract or County Privilege issued to the Undersigned with all the policies and requirements set forth in this EDS; and that all of the facts and information provided by the Undersigned in this EDS are true, complete and correct. The Undersigned agrees to inform the Cook County Chief Procurement Officer in writing if any of such statements, certifications, representations, facts or information becomes or is found to be untrue, incomplete or incorrect during the term of the Contract or County Privilege.

BUSINESS NAME: Gallagher Asphalt Corporation

BUSINESS ADDRESS: 18100 South Indiana Avenue
Thornton, IL 60476

BUSINESS TELEPHONE: 708-877-7160 FAX NUMBER: 708-877-5222

CONTACT PERSON: Jeffrey L. Kolmodin

FEIN: 36-2061280 *IL CORPORATE FILE NUMBER: F-1224-240-9

LIST THE FOLLOWING CORPORATE OFFICERS:

PRESIDENT: Charles J. Gallagher VICE PRESIDENT: Mark W. Riester

SECRETARY: Daniel J. Gallagher TREASURER: Patrick D. Gallagher

**SIGNATURE OF PRESIDENT: *Charles J. Gallagher*

ATTEST: *Daniel J. Gallagher* (CORPORATE SECRETARY)

Subscribed and sworn to before me this

15th day of February, 2012

x *Karen Hankus*
Notary Public Signature

My commission expires 6-11-14



* If the corporation is not registered in the State of Illinois, a copy of the Certificate of Good Standing from the state of incorporation must be submitted with this Signature Page.

** In the event that this Signature Page is signed by any persons than the President and Secretary, attach either a certified copy of the corporate by-laws, resolution or other authorization by the corporation, authorizing such persons to sign the Signature Page on behalf of the corporation.

COOK COUNTY SIGNATURE PAGE
(SECTION 9)

ON BEHALF OF THE COUNTY OF COOK, A BODY POLITIC AND CORPORATE OF THE STATE OF ILLINOIS, THIS CONTRACT IS HEREBY EXECUTED BY:

Joni Overmire

PRESIDENT, COOK COUNTY BOARD OF COMMISSIONERS

Maria de Lourdes

CHIEF PROCUREMENT OFFICER

Not Required

COOK COUNTY COMPTROLLER

DATED AT CHICAGO, ILLINOIS THIS 3rd DAY OF April, 2012.

IN THE CASE OF A BID, THE COUNTY HEREBY ACCEPTS:

THE FOREGOING BID AS IDENTIFIED IN THE CONTRACT DOCUMENTS FOR CONTRACT NUMBER

12-28-017

OR

ITEM(S), SECTION(S), PART(S): Wentworth Avenue – Glenwood-Lansing Road to Ridge Road

Section: 95-W6606-01-FP

TOTAL AMOUNT OF CONTRACT: \$ 6,302,318.17

(DOLLARS AND CENTS)

FUND CHARGEABLE: 600-600

APPROVED AS TO FORM:

Kate M. Kelly

ASSISTANT STATE'S ATTORNEY

SURETY'S STATEMENT
of
QUALIFICATION FOR BONDING
(Section 10)

This document must be accurately executed (by the Surety Company) and yielded as part of this Bid.

IF THIS DOCUMENT IS NOT ACCURATELY EXECUTED AND SUBMITTED WITH THE BID PACKAGE, THIS CONSTITUTES CAUSE FOR DISQUALIFICATION OF THE VENDOR FROM BIDDING ON THIS CONTRACT.

The undersigned confirms that: Fidelity and Deposit Company of Maryland
(SURETY COMPANY)

would execute a Performance/Payment Bond in favor of the County of Cook for the full amount

of the bid/contract: 95-W6606-01-FP
(NUMBER)

to: Gallagher Asphalt Corporation
(BIDDER)

The penalty of this bond is to be \$ 100% of the Contract Amount
(TOTAL DOLLAR AMOUNT OF CONTRACT)

SURETY Fidelity and Deposit Company of Maryland
(SURETY COMPANY'S AUTHORIZED SIGNATURE)

CORPORATE

BY: Sherene L. Hemler
(ATTORNEY-IN-FACT) Sherene L. Hemler

A+ XV 39306
AMB # NAIC

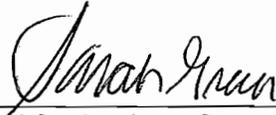
SEAL

Surety Company Acknowledgement

STATE OF **ILLINOIS**
COUNTY OF **COOK**

SS:

On this **15th day of February, 2012**, before me personally appeared **Sherene L. Hemler**, to me known, who, being by me duly sworn, did depose and say: that (s)he resides at **Palatine, Illinois**, that (s)he is the **Attorney in Fact of Fidelity and Deposit Company of Maryland**, the corporation described in and which executed the annexed instrument; that (s)he knows the corporate seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation; that (s)he signed his/her name thereto by like order; and that the liabilities of said corporation do not exceed its assets as ascertained in the manner provided by law.



Notary Public in and for the above County and State

My Commission Expires: 04/17/12



**Power of Attorney
FIDELITY AND DEPOSIT COMPANY OF MARYLAND**

KNOW ALL MEN BY THESE PRESENTS: That the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, a corporation of the State of Maryland, by THEODORE G. MARTINEZ, Vice President, and ERIC D. BARNES, Assistant Secretary, in pursuance of authority granted by Article VI, Section 2, of the By-Laws of said Company, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, does hereby nominate, constitute and appoint **Robert B. SCHUTZ, J.S. POHL, James L. SULKOWSKI, Carol A. DOUGHERTY, Robert E. KAPPUS, Sherene L. HEMLER and Sarah GREEN, all of Palatine, Illinois, EACH** its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver for and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings**, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Company, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its office in Baltimore, Md., in their own proper persons. This power of attorney revokes that issued on behalf of Robert B. SCHUTZ, J.S. POHL, James L. SULKOWSKI, Carol A. DOUGHERTY, Robert E. KAPPUS, Susan LOFTUS, dated February 3, 2006.

The said Assistant Secretary does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article VI, Section 2, of the By-Laws of said Company, and is now in force.

IN WITNESS WHEREOF, the said Vice-President and Assistant Secretary have hereunto subscribed their names and affixed the Corporate Seal of the said FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 30th day of July, A.D. 2008.

ATTEST:

FIDELITY AND DEPOSIT COMPANY OF MARYLAND



Eric D. Barnes

Theodore G. Martinez

By:

Eric D. Barnes Assistant Secretary Theodore G. Martinez

State of Maryland }
City of Baltimore } ss:

On this 30th day of July, A.D. 2008, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, came THEODORE G. MARTINEZ, Vice President, and ERIC D. BARNES, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and they each acknowledged the execution of the same, and being by me duly sworn, severally and each for himself depose and saith, that they are the said officers of the Company aforesaid, and that the seal affixed to the preceding instrument is the Corporate Seal of said Company, and that the said Corporate Seal and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.



Maria D. Adamski

Maria D. Adamski Notary Public
My Commission Expires: July 8, 2015

EXTRACT FROM BY-LAWS OF FIDELITY AND DEPOSIT COMPANY OF MARYLAND

"Article VI, Section 2. The Chairman of the Board, or the President, or any Executive Vice-President, or any of the Senior Vice-Presidents or Vice-Presidents specially authorized so to do by the Board of Directors or by the Executive Committee, shall have power, by and with the concurrence of the Secretary or any one of the Assistant Secretaries, to appoint Resident Vice-Presidents, Assistant Vice-Presidents and Attorneys-in-Fact as the business of the Company may require, or to authorize any person or persons to execute on behalf of the Company any bonds, undertakings, recognizances, stipulations, policies, contracts, agreements, deeds, and releases and assignments of judgements, decrees, mortgages and instruments in the nature of mortgages,....and to affix the seal of the Company thereto."

CERTIFICATE

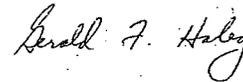
I, the undersigned, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that the Vice-President who executed the said Power of Attorney was one of the additional Vice-Presidents specially authorized by the Board of Directors to appoint any Attorney-in-Fact as provided in Article VI, Section 2, of the By-Laws of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed."

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said Company,

this 15th day of February, 2012.



Assistant Secretary

SURETY BOND FORM
(Section 11)

KNOW ALL MEN: That we _____
(Insert here name and address of legal title of contractor)

_____ hereinafter called the Principal, and _____

_____ and
(Insert here name and address or legal title of one or more sureties)

_____ and

hereinafter called the Surety are held and firmly bound unto The County of Cook, a body politic and corporate of the State of Illinois hereinafter called the County, and to such persons, firms and corporations having contracts with the within named Principal or with sub-contractors for the furnishing of materials or labor to the improvement contemplated in the contract hereinafter mentioned, in the penal sum of _____ Dollars (\$ _____) for the payment whereof the Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally firmly, by these presents.

Whereas, the Principal has under date of _____ **Award of Contract** _____ entered into a Contract with the County for **WENTWORTH AVENUE – Glenwood –Lansing Road to Ridge Road; Section 95-W6606-01-RP, Route W66, in the Township of Bloom/Thornton, Purchasing Contract No. 12-28-017.**

Now, therefore, the Condition of this Obligation is such that if the Principal shall faithfully perform the work in accordance with the terms of said contract and shall commence and complete the work within the time prescribed in said contract, and shall indemnify and save harmless the County from any direct or indirect damages that may be suffered or claimed on account of such construction, or improvement during the time of the performance thereof, and in addition thereto for a period of one year after said improvement is accepted and shall promptly make payment of all sums due for labor, material, apparatus, fixtures or machinery furnished for the purpose of such construction or improvement, and shall have complied with the requirement in said contract for the payment of not less than the general prevailing wage rates to all laborers, workmen and mechanics in accordance with the findings of The Board of County Commissioners for The County of Cook in compliance with "An Act regulating wages of laborers, mechanics and other workmen employed under contracts for public work," Approved June 26, 1941, as amended, or to such wage rates as may be determined by the court on appeal as is in said Act provided, then this Obligation shall be null and void; otherwise it shall remain in full force and effect.

And the said surety, for value received, hereby stipulates and agrees that no extension of time for performance provided for in said contract, and that no change, alteration or addition to the terms of the contract or to the work to be performed there under shall in any wise affect its obligation under this bond,

and it does hereby waive notice of any such extension of time, change alteration or addition to the terms of the contract or to the work to be performed there under.

Contract dated: _____

For **WENTWORTH AVENUE – Glenwood –Lansing Road to Ridge Road; Section 95-W6606-01-RP, Route W66, in the Township of Bloom/Thornton, Purchasing Contract No. 12-28-017.**

The principal and sureties on this bond agree to pay all persons, firms and corporations having contracts with the principal or with sub-contractors, all just claims due them under the provisions of such contracts for labor performed or materials furnished, in the performance of the contract on account of which this bond is given, when such claims are not satisfied out of the contract price of the contract on account of which this bond is given, after final settlement between the County and the Principal has been made, in accordance with the provisions of "An Act in relation to bonds of contractors entering into contracts for public construction." Approved June 20, 1931, as amended.

Signed and sealed this _____ day of _____ A.D.20 _____.

In the Presence of
ATTEST:

Principal (Seal)

It's _____ Secretary

By _____
It's _____ President

Surety (Seal)

By _____ (Seal)
It's Attorney in Fact

Approved as to form:

By _____
Assistant State's Attorney

6. Performance and Payment Bond

Bond# 09048694

PERFORMANCE AND PAYMENT BOND TO THE COUNTY OF COOK

Know All Men by These Presents, That we, Gallagher Asphalt Corporation

as principle, and Fidelity and Deposit Company of Maryland

1400 American Lane, T2-3, Schaumburg, IL 60196, as surety, are

held and firmly bound unto The County of Cook in the penal sum of Six Million Three Hundred and Two
Thousand Three Hundred Eighteen Dollars and 17/100 Dollars (\$ 6,302,318.17), lawful money of the

United States of America, for the payment of which sum of money well and truly to be made, we bind ourselves, our
respective heirs, executors, administrators, successors and assigns, firmly, by these presents.

Signed, sealed, and delivered this 3rd day of April A.D. 2012

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH, That whereas, the above bounden principle entered
into a certain contract with The County of Cook, Bearing date the 3rd day of April A.D. 2012
for Wentworth Ave - Glenwood-Lansing Rd to Ridge Road, Section 95-W6606-01-FP Route W66

The terms and conditions of the Illinois Public Construction Bond Act, 30 ILCS 550 *et seq.* are hereby incorporated
by reference.

It is hereby expressly understood and agreed, and made a condition hereof, that any judgement rendered in
favor of any person not a party to said contract against The County of Cook in any suit arising out of said contract or
its performance, when reasonable notice of the pendency of such suit shall have been given to said principle and to
said surety, shall be conclusive against said principle and said surety as to both liability and amount.

In Witness Whereof, said parties hereto have caused this bond to be executed and delivered at Chicago,
Illinois, all on the day and year first above written.

Gallagher Asphalt Corporation

PRINCIPAL/CONTRACTOR

SEAL

By Chris J. Gallagher
PRESIDENT

ME W M
Asst. SECRETARY

Fidelity and Deposit Company of Maryland

SURETY

SEAL

By Carol A. Dougherty
SURETY/ATTORNEY-IN-FACT Carol A. Dougherty
(ATTACH POWER OF ATTORNEY)

A+ XV

39306

AMB#

NAIC#

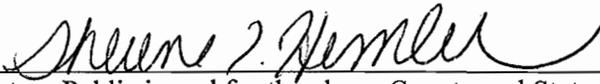
Approved as to form:

By: John J. Madala
ASSISTANT STATES ATTORNEY

Surety Company Acknowledgement

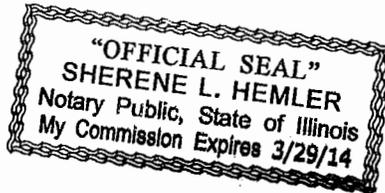
STATE OF **ILLINOIS**
COUNTY OF **COOK** SS:

On this **3rd day of April, 2012**, before me personally appeared **Carol A. Dougherty**, to me known, who, being by me duly sworn, did depose and say: that (s)he resides at **Palatine, Illinois**, that (s)he is the **Attorney in Fact of Fidelity and Deposit Company of Maryland**, the corporation described in and which executed the annexed instrument; that (s)he knows the corporate seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation; that (s)he signed his/her name thereto by like order; and that the liabilities of said corporation do not exceed its assets as ascertained in the manner provided by law.



Notary Public in and for the above County and State

My Commission Expires: 03/29/14



Power of Attorney
FIDELITY AND DEPOSIT COMPANY OF MARYLAND

KNOW ALL MEN BY THESE PRESENTS: That the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, a corporation of the State of Maryland, by THEODORE G. MARTINEZ, Vice President, and ERIC D. BARNES, Assistant Secretary, in pursuance of authority granted by Article VI, Section 2, of the By-Laws of said Company, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, does hereby nominate, constitute and appoint **Robert B. SCHUTZ, J.S. POHL, James L. SULKOWSKI, Carol A. DOUGHERTY, Robert E. KAPPUS, Sherene L. HEMLER and Sarah GREEN, all of Palatine, Illinois, EACH** its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings**, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Company, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its office in Baltimore, Md., in their own proper persons. This power of attorney revokes that issued on behalf of Robert B. SCHUTZ, J.S. POHL, James L. SULKOWSKI, Carol A. DOUGHERTY, Robert E. KAPPUS, Susan LOFTUS, dated February 3, 2006.

The said Assistant Secretary does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article VI, Section 2, of the By-Laws of said Company, and is now in force.

IN WITNESS WHEREOF, the said Vice-President and Assistant Secretary have hereunto subscribed their names and affixed the Corporate Seal of the said FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 30th day of July, A.D. 2008.

ATTEST:

FIDELITY AND DEPOSIT COMPANY OF MARYLAND



Eric D. Barnes

Theodore G. Martinez

By:

Eric D. Barnes *Assistant Secretary* *Theodore G. Martinez*

State of Maryland }
City of Baltimore } ss:

On this 30th day of July, A.D. 2008, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, came THEODORE G. MARTINEZ, Vice President, and ERIC D. BARNES, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and they each acknowledged the execution of the same, and being by me duly sworn, severally and each for himself deposed and saith, that they are the said officers of the Company aforesaid, and that the seal affixed to the preceding instrument is the Corporate Seal of said Company, and that the said Corporate Seal and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.



Maria D. Adamski

Maria D. Adamski *Notary Public*
My Commission Expires: July 8, 2015

EXTRACT FROM BY-LAWS OF FIDELITY AND DEPOSIT COMPANY OF MARYLAND

"Article VI, Section 2. The Chairman of the Board, or the President, or any Executive Vice-President, or any of the Senior Vice-Presidents or Vice-Presidents specially authorized so to do by the Board of Directors or by the Executive Committee, shall have power, by and with the concurrence of the Secretary or any one of the Assistant Secretaries, to appoint Resident Vice-Presidents, Assistant Vice-Presidents and Attorneys-in-Fact as the business of the Company may require, or to authorize any person or persons to execute on behalf of the Company any bonds, undertakings, recognizances, stipulations, policies, contracts, agreements, deeds, and releases and assignments of judgements, decrees, mortgages and instruments in the nature of mortgages,...and to affix the seal of the Company thereto."

CERTIFICATE

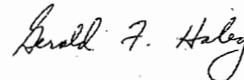
I, the undersigned, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that the Vice-President who executed the said Power of Attorney was one of the additional Vice-Presidents specially authorized by the Board of Directors to appoint any Attorney-in-Fact as provided in Article VI, Section 2, of the By-Laws of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed."

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said Company,

this 15th day of February, 2012.



Assistant Secretary

CONTRACT
(SECTION 10)

This AGREEMENT made and entered into this 3rd day of April A.D., 20 12 by and between The County of Cook, party of the first part and hereinafter called County, and Gallagher Asphalt Corporation, party of the second part and hereinafter called Contractor.

WITNESSETH:

That for and in consideration of the payments to be made by the said County as hereinafter provided, the said Contractor hereby covenants and agrees with the said County to do all the work and furnish all the labor, materials, machinery, apparatus, implements, tools, and other things necessary for the improvement of a section of the public highway known as Wentworth Avenue – Glenwood-Lansing Road to Ridge Road. In the Township of Bloom/Thornton; County of Cook, and State of Illinois, said section known or to be known as Section: 95-W6606-01-FP; Route W66 at his own cost and expense, free from all liens, claims, and charges whatsoever, and in a good substantial, thorough and workmanlike manner, and in strict and full accordance, conformity and compliance with all the terms and conditions of this contract and the requirements under it of the County Superintendent of Highways of Cook County, Illinois, and under the direction and to the satisfaction of the said County Superintendent of Highways.

It is expressly understood and agreed by and between said County and said Contractor that the Bid hereto attached and Notice to Contractors, Specifications, Plans, Maps, Blue Prints, and Drawings, on file in the Office of the County Superintendent of Highways of Cook County, Illinois, and in the office of the Department of Transportation, Springfield, Illinois, copies of which are hereto attached, hereby are included in and made a part of this contract.

The Contractor shall not begin construction operations until the contract has been approved by the Board of Cook County Commissioners and fully executed by the County. Subsequent to contract execution, the Contractor will be notified by a notice-to-proceed letter from the County Superintendent of Highways of the County of Cook to commence operations on a specified date. The undersigned agrees to start construction operations on the date so specified and to complete the proposed improvement in full compliance with the contract on or before November 30, 2012.

The County Superintendent of Highways shall at the end of each month make an estimate in writing, such as in his opinion shall be just and fair, of the amount of materials furnished, delivered, properly set in place and incorporated into the herein described improvement, and the amount of work properly done by said Contractor in the performance of the work hereunder and the value thereof under and according to the terms of this contract.

The first estimate shall cover the amount of work performed and the value of the materials properly set in place and incorporated into the herein described improvement since said Contractor commenced the performance of this contract, and each subsequent estimate, except the final one, shall be of the amount of

work performed and the value of the materials properly set in place and incorporated into said improvement since the last preceding estimate was made.

Such estimates of amount and quality shall not be required to be made by strict measurement, but shall be sufficient if they are made approximately only, and each such estimate shall be submitted to the Board of County Commissioners of Cook County and upon approval by said Board of Commissioners said County shall pay to said Contractor ninety per cent (90%) of the amount stated in said estimates.

At least one week before each payment falls due, said Contractor shall submit to said County Superintendent of Highways requisition for such payment, and, shall, if required, submit therewith an itemized statement of the quantities and cost and proportionate profit of work performed to the termination of the period to be covered by such payment, together with an affidavit setting forth that the items in said statement are true and just, that the services were rendered, that the articles or materials were furnished, that the sum claimed is due and unpaid, after allowing all just credits, that all labor, materials, apparatus, fixtures, and machinery furnished or used have been paid for, and if not, stating those not paid for, giving the amount due, to whom due, and for what due, attaching to said affidavit waivers of lien from those mentioned in said exceptions as having unpaid claims, and such affidavit shall contain such other matter as may be deemed necessary by the said County Superintendent of Highways to protect said County in its payments, and any such statement shall not be binding upon said County Superintendent of Highways.

There shall be deducted from the amount so determined for the first fifty (50) percent of the completed work a sum of ten (10) percent to be retained until after the completion of the entire work to the satisfaction of the County. After fifty (50) percent or more of the work is completed, the County may, at its discretion, certify the remaining partial payments without any further retention, provided that satisfactory progress is being made, and provided that the amount retained is not less than five (5) percent of the total adjusted contract price.

It is expressly agreed by the parties hereto that in the event any defects or imperfections in the materials or workmanship to be furnished by the Contractor herein appear within the period of one year from the date of completion of all the work mentioned herein and the acceptance thereof by said County, the Contractor will, upon notice from the said County Superintendent of Highways, (which notice may be given by letter mailed to said Contractor to the business address of the Contractor shown in the Proposal), repair and make good at his own cost any such defects or imperfections and replace any defective or imperfect materials or workmanship with other materials or workmanship satisfactory to said County Superintendent of Highways, and furnish all such new materials and labor as may be necessary to do so; and in the event of the failure, refusal or delay of said Contractor to so make good, repair or replace said workmanship or materials, said County may do so or have same done by others, and said Contractor and the surety or sureties on his bond given for the faithful performance of this contract shall be liable to The County of Cook for all damages and expense occasioned by such failure, refusal or delay.

It is expressly and mutually covenanted and agreed that all of the Plans and Specifications hereinbefore mentioned and this Instrument together are the documents forming the contract between said

County and said Contractor and are correlative, and whatever may be provided for and required by one of said documents shall be as binding as if provided for and required by two or more of them.

The Contractor expressly agrees that not less than the general prevailing rate of wages as found by The Board of County Commissioners for The County of Cook in accordance with the provisions of "An Act regulating wages of laborers, mechanics and other workmen employed under contracts for public works", Approved June 26, 1941, as amended, or such wage rates as may be determined by the court on appeal as in said Act provided, shall be paid to all laborers, workmen and mechanics performing work under this contract. The prevailing wage rates as found by the said Board of County Commissioners are on file in the office of the County Clerk for the County of Cook.

It is expressly understood and agreed that if the said Contractor shall fail, refuse or neglect to comply with said contract and Plans and Specifications or any provisions therein contained, or to proceed according to the terms of said contract and Plans and Specifications or any part thereof, in the manner and at the time as directed by the said County Superintendent of Highways, then the said County shall have the right, and The Board of County Commissioners of Cook County is hereby given authority on behalf of the said County to declare this contract forfeited, and the said County may re-bid the whole or any part thereof upon such terms as it may see fit without prejudice to any of its rights herein.

It is expressly understood and agreed by the parties hereto that the County Superintendent of Highways shall fix and determine the amount of damages to be paid to said County by the said Contractor by reason of the failure or refusal to perform this contract or comply with the provisions thereof as aforesaid, and the said Contractor hereby agrees to be held liable for the amount so fixed and determined and agrees to pay such amount; and the said County shall apply in payment of any such amount so fixed and determined any and all sums on hand or due and owing to said Contractor, and if there be not sufficient money on hand or due and owing to said Contractor to balance and pay said amount so fixed and determined, then, in such case, any amount remaining unpaid shall be a valid and subsisting claim against the said Contractor and the surety or sureties on his bond given for the faithful performance of this agreement.

BID DEPOSIT FORM

**AS REQUIRED BY INSTRUCTION TO BIDDER OF/AND INCONJUNCTION
WITH THE BID HEREWITH SUBMITTED**

(THIS FORM MUST BE SUBMITTED WITH THE BID)

TO: COOK COUNTY HIGHWAY DEPARTMENT

BID FOR: Wentworth Ave (Glenwood) - Lansing Road to Ridge Road

BID OPENING DATE: 2/15/12

We deposit (subject to all condition of said proposal) the following described deposit check:

() Cashier's Check () Bank Draft (x) Bid Bond () Other

Drawn on: _____ **of** _____ **Bank** _____ **City** _____ **State** _____

Draft or Check Number: _____ **Date:** _____

Amount: \$ 5% of Total Bid

Submitted by: Gallagher Asphalt Corporation

Bidder
18100 South Indiana Avenue

Street Address
Thornton, IL 60476

City _____ **State** _____ **Zip Code** _____

DO NOT WRITE IN THE SPACES BELOW

The above described Deposit Check is:

- () Held** _____ **Date** _____
- () Mailed** _____ **Date** _____
- () Delivered To** _____ **Date** _____
- () Bond Substituted** _____ **Date** _____
- () Bond Mailed To** _____ **Date** _____



COUNTY OF COOK
DEPARTMENT OF HIGHWAYS

Proposal Bid Bond

Wentworth Avenue -Glenwood-
Project Lansing Road to Ridge Road
Section 95-W6606-01-FP
Date February 15, 2012
Letting February 15, 2012

We Gallagher Asphalt Corporation

Fidelity and Deposit Company of Maryland as PRINCIPAL, and _____ as SURETY, are held and firmly bound unto the County of Cook a body politic and corporate of the state of Illinois herein after called the County in the penal sum of 5% of the total bid price, or for the amount specified in Article 102.09 of the "Standard Specifications for Road and Bridge Construction" in effect on the date of invitation for bids. We bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly to pay to the County this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said PRINCIPAL is submitting a written proposal to the County acting through its awarding agency for the construction of the work designated as the above section.

THEREFORE, if the proposal is accepted and a contract awarded to the PRINCIPAL by the County for the above-designated section, and the PRINCIPAL shall within fifteen (15) days after award enter into a formal contract, furnish surety guaranteeing the faithful performance of the work, and furnish the required insurance coverage, all as provided in the "Standard Specifications for Road and Bridge Construction" and applicable Supplemental Specifications, then this obligation shall become void; otherwise it shall remain in full force and effect.

IN THE EVENT the County determines the PRINCIPAL has failed to enter into a formal contract in compliance with any requirements set forth in the preceding paragraph, then the County acting through its awarding agency shall immediately be entitled to recover the full penal sum set out above, together with all court costs, all attorney fees, and any other expense of recovery.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers and their corporate seals to be hereunto affixed this 15th day of February A.D. 2012.

PRINCIPAL

Gallagher Asphalt Corporation
(Company Name) (Seal)
BY: [Signature]
Vice-Pres (Signature & Title)

(Company Name) (Seal)
BY: _____
(Signature & Title)

(If PRINCIPAL is a joint venture of two or more contractors, the company names, seals and authorized signatures of each contractor must be affixed.)

SURETY

Fidelity and Deposit Company of Maryland
(Name of Surety) (Seal)

BY: [Signature]
(Signature of Attorney-in-fact)
Sherene L. Hemler, Attorney In Fact

STATE OF ILLINOIS,
COUNTY OF COOK.

I, Karen I. Hankus, a Notary Public in and for Cook County, do hereby certify that Jeffrey L. Kolmodin

(Insert names of individuals signing on behalf of PRINCIPAL & SURETY.)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of PRINCIPAL and SURETY, appeared before me this day in person and acknowledged respectively, that they signed, sealed, and delivered said instrument as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 15th day of February

My commission expires 6-11-14

NOTARY PUBLIC - STATE OF ILLINOIS
COMMISSION EXPIRES 06/11/14
[Signature]
Notary Public

NOTICE

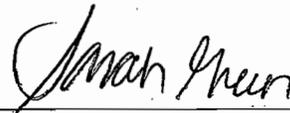
- 1. IMPROPER EXECUTION OF THIS FORM (i.e. MISSING SIGNATURES OR SEALS OR INCOMPLETE CERTIFICATION) WILL RESULT IN BID BEING DECLARED IRREGULAR.
- 2. IF BID BOND IS USED IN LIEU OF PROPOSAL GUARANTY CHECK, IT MUST BE ON THIS FORM AND MUST BE SUBMITTED WITH BID.

Surety Company Acknowledgement

STATE OF ILLINOIS
COUNTY OF COOK

SS:

On this 15th day of February, 2012, before me personally appeared **Sherene L. Hemler**, to me known, who, being by me duly sworn, did depose and say: that (s)he resides at **Palatine, Illinois**, that (s)he is the **Attorney in Fact of Fidelity and Deposit Company of Maryland**, the corporation described in and which executed the annexed instrument; that (s)he knows the corporate seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation; that (s)he signed his/her name thereto by like order; and that the liabilities of said corporation do not exceed its assets as ascertained in the manner provided by law.



Notary Public in and for the above County and State

My Commission Expires: 04/17/12



**Power of Attorney
FIDELITY AND DEPOSIT COMPANY OF MARYLAND**

KNOW ALL MEN BY THESE PRESENTS: That the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, a corporation of the State of Maryland, by THEODORE G. MARTINEZ, Vice President, and ERIC D. BARNES, Assistant Secretary, in pursuance of authority granted by Article VI, Section 2, of the By-Laws of said Company, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof does hereby nominate, constitute and appoint Robert B. SCHUTZ, J.S. POHL, James L. SULKOWSKI, Carol A. DOUGHERTY, Robert E. KAPPUS, Sherene L. HEMLER and Sarah GREEN, all of Palatine, Illinois, EACH its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for and on its behalf as aforesaid, and as its act and deed: **any and all bonds and undertakings**, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Company, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the Company at its office in Baltimore, Md., in their own proper persons. This power of attorney revokes that issued on behalf of Robert B. SCHUTZ, J.S. POHL, James L. SULKOWSKI, Carol A. DOUGHERTY, Robert E. KAPPUS, Susan LOFTUS, dated February 3, 2006.

The said Assistant Secretary does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article VI, Section 2, of the By-Laws of said Company, and is now in force.

IN WITNESS WHEREOF, the said Vice-President and Assistant Secretary have hereunto subscribed their names and affixed the Corporate Seal of the said FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 30th day of July, A.D. 2008.

ATTEST:

FIDELITY AND DEPOSIT COMPANY OF MARYLAND



Eric D. Barnes

Theodore G. Martinez

By:

Eric D. Barnes Assistant Secretary Theodore G. Martinez

State of Maryland }
City of Baltimore } ss:

On this 30th day of July, A.D. 2008, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, came THEODORE G. MARTINEZ, Vice President, and ERIC D. BARNES, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and they each acknowledged the execution of the same, and being by me duly sworn, severally and each for himself depose and saith, that they are the said officers of the Company aforesaid, and that the seal affixed to the preceding instrument is the Corporate Seal of said Company, and that the said Corporate Seal and their signatures as such officers were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporation.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.



Maria D. Adamski

Maria D. Adamski Notary Public
My Commission Expires: July 8, 2015

EXTRACT FROM BY-LAWS OF FIDELITY AND DEPOSIT COMPANY OF MARYLAND

"Article VI, Section 2. The Chairman of the Board, or the President, or any Executive Vice-President, or any of the Senior Vice-Presidents or Vice-Presidents specially authorized so to do by the Board of Directors or by the Executive Committee, shall have power, by and with the concurrence of the Secretary or any one of the Assistant Secretaries, to appoint Resident Vice-Presidents, Assistant Vice-Presidents and Attorneys-in-Fact as the business of the Company may require, or to authorize any person or persons to execute on behalf of the Company any bonds, undertakings, recognizances, stipulations, policies, contracts, agreements, deeds, and releases and assignments of judgments, decrees, mortgages and instruments in the nature of mortgages,....and to affix the seal of the Company thereto."

CERTIFICATE

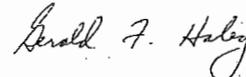
I, the undersigned, Assistant Secretary of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that the Vice-President who executed the said Power of Attorney was one of the additional Vice-Presidents specially authorized by the Board of Directors to appoint any Attorney-in-Fact as provided in Article VI, Section 2, of the By-Laws of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed."

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said Company,

this 15th day of February, 2012.



Assistant Secretary

Contractor Name: Gallagher Asphalt Corporation

Wentworth Avenue

Glenwood-Lansing Road to Ridge Road

Section No.: 95-W6606-01-FP

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
1	60	UNIT	TREE REMOVAL (6 TO 15 UNITS DIA)	\$ 15.00	\$ 900.00
2	340	UNIT	TREE REMOVAL (OVER 15 UNITS DIA)	\$ 24.00	\$ 8,160.00
3	26,268	CU YD	EARTH EXCAVATION	\$ 24.23	\$ 636,473.64
4	1,000	CU YD	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	\$ 26.98	\$ 26,980.00
5	1	L SUM	SPECIAL WASTE PLANS AND REPORTS	\$ 3,500.00	\$ 3,500.00
6	1,028	CU YD	POROUS GRANULAR EMBANKMENT, SUBGRADE	\$ 42.69	\$ 43,885.32
7	7,296	CU YD	TRENCH BACKFILL	\$ 36.35	\$ 265,209.60
8	2,344	CU YD	TOPSOIL EXCAVATION AND PLACEMENT	\$ 13.84	\$ 32,440.96
9	2	ACRE	SEEDING, CLASS 3A	\$ 2,000.00	\$ 4,000.00
10	402	POUND	NITROGEN FERTILIZER NUTRIENT	\$ 2.00	\$ 804.00
11	402	POUND	PHOSPHORUS FERTILIZER NUTRIENT	\$ 2.00	\$ 804.00
12	402	POUND	POTASSIUM FERTILIZER NUTRIENT	\$ 2.00	\$ 804.00
13	828	SQ FT	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	\$ 3.50	\$ 2,898.00
14	16,214	FOOT	PAVEMENT MARKING TAPE, TYPE III, 4 IN	\$ 0.90	\$ 14,592.60
15	28,709	SQ YD	EROSION CONTROL BLANKET	\$ 1.45	\$ 41,628.05
16	21,271	SQ YD	SODDING, SALT TOLERANT	\$ 3.00	\$ 63,813.00
17	319	UNIT	SUPPLEMENTAL WATERING	\$ 0.01	\$ 3.19
18	1,200	POUND	TEMPORARY EROSION CONTROL SEEDING	\$ 1.00	\$ 1,200.00
19	528	FOOT	TEMPORARY DITCH CHECKS	\$ 8.50	\$ 4,488.00
20	12,580	FOOT	PERIMETER EROSION BARRIER	\$ 1.75	\$ 22,015.00
21	2	EACH	INLET AND PIPE PROTECTION	\$ 250.00	\$ 500.00
22	160	EACH	INLET FILTER	\$ 10.00	\$ 1,600.00
23	35,955	SQ YD	AGGREGATE SUBGRADE, 12 IN	\$ 12.40	\$ 445,842.00
24	30,440	SQ YD	HOT-MIX ASPHALT STABILIZED SUBBASE, IL-19.0, N50 (4 1/2 IN)	\$ 13.80	\$ 420,072.00
25	2,883	SQ YD	AGGREGATE BASE COURSE, TYPE B, 4 IN	\$ 6.85	\$ 19,748.55
26	2,975	SQ YD	AGGREGATE BASE COURSE, TYPE B, 8 IN	\$ 15.15	\$ 45,071.25
27	546	SQ YD	AGGREGATE BASE COURSE, TYPE B, 10 IN	\$ 18.90	\$ 10,319.40
28	59,117	GAL	BITUMINOUS MATERIALS (PRIME COAT)	\$ 0.01	\$ 591.17
29	68	TON	AGGREGATE (PRIME COAT)	\$ 0.01	\$ 0.68
30	982	TON	LEVELING BINDER, (MACHINE METHOD), IL-9.5, N50	\$ 72.00	\$ 70,704.00

Contractor Name: Gallagher Asphalt Corporation

Wentworth Avenue

Glenwood-Lansing Road to Ridge Road

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SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
31	6,126	TON	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	\$ 58.40	\$ 357,758.40
32	4,394	TON	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	\$ 67.40	\$ 296,155.60
33	3,442	TON	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70	\$ 83.40	\$ 287,062.80
34	107	SQ YD	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 IN	\$ 42.75	\$ 4,574.25
35	25,031	SQ FT	PORTLAND CEMENT CONCRETE SIDEWALK, 5 IN	\$ 4.00	\$ 100,124.00
36	431	SQ FT	DETECTABLE WARNINGS	\$ 20.00	\$ 8,620.00
37	225	SQ YD	PAVEMENT REPLACEMENT	\$ 100.00	\$ 22,500.00
38	636	SQ YD	HOT-MIX ASPHALT SURFACE REMOVAL, 2 IN	\$ 7.20	\$ 4,579.20
39	136	SQ YD	DRIVEWAY PAVEMENT REMOVAL	\$ 29.18	\$ 3,968.48
40	1,040	FOOT	COMBINATION CURB AND GUTTER REMOVAL	\$ 7.76	\$ 8,070.40
41	14,827	SQ FT	SIDEWALK REMOVAL	\$ 1.44	\$ 21,350.88
42	651	SQ FT	SIGN PANEL, TYPE 1	\$ 27.00	\$ 17,577.00
43	13	SQ FT	SIGN PANEL, TYPE 2	\$ 40.00	\$ 520.00
44	1,353	FOOT	METAL POST - TYPE B	\$ 7.60	\$ 10,282.80
45	750	FOOT	CUTTING HOT-MIX ASPHALT SURFACE	\$ 3.50	\$ 2,625.00
46	7,206	SQ YD	PROTECTIVE COAT	\$ 0.50	\$ 3,603.00
47	1	CU YD	CONCRETE COLLAR	\$ 550.00	\$ 550.00
48	357	FOOT	PIPE UNDERDRAINS, 6 IN	\$ 21.55	\$ 7,693.35
49	997	FOOT	STORM SEWERS, TYPE 1 (RCCP CLASS IV) 12 IN	\$ 33.44	\$ 33,339.68
50	64	FOOT	STORM SEWERS, TYPE 1 (RCCP CLASS IV) 15 IN	\$ 33.30	\$ 2,131.20
51	8	FOOT	STORM SEWERS, TYPE 1 (RCCP CLASS IV) 21 IN	\$ 51.00	\$ 408.00
52	68	FOOT	STORM SEWERS, TYPE 1 (RCCP CLASS IV) 24 IN	\$ 46.00	\$ 3,128.00
53	193	FOOT	STORM SEWERS, TYPE 1 (RCCP CLASS III) 30 IN	\$ 60.30	\$ 11,637.90
54	170	FOOT	STORM SEWERS, TYPE 1 (RCCP CLASS III) 36 IN	\$ 74.90	\$ 12,733.00
55	290	FOOT	STORM SEWERS, TYPE 1 (RCCP CLASS II) 42 IN	\$ 88.50	\$ 25,665.00
56	725	FOOT	STORM SEWERS, TYPE 1 (RCCP CLASS II) 48 IN	\$ 90.80	\$ 65,830.00
57	281	FOOT	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30 IN	\$ 70.75	\$ 19,880.75
58	210	FOOT	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36 IN	\$ 89.75	\$ 18,847.50
59	227	FOOT	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 42 IN	\$ 102.95	\$ 23,369.65
60	997	FOOT	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 48 IN	\$ 113.55	\$ 113,209.35

Contractor Name: Gallagher Asphalt Corporation

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SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
61	2,915	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS III) 12 IN	\$ 33.55	\$ 97,798.25
62	428	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS III) 15 IN	\$ 35.05	\$ 15,001.40
63	406	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS III) 18 IN	\$ 38.75	\$ 15,732.50
64	1,007	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS III) 24 IN	\$ 45.80	\$ 46,120.60
65	805	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS III) 30 IN	\$ 65.20	\$ 52,486.00
66	160	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS III) 36 IN	\$ 75.75	\$ 12,120.00
67	120	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS III) 42 IN	\$ 92.20	\$ 11,064.00
68	209	FOOT	STORM SEWERS, TYPE 1 (DUCTILE IRON PIPE AWWA C151) 12 IN	\$ 67.45	\$ 14,097.05
69	168	FOOT	STORM SEWERS, TYPE 1 (DUCTILE IRON PIPE AWWA C151) 24 IN	\$ 137.25	\$ 23,058.00
70	27	FOOT	STORM SEWERS, TYPE 1 (DUCTILE IRON PIPE AWWA C151) 30 IN	\$ 230.05	\$ 6,211.35
71	30	FOOT	STORM SEWERS, TYPE 1, RUBBER GASKET (RCCP CLASS III) 60 IN X 38 IN	\$ 118.20	\$ 3,546.00
72	360	FOOT	STORM SEWERS, TYPE 2 (DUCTILE IRON PIPE AWWA C151) 12 IN	\$ 69.90	\$ 25,164.00
73	87	FOOT	STORM SEWERS, TYPE 2 (DUCTILE IRON PIPE AWWA C151) 18 IN	\$ 112.15	\$ 9,757.05
74	44	FOOT	STORM SEWERS, CLASS 52 (DUCTILE IRON PIPE AWWA C151) 8 IN	\$ 68.45	\$ 3,011.80
75	20	FOOT	SANITARY SEWER (DUCTILE IRON PIPE) 10 IN	\$ 103.95	\$ 2,079.00
76	4	EACH	MANHOLES, TYPE A, 4 FT DIA WITH TYPE 1 FRAME, CLOSED LID	\$ 1,870.00	\$ 7,480.00
77	800	FOOT	TEMPORARY BUTT JOINTS	\$ 5.25	\$ 4,200.00
78	2	EACH	MANHOLES, TYPE A, 6 FT DIA WITH TYPE 1 FRAME, CLOSED LID (WITH OVERFLOW WEIR)	\$ 5,325.00	\$ 10,650.00
79	1	EACH	MANHOLES, TYPE A, 6 FT DIA WITH RESTRICTOR PLATES AND SHEAR GATES	\$ 5,325.00	\$ 5,325.00
80	11	EACH	MANHOLES, TYPE A, 6 FT DIA WITH TYPE 1 FRAME, CLOSED LID	\$ 2,893.00	\$ 31,823.00
81	1	EACH	MANHOLES, TYPE A, 6 FT DIA WITH TYPE 8 GRATE	\$ 2,665.00	\$ 2,665.00
82	14	EACH	MANHOLES, TYPE A, 7 FT DIA WITH TYPE 1 FRAME, CLOSED LID	\$ 4,700.00	\$ 65,800.00
83	1	EACH	STORMWATER POLLUTION SEPARATION SYSTEM HS60	\$ 22,260.00	\$ 22,260.00
84	1	EACH	STORMWATER POLLUTION SEPARATION SYSTEM HS96	\$ 37,160.00	\$ 37,160.00
85	2	EACH	DUCKBILL ELASTOMERIC CHECK VALVE, 24 IN	\$ 6,940.00	\$ 13,880.00
86	1	EACH	DUCKBILL ELASTOMERIC CHECK VALVE, 48 IN	\$ 26,440.00	\$ 26,440.00
87	2	EACH	STORMWATER POLLUTION SEPARATION SYSTEM (SPECIAL), 3K	\$ 22,310.00	\$ 44,620.00
88	39	EACH	INLETS, TYPE A, 2 FT DIA WITH TYPE A-23 FRAME AND GRATE	\$ 704.20	\$ 27,463.80
89	7	EACH	INLETS, TYPE A, 2 FT DIA WITH TYPE 8 GRATE	\$ 570.00	\$ 3,990.00
90	80	EACH	CATCH BASINS, TYPE A2, 4 FT DIA WITH TYPE A-23 F&G	\$ 1,563.30	\$ 125,064.00

Contractor Name: Gallagher Asphalt Corporation

Wentworth Avenue

Glenwood-Lansing Road to Ridge Road

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SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
91	9	EACH	CATCH BASINS, TYPE A2, 4 FT DIA WITH TYPE 8 GRATE	\$ 1,330.00	\$ 11,970.00
92	3	EACH	CATCH BASINS, TYPE A2, 5 FT DIA WITH TYPE A-23 F&G	\$ 2,115.00	\$ 6,345.00
93	19	EACH	CATCH BASINS, TYPE C, 2 FT DIA WITH TYPE A-23 FRAME AND GRATE	\$ 780.00	\$ 14,820.00
94	7	EACH	CATCH BASINS, TYPE C, 2 FT DIA WITH TYPE 8 GRATE	\$ 608.00	\$ 4,256.00
95	19	EACH	FRAMES AND GRATES TO BE ADJUSTED, SPECIAL	\$ 550.00	\$ 10,450.00
96	6	EACH	WATER VALVE BOXES TO BE ADJUSTED	\$ 150.00	\$ 900.00
97	20	EACH	REMOVING MANHOLES	\$ 545.00	\$ 10,900.00
98	23	EACH	REMOVING CATCH BASINS	\$ 603.00	\$ 13,869.00
99	1	EACH	REMOVING INLETS	\$ 265.00	\$ 265.00
100	156	FOOT	STORM SEWER REMOVAL, 6 IN	\$ 10.75	\$ 1,677.00
101	24	FOOT	STORM SEWER REMOVAL, 8 IN	\$ 13.00	\$ 312.00
102	124	FOOT	STORM SEWER REMOVAL, 10 IN	\$ 10.75	\$ 1,333.00
103	685	FOOT	STORM SEWER REMOVAL, 12 IN	\$ 11.80	\$ 8,083.00
104	226	FOOT	STORM SEWER REMOVAL, 15 IN	\$ 11.70	\$ 2,644.20
105	684	FOOT	STORM SEWER REMOVAL, 18 IN	\$ 13.75	\$ 9,405.00
106	807	FOOT	STORM SEWER REMOVAL, 30 IN	\$ 18.70	\$ 15,090.90
107	1,125	FOOT	STORM SEWER REMOVAL, 36 IN	\$ 21.85	\$ 24,581.25
108	2,013	FOOT	STORM SEWER REMOVAL, 48 IN	\$ 25.85	\$ 52,036.05
109	61	FOOT	SANITARY SEWER REMOVAL, 8 IN	\$ 33.35	\$ 2,034.35
110	2,301	FOOT	FORCEMAIN REMOVAL, 8 IN	\$ 8.50	\$ 19,558.50
111	103	FOOT	PIPE CULVERT REMOVAL, 12 IN	\$ 9.40	\$ 968.20
112	177	FOOT	PIPE CULVERT REMOVAL, 24 IN	\$ 12.80	\$ 2,265.60
113	61	FOOT	BOX CULVERT REMOVAL	\$ 82.00	\$ 5,002.00
114	1	EACH	CONCRETE HEADWALL REMOVAL	\$ 300.00	\$ 300.00
115	1	EACH	PLUGGING EXISTING DRAINS AND SEWERS (12 IN OR LESS)	\$ 150.00	\$ 150.00
116	15,410	FOOT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	\$ 15.00	\$ 231,150.00
117	385	SQ FT	CONCRETE MEDIAN, TYPE SB-6.12	\$ 15.00	\$ 5,775.00
118	106.25	FOOT	STEEL PLATE BEAM GUARDRAIL, TYPE A	\$ 21.85	\$ 2,321.56
119	1	EACH	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	\$ 603.75	\$ 603.75
120	2	EACH	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	\$ 2,180.00	\$ 4,360.00

Contractor Name: Gallagher Asphalt Corporation

Wentworth Avenue

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SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
121	220	FOOT	GUARDRAIL REMOVAL	\$ 4.10	\$ 902.00
122	12	CAL MO	ENGINEER'S FIELD OFFICE, TYPE A	\$ 3,000.00	\$ 36,000.00
123	1	L SUM	TRAFFIC PROTECTION	\$ 166,350.00	\$ 166,350.00
124	1	L SUM	TRAFFIC CONTROL DEVICES - DETOUR ROUTING	\$ 14,000.00	\$ 14,000.00
125	1	L SUM	RAILROAD PROTECTIVE LIABILITY INSURANCE	\$ 6,000.00	\$ 6,000.00
126	414	SQ FT	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	\$ 3.75	\$ 1,552.50
127	16,214	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 4 IN	\$ 0.49	\$ 7,944.86
128	1,400	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 6 IN	\$ 0.70	\$ 980.00
129	142	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 12 IN	\$ 1.40	\$ 198.80
130	401	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 24 IN	\$ 3.50	\$ 1,403.50
131	376	EACH	RAISED REFLECTIVE PAVEMENT MARKER	\$ 22.00	\$ 8,272.00
132	545	FOOT	CONDUIT IN TRENCH, 2 IN DIA., GALVANIZED STEEL	\$ 13.00	\$ 7,085.00
133	106	FOOT	CONDUIT IN TRENCH, 2 1/2 IN DIA., GALVANIZED STEEL	\$ 15.00	\$ 1,590.00
134	18	FOOT	CONDUIT IN TRENCH, 4 IN DIA., GALVANIZED STEEL	\$ 19.00	\$ 342.00
135	233	FOOT	CONDUIT PUSHED, 4 IN DIA., GALVANIZED STEEL	\$ 23.00	\$ 5,359.00
136	5	EACH	HANDHOLE	\$ 1,600.00	\$ 8,000.00
137	2	EACH	HEAVY-DUTY HANDHOLE	\$ 1,680.00	\$ 3,360.00
138	1	EACH	DOUBLE HANDHOLE	\$ 2,210.00	\$ 2,210.00
139	669	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK	\$ 4.00	\$ 2,676.00
140	3	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	\$ 1,600.00	\$ 4,800.00
141	1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	\$ 24,120.00	\$ 24,120.00
142	307	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 3C	\$ 1.55	\$ 475.85
143	1,560	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO 14 5C	\$ 1.70	\$ 2,652.00
144	560	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO 14 7C	\$ 2.00	\$ 1,120.00
145	1,057	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO 14 1 PAIR	\$ 1.50	\$ 1,585.50
146	2,605	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE NO 6 2C	\$ 4.00	\$ 10,420.00
147	307	FOOT	ELECTRIC CABLE IN CONDUIT, NO 20 3/C, TWISTED, SHIELDED	\$ 2.00	\$ 614.00
148	3	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT	\$ 1,140.00	\$ 3,420.00
149	1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT	\$ 1,200.00	\$ 1,200.00
150	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT	\$ 4,900.00	\$ 4,900.00

Contractor Name: Gallagher Asphalt Corporation

Wentworth Avenue

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SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
151	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT	\$ 5,200.00	\$ 5,200.00
152	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT	\$ 6,100.00	\$ 6,100.00
153	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT	\$ 7,300.00	\$ 7,300.00
154	20	FOOT	CONCRETE FOUNDATION, TYPE A	\$ 85.00	\$ 1,700.00
155	4	FOOT	CONCRETE FOUNDATION, TYPE C	\$ 315.00	\$ 1,260.00
156	10	FOOT	CONCRETE FOUNDATION, TYPE E - 30 IN DIA	\$ 145.00	\$ 1,450.00
157	45	FOOT	CONCRETE FOUNDATION, TYPE E - 36 IN DIA	\$ 190.00	\$ 8,550.00
158	2	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	\$ 1,012.00	\$ 2,024.00
159	6	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	\$ 990.00	\$ 5,940.00
160	2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	\$ 1,400.00	\$ 2,800.00
161	2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	\$ 1,460.00	\$ 2,920.00
162	8	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	\$ 120.00	\$ 960.00
163	6	EACH	INDUCTIVE LOOP DETECTOR	\$ 188.00	\$ 1,128.00
164	546	FOOT	DETECTOR LOOP, TYPE 1	\$ 12.00	\$ 6,552.00
165	2	EACH	LIGHT DETECTOR	\$ 990.00	\$ 1,980.00
166	1	EACH	LIGHT DETECTOR AMPLIFIER	\$ 1,720.00	\$ 1,720.00
167	1	EACH	SERVICE INSTALLATION, POLE MOUNTED	\$ 1,420.00	\$ 1,420.00
168	3	EACH	RELOCATE EXISTING LIGHT STANDARD AND LUMINAIRE COMPLETE IN-PLACE	\$ 3,100.00	\$ 9,300.00
169	1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION	\$ 31,000.00	\$ 31,000.00
170	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	\$ 3,200.00	\$ 3,200.00
171	5	EACH	REMOVE EXISTING HANDHOLE	\$ 420.00	\$ 2,100.00
172	10	EACH	REMOVE EXISTING CONCRETE FOUNDATION	\$ 560.00	\$ 5,600.00
173	90	EACH	REMOVE SIGN PANEL ASSEMBLY, TYPE A	\$ 25.00	\$ 2,250.00
174	1	EACH	REMOVE SIGN PANEL ASSEMBLY, TYPE B	\$ 25.00	\$ 25.00
175	23	EACH	REMOVE, STOCKPILE AND REPLACE SIGN PANEL AND SIGN PANEL ASSEMBLY (SPECIAL)	\$ 110.00	\$ 2,530.00
176	1	EACH	UNINTERRUPTABLE POWER SUPPLY	\$ 7,100.00	\$ 7,100.00
177	8	EACH	TREE, ACER RUBRUM (RED MAPLE), 3 IN CALIPER, BALLED AND BURLAPPED	\$ 300.00	\$ 2,400.00
178	5	EACH	TREE, ACER RUBRUM RED SUNSET (RED SUNSET RED MAPLE), 3 IN CALIPER, BALLED AND BURLAPPED	\$ 300.00	\$ 1,500.00
179	6	EACH	TREE, LIRODENDRON TULIPIFERA (TULIP TREE), 3 IN CALIPER, BALLED AND BURLAPPED	\$ 400.00	\$ 2,400.00

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ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
180	3	EACH	TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 3" CALIPER, BALLED AND BURLAPPED	\$ 300.00	\$ 900.00
181	2	EACH	TREE, TILIA AMERICANA (AMERICAN LINDEN/ BASSWOOD), 3 IN CALIPER, BALLED AND BURLAPPED	\$ 300.00	\$ 600.00
182	466	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING NO 6 1C	\$ 2.00	\$ 932.00
183	4,745	SQ YD	TEMPORARY BY-PASS PAVEMENT	\$ 50.00	\$ 237,250.00
184	28,991	SQ YD	TOPSOIL FURNISH AND PLACE, 4 IN	\$ 2.25	\$ 65,229.75
185	38	EACH	TREE PROTECTION AND PRESERVATION	\$ 150.00	\$ 5,700.00
186	130	FOOT	WATER MAIN (DUCTILE IRON CLASS 52) WITH POLYETHYLENE ENCASEMENT 8 IN	\$ 149.55	\$ 19,441.50
187	60	FOOT	WATER MAIN (DUCTILE IRON CLASS 52) WITH POLYETHYLENE ENCASEMENT 10 IN	\$ 150.50	\$ 9,030.00
188	106	FOOT	WATER MAIN (DUCTILE IRON CLASS 52) WITH POLYETHYLENE ENCASEMENT 16 IN	\$ 193.95	\$ 20,558.70
189	50	FOOT	WATER MAIN (DUCTILE IRON CLASS 52) WITH POLYETHYLENE ENCASEMENT 24 IN	\$ 230.00	\$ 11,500.00
190	10,800	POUND	DUCTILE IRON FITTINGS	\$ 3.50	\$ 37,800.00
191	130	FOOT	WATER MAIN REMOVAL, 8 IN	\$ 3.70	\$ 481.00
192	60	FOOT	WATER MAIN REMOVAL, 10 IN	\$ 4.00	\$ 240.00
193	106	FOOT	WATER MAIN REMOVAL, 16 IN	\$ 4.20	\$ 445.20
194	50	FOOT	WATER MAIN REMOVAL, 24 IN	\$ 4.80	\$ 240.00
195	3	EACH	ADJUST FIRE HYDRANT WITH AUXILIARY VALVE	\$ 350.00	\$ 1,050.00
196	36	EACH	BAR SPLICERS	\$ 12.70	\$ 457.20
197	13	CU YD	CONCRETE BOX CULVERTS	\$ 2,461.50	\$ 31,999.50
198	222	CU YD	FINE OR COARSE AGGREGATE EMBANKMENT	\$ 37.20	\$ 8,258.40
199	1	EACH	IMPACT ATTENUATORS, TEMPORARY (NON-DIRECTIVE) TEST LEVEL 2	\$ 3,000.00	\$ 3,000.00
200	1	EACH	IMPACT ATTENUATORS, RELOCATE (NON-DIRECTIVE) TEST LEVEL 2	\$ 500.00	\$ 500.00
201	1	EACH	JUNCTION CHAMBER	\$ 102,380.00	\$ 102,380.00
202	6	FOOT	PIPE CULVERT, TYPE I (AASHTO M-36) 64 IN X 43 IN	\$ 152.00	\$ 912.00
203	72	FOOT	PRECAST CONCRETE BOX CULVERTS, 6 FT X 4 FT	\$ 359.70	\$ 25,898.40
204	2,440	POUND	REINFORCEMENT BARS, EPOXY COATED	\$ 2.00	\$ 4,880.00
205	120	FOOT	RELOCATE TEMPORARY CONCRETE BARRIER	\$ 2.00	\$ 240.00
206	1	EACH	REMOVAL OF EXISTING STRUCTURES	\$ 6,440.00	\$ 6,440.00
207	120	FOOT	TEMPORARY CONCRETE BARRIER	\$ 22.80	\$ 2,736.00
208	2,036	SQ FT	TEMPORARY SHEET PILING	\$ 48.80	\$ 99,356.80

Contractor Name: Gallagher Asphalt CorporationWentworth Avenue
Glenwood-Lansing Road to Ridge Road
Section No.: 95-W6606-01-FP**SCHEDULE OF PRICES**

ITEM NO.	QUANTITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
209	45	SQ FT	TEMPORARY SOIL RETENTION SYSTEM	\$ 2.50	\$ 112.50
210	160	SQ YD	STONE RIP RAP, CLASS A4	\$ 68.20	\$ 10,912.00
211	160	SQ YD	FILTER FABRIC FOR USE WITH RIPRAP	\$ 7.20	\$ 1,152.00
212	35	CU YD	STRUCTURE EXCAVATION	\$ 65.00	\$ 2,275.00
213	50	SQ FT	REMOVE AND REINSTALL DECORATIVE BRICK PAVERS	\$ 50.00	\$ 2,500.00
214	1	L SUM	CRUSHED STONE (TEMPORARY USE)	\$ 63,200.00	\$ 63,200.00
215	184	UNIT	DUST CONTROL WATERING	\$ 285.00	\$ 52,440.00
216	4	EACH	SURVEY MONUMENTS	\$ 587.50	\$ 2,350.00
217	6	EACH	CONSTRUCTING TEST STRIP	\$ 500.00	\$ 3,000.00
218	2	EACH	SOLAR FLASHING BEACON SYSTEM	\$ 4,500.00	\$ 9,000.00
219	2	EACH	PIPE ELBOW, 60"x38" ELLIPTICAL	\$ 1,500.00	\$ 3,000.00
220	23	EACH	MANHOLES, TYPE A, 5'-DIA WITH TYPE 1 FRAME, CLOSED LID	\$ 1,897.65	\$ 43,645.95
221	5	EACH	INLETS, TYPE A, 2 FT DIA WITH TYPE 1 FRAME OPEN LID	\$ 660.10	\$ 3,300.50
222	8	EACH	CATCH BASINS, TYPE C, 2 FT DIA WITH TYPE 1 FRAME OPEN LID	\$ 768.00	\$ 6,144.00
223	2	EACH	MANHOLES, ELLIPTICAL PRECAST "T" (60"x38" ELLIPTICAL) WITH TYPE 1 FRAME, CLOSED LID	\$ 1,750.00	\$ 3,500.00
224	1	L SUM	CONSTRUCTION LAYOUT STAKES AND SURVEY CONTROL POINTS	\$ 33,050.00	\$ 33,050.00
TOTAL					\$ 6,302,318.17



CERTIFICATE OF LIABILITY INSURANCE

DATE (MMDD/YYYY)
3/2/2012

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER DS&P Insurance Services Inc 1530 E Dundee Rd 2nd Floor Palatine IL 60074	CONTACT NAME: Robert B Schutz PHONE (A/C, No, Ext): (847) 934-6100 E-MAIL ADDRESS: PRODUCER CUSTOMER ID #:	FAX (A/C, No): (847) 934-6186
	INSURER(S) AFFORDING COVERAGE	
INSURED Gallagher Asphalt Corp., etal 18100 S. Indiana Avenue Thornton IL 60476	INSURER A: Illinois National Insurance Comp NAIC # 23817	
	INSURER B: Westfield Insurance Company NAIC # 24112	
	INSURER C: Starr Indemnity & Liability Comp NAIC # 38318	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** Cert ID 8904 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY			4376586	5/1/2011	5/1/2012	EACH OCCURRENCE \$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> XCU Included <input checked="" type="checkbox"/> Contractual Liab GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC						DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY			8263285	5/1/2011	5/1/2012	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS						BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$ \$
C	UMBRELLA LIAB			SISCCCL01395311	5/1/2011	5/1/2012	EACH OCCURRENCE \$ 10,000,000
	<input checked="" type="checkbox"/> EXCESS LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> DEDUCTIBLE <input type="checkbox"/> RETENTION \$						AGGREGATE \$ 10,000,000 \$ \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			014770546	5/1/2011	5/1/2012	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y/N <input checked="" type="checkbox"/> N N/A						E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B	Leased/Rented Equip			CMM4792257	5/1/2011	5/1/2012	\$2,000,000 Aggregate \$5,000 Ded./ Special Form

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
 The coverage and limits conform to the minimum required by Article 107.27 of the Standard Specifications for Road and Bridge construction. RE: JOB #GE12801/COOK COUNTY- WENTWORTH AVE. FRM GLENWOOD LANSING ROAD TO RIDGE RD., SECTION 95-W6606-0-FP, COOK COUNTY, IL
 THE FOLLOWING ARE ADDED AS ADDITIONAL INSURED WITH RESPECT TO GENERAL LIABILITY - 50' EXCLUSION REMOVED FROM POLICY.

CERTIFICATE HOLDER GRAND TRUNK WESTERN RAILROAD INCORPORATED AND ITS PARENTS 17641 SOUTH ASHLAND AVE HOMEWOOD IL 60430	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
--	--

DESCRIPTION OF OPERATIONS SECTION CONTINUED

DATE
3/2/2012

CERTIFICATE HOLDER:

GRAND TRUNK WESTERN RAILROAD
INCORPORATED AND ITS PARENTS
17641 SOUTH ASHLAND AVE

HOMWOOD IL 60430

INSURED:

Gallagher Asphalt Corp., etal

18100 S. Indiana Avenue
Thornton IL 60476

DESCRIPTION OF OPERATIONS CONTINUED:

GRAND TRUNK WESTERN RAILROAD INCORPORATED AND ITS PARENTS

ENDORSEMENT

This endorsement, effective 12:01 A.M. 05/01/2011 forms a part of

policy No. GL 4376586

Issued to GALLAGHER ASPHALT CORPORATION
CHICAGO TESTING LABORATORY, INC. ; SHEPLEY MOTOR EXPRESS, INC.
GALLAGHER MATERIALS CORP. ;
LOGISTICS CONCRETE, LLC

by AMERICAN INTERNATIONAL SOUTH INSURANCE COMPANY

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED- OWNERS, LESSEES, OR CONTRACTORS - COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE FORM

SCHEDULE

NAME OF ADDITIONAL INSURED PERSON OR ORGANIZATION:
AS REQUIRED BY WRITTEN CONTRACT

LOCATION AND DESCRIPTION OF COMPLETED OPERATIONS:

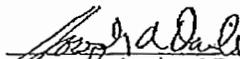
ADDITIONAL PREMIUM:

(If No entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to the endorsement.)

SECTION II - WHO IS AN INSURED is amended to include as an insured;

The person or organization shown in the Schedule, but only with respect to liability arising out of "your work" at the location designated and described in the schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

All other terms and conditions remain unchanged.


Authorized Representative or
Countersignature (In States Where
Applicable)

ENDORSEMENT

This endorsement, effective 12:01 A.M. 05-01-2010 forms a part of

policy No. GL 4376586 issued to GALLAGHER ASPHALT CORPORATION
CHICAGO TESTING LABORATORY, INC. ;SHEPLEY MOTOR EXPRESS, INC.
GALLAGHER MATERIALS CORP ; LOGISTICS CONCRETE
by AMERICAN INTERNATIONAL SOUTH INSURANCE COMPANY LLC

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED- OWNERS, LESSEES, OR CONTRACTORS -
SCHEDULED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE FORM

SCHEDULE

NAME OF PERSON OR ORGANIZATION:
AS REQUIRED BY WRITTEN CONTRACT

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to the endorsement.)

A. SECTION II -WHO IS AN INSURED is amended to include as an insured;

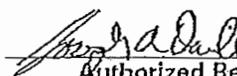
The person or organization shown in the schedule, but only with respect to liability arising out of your ongoing operations performed for that additional insured.

B. With respect to the insurance afforded to these additional insureds, SECTION I - COVERAGES, COVERAGE A - BODILY INJURY AND PROPERTY DAMAGE LIABILITY, 2. - Exclusions, is amended to include the following additional exclusion;

This insurance does not apply to "bodily injury" or "property damage" occurring after:

- (1) all work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the site of the covered operations has been completed; or,
- (2) that portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

All other terms and conditions remain unchanged.


Authorized Representative or
Countersignature (in States Where
Applicable)

I. STATE OR POLITICAL SUBDIVISION - PERMITS

Any State or Political Subdivision, subject to the following provisions:

1. This insurance applies only with respect to operations performed by you or on your behalf for which the state or political subdivision has issued a permit.
2. This insurance does not apply to:
 - a. "Bodily injury," "property damage" or "personal and advertising injury" arising out of operations performed for the state or municipality; or
 - b. "Bodily injury" or "property damage" included within the "products-completed operations hazard".

II. PRIMARY INSURANCE - ADDITIONAL INSURED

Where persons or organizations have been added to your policy as additional insureds to comply with insurance requirements of written contracts mandating primary coverage for such additional insureds relative to:

- a) the performance of your ongoing operations for the additional insureds; or
- b) "your work" performed for the additional insureds and included in the "products-completed operations hazard,"

then with respect to these additional insureds as defined above in this Section only, SECTION IV - COMMERCIAL GENERAL LIABILITY CONDITIONS, Paragraph 4. - Other Insurance, a. - Primary Insurance, is deleted in its entirety and replaced with the following:

This insurance is primary over any similar insurance available to any person or organization we have added to this policy as an additional insured to comply with insurance requirements of written contracts mandating primary coverage for such additional insureds relative to (a) the performance of your ongoing operations for the additional insureds, or (b) "your work" performed for the additional insureds and included in the "products-completed operations hazard. However, this insurance is primary over any other similar insurance only if the additional insured is designated as a named insured of the other similar insurance. We will not require contribution of limits from the other similar insurance if the insurance afforded is primary.

III. INCIDENTAL MEDICAL MALPRACTICE LIABILITY COVERAGE

SECTION II - WHO IS AN INSURED, 2. a. (1) (d) is deleted in its entirety and replaced with the following:

- (d) Arising out of his or her providing or failing to provide professional health care services, except for "bodily injury" arising out of "Incidental Medical Malpractice Injury" by any physician, dentist, nurse or other medical practitioner employed or retained by you unless such "bodily injury" is covered by another primary policy. However, the insurance provided hereunder to such persons will not apply to liability arising out of services performed outside of the scope of their duties as your "employees." Any series of continuous, repeated or related acts will be treated as the occurrence of a single negligent professional healthcare service, which will be assignable to the same policy and policy year in which the originating act occurred.

SECTION V - DEFINITIONS - is amended to add:

"Incidental Medical Malpractice Injury" means "Bodily Injury" arising out of the rendering of or failure to render the following services:

- a. You must see to it that we are notified as soon as practicable of any "occurrence" or an offense, which may result in a claim. Knowledge of an "occurrence" or an offense by your agent, your servant, or your employee will not in itself constitute knowledge to you unless the Director of Risk Management (or one with similar or equivalent title) or his/her designee will have received such notice. To the extent possible notice should include:

- (1) How, when and where the "occurrence" or offense took place;
- (2) The names and addresses of any injured persons and witnesses; and
- (3) The nature and location of any injury or damage arising out of the "occurrence" or offense.

IX. AMENDMENT OF EXPECTED OR INTENDED INJURY EXCLUSION

SECTION 1 - COVERAGES, COVERAGE A - BODILY INJURY AND PROPERTY DAMAGE LIABILITY, 2. - Exclusions, a. - Expected or Intended Injury, is deleted and replaced by the following:

- a. "Bodily injury" or "property damage" expected or intended from the standpoint of the insured. This exclusion does not apply to "bodily injury" or "property damage" resulting from the use of reasonable force to protect persons or property.

X. CONTRACTUAL LIABILITY - RAILROADS

Only with respect to (i) operations performed within 50 feet of railroad property and (ii) for which a Railroad Protective Liability Policy in the name of the railroad has been provided, then

A. SECTION V - DEFINITIONS, Paragraph 9, is deleted in its entirety and replaced with the following:

9. "Insured Contract" means:

- a. A contract for a lease of premises. However, that portion of the contract for a lease of premises that indemnifies any person or organization for damage by fire to premises while rented to you or temporarily occupied by you with permission of the owner is not an "insured contract";
- b. A sidetrack agreement;
- c. Any easement or license agreement;
- d. An obligation, as required by ordinance, to indemnify a municipality, except in connection with work for a municipality;
- e. An elevator maintenance agreement;
- f. That part of any other contract or agreement pertaining to your business (including an indemnification of a municipality in connection with work performed for a municipality) under which you assume the tort liability of another party to pay for "bodily injury" or "property damage" to a third person or organization. Tort liability means a liability that would be imposed by law in the absence of any contract or agreement.

Paragraph f. does not include that part of any contract or agreement:

- (1) That indemnifies an architect, engineer or surveyor for injury or damage arising out of:
 - (a) Preparing, approving or failing to prepare or approve maps, shop drawings, opinions, reports, surveys, field orders, change orders or drawings and specifications; or

(b) Giving directions or instructions, or failing to give them, if that is the primary cause of the injury or damage; or

(2) Under which the insured, if an architect, engineer or surveyor, assumes liability for an injury or damage arising out of the insured's rendering or failure to render professional services, including those listed in Paragraph (1) above and supervisory, inspection, architectural or engineering activities; and

B. SECTION IV - COMMERCIAL GENERAL LIABILITY CONDITIONS, 4. - Other Insurance, b. Excess Insurance, (1) (a), is amended to include the following:

(v) That is a Railroad Protective Insurance Policy or similar coverage.

XI. **COVERAGE FOR YOUR SUPERVISORY OR MANAGERIAL EMPLOYEES RELATING TO CO-EMPLOYEE INJURIES**

SECTION II - WHO IS AN INSURED, 2.a. (1), (a) and (b) are clarified to hold that:

Your supervisory or managerial "employees" are insureds for "bodily injury" to "co-employees" while in the course of their employment or performing duties related to the conduct of your business if claims or suits arise out of liability assumed by an insured under an "insured contract" as provided by SECTION I - COVERAGES, COVERAGE A BODILY INJURY AND PROPERTY DAMAGE LIABILITY, 2. Exclusions, e. Employer's Liability.

XII. **WAIVER OF TRANSFER OF RIGHTS OR RECOVERY AGAINST OTHERS TO US**

SECTION IV - COMMERCIAL GENERAL LIABILITY CONDITIONS, 8. - Transfer of Rights of Recovery Against Others To Us, is amended by the addition of the following:

We waive any right of recovery we may have against any person or organization pursuant to applicable written contract or agreement you enter into because of payments we make for injury or damage arising out of your ongoing operations or "your work" done under a contract with that person or organization and included in the "products-completed operations hazard".

XIII. **AMENDMENT OF OTHER INSURANCE**

A. SECTION IV - COMMERCIAL GENERAL LIABILITY CONDITIONS, 4.- Other Insurance, b. - Excess Insurance, (1), is amended to include the following:

This insurance shall not be excess where (i) such other insurance is specifically purchased to apply as excess of this policy, or (ii) where you are obligated by contract to provide primary insurance to an additional insured, unless there is other additional insurance coverage available to that additional insured.

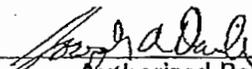
B. SECTION IV - COMMERCIAL GENERAL LIABILITY CONDITIONS, 4.- Other Insurance, b. - Excess Insurance, (2), is deleted in its entirety and replaced with the following:

When this insurance is excess, we will have no duty under Coverages A or B to defend any claim or "suit" that any other insurer has a duty to defend. If no other insurer defends, we will undertake to do so, but we will be entitled to the insured's rights against all those other insurers.

XIV. **AMENDMENT AGGREGATE LIMITS PER PROJECT**

A. For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under COVERAGE A (SECTION I), offense under COVERAGE B (SECTION 1) and for all medical expenses caused by accidents under COVERAGE C (SECTION I), which can be attributed only to ongoing operations at a single designated construction project:

1. A separate Per Construction Project General Aggregate Limit applies to each construction project, and that limit is equal to the amount of the General Aggregate Limit shown in the Declarations.
 2. The Per Construction Project General Aggregate Limit is the most we will pay for the sum of (i) all damages under COVERAGE A, except damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard", (ii) all damages under COVERAGE B and (iii) all medical expenses under COVERAGE C regardless of the number of:
 - a. Insureds;
 - b. Claims made or "suits" brought; or
 - c. Persons or organizations making claims or bringing "suits".
 3. Any payments made under COVERAGE A or B for damages or under COVERAGE C for medical expenses shall reduce the Per Construction Project General Aggregate Limit for that construction project. Such payments shall not reduce the General Aggregate Limit shown in the Declarations nor shall they reduce any other Per Construction Project General Aggregate Limit for any other construction project covered under this policy.
 4. The limits shown in the Declarations for Each Occurrence, Fire Damage and Medical Expense continue to apply. However, instead of being subject to the General Aggregate Limit shown in the Declarations, such limits will be subject to the applicable Per Construction Project General Aggregate Limit.
- B. For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under COVERAGE A (SECTION I), offenses under COVERAGE B (SECTION 1) and for all medical expenses caused by accidents under COVERAGE C (SECTION I), which cannot be attributed only to ongoing operations at a single construction project:
1. Any payments made under COVERAGE A or B for damages or under COVERAGE C for medical expenses shall reduce the amount available under the General Aggregate Limit or the Products-Completed Operations Aggregate Limit, whichever is applicable; and
 2. Such payments shall not reduce any Construction Project General Aggregate Limit.
- C. When coverage for liability arising out of the "products-completed operations hazard" is provided, any payments for damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard" will reduce the Products-Completed Operations Aggregate Limit, and not reduce the General Aggregate Limit nor the Construction Project General Aggregate Limit.
- D. If the applicable construction project has been abandoned, delayed, or abandoned and then restarted, or if the authorized contracting parties deviate from plans, blueprints, designs, specifications or timetables, the project will still be deemed to be the same construction project.
- E. The provisions of Limits of Insurance (SECTION III) not otherwise modified by this endorsement shall continue to apply as stipulated.


Authorized Representative or
Countersignature (in States Where
Applicable)



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
3/2/2012

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

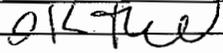
PRODUCER DS&P Insurance Services Inc 1530 E Dundee Rd 2nd Floor Palatine IL 60074	CONTACT NAME: Robert B Schutz
	PHONE (A/C, No, Ext): (847) 934-6100 FAX (A/C, No): (847) 934-6186 E-MAIL ADDRESS: PRODUCER CUSTOMER ID #:
INSURED Gallagher Asphalt Corp., etal 18100 S. Indiana Avenue Thornton IL 60476	INSURER(S) AFFORDING COVERAGE
	INSURER A: Illinois National Insurance Comp NAIC # 23817
	INSURER B: Westfield Insurance Company NAIC # 24112
	INSURER C: Starr Indemnity & Liability Comp NAIC # 38318
	INSURER D:
	INSURER E:
INSURER F:	

COVERAGES **CERTIFICATE NUMBER:** Cert ID 8904 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	GENERAL LIABILITY		4376586	5/1/2011	5/1/2012	EACH OCCURRENCE \$ 1,000,000	
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY					DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000	
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR					MED EXP (Any one person) \$ 10,000	
	<input checked="" type="checkbox"/> XCU Included					PERSONAL & ADV INJURY \$ 1,000,000	
	<input checked="" type="checkbox"/> Contractual Liab					GENERAL AGGREGATE \$ 2,000,000	
	GEN'L AGGREGATE LIMIT APPLIES PER:					PRODUCTS - COMP/OP AGG \$ 2,000,000	
	<input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC					\$	
A	AUTOMOBILE LIABILITY		8263285	5/1/2011	5/1/2012	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000	
	<input checked="" type="checkbox"/> ANY AUTO					BODILY INJURY (Per person) \$	
	<input type="checkbox"/> ALL OWNED AUTOS					BODILY INJURY (Per accident) \$	
	<input type="checkbox"/> SCHEDULED AUTOS					PROPERTY DAMAGE (Per accident) \$	
	<input checked="" type="checkbox"/> HIRED AUTOS					\$	
<input checked="" type="checkbox"/> NON-OWNED AUTOS		\$					
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR		SISCCCL01395311	5/1/2011	5/1/2012	EACH OCCURRENCE \$ 10,000,000	
	<input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE					AGGREGATE \$ 10,000,000	
	<input type="checkbox"/> DEDUCTIBLE					\$	
	<input type="checkbox"/> RETENTION \$					\$	
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY		014770546	5/1/2011	5/1/2012	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER	
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)	<input type="checkbox"/> Y/N <input checked="" type="checkbox"/> N				N/A	E.L EACH ACCIDENT \$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L DISEASE - EA EMPLOYEE \$ 1,000,000
							E.L DISEASE - POLICY LIMIT \$ 1,000,000
B	Leased/Rented Equip		CMM4792257	5/1/2011	5/1/2012	\$2,000,000 Aggregate \$5,000 Ded./ Special Form	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
 The coverage and limits conform to the minimum required by Article 107.27 of the Standard Specifications for Road and Bridge construction. Re: Wentworth Ave -Glenwood Lansing Rd to Ridge, Section 95-W6606-0-FP, Cook County, IL-Ashphalt Paving-Job # GE12801
 Additional Insureds with respect to General Liability if required by written contract: Cook County Highway Department

CERTIFICATE HOLDER 	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
Cook County Department of Highways Contract Documents Office Room 2200 George W Dunn Cook Co Office Building - 69 W Washington St Chicago IL 60602	

ACORD™ INSURANCE BINDER

DATE
3/2/2012

THIS BINDER IS A TEMPORARY INSURANCE CONTRACT, SUBJECT TO THE CONDITIONS SHOWN ON THE REVERSE SIDE OF THIS FORM.

PRODUCER	PHONE (A/C.No,Ext): (847) 934-6100	COMPANY	BINDER #																																								
	FAX (A/C.No): (847) 934-6186	Travelers Indemnity Company	10437																																								
DS&P Insurance Services, Inc. 1530 E Dundee Rd. 2nd Floor Palatine IL 60074 www.dspins.com		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">EFFECTIVE</th> <th colspan="2">TIME</th> <th colspan="2">EXPIRATION</th> <th colspan="2">TIME</th> </tr> <tr> <td>DATE</td> <td></td> <td></td> <td></td> <td>DATE</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3/1/2012</td> <td></td> <td>12:01</td> <td></td> <td>3/1/2013</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>X AM</td> <td></td> <td></td> <td>X</td> <td>12:01 AM</td> </tr> <tr> <td></td> <td></td> <td></td> <td>PM</td> <td></td> <td></td> <td></td> <td>NOON</td> </tr> </table>	EFFECTIVE		TIME		EXPIRATION		TIME		DATE				DATE				3/1/2012		12:01		3/1/2013							X AM			X	12:01 AM				PM				NOON	
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CODE:	SUB CODE:	THIS BINDER IS ISSUED TO EXTEND COVERAGE IN THE ABOVE NAMED COMPANY PER EXPIRING POLICY #:																																									
AGENCY CUSTOMER ID: 21517	DESCRIPTION OF OPERATIONS/VEHICLES/PROPERTY (Including Location)																																										
INSURED Grand Trunk Western Railroad Co., Inc. and Its Parents 17641 South Ashland Ave. Homewood IL 60430	Cook County Highway Dept-section 95-W6606-0-FP Wentworth Ave frm Glenwood Lansing Rd. to Ridge, Cook County, IL.																																										

COVERAGES

LIMITS

TYPE OF INSURANCE	COVERAGE/FORMS	DEDUCTIBLE	COINS %	AMOUNT
PROPERTY CAUSES OF LOSS <input type="checkbox"/> BASIC <input type="checkbox"/> BROAD <input type="checkbox"/> SPEC				
GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR	Railroad Protective Liability RETRO DATE FOR CLAIMS MADE:			EACH OCCURRENCE \$ 5,000,000 DAMAGE TO RENTED PREMISES \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ 10,000,000 PRODUCTS - COMP/OP AGG \$
AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS				COMBINED SINGLE LIMIT \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE \$ MEDICAL PAYMENTS \$ PERSONAL INJURY PROT \$ UNINSURED MOTORIST \$
AUTO PHYSICAL DAMAGE DEDUCTIBLE <input type="checkbox"/> COLLISION: _____ <input type="checkbox"/> OTHER THAN COL: _____	<input type="checkbox"/> ALL VEHICLES <input type="checkbox"/> SCHEDULED VEHICLES			ACTUAL CASH VALUE \$ STATED AMOUNT \$ OTHER \$
GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN AUTO ONLY: EACH ACCIDENT \$ AGGREGATE \$
EXCESS LIABILITY <input type="checkbox"/> UMBRELLA FORM <input type="checkbox"/> OTHER THAN UMBRELLA FORM	RETRO DATE FOR CLAIMS MADE:			EACH OCCURRENCE \$ AGGREGATE \$ SELF-INSURED RETENTION \$
WORKER'S COMPENSATION AND EMPLOYER'S LIABILITY				WC STATUTORY LIMITS E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
SPECIAL CONDITIONS/ OTHER COVERAGES Cook County Highway Dept-section 95-W6606-0-FP Wentworth Ave frm Glenwood Lansing Rd. to Ridge, Cook County, IL. Contractor: Gallagher Asphalt Corp, etal - Job #GE12801				FEES \$ TAXES \$ ESTIMATED TOTAL PREMIUM \$

NAME & ADDRESS

MORTGAGEE LOSS PAYEE LOAN # AUTHORIZED REPRESENTATIVE 	ADDITIONAL INSURED
--	--------------------

CONDITIONS

This Company binds the kind(s) of insurance stipulated on the reverse side. The Insurance is subject to the terms, conditions and limitations of the policy(ies) in current use by the Company.

This binder may be cancelled by the Insured by surrender of this binder or by written notice to the Company stating when cancellation will be effective. This binder may be cancelled by the Company by notice to the Insured in accordance with the policy conditions. This binder is cancelled when replaced by a policy. If this binder is not replaced by a policy, the Company is entitled to charge a premium for the binder according to the Rules and Rates in use by the Company.

Applicable in California

When this form is used to provide insurance in the amount of one million dollars (\$1,000,000) or more, the title of the form is changed from "Insurance Binder" to "Cover Note".

Applicable in Delaware

The mortgagee or Obligee of any mortgage or other instrument given for the purpose of creating a lien on real property shall accept as evidence of insurance a written binder issued by an authorized insurer or its agent if the binder includes or is accompanied by: the name and address of the borrower; the name and address of the lender as loss payee; a description of the insured real property; a provision that the binder may not be canceled within the term of the binder unless the lender and the insured borrower receive written notice of the cancellation at least ten (10) days prior to the cancellation; except in the case of a renewal of a policy subsequent to the closing of the loan, a paid receipt of the full amount of the applicable premium, and the amount of insurance coverage.

Chapter 21 Title 25 Paragraph 2119

Applicable in Florida

Except for Auto Insurance coverage, no notice of cancellation or nonrenewal of a binder is required unless the duration of the binder exceeds 60 days. For auto insurance, the insurer must give 5 days prior notice, unless the binder is replaced by a policy or another binder in the same company.

Applicable in Nevada

Any person who refuses to accept a binder which provides coverage of less than \$1,000,000.00 when proof is required: (A) Shall be fined not more than \$500.00, and (B) is liable to the party presenting the binder as proof of insurance for actual damages sustained therefrom.

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Mid-Continent Group[®]

MID-CONTINENT CASUALTY COMPANY MID-CONTINENT INSURANCE OKLAHOMA SURETY
P.O. BOX 1409 TULSA, OKLAHOMA 74101-1409 918-587-7221 1-800-722-4994 FAX: 918-588-1295



MID-CONTINENT CASUALTY COMPANY

P. O. Box 1409 Tulsa, Oklahoma 74101
COMMERCIAL GENERAL LIABILITY POLICY
DECLARATION

Policy No. 04-OCP-000004740

Named Insured and Mailing Address COOK COUNTY-HIGHWAY DEPARTMENT 69 W WASHINGTON 23RD FL CONTRACT DOC OFFICE - RM 2200 CHICAGO IL 60602	Agent Name and Mailing Address 123OCP.COM 555 CROTON ROAD, SUITE 206 KING OF PRUSSIA PA 19406 37-5502
--	--

POLICY PERIOD: FROM 03/01/2012 TO 03/01/2013 at 12:01 A.M. Standard Time at your mailing address shown above

THE NAMED INSURED IS MUNICIPALITY

BUSINESS DESCRIPTION: _____

IN RETURN FOR THE PAYMENT OF THE PREMIUM, AND SUBJECT TO ALL THE TERMS OF THIS POLICY, WE AGREE WITH YOU TO PROVIDE THE INSURANCE AS STATED IN THIS POLICY.

THIS POLICY CONSISTS OF THE FOLLOWING COVERAGE PARTS FOR WHICH A PREMIUM IS INDICATED. THIS PREMIUM MAY BE SUBJECT TO ADJUSTMENT.

	PREMIUM
COMMERCIAL GENERAL LIABILITY COVERAGE PART	\$ _____
OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART	\$ <u>5,688.00</u>
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART	\$ _____
RAILROAD PROTECTIVE LIABILITY COVERAGE PART	\$ _____
SURCHARGE / TAXES (if applicable)	\$ _____
TOTAL	\$ <u>5,688.00</u>

REPORTING BASIS: NONE

Form(s) and Endorsement(s) made a part of this policy at this time*:
 ML1439(11/04) ML1344(11/04) ML1217(02/10) MI9071(11/08) MI9046(06/10) IL0162(09/08)
 IL0147(09/11) IL0021(09/08) CG3370(03/05) CG2905(07/05) CG0009(12/07)

OK TLO

*Omits applicable Forms and Endorsements if shown in specific Coverage Part/Coverage Form Declarations.

Countersigned at: KING OF PRUSSIA PA
Date: 03/05/2012

By *Stanley T. Szymanski*
Authorized Representative



**OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
DECLARATION**

Policy No. 04-OCP-000004740

Effective Date: 03/01/2012 **
12:01 A.M., Standard Time

DESIGNATION OF CONTRACTOR					
Designation of Contractor and Mailing Address GALLAGHER ASPHALT CORP 18100 S INDIANA AVE THORNTON, IL 60476					
LOCATION OF COVERED OPERATIONS					
ASPHALT PAVING OF ROADWAY WENTWORTH AVE – GLENWOOD TO RIDGE RD. , COOK COUNTY, IL CONTRACT #: JOB #GE12801 (SECTION 95-W6606-0-FP)					
LIMITS OF INSURANCE					
Aggregate Limit				\$	4,000,000
Each Occurrence Limit				\$	2,000,000
BUSINESS DESCRIPTION					
Form of Business: MUNICIPALITY					
Business Description*:					
PREMIUM					
Classification	Code No.	Premium Basis	Rate Per \$1,000 of Cost	Advance Premium	
ILLINOIS					
Construction Operations – Owner (Not Railroads) – Excluding Operations On Board Ships	16292	C)	6,000,000	.948	5,688.
Minimum Premium					
All Other	\$259				
Policywriting	\$500	Total Advance Premium			\$ 5,688.
FORMS AND ENDORSEMENTS (other than applicable Forms and Endorsements shown elsewhere in the policy)					
Forms and Endorsements applying to the Coverage Part and made part of this policy at time of issue:					

*Information omitted if shown elsewhere in the policy.

**Inclusion of date optional.

These declarations are part of the policy declarations containing the name of the insured and the policy period.

OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE FORM – COVERAGE FOR OPERATIONS OF DESIGNATED CONTRACTOR

Various provisions of this policy restrict coverage. Read the entire policy carefully to determine rights, duties and what is and is not covered.

Throughout this policy the words "you" and "your" refer to the Named Insured shown in the Declarations. The words "we", "us" and "our" refer to the Company providing this insurance.

The word "insured" means any person or organization qualifying as such under Section II – Who Is An Insured.

Other words and phrases that appear in quotation marks have special meaning. Refer to Section V – Definitions.

SECTION I – COVERAGES

BODILY INJURY AND PROPERTY DAMAGE LIABILITY

1. Insuring Agreement

a. We will pay those sums that the insured becomes legally obligated to pay as damages because of "bodily injury" or "property damage" to which this insurance applies. We will have the right and duty to defend the insured against any "suit" seeking those damages. However, we will have no duty to defend the insured against any "suit" seeking damages for "bodily injury" or "property damage" to which this insurance does not apply. We may, at our discretion, investigate any "occurrence" and settle any claim or "suit" that may result. But:

- (1) The amount we will pay for damages is limited as described in Section III – Limits Of Insurance; and
- (2) Our right and duty to defend ends when we have used up the applicable limit of insurance in the payment of judgments or settlements.

No other obligation or liability to pay sums or perform acts or services is covered unless explicitly provided for under Supplementary Payments.

b. This insurance applies to "bodily injury" and "property damage" only if:

- (1) The "bodily injury" or "property damage" is caused by an "occurrence" and arises out of:

(a) Operations performed for you by the "contractor" at the location specified in the Declarations; or

(b) Your acts or omissions in connection with the general supervision of such operations;

(2) The "bodily injury" or "property damage" occurs during the policy period; and

(3) Prior to the policy period, no insured listed under Paragraph 1. of Section II – Who Is An Insured and no "employee" authorized by you to give or receive notice of an "occurrence" or claim, knew that the "bodily injury" or "property damage" had occurred, in whole or in part. If such a listed insured or authorized "employee" knew, prior to the policy period, that the "bodily injury" or "property damage" occurred, then any continuation, change or resumption of such "bodily injury" or "property damage" during or after the policy period will be deemed to have been known prior to the policy period.

c. "Bodily injury" or "property damage" which occurs during the policy period and was not, prior to the policy period, known to have occurred by any insured listed under Paragraph 1. of Section II – Who Is An Insured or any "employee" authorized by you to give or receive notice of an "occurrence" or claim, includes any continuation, change or resumption of that "bodily injury" or "property damage" after the end of the policy period.

d. "Bodily injury" or "property damage" will be deemed to have been known to have occurred at the earliest time when any insured listed under Paragraph 1. of Section II – Who Is An Insured or any "employee" authorized by you to give or receive notice of an "occurrence" or claim:

- (1) Reports all, or any part, of the "bodily injury" or "property damage" to us or any other insurer;
- (2) Receives a written or verbal demand or claim for damages because of the "bodily injury" or "property damage"; or
- (3) Becomes aware by any other means that "bodily injury" or "property damage" has occurred or has begun to occur.

- e. Damages because of "bodily injury" include damages claimed by any person or organization for care, loss of services or death resulting at any time from the "bodily injury".

2. Exclusions

This insurance does not apply to:

a. Expected Or Intended Injury

"Bodily injury" or "property damage" expected or intended from the standpoint of the insured. This exclusion does not apply to "bodily injury" resulting from the use of reasonable force to protect persons or property.

b. Contractual Liability

"Bodily injury" or "property damage" for which the insured is obligated to pay damages by reason of the assumption of liability in a contract or agreement. This exclusion does not apply to liability for damages:

- (1) That the insured would have in the absence of the contract or agreement; or
- (2) Assumed in a contract or agreement that is an "insured contract", provided the "bodily injury" or "property damage" occurs subsequent to the execution of the contract or agreement. Solely for the purposes of liability assumed in an "insured contract", reasonable attorney fees and necessary litigation expenses incurred by or for a party other than an insured are deemed to be damages because of "bodily injury" or "property damage", provided:
 - (a) Liability to such party for, or for the cost of, that party's defense has also been assumed in the same "insured contract"; and
 - (b) Such attorney fees and litigation expenses are for defense of that party against a civil or alternative dispute resolution proceeding in which damages to which this insurance applies are alleged.

c. Work Completed Or Put To Intended Use

"Bodily injury" or "property damage" which occurs after the earlier of the following times:

- (1) When all "work" on the project (other than service, maintenance or repairs) to be performed for you by the "contractor" at the site of the covered operations has been completed; or

- (2) When that portion of the "contractor's" "work", out of which the injury or damage arises, has been put to its intended use by any person or organization, other than another contractor or subcontractor working directly or indirectly for the "contractor" or as part of the same project.

d. Acts Or Omissions By You And Your Employees

"Bodily injury" or "property damage" arising out of your, or your "employees", acts or omissions other than general supervision of "work" performed for you by the "contractor".

e. Workers' Compensation And Similar Laws

Any obligation of the insured under a workers' compensation, disability benefits or unemployment compensation law or any similar law.

f. Employer's Liability

"Bodily injury" to:

- (1) An "employee" of the insured arising out of and in the course of:
 - (a) Employment by the insured; or
 - (b) Performing duties related to the conduct of the insured's business; or
- (2) The spouse, child, parent, brother or sister of that "employee" as a consequence of Paragraph (1) above.

This exclusion applies whether the insured may be liable as an employer or in any other capacity and to any obligation to share damages with or repay someone else who must pay damages because of the injury.

This exclusion does not apply to liability assumed by the insured under an "insured contract".

g. Damage To Property

"Property damage" to:

- (1) Property you own, rent, or occupy, including any costs or expenses incurred by you, or any other person, organization or entity, for repair, replacement, enhancement, restoration or maintenance of such property for any reason, including prevention of injury to a person or damage to another's property;
- (2) Property loaned to you;
- (3) Personal property in the care, custody or control of the insured; or
- (4) "Work" performed for you by the "contractor".

h. War

"Bodily injury" or "property damage", however caused, arising, directly or indirectly, out of:

- (1) War, including undeclared or civil war;

- (2) Warlike action by a military force, including action in hindering or defending against an actual or expected attack, by any government, sovereign or other authority using military personnel or other agents; or
- (3) Insurrection, rebellion, revolution, usurped power, or action taken by governmental authority in hindering or defending against any of these.

i. Mobile Equipment

"Bodily injury" or "property damage" arising out of the use of "mobile equipment" in, or while in practice for, or while being prepared for, any prearranged racing, speed, demolition, or stunting activity.

j. Pollution

- (1) "Bodily injury" or "property damage" arising out of the actual, alleged or threatened discharge, dispersal, seepage, migration, release or escape of "pollutants":

- (a) At or from any premises, site or location which is or was at any time owned or occupied by, or rented or loaned to, any insured. However, this subparagraph does not apply to:

- (i) "Bodily injury" if sustained within a building and caused by smoke, fumes, vapor or soot produced by or originating from equipment that is used to heat, cool or dehumidify the building, or equipment that is used to heat water for personal use, by the building's occupants or their guests;

- (ii) "Bodily injury" or "property damage" arising out of heat, smoke or fumes from a "hostile fire";

- (b) At or from any premises, site or location which is or was at any time used by or for any insured or others for the handling, storage, disposal, processing or treatment of waste;

- (c) Which are or were at any time transported, handled, stored, treated, disposed of, or processed as waste by or for:

- (i) Any insured; or

- (ii) Any person or organization for whom you may be legally responsible; or

- (d) At or from any premises, site or location on which any insured or any contractors or subcontractors working directly or indirectly on any insured's behalf are performing operations if the "pollutants" are brought on or to the premises, site or location in connection with such operations by such insured, contractor or subcontractor. However, this subparagraph does not apply to:

- (i) "Bodily injury" or "property damage" arising out of the escape of fuels, lubricants or other operating fluids which are needed to perform the normal electrical, hydraulic or mechanical functions necessary for the operation of "mobile equipment" or its parts, if such fuels, lubricants or other operating fluids escape from a vehicle part designed to hold, store or receive them. This exception does not apply if the "bodily injury" or "property damage" arises out of the intentional discharge, dispersal or release of the fuels, lubricants or other operating fluids, or if such fuels, lubricants or other operating fluids are brought on or to the premises, site or location with the intent that they be discharged, dispersed or released as part of the operations being performed by such insured, contractor or subcontractor;

- (ii) "Bodily injury" or "property damage" sustained within a building and caused by the release of gases, fumes or vapors from materials brought into that building in connection with operations being performed by or on behalf of any insured; or

- (iii) "Bodily injury" or "property damage" arising out of heat, smoke or fumes from a "hostile fire".

- (e) At or from any premises, site or location on which any insured or any contractors or subcontractors working directly or indirectly on any insured's behalf are performing operations if the operations are to test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of "pollutants".

- (2) Any loss, cost or expense arising out of any:

- (a) Request, demand, order or statutory or regulatory requirement that any insured or others test for, monitor, clean up, remove, contain, treat, detoxify or neutralize, or in any way respond to, or assess the effects of "pollutants"; or
- (b) Claim or suit by or on behalf of a governmental authority for damages because of testing for, monitoring, cleaning up, removing, containing, treating, detoxifying or neutralizing, or in any way responding to, or assessing the effects of "pollutants".

However, this paragraph does not apply to liability for damages because of "property damage" that the insured would have in the absence of such request, demand, order or statutory or regulatory requirement, or such claim or "suit" by or on behalf of a governmental authority.

k. Damage To Impaired Property Or Property Not Physically Injured

"Property damage" to "impaired property" or property that has not been physically injured, arising out of:

- (1) A defect, deficiency, inadequacy or dangerous condition in "work" performed for you by the "contractor"; or
- (2) A delay or failure by you or anyone acting on your behalf to perform a contract or agreement in accordance with its terms.

This exclusion does not apply to the loss of use of other property arising out of sudden and accidental physical injury to "work" performed for you by the "contractor".

l. Electronic Data

Damages arising out of the loss of, loss of use of, damage to, corruption of, inability to access, or inability to manipulate electronic data.

As used in this exclusion, electronic data means information, facts or programs stored as or on, created or used on, or transmitted to or from computer software, including systems and applications software, hard or floppy disks, CD-ROMS, tapes, drives, cells, data processing devices or any other media which are used with electronically controlled equipment.

SUPPLEMENTARY PAYMENTS

- 1. We will pay, with respect to any claim we investigate or settle, or any "suit" against an insured we defend:
 - a. All expenses we incur.

- b. Up to \$250 for cost of bail bonds required because of accidents or traffic law violations arising out of the use of any vehicle to which this insurance applies. We do not have to furnish these bonds.
- c. The cost of bonds to release attachments, but only for bond amounts within the applicable limit of insurance. We do not have to furnish these bonds.
- d. All reasonable expenses incurred by the insured at our request to assist us in the investigation or defense of the claim or "suit", including actual loss of earnings up to \$250 a day because of time off from work.
- e. All court costs taxed against the insured in the "suit". However, these payments do not include attorneys' fees or attorneys' expenses taxed against the insured.
- f. Prejudgment interest awarded against the insured on that part of the judgment we pay. If we make an offer to pay the applicable limit of insurance, we will not pay any prejudgment interest based on that period of time after the offer.
- g. All interest on the full amount of any judgment that accrues after entry of the judgment and before we have paid, offered to pay, or deposited in court the part of the judgment that is within the applicable limit of insurance.
- h. Expenses incurred by the insured for first aid administered to others at the time of an accident, for "bodily injury" to which this insurance applies.

These payments will not reduce the limits of insurance.

- 2. If we defend an insured against a "suit" and an indemnitee of the insured is also named as a party to the "suit", we will defend that indemnitee if all of the following conditions are met:
 - a. The "suit" against the indemnitee seeks damages for which the insured has assumed the liability of the indemnitee in a contract or agreement that is an "insured contract";
 - b. This insurance applies to such liability assumed by the insured;
 - c. The obligation to defend, or the cost of the defense of, that indemnitee, has also been assumed by the insured in the same "insured contract";
 - d. The allegations in the "suit" and the information we know about the "occurrence" are such that no conflict appears to exist between the interests of the insured and the interests of the indemnitee;

e. The indemnitee and the insured ask us to conduct and control the defense of that indemnitee against such "suit" and agree that we can assign the same counsel to defend the insured and the indemnitee; and

f. The indemnitee:

(1) Agrees in writing to:

(a) Cooperate with us in the investigation, settlement or defense of the "suit";

(b) Immediately send us copies of any demands, notices, summonses or legal papers received in connection with the "suit";

(c) Notify any other insurer whose coverage is available to the indemnitee; and

(d) Cooperate with us with respect to coordinating other applicable insurance available to the indemnitee; and

(2) Provides us with written authorization to:

(a) Obtain records and other information related to the "suit"; and

(b) Conduct and control the defense of the indemnitee in such "suit".

So long as the above conditions are met, attorneys fees incurred by us in the defense of that indemnitee, necessary litigation expenses incurred by us and necessary litigation expenses incurred by the indemnitee at our request will be paid as Supplementary Payments. Notwithstanding the provisions of Paragraph 2.b.(2) of Section I – Coverages – Bodily Injury And Property Damage Liability, such payments will not be deemed to be damages for "bodily injury" and "property damage" and will not reduce the limits of insurance.

Our obligation to defend an insured's indemnitee and to pay for attorneys fees and necessary litigation expenses as Supplementary Payments ends when we have used up the applicable limit of insurance in the payment of judgments or settlements or the conditions set forth above, or the terms of the agreement described in Paragraph f. above, are no longer met.

SECTION II – WHO IS AN INSURED

1. If you are designated in the Declarations as:

a. An individual, you and your spouse are insureds.

b. A partnership or joint venture, you are an insured. Your members, your partners, and their spouses are also insureds, but only with respect to their duties as partners or members of a joint venture.

c. A limited liability company, you are an insured. Your members are also insureds, but only with respect to their duties as members of a limited liability company. Your managers are insureds, but only with respect to their duties as your managers.

d. An organization other than a partnership, joint venture or limited liability company, you are an insured. Your "executive officers" and directors are insureds, but only with respect to their duties as your officers or directors. Your stockholders are also insureds, but only with respect to their liability as stockholders.

2. Each of the following is also an insured:

a. Any person (other than your "employee") or any organization while acting as your real estate manager.

b. Any person or organization having proper temporary custody of your property if you die, but only:

(1) With respect to liability arising out of the maintenance or use of that property; and

(2) Until your legal representative has been appointed.

c. Your legal representative if you die, but only with respect to duties as such. That representative will have all your rights and duties under this Coverage Part.

No person or organization is an insured with respect to the conduct of any current or past partnership, joint venture or limited liability company that is not shown as a Named Insured in the Declarations.

SECTION III – LIMITS OF INSURANCE

1. The Limits of Insurance shown in the Declarations and the rules below fix the most we will pay regardless of the number of:

a. Insureds;

b. Claims made or "suits" brought; or

c. Persons or organizations making claims or bringing "suits".

2. The Aggregate Limit is the most we will pay for the sum of damages because of all "bodily injury" and "property damage".

3. Subject to Paragraph 2. above, the Each Occurrence Limit is the most we will pay for the sum of damages because of all "bodily injury" and "property damage" arising out of any one "occurrence".

If you designate more than one project in the Declarations, the Aggregate Limit shall apply separately to each project.

The Limits of Insurance of this Coverage Part apply separately to each consecutive annual period and to any remaining period of less than 12 months, starting with the beginning of the policy period shown in the Declarations, unless the policy period is extended after issuance for an additional period of less than 12 months. In that case, the additional period will be deemed part of the last preceding period for purposes of determining the Limits of Insurance.

SECTION IV – CONDITIONS

1. Bankruptcy

Bankruptcy or insolvency of the insured or of the insured's estate will not relieve us of our obligations under this Coverage Part.

2. Cancellation

a. The first Named Insured shown in the Declarations may cancel this policy by mailing or delivering to us advance written notice of cancellation.

b. We may cancel this policy by mailing or delivering to the first Named Insured and the "contractor" written notice of cancellation at least:

(1) 10 days before the effective date of cancellation if we cancel for non-payment of premium; or

(2) 30 days before the effective date of cancellation if we cancel for any other reason.

c. We will mail or deliver our notices to the first Named Insured's and the "contractor's" last mailing address known to us.

d. Notice of cancellation will state the effective date of cancellation. The policy period will end on that date.

e. If this policy is cancelled, we will send the "contractor" any premium refund due. If we cancel, the refund will be pro rata. If the first Named Insured cancels, the refund may be less than pro rata. The cancellation will be effective even if we have not made or offered a refund.

f. If notice is mailed, proof of mailing will be sufficient proof of notice.

3. Changes

This policy contains all the agreements between you, the "contractor" and us concerning the insurance afforded. The first Named Insured shown in the Declarations and the "contractor" are authorized to make changes in the terms of this policy with our consent. This policy's terms can be amended or waived only by endorsement issued by us and made a part of this policy.

4. Duties In The Event Of Occurrence, Claim Or Suit

a. You must see to it that we are notified as soon as practicable of an "occurrence" which may result in a claim. To the extent possible, notice should include:

(1) How, when and where the "occurrence" took place;

(2) The names and addresses of any injured persons and witnesses; and

(3) The nature and location of any injury or damage arising out of the "occurrence".

b. If a claim is made or "suit" is brought against any insured, you must:

(1) Immediately record the specifics of the claim or "suit" and the date received; and

(2) Notify us as soon as practicable.

You must see to it that we receive written notice of the claim or "suit" as soon as practicable.

c. You and any other involved insured must:

(1) Immediately send us copies of any demands, notices, summonses or legal papers received in connection with the claim or "suit";

(2) Authorize us to obtain records and other information;

(3) Cooperate with us in the investigation or settlement of the claim or defense against the "suit"; and

(4) Assist us, upon our request, in the enforcement of any right against any person or organization which may be liable to the insured because of injury or damage to which this insurance may also apply.

d. No insured will, except at that insured's own cost, voluntarily make a payment, assume any obligation, or incur any expense, other than for first aid, without our consent.

5. Examination Of Your Books And Records

We may examine and audit your books and records as well as the "contractor's" books and records as they relate to this policy at any time during the policy period and up to three years afterward.

6. Inspections And Surveys

a. We have the right to:

(1) Make inspections and surveys at any time;

(2) Give you reports on the conditions we find; and

(3) Recommend changes.

b. We are not obligated to make any inspections, surveys, reports or recommendations and any such actions we do undertake relate only to insurability and the premiums to be charged. We do not make safety inspections. We do not undertake to perform the duty of any person or organization to provide for the health or safety of workers or the public. And we do not warrant that conditions:

- (1) Are safe or healthful; or
- (2) Comply with laws, regulations, codes or standards.

c. Paragraphs a. and b. of this condition apply not only to us, but also to any rating, advisory, rate service or similar organization which makes insurance inspections, surveys, reports or recommendations.

d. Paragraph b. of this condition does not apply to any inspections, surveys, reports or recommendations we may make relative to certification, under state or municipal statutes, ordinances or regulations, of boilers, pressure vessels or elevators.

7. Legal Action Against Us

No person or organization has a right under this Coverage Part:

- a. To join us as a party or otherwise bring us into a "suit" asking for damages from an insured; or
- b. To sue us on this Coverage Part unless all of its terms have been fully complied with.

A person or organization may sue us to recover on an agreed settlement or on a final judgment against an insured; but we will not be liable for damages that are not payable under the terms of this Coverage Part or that are in excess of the applicable limit of insurance. An agreed settlement means a settlement and release of liability signed by us, the insured and the claimant or the claimant's legal representative.

8. Other Insurance

The insurance afforded by this Coverage Part is primary insurance and we will not seek contribution from any other insurance available to you unless the other insurance is provided by a contractor other than the designated "contractor" for the same operation and job location designated in the Declarations. Then we will share with that other insurance by the method described below.

If all of the other insurance permits contribution by equal shares, we will follow this method also. Under this approach, each insurer contributes equal amounts until it has paid its applicable limit of insurance or none of the loss remains, whichever comes first.

If any of the other insurance does not permit contribution by equal shares, we will contribute by limits. Under this method, each insurer's share is based on the ratio of its applicable limit of insurance to the total applicable limits of insurance of all insurers.

9. Premiums

The "contractor":

- a. Is responsible for the payment of all premiums; and
- b. Will be the payee for any return premiums we pay.

10. Premium Audit

- a. We will compute all premiums for this Coverage Part in accordance with our rules and rates.
- b. Premium shown in this Coverage Part as advance premium is a deposit premium only. At the close of each audit period we will compute the earned premium for that period and send notice to the "contractor". The due date for audit and retrospective premiums is the date shown as the due date on the bill. If the sum of the advance and audit premiums paid for the policy period is greater than the earned premium, we will return the excess to the "contractor".
- c. The "contractor" must keep records of the information we need for premium computation, and send us copies at such times as we may request.

11. Separation Of Insureds

Except with respect to the Limits of Insurance, and any rights or duties specifically assigned in this Coverage Part to the first Named Insured, this insurance applies:

- a. As if each Named Insured were the only Named Insured; and
- b. Separately to each insured against whom claim is made or "suit" is brought.

12. Transfer Of Rights Of Recovery Against Others To Us

If the insured has rights to recover all or part of any payment we have made under this Coverage Part those rights are transferred to us. The insured must do nothing after loss to impair them. At our request, the insured will bring "suit" or transfer those rights to us and help us enforce them.

13. When We Do Not Renew

If we decide not to renew this Coverage Part, we will mail or deliver to the first Named Insured shown in the Declarations written notice of the nonrenewal not less than 30 days before the expiration date.

If notice is mailed, proof of mailing will be sufficient proof of notice.

SECTION V – DEFINITIONS

1. "Auto" means:

- a. A land motor vehicle, trailer or semitrailer designed for travel on public roads, including any attached machinery or equipment; or
- b. Any other land vehicle that is subject to a compulsory or financial responsibility law or other motor vehicle insurance law in the state where it is licensed or principally garaged.

However, "auto" does not include "mobile equipment".

2. "Bodily injury" means bodily injury, sickness or disease sustained by a person, including death resulting from any of these at any time.
3. "Contractor" means the contractor designated in the Declarations.
4. "Employee" includes a "leased worker". "Employee" does not include a "temporary worker".
5. "Executive officer" means a person holding any of the officer positions created by your charter, constitution, by-laws or any other similar governing document.
6. "Hostile fire" means one which becomes uncontrollable or breaks out from where it was intended to be.
7. "Impaired property" means tangible property, other than work performed for you, that cannot be used or is less useful because:
 - a. It incorporates work performed for you that is known or thought to be defective, deficient, inadequate or dangerous; or
 - b. You have failed to fulfill the terms of a contract or agreement;

if such property can be restored to use by the repair, replacement, adjustment or removal of the work performed for you or your fulfilling the terms of the contract or agreement.

8. "Insured contract" means:

- a. A lease of premises;
- b. A sidetrack agreement;
- c. Any easement or license agreement, except in connection with construction or demolition operations on or within 50 feet of a railroad;
- d. An obligation, as required by ordinance, to indemnify a municipality, except in connection with work for a municipality; or
- e. An elevator maintenance agreement.

9. "Leased worker" means a person leased to you by a labor leasing firm under an agreement between you and the labor leasing firm, to perform duties related to the conduct of your business. "Leased worker" does not include a "temporary worker".

10. "Mobile equipment" means any of the following types of land vehicles, including any attached machinery or equipment:

- a. Bulldozers, farm machinery, forklifts and other vehicles designed for use principally off public roads;
- b. Vehicles maintained for use solely on or next to premises you own or rent;
- c. Vehicles that travel on crawler treads;
- d. Vehicles, whether self-propelled or not, maintained primarily to provide mobility to permanently mounted:
 - (1) Power cranes, shovels, loaders, diggers or drills; or
 - (2) Road construction or resurfacing equipment such as graders, scrapers or rollers;
- e. Vehicles not described in Paragraph a., b., c. or d. above that are not self-propelled and are maintained primarily to provide mobility to permanently attached equipment of the following types:
 - (1) Air compressors, pumps and generators, including spraying, welding, building cleaning, geophysical exploration, lighting and well servicing equipment; or
 - (2) Cherry pickers and similar devices used to raise or lower workers;
- f. Vehicles not described in Paragraph a., b., c. or d. above maintained primarily for purposes other than the transportation of persons or cargo.

However, self-propelled vehicles with the following types of permanently attached equipment are not "mobile equipment" but will be considered "autos":

(1) Equipment designed primarily for:

- (a) Snow removal;
- (b) Road maintenance, but not construction or resurfacing; or
- (c) Street cleaning;
- (2) Cherry pickers and similar devices mounted on automobile or truck chassis and used to raise or lower workers; and
- (3) Air compressors, pumps and generators, including spraying, welding, building cleaning, geophysical exploration, lighting and well servicing equipment.

However, "mobile equipment" does not include land vehicles that are subject to a compulsory or financial responsibility law or other motor vehicle insurance law in the state where it is licensed or principally garaged. Land vehicles subject to a compulsory or financial responsibility law or other motor vehicle insurance law are considered "autos".

11. "Occurrence" means an accident, including continuous or repeated exposure to substantially the same general harmful conditions.
12. "Pollutants" mean any solid, liquid, gaseous or thermal irritant or contaminant, including smoke, vapor, soot, fumes, acids, alkalis, chemicals and waste. Waste includes materials to be recycled, reconditioned or reclaimed.
13. "Property damage" means:
 - a. Physical injury to tangible property, including all resulting loss of use of that property. All such loss of use shall be deemed to occur at the time of the physical injury that caused it; or
 - b. Loss of use of tangible property that is not physically injured. All such loss of use shall be deemed to occur at the time of the "occurrence" that caused it.

For the purposes of this insurance, electronic data is not tangible property.

As used in this definition, electronic data means information, facts or programs stored as or on, created or used on, or transmitted to or from, computer software, including systems and applications software, hard or floppy disks, CD-ROMS, tapes, drives, cells, data processing devices or any other media which are used with electronically controlled equipment.

14. "Suit" means a civil proceeding, brought in the United States of America (including its territories and possessions), Puerto Rico or Canada, in which damages because of "bodily injury" or "property damage" to which this insurance applies are alleged. "Suit" includes:
 - a. An arbitration proceeding in which such damages are claimed and to which the insured must submit or does submit with our consent; or
 - b. Any other alternative dispute resolution proceeding in which such damages are claimed and to which the insured submits with our consent.
15. "Temporary worker" means a person who is furnished to you to substitute for a permanent "employee" on leave or to meet seasonal or short-term workload conditions.
16. "Work" includes materials, parts or equipment furnished in connection with the operations.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ILLINOIS CHANGES – CANCELLATION AND NONRENEWAL

This endorsement modifies insurance provided under the following:

OWNERS AND CONTRACTORS PROTECTIVE COVERAGE PART

A. Cancellation (Section IV 2.) is replaced by the following:

CANCELLATION

1. The first Named Insured shown in the Declarations may cancel this policy by mailing to us advance written notice of cancellation.
2. We may cancel this policy by mailing you and the "contractor" written notice stating the reason for cancellation. If we cancel:
 - a. For nonpayment of premium, we will mail the notice at least 10 days prior to the effective date of cancellation.
 - b. For a reason other than nonpayment of premium, we will mail the notice at least:
 - (1) 30 days prior to the effective date of cancellation if the policy has been in effect for 60 days or less.
 - (2) 60 days prior to the effective date of cancellation if the policy has been in effect for more than 60 days.
3. If this policy has been in effect for more than 60 days, we may cancel only for one or more of the following reasons:
 - a. Nonpayment of premium;
 - b. The policy was obtained through a material misrepresentation;
 - c. Any insured has violated any of the terms and conditions of the policy;
 - d. The risk originally accepted has measurably increased;
 - e. Certification to the Director of Insurance of the loss of reinsurance by the insurer that provided coverage to us for all or a substantial part of the underlying risk insured; or
- f. A determination by the Director of Insurance that the continuation of the policy could place us in violation of the insurance laws of this State.
4. We will mail our notices to you, the "contractor" and the agent or broker, at the respective addresses last known to us.
5. Notice of cancellation will state the effective date of cancellation. The policy period will end on that date.
6. If this policy is cancelled, we will send the "contractor" any premium refund due. If we cancel, the refund will be pro rata. If the first Named Insured or the "contractor" cancels, the refund may be less than pro rata. The cancellation will be effective even if we have not made or offered a refund.
7. If notice is mailed, proof of mailing will be sufficient proof of notice.

B. The following is added and supersedes any provision to the contrary:

NONRENEWAL

If we decide not to renew or continue this policy, we will mail you and your agent or broker, and the "contractor", written notice, stating the reason for nonrenewal, at least 60 days before the end of the policy period. If we offer to renew or continue and you do not accept, this policy will terminate at the end of the current policy period. Failure to pay the required renewal or continuation premium when due shall mean that you have not accepted our offer.

If we fail to mail proper written notice of nonrenewal and you obtain other insurance, this policy will end on the effective date of that insurance.

C. Mailing Of Notices

We will mail cancellation and nonrenewal notices to the last addresses known to us. Proof of mailing will be sufficient proof of notice.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

SILICA OR SILICA-RELATED DUST EXCLUSION

This endorsement modifies insurance provided under the following:

OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

A. The following exclusion is added to Paragraph 2.,
Exclusions of Section I – Coverages Bodily In-
jury And Property Damage Liability:

2. Exclusions

This insurance does not apply to:

SILICA OR SILICA-RELATED DUST

- a. "Bodily injury" arising, in whole or in part, out of the actual, alleged, threatened or suspected inhalation of, or ingestion of, "silica" or "silica-related dust".
- b. "Property damage" arising, in whole or in part, out of the actual, alleged, threatened or suspected contact with, exposure to, existence of, or presence of, "silica" or "silica-related dust".

c. Any loss, cost or expense arising, in whole or in part, out of the abating, testing for, monitoring, cleaning up, removing, containing, treating, detoxifying, neutralizing, remediating or disposing of, or in any way responding to or assessing the effects of, "silica" or "silica-related dust", by any insured or by any other person or entity.

B. The following definitions are added to the Definitions Section:

1. "Silica" means silicon dioxide (occurring in crystalline, amorphous and impure forms), silica particles, silica dust or silica compounds.
2. "Silica-related dust" means a mixture or combination of silica and other dust or particles.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

NUCLEAR ENERGY LIABILITY EXCLUSION ENDORSEMENT

(Broad Form)

This endorsement modifies insurance provided under the following:

COMMERCIAL AUTOMOBILE COVERAGE PART
COMMERCIAL GENERAL LIABILITY COVERAGE PART
FARM COVERAGE PART
LIQUOR LIABILITY COVERAGE PART
MEDICAL PROFESSIONAL LIABILITY COVERAGE PART
OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
POLLUTION LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
RAILROAD PROTECTIVE LIABILITY COVERAGE PART
UNDERGROUND STORAGE TANK POLICY

1. The insurance does not apply:
 - A. Under any Liability Coverage, to "bodily injury" or "property damage":
 - (1) With respect to which an "insured" under the policy is also an insured under a nuclear energy liability policy issued by Nuclear Energy Liability Insurance Association, Mutual Atomic Energy Liability Underwriters, Nuclear Insurance Association of Canada or any of their successors, or would be an insured under any such policy but for its termination upon exhaustion of its limit of liability; or
 - (2) Resulting from the "hazardous properties" of "nuclear material" and with respect to which (a) any person or organization is required to maintain financial protection pursuant to the Atomic Energy Act of 1954, or any law amendatory thereof, or (b) the "insured" is, or had this policy not been issued would be, entitled to indemnity from the United States of America, or any agency thereof, under any agreement entered into by the United States of America, or any agency thereof, with any person or organization.
 - B. Under any Medical Payments coverage, to expenses incurred with respect to "bodily injury" resulting from the "hazardous properties" of "nuclear material" and arising out of the operation of a "nuclear facility" by any person or organization.
 - C. Under any Liability Coverage, to "bodily injury" or "property damage" resulting from "hazardous properties" of "nuclear material", if:
 - (1) The "nuclear material" (a) is at any "nuclear facility" owned by, or operated by or on behalf of, an "insured" or (b) has been discharged or dispersed therefrom;
 - (2) The "nuclear material" is contained in "spent fuel" or "waste" at any time possessed, handled, used, processed, stored, transported or disposed of, by or on behalf of an "insured"; or
 - (3) The "bodily injury" or "property damage" arises out of the furnishing by an "insured" of services, materials, parts or equipment in connection with the planning, construction, maintenance, operation or use of any "nuclear facility", but if such facility is located within the United States of America, its territories or possessions or Canada, this exclusion (3) applies only to "property damage" to such "nuclear facility" and any property thereat.
2. As used in this endorsement:

"Hazardous properties" includes radioactive, toxic or explosive properties.

"Nuclear material" means "source material", "special nuclear material" or "by-product material".

"Source material", "special nuclear material", and "by-product material" have the meanings given them in the Atomic Energy Act of 1954 or in any law amendatory thereof.

"Spent fuel" means any fuel element or fuel component, solid or liquid, which has been used or exposed to radiation in a "nuclear reactor".

"Waste" means any waste material **(a)** containing "by-product material" other than the tailings or wastes produced by the extraction or concentration of uranium or thorium from any ore processed primarily for its "source material" content, and **(b)** resulting from the operation by any person or organization of any "nuclear facility" included under the first two paragraphs of the definition of "nuclear facility".

"Nuclear facility" means:

- (a)** Any "nuclear reactor";
- (b)** Any equipment or device designed or used for **(1)** separating the isotopes of uranium or plutonium, **(2)** processing or utilizing "spent fuel", or **(3)** handling, processing or packaging "waste";

- (c)** Any equipment or device used for the processing, fabricating or alloying of "special nuclear material" if at any time the total amount of such material in the custody of the "insured" at the premises where such equipment or device is located consists of or contains more than 25 grams of plutonium or uranium 233 or any combination thereof, or more than 250 grams of uranium 235;

- (d)** Any structure, basin, excavation, premises or place prepared or used for the storage or disposal of "waste";

and includes the site on which any of the foregoing is located, all operations conducted on such site and all premises used for such operations.

"Nuclear reactor" means any apparatus designed or used to sustain nuclear fission in a self-supporting chain reaction or to contain a critical mass of fissionable material.

"Property damage" includes all forms of radioactive contamination of property.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ILLINOIS CHANGES – CIVIL UNION

This endorsement modifies insurance provided under the following:

COMMERCIAL AUTOMOBILE COVERAGE PART
COMMERCIAL GENERAL LIABILITY COVERAGE PART
COMMERCIAL LIABILITY UMBRELLA COVERAGE PART
FARM COVERAGE PART
FARM UMBRELLA LIABILITY POLICY
LIQUOR LIABILITY COVERAGE PART
MEDICAL PROFESSIONAL LIABILITY COVERAGE PART
OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
POLLUTION LIABILITY COVERAGE PART
PRODUCT WITHDRAWAL COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
UNDERGROUND STORAGE TANK POLICY

A. The term "spouse" is replaced by the following:

Spouse or party to a civil union recognized under Illinois law.

B. Under the Commercial Auto Coverage Part, the term "family member" is replaced by the following:

"Family member" means a person related to the:

1. Individual Named Insured by blood, adoption, marriage or civil union recognized under Illinois law, who is a resident of such Named Insured's household, including a ward or foster child; or
2. Individual named in the Schedule by blood, adoption, marriage or civil union recognized under Illinois law, who is a resident of the individual's household, including a ward or foster child, if the Drive Other Car Coverage – Broadened Coverage For Named Individual Endorsement is attached.

C. With respect to coverage for the ownership, maintenance, or use of "covered autos" provided under the Commercial Liability Umbrella Coverage Part, the term "family member" is replaced by the following:

"Family member" means a person related to you by blood, adoption, marriage or civil union recognized under Illinois law, who is a resident of your household, including a ward or foster child.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ILLINOIS CHANGES – DEFENSE COSTS

This endorsement modifies insurance provided under the following:

COMMERCIAL AUTOMOBILE COVERAGE PART
 COMMERCIAL GENERAL LIABILITY COVERAGE PART
 COMMERCIAL LIABILITY UMBRELLA COVERAGE PART
 COMMERCIAL PROPERTY COVERAGE PART – LEGAL LIABILITY COVERAGE FORM
 COMMERCIAL PROPERTY COVERAGE PART – MORTGAGEHOLDERS ERRORS AND OMISSIONS COVERAGE FORM
 EMPLOYMENT-RELATED PRACTICES LIABILITY COVERAGE PART
 FARM COVERAGE PART
 FARM UMBRELLA LIABILITY POLICY
 LIQUOR LIABILITY COVERAGE PART
 MEDICAL PROFESSIONAL LIABILITY COVERAGE PART
 OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
 POLLUTION LIABILITY COVERAGE PART
 PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
 PRODUCT WITHDRAWAL COVERAGE PART
 RAILROAD PROTECTIVE LIABILITY COVERAGE PART
 UNDERGROUND STORAGE TANK COVERAGE PART

A. The provisions of Paragraph B. are added to all Insuring Agreements that set forth a duty to defend under:

1. Section I of the Commercial General Liability, Commercial Liability Umbrella, Employment-Related Practices Liability, Farm, Liquor Liability, Owners And Contractors Protective Liability, Pollution Liability, Products/Completed Operations Liability, Product Withdrawal, Medical Professional Liability, Railroad Protective Liability, Underground Storage Tank Coverage Parts and the Farm Umbrella Liability Policy;
2. Section II – Liability Coverage in Paragraph A. Coverage under the Business Auto, Garage, Motor Carrier and Truckers Coverage Forms;
3. Section A. Coverage under the Legal Liability Coverage Form; and
4. Coverage C – Mortgageholder's Liability under the Mortgageholders Errors And Omissions Coverage Form.

B. If we initially defend an insured ("insured") or pay for an insured's ("insured's") defense but later determine that the claim(s) is (are) not covered under this insurance, we will have the right to reimbursement for the defense costs we have incurred.

The right to reimbursement for the defense costs under this provision will only apply to defense costs we have incurred after we notify you in writing that there may not be coverage, and that we are reserving our rights to terminate the defense and seek reimbursement for defense costs.

MID-CONTINENT GROUP®
PRIVACY NOTICE
AND
NOTICE OF INFORMATION PRACTICES

The member of Mid-Continent Group ("Mid-Continent," including those companies listed at the end of this Notice) respect your right to privacy.

We want you to know about our procedures for protecting your privacy and your rights and responsibilities regarding information we receive about you. We want you to understand how we gather information about you, how we protect it, and how you can help ensure its accuracy. Although we may provide this Notice as information to additional persons, the terms of this Notice apply to those individuals who inquire about or obtain insurance from Mid-Continent primarily for personal, family or household purposes, and certain group insurance plans. We will provide our customers with a copy of the most recent notice of our privacy policy at least annually and more often if we make any changes affecting their rights under our privacy policy. This Notice applies to current and former customers of Mid-Continent, but does not in any way imply or affect insurance coverage. You can find the online version of this Notice on our web site at www.mcg-ins.com.

Because Mid-Continent does not share your information outside of permitted exceptions, there is no need for you to take any action under this Notice. If we change our practices in the future, we will advise you and, if applicable, enable you to "opt-out" of certain sharing.

1. What kind of information is collected about you?

We get most of our information about you directly from you, such as your name, address, social security number, income level and certain other financial information, on insurance applications and other forms that you provide to us. While in some cases the information you provide to your insurance representative during the insurance application process gives us all the information we need to evaluate you or your property for insurance, there are instances when we may need additional information or may need to verify information you have given us. In those cases, we may obtain information from outside sources at our own expense.

It is common for an insurance company to ask an independent source to verify and supplement information given on an insurance application. There are many such independent companies, commonly called "consumer reporting agencies," which are in the business of providing independent information to insurance and other financial services companies. We will treat the information we receive about you from an independent reporting agency in accordance with the terms of this Notice. Upon our receipt of your written request sent to the address set forth in Section 5, we will inform you of the name and address of any agency we have used to prepare a report on you so that you can contact the agency.

Once you have been an insured customer of ours for a period of time, your record may contain information related to our experiences and transactions with you, such as insurance policy coverage, premiums and payment history, and any claims you make under your insurance policy. For example, information collected by a claims representative and any policy or fire report will be retained by us. Any information that we collect in connection with an insurance claim will be kept in accordance with this Notice.

Each company within Mid-Continent Group may disclose information about you to an affiliate regarding its transactions and experiences with you (such as your payment or claims history). We do not currently share other credit-related information, except as permitted or required by law.

Finally, we do use "cookies" when you interact with our web sites to make that experience easy and meaningful for you. When you visit our web site, our web server sends a cookie to your computer. A cookie is an electronically transmitted file that holds small pieces of information. When you navigate through our web site, your browser "requests" pages for you to view, and that request will include the information stored in the cookie we previously sent to your computer. This process is like an electronic "handshake" between our system and your computer; the information exchanged allows us to recognize your browser.

Cookies are used to collect and store only the following information: the visitor's domain name, the Internet address of the web site from which the visitor linked directly to our web site, the pages of our site that the visitor views and the length of time spent on each page, browser and operating system platform type, and the date and time the visitor accessed our site.

Cookies, as well as data taken from them, do not identify you personally. They merely recognize your browser. Unless you choose to identify yourself to us, either by responding to a promotional offer, buying a policy, or registering for an online service, you remain anonymous.

Session cookies exist only during an online session with Mid-Continent. Session cookies allow you to conduct transactions or requests on our web site. Without the session cookie information, we would not be able to complete your web transactions securely. Session cookies help us make sure you are who you say you are after you have logged in. We do not sell this or any other information about you to other web sites, merchants or financial institutions.

2. What do we do with information about you?

Information about you will be kept in our insurance policy records. We will refer to and use that information for purposes related to issuing and servicing insurance policies and settling claims. Generally, personal information about you in our records will not be disclosed by us to any external organization without your prior authorization. However, we may, as permitted by law, share information about you contained in our files with certain persons or organizations such as:

- your insurance representative,

- persons who represent you in a fiduciary capacity, including your attorney or trustee, or who have a legal interest in your insurance policy,

- adjusters, appraisers, auditors, investigators and attorneys,

- persons or organizations who need the information to perform a business, professional or insurance function for us,

- other insurance companies, agents or consumer reporting agencies as information is needed in connection with any insurance application, policy or claim involving you,

- medical professionals to inform you of a medical condition of which you may not be aware,

- persons or organizations that conduct research, including actuarial or underwriting studies, provided that no individual information may be identified in any research study report,

- persons or organizations that perform marketing services on our behalf or to other financial institutions with whom we have joint marketing agreements,

- our affiliated companies,

- to a court, state insurance department or other government agency pursuant to a summons, court order, search warrant, subpoena, or as otherwise required by law or regulation.

3. Who has access to your information?

Mid-Continent currently incorporates a system of passwords and other appropriate physical, electronic and procedural safeguards to protect against unauthorized access to potentially private information. We will educate our employees about the terms of this Notice and the importance of confidentiality and customer privacy. Employees who gain unauthorized access or who otherwise violate our privacy policy are subject to disciplinary action up to and including termination of employment. We plan to monitor and evaluate our information security program and available security software in light of relevant changes in technology to determine ways to increase protections to the security or integrity of our records and information.

4. How can you review recorded information about you?

Generally, you have the right to review and receive a copy of the recorded personal information about you contained in our files with respect to a particular policy number, except for certain legal and medical documents. You have the further rights to request that we correct any of this information. To exercise these rights, you must send to us a notarized request at the address set forth below stating your complete name, address, insurance policy number, daytime phone number, and a copy of your driver's license or other personal identification. If you believe any information is incorrect, we will investigate and correct it if we can substantiate the error. Even if we do not correct the information, you have the right to file with us a written statement of dispute which we will include in any future disclosure of the information.

5. How can you contact us?

If, after reading this, you have any questions about our privacy policy, please write to us at the following address:

MID-CONTINENT GROUP
1437 S. Boulder
Suite 200
Tulsa, OK 74119
Attn: Compliance Office - Privacy

Mid-Continent Casualty Company
Mid-Continent Assurance Company
Oklahoma Surety Company

IMPORTANT NOTICE

STATE OF ILLINOIS

TO OBTAIN INFORMATION OR MAKE A COMPLAINT

This notice is to advise you that should any complaints arise regarding this insurance; you may contact Great American Insurance Companies at the following address:

Great American Insurance Group
Mid Continent Group
1437 S. Boulder, Suite 200
Tulsa, OK 74119

Or you may call the toll-free telephone number for information or to make a complaint at

1-800-722-4994

You may write the Illinois Department of Insurance at:

Illinois Department of Insurance
Consumer Division or Public Services Section
Springfield, IL 62767

ATTACH THIS NOTICE TO YOUR POLICY

This notice is for information only and does not become a part or condition of the attached document.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY

FUNGUS, MILDEW AND MOLD EXCLUSION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
OWNERS AND CONTRACTORS LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
RAILROAD PROTECTION LIABILITY COVERAGE PART

This insurance does not apply to:

1. "Bodily injury", "property damage", "personal and advertising injury" or "medical payments" arising out of, resulting from, caused by, contributed to, attributed to, or in any way related to any fungus, mildew, mold or resulting allergens;
2. Any costs or expenses associated, in any way, with the abatement, mitigation, remediation, containment, detoxification, neutralization, monitoring, removal, disposal or any obligation to investigate or assess the presence or effects of any fungus, mildew, mold or resulting allergens; or
3. Any obligation to share with or repay any person, organization or entity, related in any way to items 1 and 2.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY

EXCLUSION - ASBESTOS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE FORM
OWNERS AND CONTRACTORS LIABILITY COVERAGE FORM
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE FORM
RAILROAD PROTECTIVE LIABILITY COVERAGE FORM

This insurance does not apply to "bodily injury", "property damage", or "personal and advertising injury" arising out of the actual or alleged presence or actual, alleged or threatened dispersal of asbestos, asbestos fibers or products containing asbestos, provided that the injury or damage is caused or contributed to by the hazardous properties of asbestos. This includes:

- a. Any supervision, instructions, recommendations, warnings or advise given or which should have been given in connection with the above; and
- b. Any obligation to share damages with or repay someone else who must pay damages because of such injury or damage.

All other conditions remain unchanged

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY

EXCLUSION - LEAD

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE FORM
OWNERS AND CONTRACTORS LIABILITY COVERAGE FORM
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE FORM

This insurance does not apply to "bodily injury," "property damage," or "personal and advertising injury" arising out of the actual or alleged presence or actual, alleged or threatened dispersal of lead, lead particles or products containing lead, provided that the injury or damage is caused or contributed to by the hazardous properties of lead.

This includes:

- a. Any supervision, instructions, recommendations, warnings or advice given or which should have been given in connection with the above; and
- b. Any obligation to share damages with or repay someone else who must pay damages because of such injury or damage.

All other conditions remain unchanged

1925

In Witness Whereof, we have caused this policy to be executed and attested, and, if required by state law, this policy shall not be valid unless countersigned by our authorized representative.

L. Jay Jesse

Secretary

Mike Coe

President

DEF
RPL



Report Claims Immediately by Calling*
1-877-828-4132

*Speak directly with a claim professional
24 hours a day, 365 days a year*

*Unless Your Policy Requires Written Notice or Reporting

COMMERCIAL INSURANCE

A Custom Insurance Policy Prepared for:

GRAND TRUNK WESTERN RAILROAD
COMPANY AND ITS PARENTS
17641 S.ASHLAND AVENUE
HOMWOOD IL 60430



Presented by: DS&P INSURANCE SERVICES

TRAVELERS CORP. TEL: 1-800-328-2189
CONTRACTORS
COMMON POLICY DECLARATIONS
ISSUE DATE: 03/06/12
POLICY NUMBER: DT-SPS-8037X190-IND-12

INSURING COMPANY:
THE TRAVELERS INDEMNITY COMPANY

1. NAMED INSURED AND MAILING ADDRESS:
GRAND TRUNK WESTERN RAILROAD
COMPANY AND ITS PARENTS
17641 S. ASHLAND AVENUE
HOMEWOOD, IL 60430

2. POLICY PERIOD: From 03/01/12 to 03/01/13 12:01 A.M. Standard Time at
your mailing address.

3. LOCATIONS
Premises Bldg.
Loc. No. No. Occupancy Address

ON FILE WITH COMPANY

4. COVERAGE PARTS FORMING PART OF THIS POLICY AND INSURING COMPANIES:
RAILROAD PROTECTIVE LIABILITY COV PART DECLARATIONS CG TO 05 04 07 IND

5. NUMBERS OF FORMS AND ENDORSEMENTS
FORMING A PART OF THIS POLICY: SEE IL T8 01 10 93

6. SUPPLEMENTAL POLICIES: Each of the following is a separate policy
containing its complete provisions:
Policy Policy No. Insuring Company

7. PREMIUM SUMMARY:
Provisional Premium \$ 5,000
Due at Inception \$ 5,000
Due at Each \$

NAME AND ADDRESS OF AGENT OR BROKER:
DS&P INSURANCE SERVICES (HG556)
1530 DUNDEE RD E STE 200
PALATINE, IL 600748318

COUNTERSIGNED BY:

Authorized Representative

DATE:

IL TO 02 11 89(REV. 09-07) PAGE 1 OF 1
OFFICE: EDISON

OKT



POLICY NUMBER: DT-SPS-8037X190-IND-12

EFFECTIVE DATE: 03-01-12

ISSUE DATE: 03-06-12

LISTING OF FORMS, ENDORSEMENTS AND SCHEDULE NUMBERS

THIS LISTING SHOWS THE NUMBER OF FORMS, SCHEDULES AND ENDORSEMENTS BY LINE OF BUSINESS.

IL TO 02 11 89	COMMON POLICY DECLARATIONS
IL T8 01 10 93	FORMS, ENDORSEMENTS AND SCHEDULE NUMBERS
IL T3 83 09 06	EXECUTION CLAUSE

COMMERCIAL GENERAL LIABILITY

CG TO 05 04 07	RAILROAD PROTECTIVE LIAB COV PART DEC
CG TO 07 03 95	DECLARATIONS PREMIUM SCHEDULE
CG TO 08 11 03	KEY TO DECLARATIONS PREMIUM SCHEDULE
CG TO 40 11 03	TABLE OF CONTENTS
CG 00 35 10 01	RAILROAD PROTECTIVE LIAB COV FORM
CG 21 70 01 08	CAP ON LOSSES-CERTIFIED ACTS-TERRORISM
CG D3 58 03 05	EXCLUSION - SILICA
CG D0 76 06 93	EXCLUSION-LEAD
CG T4 78 02 90	EXCLUSION-ASBESTOS
CG 29 06 07 05	IL CHANGES-CANCELLATION AND NONRENEWAL
CG 00 64 12 02	WAR LIABILITY EXCLUSION

INTERLINE ENDORSEMENTS

IL T3 68 05 10	FEDERAL TERRORISM RISK INS ACT DISCLOSE
IL 00 21 09 08	NUCLEAR ENERGY LIAB EXCL END-BROAD FORM
IL 01 62 09 08	ILLINOIS CHANGES - DEFENSE COSTS



This policy consists of this policy cover, the Declarations and the forms, schedules and endorsements listed in the Declarations.

In return for payment of the premium, we agree with the Named Insured to provide the insurance afforded by this policy. That insurance will be provided by the company indicated as insuring company in the Declarations by the abbreviation of its name.

The companies listed below (each a stock company) have executed this policy, but it is valid only if countersigned on the Declarations by our authorized representative.

- The Travelers Indemnity Company (IND)
- The Phoenix Insurance Company (PHX)
- The Charter Oak Fire Insurance Company (COF)
- Travelers-Property Casualty Company of America (TIL)
- The Travelers Indemnity Company of Connecticut (TCT)
- The Travelers Indemnity Company of America (TIA)
- Travelers Casualty Insurance Company of America (ACJ)

Wendy C. Skj...

Secretary

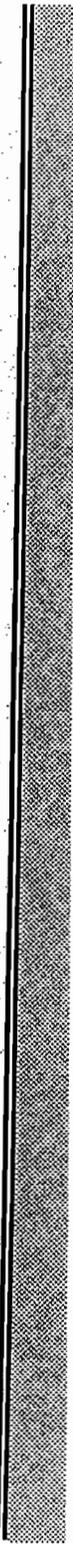
Brian MacLean

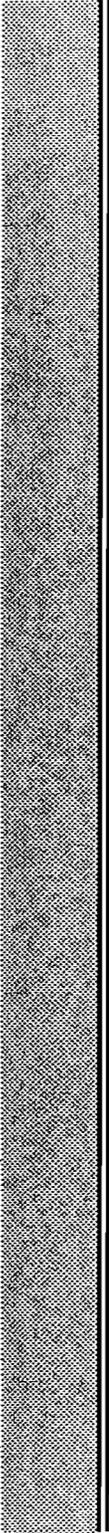
President





GENERAL LIABILITY





GENERAL LIABILITY



One Tower Square, Hartford, Connecticut 06183

**RAILROAD PROTECTIVE LIABILITY
COVERAGE PART DECLARATIONS**

POLICY NUMBER: DT-SPS-8037X190-IND-12
ISSUE DATE: 03-06-12

INSURING COMPANY:
THE TRAVELERS INDEMNITY COMPANY

Declarations Period: From 03-01-12 to 03-01-13 12:01 A.M. Standard Time at your mailing address shown in the Common Policy Declarations.

The Railroad Protective Liability Coverage Part consists of these Declarations and the Coverage Form shown below. The Common Policy Conditions do not apply to this Coverage Part.

1. COVERAGE AND LIMITS OF INSURANCE:

RAILROAD PROTECTIVE LIABILITY COVERAGE FORM	LIMITS OF INSURANCE
Aggregate Limit	\$ 10,000,000
Each Occurrence Limit	\$ 5,000,000

2. AUDIT PERIOD: NONE

3. DESIGNATED CONTRACTOR:

Name GALLAGHER ASPHALT CORP ETAL

Mailing Address 1800S INDIANA AVENUE
THORTON, IL 60476

4. JOB LOCATION(S):

ASPHALT PAVING OF ROADWAY
JOB #GE12801 CCHD SECTION 95-W6606-0-FP
WENTWORTH AVENUE FROM GLENWOOD LANSING RD.
TO RIDGE, COOK COUNTY, IL

**5. NAME AND ADDRESS OF INVOLVED GOVERNMENTAL AUTHORITY OR OTHER
CONTRACTING PARTY:**

COOK COUNTY-HIGHWAY DEPARTMENT
CONTRACT DOCUMENTS RM 2200
69 W. WASHINGTON 23RD FLOOR
CHICAGO, IL 60602

**6. NUMBERS OF FORMS, SCHEDULES AND ENDORSEMENTS FORMING PART OF THIS COVERAGE
PART ARE ATTACHED AS A SEPARATE LISTING.**

CG T0 05 04 07

PRODUCER:DS&P INSURANCE SERVICES

HG556

OFFICE: EDISON

06H



KEY TO DECLARATIONS PREMIUM SCHEDULE

ABBREVIATIONS:

CLASS DESCRIPT – means CLASS DESCRIPTION

LOC/BLDG NO. – means LOCATION/BUILDING NUMBER

OPN NO. – means OPERATION NUMBER

PREM/OPS – means PREMISES/OPERATIONS

PROD/C-OPS – means PRODUCTS/COMPLETED OPERATIONS

PREMIUM BASE:

Key Letter	Premium Base	How Rates Apply
a	Area	per 1,000 square feet
c	Total Cost	per \$1,000 of total cost
m	Admissions	per 1,000 admissions
o	Total Operating Expense	per \$1,000 of total operating expenditures
p	Payroll	per \$1,000 of payroll
s	Gross Sales	per \$1,000 of gross sales
t	(see note* below)	(see note* below)
u	Units	per unit

* Premium base t applies for a number of rarely used premium bases. The specific base and how rates apply are shown with the Class Description on the DECLARATIONS-PREMIUM SCHEDULE.

RAILROAD PROTECTIVE LIABILITY COVERAGE FORM

Various provisions in this policy restrict coverage. Read the entire policy carefully to determine rights, duties and what is and is not covered.

Throughout this policy, the words "you" and "your" refer to the Named Insured shown in the Declarations. The words "we", "us" and "our" refer to the Company providing this insurance.

The word "insured" means any person or organization qualifying as such under Section II – Who Is An Insured.

Other words and phrases that appear in quotation marks have special meaning. Refer to Section V – Definitions.

SECTION I – COVERAGES

COVERAGE A – BODILY INJURY AND PROPERTY DAMAGE LIABILITY

1. Insuring Agreement

- a. We will pay those sums that the insured becomes legally obligated to pay as damages because of "bodily injury" or "property damage" to which this insurance applies. We will have the right and duty to defend the insured against any "suit" seeking those damages. However, we will have no duty to defend the insured against any "suit" seeking damages for "bodily injury" or "property damage" to which this insurance does not apply. We may, at our discretion, investigate any "occurrence" and settle any claim or "suit" that may result. But:

- (1) The amount we will pay for damages is limited as described in Section III – Limits Of Insurance; and
- (2) Our right and duty to defend ends when we have used up the applicable limit of insurance in the payment of judgments or settlements.

No other obligation or liability to pay sums or perform acts or services is covered unless explicitly provided for under Supplementary Payments – Coverage A.

- b. This insurance applies to "bodily injury" and "property damage" only if:

- (1) The "bodily injury" or "property damage" occurs during the policy period; and
- (2) The "bodily injury" or "property damage" arises out of acts or omissions at the "job

location" which are related to or are in connection with the "work" described in the Declarations.

- c. Damages because of "bodily injury" include damages claimed by any person or organization for care, loss of services or death resulting at any time from the "bodily injury".

2. Exclusions

This insurance does not apply to:

a. Expected Or Intended Injury

"Bodily injury" or "property damage" expected or intended from the standpoint of the insured. This exclusion does not apply to "bodily injury" resulting from the use of reasonable force to protect persons or property.

b. Contractual Liability

"Bodily injury" or "property damage" for which the insured is obligated to pay damages by reason of the assumption of liability in a contract or agreement. This exclusion does not apply to liability for damages assumed in a contract or agreement that is a "covered contract".

c. Completed Work

"Bodily injury" or "property damage" occurring after the "work" is completed. The "work" will be deemed completed at the earliest of the following times:

- (1) When all the "work" called for in the "contractor's" contract has been completed.
- (2) When all the "work" to be done at the "job location" has been completed.
- (3) When that part of the "work" done at the "job location" has been put to its intended use by you, the governmental authority or other contracting party.

This exclusion does not apply to "bodily injury" or "property damage" resulting from the existence of or removal of tools, uninstalled equipment or abandoned or unused materials.

d. Acts Or Omissions Of Insured

"Bodily injury" or "property damage", the sole proximate cause of which is an act or omission of any insured other than acts or omis-

COMMERCIAL GENERAL LIABILITY

sions of any of "your designated employees". This exclusion does not apply to injury or damage sustained at the "job location" by any of "your designated employees" or employee of the "contractor", or by any employee of the governmental authority or any other contracting party (other than you) specified in the Declarations.

e. Workers' Compensation And Similar Laws

Any obligation of the insured under a workers' compensation, disability benefits or unemployment compensation law or any similar law. This exclusion does not apply to any obligation of the insured under the Federal Employers Liability Act, as amended.

f. Pollution

"Bodily injury" or "property damage" arising out of the actual, alleged or threatened discharge, dispersal, seepage, migration, release or escape of "pollutants" at or from the "job location":

- (1) Due to the past or present use of the "job location" by you or for you or others for the handling, storage, disposal, processing or treatment of waste; or
- (2) Due to the dumping or disposal of waste on the "job location" by the "contractor" with the knowledge of you or any of "your designated employees"; or
- (3) On which you or "contractors" working directly or indirectly on any insured's behalf are performing operations if the "pollutants" are brought on or to the "job location" in connection with such operations by you, the "contractor" or "your designated employee". However, this subparagraph does not apply to:
 - (a) "Bodily injury" or "property damage" arising out of the escape of fuels or lubricants from equipment used at the "job location".
 - (b) "Bodily injury" or "property damage" arising out of heat, smoke or fumes from a "hostile fire".
- (4) On which you or "contractors" working directly or indirectly on any insured's behalf are performing operations if the operations are to test for, monitor, clean up, remove, contain, treat, detoxify or neutral-

ize, or in any way respond to, or assess the effects of, "pollutants".

g. Damage To Owned, Leased Or Entrusted Property

"Property damage" to property owned by you or leased or entrusted to you under a lease or trust agreement.

COVERAGE B – PHYSICAL DAMAGE TO PROPERTY

1. Insuring Agreement

We will pay for "physical damage to property" to which this insurance applies. The "physical damage to property" must occur during the policy period. The "physical damage to property" must arise out of acts or omissions at the "job location" which are related to or in connection with the "work" described in the Declarations. The property must be owned by or leased or entrusted to you under a lease or trust agreement.

2. Exclusions

This insurance does not apply to "physical damage to property":

a. Completed Work

Occurring after the "work" is completed. The "work" will be deemed completed at the earliest of the following times:

- (1) When all the "work" called for in the "contractor's" contract has been completed.
- (2) When all the "work" to be done at the "job location" has been completed.
- (3) When that part of the "work" done at the "job location" has been put to its intended use by you, the governmental authority or other contracting party.

This exclusion does not apply to "physical damage to property" resulting from the existence of tools, uninstalled equipment or abandoned or unused materials.

b. Acts Or Omissions Of Insured

The sole proximate cause of which is an act or omission of any insured other than acts or omissions of any of "your designated employees".

c. Nuclear Incidents Or Conditions

Due to nuclear reaction, nuclear radiation or radioactive contamination or to any related act or condition.

rations, at the respective mailing addresses last known to us, written notice of cancellation at least 60 days before the effective date of cancellation.

- c. Notice of cancellation will state the effective date of cancellation. The policy period will end on that date.
- d. If this policy is cancelled, any unearned premium will be refunded. If we cancel, the refund will be pro rata. If you cancel, the refund may be less than pro rata. The cancellation will be effective even if we have not made or offered a refund.
- e. If notice is mailed, proof of mailing will be sufficient proof of notice.

4. Changes

This policy contains all the agreements between you and us concerning the insurance afforded. You are authorized to make changes in the terms of this policy with our consent. This policy's terms can be amended or waived only by endorsement issued by us and made a part of this policy.

5. Inspections And Surveys

- 1. We have the right to:
 - a. Make inspections and surveys at any time;
 - b. Give you reports on the conditions we find; and
 - c. Recommend changes.
- 2. We are not obligated to make inspections, surveys, reports or recommendations and any such actions we do undertake relate only to insurability and the premiums to be charged. We do not make safety inspections. We do not undertake to perform the duty of any person or organization to provide for the health or safety of workers or the public. And we do not warrant that conditions:
 - a. Are safe or healthful; or
 - b. Comply with laws, regulations, codes or standards.
- 3. Paragraphs 1, and 2, of this condition apply not only to us, but also to any rating, advisory, rate service or similar organization which makes insurance inspections, surveys, reports or recommendations.

- 4. Paragraph 2, of this condition does not apply to any inspections, surveys, reports or recommendations we may make relative to certification, under state or municipal statutes, ordinances or regulations, of boilers, pressure vessels or elevators.

6. Other Insurance

The insurance afforded by this policy is:

- a. Primary insurance and we will not seek contribution from any other insurance available to you except if the other insurance is provided by a contractor other than the designated contractor for the same operation and "job location"; and
- b. If the other insurance is available, we will share with that other insurance by the method described below.

If all of the other insurance permits contribution by equal shares, we will follow this method also. Under this approach, each insurer contributes equal amounts until it has paid its applicable limit of insurance or none of the loss remains, whichever comes first.

If any of the other insurance does not permit contribution by equal shares, we will contribute by limits. Under this method, each insurer's share is based on the ratio of its applicable limit of insurance to the total applicable limits of insurance of all insurers.

7. Premium And Premium Audit

- a. We will compute all premiums for this Coverage Part in accordance with our rules and rates.
- b. Contract cost, the premium base shown in the Declarations, means the total cost of the operations described in the Declarations.
- c. The premium shown in the Declarations as advance premium is a deposit premium only. At the close of each audit period we will compute the earned premium for that period and send notice to the "contractor" designated in the Declarations. The due date for audit and retrospective premiums is the date shown as the due date on the bill. If the sum of the advance and audit premiums paid for the policy period is greater than the earned

premium, we will return the excess to the contractor designated in the Declarations.

In no event shall the payment of premium be your obligation.

8. Transfer Of Rights Of Recovery Against Others To Us

If the insured has rights to recover all or part of any payment we have made under this policy, those rights are transferred to us. The insured must do nothing after loss to impair them. At our request, the insured will bring "suit" or transfer those rights to us and help us enforce them.

9. When We Do Not Renew

If we decide not to renew this Coverage Part, we will mail or deliver to the first Named Insured shown in the Declarations written notice of the nonrenewal not less than 30 days before the expiration date.

If notice is mailed, proof of mailing will be sufficient proof of notice.

B. The following Conditions apply to Coverage A only:

1. Legal Action Against Us

No person or organization has a right under this policy:

- a. To join us as a party or otherwise bring us into a "suit" asking for damages from an insured; or
- b. To sue us on this policy unless all of its terms have been fully complied with.

A person or organization may sue us to recover on an agreed settlement or on a final judgment against an insured; but we will not be liable for damages that are not payable under the terms of this policy or that are in excess of the applicable limit of insurance. An agreed settlement means a settlement and release of liability signed by us, the insured and the claimant or the claimant's legal representative.

2. Duties In The Event Of Occurrence, Claim Or Suit

- a. You must see to it that we are notified as soon as practicable of an occurrence which may result in a claim. To the extent possible, notice should include:

- (1) How, when and where the occurrence took place;

- (2) The names and addresses of any injured persons and witnesses; and
- (3) The nature and location of any injury or damage arising out of the occurrence.

- b. If a claim is made or "suit" is brought against any insured, you must:

- (1) Immediately record the specifics of the claim or "suit" and the date received; and
- (2) Notify us as soon as practicable.

You must see to it that we receive written notice of the claim or "suit" as soon as practicable.

- c. You and any other involved insured must:

- (1) Immediately send us copies of any demands, notices, summonses or legal papers received in connection with the claim or "suit";
- (2) Authorize us to obtain records and other information;
- (3) Cooperate with us in the investigation or settlement of the claim or defense against the "suit"; and
- (4) Assist us, upon our request, in the enforcement of any right against any person or organization which may be liable to the insured because of injury or damage to which this insurance may also apply.

- d. No insured will, except at that insured's own cost, voluntarily make a payment, assume any obligation, or incur any expense, other than for first aid, without our consent.

3. Separation Of Insureds

Except with respect to the Limits of Insurance this insurance applies:

- a. As if each Named Insured were the only Named Insured; and
- b. Separately to each insured against whom claim is made or "suit" is brought.

C. The following Conditions apply to Coverage B only:

1. Appraisal

If you fail to agree with us on the value of the property, or the amount of loss, either you or we may make written demand for an ap-



COMMERCIAL GENERAL LIABILITY

praisal of the loss within sixty (60) days after proof of loss is filed. In this event, each party will select a competent appraiser. The two appraisers will select a competent and impartial umpire. The appraisers will state separately the value of the property and the amount of loss. If they fail to agree, they will submit their differences to the umpire. A decision agreed to by any two will be binding. Each party will:

- a. Pay its chosen appraiser; and
- b. Bear the other expenses of the appraisal and umpire equally.

If we submit to an appraisal, we still retain our right to deny the claim.

2. No Benefit To Bailee

No person or organization, other than you, having custody of the property will benefit from this insurance.

3. Insured's Duties In The Event Of A Loss

You must:

- a. Protect the property, whether or not the loss is covered by this policy. Any further loss due to your failure to protect the property shall not be recoverable under this policy. Reasonable expenses incurred in affording such protection shall be deemed to be incurred at our request; and
- b. Submit to us, as soon after the loss as possible, your sworn proof of loss containing the information we request to settle the loss and, at our request, make available the damaged property for examination.

4. Legal Action Against Us

No person or organization has a right under this policy to sue us on this policy unless all of its terms have been fully complied with and until 30 days after proof of loss is filed and the amount of loss is determined as provided in this policy.

5. Payment Of Loss

We may pay for the loss in money, but there can be no abandonment of any property to us.

SECTION V – DEFINITIONS

1. "Auto" means a land motor vehicle, trailer or semitrailer designed for travel on public roads, in-

cluding any attached machinery or equipment. But "auto" does not include "mobile equipment".

2. "Bodily injury" means bodily injury, sickness or disease sustained by a person, including death resulting from any of these at any time.
3. "Contractor" means the contractor designated in the Declarations and includes all subcontractors working directly or indirectly for that "contractor" but does not include you.
4. "Covered contract" means any contract or agreement to carry a person or property for a charge or any interchange contract or agreement respecting motive power, or rolling stock equipment.
5. "Executive officer" means a person holding any of the officer positions created by your charter, constitution, by-laws or any other similar governing document.
6. "Hostile fire" means one which becomes uncontrollable or breaks out from where it was intended to be.
7. "Job location" means the job location designated in the Declarations including any area directly related to the "work" designated in the Declarations. "Job location" includes the ways next to it.
8. "Mobile equipment" means any of the following types of land vehicles, including any attached machinery or equipment:
 - a. Bulldozers, farm machinery, forklifts and other vehicles designed for use principally off public roads;
 - b. Vehicles maintained for use solely on or next to premises you own or rent;
 - c. Vehicles that travel on crawler treads;
 - d. Vehicles, whether self-propelled or not, maintained primarily to provide mobility to permanently mounted:
 - (1) Power cranes, shovels, loaders, diggers or drills; or
 - (2) Road construction or resurfacing equipment such as graders, scrapers or rollers;
 - e. Vehicles not described in a., b., c. or d. above that are not self-propelled and are maintained primarily to provide mobility to permanently attached equipment of the following types:
 - (1) Air compressors, pumps and generators, including spraying, welding, building cleaning, geophysical exploration, lighting and well servicing equipment; or

(2) Cherry pickers and similar devices used to raise or lower workers;

f. Vehicles not described in a., b., c. or d. above maintained primarily for purposes other than the transportation of persons or cargo.

However, self-propelled vehicles with the following types of permanently attached equipment are not "mobile equipment" but will be considered "autos":

- (1) Equipment designed primarily for:
 - (a) Snow removal;
 - (b) Road maintenance, but not construction or resurfacing; or
 - (c) Street cleaning;
- (2) Cherry pickers and similar devices mounted on automobile or truck chassis and used to raise or lower workers; and
- (3) Air compressors, pumps and generators, including spraying, welding, building cleaning, geophysical exploration, lighting and well servicing equipment.

9. "Physical damage to property" means direct and accidental loss of or damage to rolling stock and their contents, mechanical construction equipment or motive power equipment, railroad tracks, roadbeds, catenaries, signals, bridges or buildings.

10. "Pollutants" means any solid, liquid, gaseous or thermal irritant or contaminant, including smoke, vapor, soot, fumes, acids, alkalis, chemicals and waste. Waste includes material to be recycled, reconditioned or reclaimed.

11. "Property damage" means:

- a. Physical injury to tangible property, including all resulting loss of use of that property. All

such loss of use shall be deemed to occur at the time of the physical injury that caused it; or

- b. Loss of use of tangible property that is not physically injured. All such loss of use shall be deemed to occur at the time of the occurrence that caused it.

12. "Suit" means a civil proceeding in which damages because of "bodily injury" or "property damage" to which this insurance applies are alleged. "Suit" includes:

- a. An arbitration proceeding in which such damages are claimed and to which the insured must submit or does submit with our consent; or
- b. Any other alternative dispute resolution proceeding in which such damages are claimed and to which the insured submits with our consent.

13. "Work" means work or operations performed by the "contractor" including materials, parts or equipment furnished in connection with the work or operations.

14. "Your designated employee" means:

- a. Any supervisory employee of yours at the "job location";
- b. Any employee of yours while operating, attached to or engaged on work trains or other railroad equipment at the "job location" which are assigned exclusively to the "contractor"; or
- c. Any employee of yours not described in a. or b. above who is specifically loaned or assigned to the work of the "contractor" for the prevention of accidents or protection of property.



THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

CAP ON LOSSES FROM CERTIFIED ACTS OF TERRORISM

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
LIQUOR LIABILITY COVERAGE PART
OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
POLLUTION LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
RAILROAD PROTECTIVE LIABILITY COVERAGE PART
UNDERGROUND STORAGE TANK POLICY

If aggregate insured losses attributable to terrorist acts certified under the federal Terrorism Risk Insurance Act exceed \$100 billion in a Program Year (January 1 through December 31) and we have met our insurer deductible under the Terrorism Risk Insurance Act, we shall not be liable for the payment of any portion of the amount of such losses that exceeds \$100 billion, and in such case insured losses up to that amount are subject to pro rata allocation in accordance with procedures established by the Secretary of the Treasury.

"Certified act of terrorism" means an act that is certified by the Secretary of the Treasury, in concurrence with the Secretary of State and the Attorney General of the United States, to be an act of terrorism pursu-

ant to the federal Terrorism Risk Insurance Act. The criteria contained in the Terrorism Risk Insurance Act for a "certified act of terrorism" include the following:

1. The act resulted in insured losses in excess of \$5 million in the aggregate, attributable to all types of insurance subject to the Terrorism Risk Insurance Act; and
2. The act is a violent act or an act that is dangerous to human life, property or infrastructure and is committed by an individual or individuals as part of an effort to coerce the civilian population of the United States or to influence the policy or affect the conduct of the United States Government by coercion.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

EXCLUSION – SILICA

This endorsement modifies insurance provided under the following:

OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
RAILROAD PROTECTIVE LIABILITY COVERAGE PART
SPECIAL PROTECTIVE AND HIGHWAY LIABILITY POLICY –
NEW YORK DEPARTMENT OF TRANSPORTATION

This insurance does not apply to "bodily injury" or "property damage" arising out of or in any way related to the actual, alleged or threatened discharge, dispersal, emission, release, escape, handling, contact with, exposure to or inhalation or respiration of silica or products or substances containing silica. This includes, but is not limited to:

- a. Any supervision, instructions, recommendations, warnings or advice given or which should have been given in connection with the above; and
- b. Any obligation to share damages with or repay someone else who must pay damages because of such injury or damage.



THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

EXCLUSION – LEAD

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
OWNERS AND CONTRACTORS LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
RAILROAD PROTECTIVE LIABILITY COVERAGE PART
CATASTROPHE UMBRELLA POLICY

PROVISIONS

This insurance does not apply to any injury, damage, loss, cost, payment or expense, including, but not limited to, defense and investigation, of any kind arising out of, resulting from, caused by or contributed to by the actual or alleged presence or actual, alleged or threatened dispersal, release, ingestion, inhalation or absorption of lead, lead compounds or lead which is or was contained or incorporated into any material or substance. This exclusion applies, but is not limited to:

1. Any supervision, instructions, recommendations, warnings or advice given in connection with the above;
2. Any obligation to share damages, losses, costs, payments or expenses with or repay someone else who must make payment because of such injury or damage, loss, cost, payment or expense; or
3. Any request, order or requirement to abate, mitigate, remediate, contain, remove or dispose of lead, lead compounds or materials or substances containing lead.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

EXCLUSION — ASBESTOS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
RAILROAD PROTECTIVE LIABILITY COVERAGE PART
CATASTROPHE UMBRELLA POLICY

This insurance does not apply to "bodily injury," "property damage," "personal injury" or "advertising injury" arising out of the actual or alleged presence or actual, alleged or threatened dispersal of asbestos, asbestos fibers or products containing asbestos, provided that the injury or damage is caused or contributed to by the hazardous properties of asbestos. This includes:

- a. Any supervision, instructions, recommendations, warnings or advice given or which should have been given in connection with the above; and
- b. Any obligation to share damages with or repay someone else who must pay damages because of such injury or damage.



THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ILLINOIS CHANGES – CANCELLATION AND NONRENEWAL

This endorsement modifies insurance provided under the following:
RAILROAD PROTECTIVE LIABILITY COVERAGE PART

A. **Cancellation** (Section IV 3.) is replaced by the following:

1. **Cancellation**

- a. You may cancel this policy by mailing to us advance written notice of cancellation.
- b. We may cancel this policy by mailing written notice stating the reason for cancellation. If we cancel:
 - (1) For nonpayment of premium, we will mail the notice at least 10 days prior to the effective date of cancellation.
 - (2) For a reason other than nonpayment of premium, we will mail the notice at least 60 days prior to the effective date of cancellation.
- c. If this policy has been in effect for more than 60 days, we may cancel only for one or more of the following reasons:
 - (1) Nonpayment of premium;
 - (2) The policy was obtained through a material misrepresentation;
 - (3) Any insured has violated any of the terms and conditions of the policy;
 - (4) The risk originally accepted has measurably increased;
 - (5) Certification to the Director of Insurance of the loss of reinsurance by the insurer that provided coverage to us for all or a substantial part of the underlying risk insured; or
 - (6) A determination by the Director of Insurance that the continuation of the policy could place us in violation of the insurance laws of this state.
- d. We will mail our notice to you, your agent or broker, the "contractor", and any in-

involved government authorities or other contracting parties designated in the declarations, at the respective addresses last known to us.

- e. Notice of cancellation will state the effective date of cancellation. The policy period will end on that date.
- f. If this policy is cancelled, any unearned premium will be refunded. If we cancel, the refund will be pro rata. If you cancel, the refund may be less than pro rata. The cancellation will be effective even if we have not made or offered a refund.
- g. If notice is mailed, proof of mailing will be sufficient proof of notice.

B. The following is added and supersedes any provision to the contrary:

NONRENEWAL

If we decide not to renew or continue this policy, we will mail you and your agent or broker, the "contractor", and any involved government authority, written notice, stating the reason for non-renewal, at least 60 days before the end of the policy period. If we offer to renew or continue and you do not accept, this policy will terminate at the end of the current policy period. Failure to pay the required renewal or continuation premium when due shall mean that you have not accepted our offer.

If we fail to mail proper written notice of nonrenewal and you obtain other insurance, this policy will end on the effective date of that insurance.

C. **Mailing Of Notices**

We will mail cancellation and nonrenewal notices to the last addresses known to us. Proof of mailing will be sufficient proof of notice.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

WAR LIABILITY EXCLUSION

This endorsement modifies insurance provided under the following:

LIQUOR LIABILITY COVERAGE PART
POLLUTION LIABILITY COVERAGE PART
RAILROAD PROTECTIVE LIABILITY COVERAGE PART
UNDERGROUND STORAGE TANK POLICY

The following exclusion is added:

This insurance does not apply to:

WAR

Injury or damage, however caused, arising, directly or indirectly, out of:

- a. War, including undeclared or civil war; or
- b. Warlike action by a military force, including action in hindering or defending against an

actual or expected attack, by any government, sovereign or other authority using military personnel or other agents; or

- c. Insurrection, rebellion, revolution, usurped power, or action taken by governmental authority in hindering or defending against any of these.





**INTERLINE
ENDORSEMENTS**

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

FEDERAL TERRORISM RISK INSURANCE ACT DISCLOSURE

This endorsement applies to the insurance provided under the following:

COMMERCIAL EXCESS LIABILITY (UMBRELLA) INSURANCE
COMMERCIAL GENERAL LIABILITY COVERAGE PART
CYBERFIRST LIABILITY COVERAGE
ELECTRONIC MANUFACTURERS AND COMPUTER SERVICES ERRORS AND OMISSIONS
LIABILITY COVERAGE FORM
EMPLOYEE BENEFITS LIABILITY COVERAGE PART
EMPLOYMENT-RELATED PRACTICES LIABILITY COVERAGE PART
ENVIRONMENTAL HAZARD POLICY
EXCESS (FOLLOWING FORM) LIABILITY INSURANCE
LAW ENFORCEMENT LIABILITY COVERAGE PART
LIMITED ABOVE GROUND POLLUTION LIABILITY COVERAGE PART
LIQUOR LIABILITY COVERAGE PART
MEDFIRST PRODUCTS/COMPLETED OPERATIONS, ERRORS AND OMISSIONS, AND
INFORMATION SECURITY LIABILITY COVERAGE FORM
OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
POLLUTION LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
PUBLIC ENTITY MANAGEMENT LIABILITY COVERAGE PART
RAILROAD PROTECTIVE LIABILITY COVERAGE PART
SELF-INSURED EXCESS COMMERCIAL GENERAL LIABILITY COVERAGE FORM
SELF-INSURED EXCESS LIQUOR LIABILITY COVERAGE FORM
SELF-INSURED EXCESS EMPLOYEE BENEFITS LIABILITY COVERAGE FORM
SELF-INSURED EXCESS PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE FORM
SPECIAL PROTECTIVE AND HIGHWAY LIABILITY POLICY – NEW YORK DEPARTMENT OF
TRANSPORTATION
TRIBAL BUSINESS MANAGEMENT LIABILITY COVERAGE

PROVISIONS

On December 26, 2007, the President of the United States signed into law amendments to the Terrorism Risk Insurance Act of 2002 (the "Act"), which, among other things, extend the Act and expand its scope. The Act establishes a program under which the Federal Government may partially reimburse "Insured Losses" (as defined in the Act) caused by "acts of terrorism". An "act of terrorism" is defined in Section 102(l) of the Act to mean any act that is certified by the Secretary of the Treasury – in concurrence with the Secretary of State and the Attorney General of the United States – to be an act of terrorism; to be a violent act or an act that is dangerous to human life, property, or infrastructure; to have resulted in damage within the United States, or outside the United States in the case of certain air carriers or vessels or the premises of a United States Mission; and to have been committed by an individual or individuals as part of an effort to coerce the civilian population of the United States or to influence the policy or affect the conduct of the United States Government by coercion.

The Federal Government's share of compensation for Insured Losses is 85% of the amount of Insured Losses in excess of each Insurer's statutorily established deductible, subject to the "Program Trigger", (as defined in the Act). In no event, however, will the federal government or any Insurer be required to pay any portion of the amount of aggregate Insured Losses occurring in any one year that exceeds \$100,000,000,000, provided that such Insurer has met its deductible. If aggregate Insured Losses exceed \$100,000,000,000 in any one year, your coverage may therefore be reduced.

The charge for Insured Losses for each Coverage Part is included in the Coverage Part premium. The charge that has been included for each Coverage Part is indicated below, and does not include any charge for the portion of losses covered by the Federal Government under the Act.

- 1% of each applicable Commercial Liability Coverage premium.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

NUCLEAR ENERGY LIABILITY EXCLUSION ENDORSEMENT

(Broad Form)

This endorsement modifies insurance provided under the following:

COMMERCIAL AUTOMOBILE COVERAGE PART
COMMERCIAL GENERAL LIABILITY COVERAGE PART
FARM COVERAGE PART
LIQUOR LIABILITY COVERAGE PART
MEDICAL PROFESSIONAL LIABILITY COVERAGE PART
OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
POLLUTION LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
RAILROAD PROTECTIVE LIABILITY COVERAGE PART
UNDERGROUND STORAGE TANK POLICY

1. The insurance does not apply:

A. Under any Liability Coverage, to "bodily injury" or "property damage":

- (1) With respect to which an "insured" under the policy is also an insured under a nuclear energy liability policy issued by Nuclear Energy Liability Insurance Association, Mutual Atomic Energy Liability Underwriters, Nuclear Insurance Association of Canada or any of their successors, or would be an insured under any such policy but for its termination upon exhaustion of its limit of liability; or
- (2) Resulting from the "hazardous properties" of "nuclear material" and with respect to which (a) any person or organization is required to maintain financial protection pursuant to the Atomic Energy Act of 1954, or any law amendatory thereof, or (b) the "insured" is, or had this policy not been issued would be, entitled to indemnity from the United States of America, or any agency thereof, under any agreement entered into by the United States of America, or any agency thereof, with any person or organization:

B. Under any Medical Payments coverage, to expenses incurred with respect to "bodily injury" resulting from the "hazardous properties" of "nuclear material" and arising out of the operation of a "nuclear facility" by any person or organization.

C. Under any Liability Coverage, to "bodily injury" or "property damage" resulting from

"hazardous properties" of "nuclear material", if:

- (1) The "nuclear material" (a) is at any "nuclear facility" owned by, or operated by or on behalf of, an "insured" or (b) has been discharged or dispersed therefrom;
- (2) The "nuclear material" is contained in "spent fuel" or "waste" at any time possessed, handled, used, processed, stored, transported or disposed of, by or on behalf of an "insured"; or
- (3) The "bodily injury" or "property damage" arises out of the furnishing by an "insured" of services, materials, parts or equipment in connection with the planning, construction, maintenance, operation or use of any "nuclear facility", but if such facility is located within the United States of America, its territories or possessions or Canada, this exclusion (3) applies only to "property damage" to such "nuclear facility" and any property thereat.

2. As used in this endorsement:

"Hazardous properties" includes radioactive, toxic or explosive properties.

"Nuclear material" means "source material", "special nuclear material" or "by-product material".

"Source material", "special nuclear material", and "by-product material" have the meanings given them in the Atomic Energy Act of 1954 or in any law amendatory thereof.

"Spent fuel" means any fuel element or fuel component, solid or liquid, which has been used or exposed to radiation in a "nuclear reactor".

"Waste" means any waste material (a) containing "by-product material" other than the tailings or wastes produced by the extraction or concentration of uranium or thorium from any ore processed primarily for its "source material" content, and (b) resulting from the operation by any person or organization of any "nuclear facility" included under the first two paragraphs of the definition of "nuclear facility".

"Nuclear facility" means:

- (a) Any "nuclear reactor";
- (b) Any equipment or device designed or used for (1) separating the isotopes of uranium or plutonium, (2) processing or utilizing "spent fuel", or (3) handling, processing or packaging "waste";
- (c) Any equipment or device used for the processing, fabricating or alloying of "special nuclear material" if at any time

the total amount of such material in the custody of the "insured" at the premises where such equipment or device is located consists of or contains more than 25 grams of plutonium or uranium 233 or any combination thereof, or more than 250 grams of uranium 235;

- (d) Any structure, basin, excavation, premises or place prepared or used for the storage or disposal of "waste";

and includes the site on which any of the foregoing is located, all operations conducted on such site and all premises used for such operations.

"Nuclear reactor" means any apparatus designed or used to sustain nuclear fission in a self-supporting chain reaction or to contain a critical mass of fissionable material.

"Property damage" includes all forms of radioactive contamination of property.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ILLINOIS CHANGES – DEFENSE COSTS

This endorsement modifies insurance provided under the following:

COMMERCIAL AUTOMOBILE COVERAGE PART
COMMERCIAL GENERAL LIABILITY COVERAGE PART
COMMERCIAL LIABILITY UMBRELLA COVERAGE PART
COMMERCIAL PROPERTY COVERAGE PART – LEGAL LIABILITY COVERAGE FORM
COMMERCIAL PROPERTY COVERAGE PART – MORTGAGEHOLDERS ERRORS AND OMISSIONS
COVERAGE FORM
EMPLOYMENT-RELATED PRACTICES LIABILITY COVERAGE PART
FARM COVERAGE PART
FARM UMBRELLA LIABILITY POLICY
LIQUOR LIABILITY COVERAGE PART
MEDICAL PROFESSIONAL LIABILITY COVERAGE PART
OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
POLLUTION LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
PRODUCT WITHDRAWAL COVERAGE PART
RAILROAD PROTECTIVE LIABILITY COVERAGE PART
UNDERGROUND STORAGE TANK COVERAGE PART

- A. The provisions of Paragraph B. are added to all Insuring Agreements that set forth a duty to defend under:
1. Section I of the Commercial General Liability, Commercial Liability Umbrella, Employment-Related Practices Liability, Farm, Liquor Liability, Owners And Contractors Protective Liability, Pollution Liability, Products/Completed Operations Liability, Product Withdrawal, Medical Professional Liability, Railroad Protective Liability, Underground Storage Tank Coverage Parts and the Farm Umbrella Liability Policy;
 2. Section II – Liability Coverage in Paragraph A. Coverage under the Business Auto, Garage, Motor Carrier and Truckers Coverage Forms;
 3. Section A. Coverage under the Legal Liability Coverage Form; and
 4. Coverage C – Mortgageholder's Liability under the Mortgageholders Errors And Omissions Coverage Form.
- B. If we initially defend an insured ("insured") or pay for an insured's ("insured's") defense but later determine that the claim(s) is (are) not covered under this insurance, we will have the right to reimbursement for the defense costs we have incurred.
- The right to reimbursement for the defense costs under this provision will only apply to defense costs we have incurred after we notify you in writing that there may not be coverage, and that we are reserving our rights to terminate the defense and seek reimbursement for defense costs.

POLICYHOLDER NOTICES





POLICYHOLDER NOTICES

IMPORTANT NOTICE – INDEPENDENT AGENT AND BROKER COMPENSATION

NO COVERAGE IS PROVIDED BY THIS NOTICE. THIS NOTICE DOES NOT AMEND ANY PROVISION OF YOUR POLICY. YOU SHOULD REVIEW YOUR ENTIRE POLICY CAREFULLY FOR COMPLETE INFORMATION ON THE COVERAGES PROVIDED AND TO DETERMINE YOUR RIGHTS AND DUTIES UNDER YOUR POLICY. PLEASE CONTACT YOUR AGENT OR BROKER IF YOU HAVE ANY QUESTIONS ABOUT THIS NOTICE OR ITS CONTENTS. IF THERE IS ANY CONFLICT BETWEEN YOUR POLICY AND THIS NOTICE, THE PROVISIONS OF YOUR POLICY PREVAIL.

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IMPORTANT NOTICE – COMPLAINTS – ILLINOIS

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If you are having problems you may contact your insurance agent directly or you may contact the company at:

Mail: Consumer Affairs
One Tower Square, 5MS
Hartford, CT 06183

Phone: (860) 277-1561 or

Email: consumeraffairs@travelers.com

The address of the consumer complaint division of the Illinois Division of Insurance is:

IDFRP Division of Insurance
Consumer Division
320 W Washington St
Springfield, IL 62767

Complaints may also be filed electronically to the Illinois Division of Insurance at <http://www.idfpr.com/DOI/Main/consumer.asp>



POLICYHOLDER NOTICE — LEAD

Dear Policyholder:

Lead has become a difficult problem for society as a whole and the insurance industry in particular.

As a consequence, we are attaching a lead exclusion to our liability policies based upon age and occupancy of buildings. Your policy contains this exclusion.

If you have questions about your insurance program, please contact your agent or local Company representative.

