NOTICE TO BIDDERS, SPECIFICATIONS, CONTRACT AND CONTRACT BOND

FOR
HIGHWAY IMPROVEMENT
County of Cook, Illinois

Toni Preckwinkle
Cook County Board President

John Yonan, P.E.
Superintendent
Cook County Department of
Transportation and Highway

Shannon E. Andrews
Acting Chief Procurement Officer

Letting: February 13, 2013

GROUP 1 - 2013

CENTRAL AVENUE – 135th Street to 127th Street SECTION: 12-W3913-04-RS Route W39

CENTRAL AVENUE – Over Tinley Creek SECTION: 12-W3913-03-BR Route W39

151st STREET @ JACK HILLE MIDDLE SCHOOL SECTION: 12-B5626-02-TL Route B56

104th AVENUE SOUTH OF 167th STREET SECTION: 12-W2508-01-DR Route W25

COOK COUNTY PROCUREMENT CONTRACT NO.: 13-23-022

NOTICE TO PROSPECTIVE BIDDERS: BIDDERS MUST RETURN THE ENTIRE BID

The Specifications can be downloaded at http://198.65.148.209/purchasing/public/index.php (follow online instructions to register, if you have not already). When the plans are not included in the bid document, you must download the Plans (Drawings) at ftp://130.94.31.166/ (user name: highway; password ftpt3st)

Pre-Bid Meeting: Wednesday, January 30, 2013
Cook County Department of Transportation and Highway
69 W. Washington Street, Suite 2260
Chicago, Illinois 60602

All questions are due on **Friday, February 1, 2013**, no later than 3:00pm Chicago time

Send all questions via e-mails to: edmund.rendon@cookcountyil.gov

Bid Submitted by:

☑ Bid Bond is included ☐ A Cashier's Check or a Certified Check is Included

Name D. Construction, Inc. Phone No. 815-634-2555

Address 1488 S. Broadway

City Coal City State IL Zip Code 60416

THE BOARD OF COMMISSIONERS
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COUNTY OF COOK
BUREAU OF FINANCE

OFFICE OF THE CHIEF PROCUREMENT OFFICER

SHANNON E. ANDREWS
ACTING CHIEF PROCUREMENT OFFICER
County Building
118 North Clark Street, Room 1018
Chicago, Illinois 60602-1304
TEL: (312) 603-5370

February 8, 2013

ADDENDUM NO. 1

Cook County Contract No. 13-23-022

GROUP 1 – 2013
CENTRAL AVENUE – 135th Street to 127th Street SECTION: 12-W3913-04-RS Route W39
CENTRAL AVENUE – Over Tinley Creek SECTION: 12-W3913-03-BR Route W39
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104th AVENUE SOUTH OF 167th STREET SECTION: 12-W2508-01-DR Route W25

This Addendum No. 1 revises the Bid documents and is issued to bidders of record prior to execution of contract and forms a part of contract documents and modifies previously issued bid documents. Insofar as previously issued bid documents are inconsistent with modifications indicated by this Addendum No. 1, modifications indicated by this Addendum No. 1 shall govern. Where any part of the bid documents are modified by this Addendum No. 1, all unaltered provisions shall remain in effect.

This Addendum No. 1 provides 70 (seventy) pages revised contract pages and Pre-Bid Sign-In Sheets. Please take this information into consideration on your proposal. Please acknowledge this addendum in your proposal.

1. **000 CHECKLIST (8 pages)**
   Add – Special Provision 202 National Pollutant Discharge Elimination System (NPDES)
   Add - Special Provision 404 Waterproofing Membrane (Special)

2. **SPECIAL PROVISION 202 – NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) (31 pages)**
   Added

3. **SPECIAL PROVISION 404 – WATERPROOFING MEMBRANE (SPECIAL) (6 pages)**
   Added

4. **SCHEDULE OF PRICES (6 pages)**
   Changed - Order number of all Pay Items
   Revised - Several quantities
   Added - 2 new pay items Aggregate Base Course, Type B, 8 Inch & Aggregate Base Course, Type B, 10 Inch
   Renamed - 1 Pay Item from Waterproofing Membrane, to Waterproofing Membrane (Special)

5. **SUMMARY OF QUANTITY SHEET 2R (1 page)**
   Updated - SOQ sheet to reflect changes to SOP

6. **GENERAL NOTES SHEET 4R (1 page)**
   Added - Maintenance of Traffic Notes
   Deleted - Typical Cross-section Notes

7. **TYPICAL CROSS-SECTION SHEET 5R (1 page)**
   Added - Typical Cross-section Notes
   Revised - Legend Item

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8. **PLAN SHEET 6R & 7R (2 pages)**
   Revised - Description of Work
   Various Changes - To the Plan Sheets (Clarified Pavement Replacement, Mill & Resurfacing, Driveway reconstruction & Pavement Recycling limits)
   Eliminated - P.C.C. pads to be constructed

9. **PAVEMENT MARKING PLAN SHEETS 8R & 9R (2 pages)**
   Various changes - Eliminated mid-block striped cross-walks

10. **DRAINAGE SHEET 20R (1 page)**
    Revised Quantity - Concrete Collar
    Revised Quantities - Pipe Culvert Type 1, 12 inch & 15 inch
    Revised Quantity - Catch Basin Type C. Quantity is now 14
    Added Item - Catch Basin Type A2
    Revised Quantity - Valve Boxes to be adjusted
    Revised Quantity- Valve Vaults to be adjusted
    Revised Quantity - Trench Backfill
    Revised - General Notes
    All token items have been shown with asterisks on Plan Sheet

11. **DRAINAGE SHEET 21R (1 page)**
    Revised - All MH lids to Type 1C
    Revised - Note #2
    Revised - Callout lengths for 12 inch PCT1 and 15 inch PCT1
    Revised - Structure #3 from MH Type A w/ Type 8 grate to CB A2-48-8
    Added - Concrete Collar Note

12. **DRAINAGE SHEET 22R (1 page)**
    Changed - All MH lids to Type 1C
    Corrected - Callout info for CB's and MH's
    Revised - Pipe Culvert Removal (Typo)

13. **STRUCTURES SHEET 24R (1 page)**
    Removed - Pay Item Waterproofing Membrane System
    Added – Pay Item Waterproofing Membrane (Special)

14. **STRUCTURES SHEET 25R (1 page)**
    Revised - Plan Sheet to reflect the new pay item description for Waterproofing Membrane (Special)

15. **STRUCTURES SHEET 26R (1 page)**
    Changed – Waterproofing Membrane Details

16. **PRE-BID SIGN IN SHEET (2 pages)**
    Attached

17. **CONTRACTOR SUBMITTED QUESTIONS:**

    17a. "Is there an overlapping of the quantities on the Pavement Replacement and the Driveway Surface Removal (and replacement)?"

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Answer: Quantities did overlap, but are being revised to reflect separation of driveways to be simply milled and resurfaced and those to be completely reconstructed. Pavement replacement will strictly pertain to street returns where drainage work is involved

17b. Layout has a bid quantity of 2 lump sums. Can one possibly be deleted? Reason is, one area is going to cost more than the other and we can't reflect it in the unit price.
Answer: Lump Sum quantity has been revised to be a quantity of 1.

17c. Traffic Control has a quantity of 3 Lump Sums. Same as Questions #4 above.
Answer: Lump Sum quantities have been revised to be a quantity of 1.

DRAINAGE

17d. "Several Structures are missing the call out for the type of casting required"
Answer: Plans were revised to incorporate the types of grates and frames and lids to be used.

17e. "There is a call out for a Type B casting. No detail or Neenah number given"
Answer: Type B was a typo and the plans have been revised to reflect the use of a Type 8 grate at this structure callout.

17f. "Two structures are called out as CB TA (24" DIA)
Answer: Plans have been revised to correctly denote a Catch Basin Type C as the 2 foot structure being used.

17g. "Bid quantities and take-off quantities for several drainage items are different"
Answer: Quantities have been revised and updated

17h. "With the difference in elevation between the mainline sewer and invert of the CB's that connect with a WYE, a bend will need to be added to the lateral so the boot in the structure does not have to be removed."
Answer: Wyes & Bends needed are included in the cost of storm sewers (PVC). Note #2 has been revised on Sheet 21R.

17i. "Is trench backfill measured and paid (IDOT standard) for from spring line of pipe to bottom of subgrade? Detail is on plan sheet 41."
Answer: Yes, See Note #1 on Sheet 21R

STRUCTURES

17j. Bituminous Removal on the deck 2.5" calls out that we can't mill it since there is Membrane, is this true? Or Radiant Heat? We would do more damage trying to excavate it.
Answer: Existing hot-mix asphalt can be milled off along with the waterproofing membrane. The contractor shall take care and precautions as not to damage or scarify the concrete deck. The contractor shall submit removal method to the resident engineer for approval. The Radiant Heat method is not an approved method and should not be used.

17k. The plans have a detour for the southbound deck work while the northbound lane stays open on Central Ave between 127th and 135th St., (Sheet 3 of 89). What is the duration of the detour and how is the northbound side of the deck lanes repaired?

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Answer: The duration of the detour will be from the commencement of the project to the completion of the project. When the repairs on the southbound lane are completed, the northbound traffic will be shifted onto the southbound lanes to allow work on the northbound lanes to be completed.

Transportation and Planning

17l. Thermoplastic Pavement Marking Letters & Symbols pay unit is Foot – Should it be SQ.FT. ?
Answer: Yes. Unit for said quantity has been revised to Sq. Ft.

CONSTRUCTION

17m. Can we close the road off to all traffic for a day to install all of the Waterproofing Membrane and asphalt?
Answer: A full road closure would require contractor to provide a posted detour route similar to the route shown in plans at no extra cost to the Department. Said detour route would need to be approved prior to the start of work.

COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAY
SPECIAL PROVISION CHECK LIST

EFFECTIVE January 10, 2013 V 2013.1

GROUP 1-2013: Central Avenue-135th Street to 127th Street, Section 12-W3913-04-RS; 151st Street at Jack Hille Middle School, Section 12-B5626-02-TL AND Central Avenue Over Tinley Creek, Section 12-W3913-03-BR

	No.	Description	Origin and Date Last Revised
X	1	Definition of Terms, Information for Bidders	(CC) Nov. 15, 2012
X	2	Bidding Requirements and Conditions For Contract Proposals	(IL-CC) Nov. 15, 2012
X	3	* Pre-Bid Meeting	(CC) Dec. 28, 2012
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	8a	* Required Disadvantaged Business Participation (DBE)	(IL-CC) Nov. 15, 2012
	8b	*MBE/WBE Business Participation	(CC) Jan. 26, 2012
X	9	Specific Equal Employment Opportunity Responsibilities (Non-Federal Aid)	(IL-CC) Nov. 15, 2012
X	10	Insurance Requirements	(CC) Nov. 15, 2012
	10a	Township Insurance Requirements	(CC) Nov. 15, 2012
	11	* Railroad Protective Liability Insurance	(IL-CC) Dec. 28, 2011
X	12a	Indemnification for Cook County	(CC) Dec. 28, 2011
X	12b	Indemnification (Locals)	(CC) Jan. 23, 2012
X	13	Joint Venture Forms	(CC) Nov. 15, 2012
X	14	Addendum Receipt	(CC) Dec. 28, 2009
	15	ARRA Provisions	(IL) Current
X	16	* Combination Bidding Process	(IL-CC) Nov. 15, 2012
X	17	Prompt Pay Mechanisms	(CC) Nov. 15, 2012
X	23	Contract Claims	(IL-CC) Mar. 19, 2012
X	24	Pre-Construction Conference	(CC) Mar. 18, 1980
X	25	Mobilization	(CC) Oct. 20, 2009
X	26	Contract Extra Work	(CC) Dec. 24, 2012
X	27	Construction Air Quality Diesel Vehicle Emissions Control (Green Construction Ordinance)	(CC) Dec. 1. 2009
X	28	Processing of Extra Work Payment Requests	(CC) Dec. 24, 2012
X	29	Construction Layout Stakes and Survey Control Points	(CC) July 1, 2012
	30	* Municipal Coordination/Transfer of Jurisdiction and/or Maintenance	(CC) July 15, 2000
X	31	Engineer's Field Office	(CC) July 1, 2012
X	32	Construction Debris	(CC) July 1, 2006
	33	*Clean Construction and Demolition Debris	(CC) July 1, 2012

	No.	Description	Origin and Date Last Revised
	45	Portland Cement Concrete Pavement	(CC) July 1, 2012
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 (10Inch)	(CC) Jan 1, 2008
	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 Concrete Overlay	(CC) Jan. 1, 2007
X	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
	58	Pavement Thickness Deficiency	(CC) Mar. 1, 2008
X	59	Survey Monuments	(CC) April 1, 2008
	60	Soils Information	(CC) July 1, 2012
	61	Stockpiled Embankment	(CC) July 1, 2012
X	62	Borrow Excavation	(CC) July 1, 2000
X	63	Crushed Stone (Temporary Use)	(CC) Jan 1, 2008
	64	Aggregate Subgrade, (12 INCH)	(IL) Current
	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
	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) January 1, 2008
X	72	Cutting Hot-Mix Asphalt Surface	(CC) Jan. 1, 2008
X	73	Hot-Mix- Asphalt Driveway Surface Removal	(CC) July 1, 2012
X	74	Temporary Butt Joints	(CC) Jan. 1, 2008
	75	Hot-Mix Asphalt Stabilized Sub base	(CC) Jan. 1, 2008
	76	Hot-In-Place Asphalt Recycling by the Heater Scarifying Overlay Method	(CC) July 1, 2011
	77	Treatment of Cracks	(CC) Jan. 1, 2008
	78	Strip Reflective Crack Control Treatment, Special	(CC) May 1, 2003
X	79	Cold Recycled In-Place Bituminous Base Course	(CC) Oct. 1, 2009
	80	Temporary By-Pass Pavement (Non-Federal Aid)	(CC) Jan 1, 2008
	81	Temporary By-Pass Pavement (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	
X	117	Approach Slab Repair	(IL-CC) Oct. 4, 2011
	118	Asbestos Waterproofing Membrane & Asbestos Hot-Mix-Asphalt Surface Removal (BDE)	(IL) Current
	119	Not Used	
	120	Segmental Concrete Block Walls	(IL) Current
	121	Temporary Soil Retention System	(IL) Current
	122	Steel Structures	(CC) Nov. 21, 2007
	123	Not Used	
	124	Cleaning and Painting Existing Steel Structures	(IL) Current
	125	Containment and Disposal of Lead Paint Cleaning Residues	(IL) Current
	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) Current
	129	Grating	(CC) Aug. 19, 2011
	130	Silicone Bridge Joint Sealer	(IL) Current
	131	Not Used	
X	132	Deck Slab Repair	(IL) Current
	133	Bridge Deck Latex Concrete Overlay	(IL) Current
	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) Current
	139	Temporary Sheet Piling	(IL) Current
	140	Precast Concrete Junction Chambers	(CC) Nov. 1, 2007
	141	Jack and Remove Existing Bearings	(IL) Current
	142	Jacking Existing Superstructure	(IL) Current
	143	Junction Chamber	(CC) Jan. 1, 2007
	144	Neoprene Expansion Joint Removal	(CC) Oct. 10, 1995
X	145	Structural Repair of Concrete	(IL) Current
	146	Polymer Modified Portland Cement Mortar	(IL) Current
	147	Concrete Wearing Surface for Use With Deck Beams	(IL) Current
	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

	No.	Description	Origin and Date Last Revised
	157	Water Main for Installation in the City of Chicago	(CC) Dec. 21, 2009
	158	Frames, City Electric in the City of Chicago	(CC) July 1, 2012
	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 Installation in the City of Chicago	(CC) Dec. 1, 2009
	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) July 1, 2012
	168	Connecting Existing Field Drain Tile	(CC) July 1, 2012
	169	Plugging Existing Drains and Sewers	(CC) Dec. 1, 2007
	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	Not Used	
	173	Manholes, Type A, with Restrictor Plate, Frames and Lids	(CC) July 1, 2012
	174	Not Used	
X	175	Lids and Frames and Lids	(CC) Dec. 1, 2007
	176	Frames and Lids to be Adjusted, Special	(CC) Dec. 21, 2009
	177	Headwall Inlet and Grate	(CC) July 1, 2012
X	178	Flared End Sections to be Removed, Flared End Sections to be Relocated	(CC) Dec. 30, 2008
	179	Bracing and Sheeting	(CC) Dec. 1, 2007
X	180	Pavement Replacement	(CC) July 1, 2011
	181	Duck Bill Elastomeric Check Valve	(CC) July 1, 2012
	182	Catch Basin Oil and Debris Hoods	(CC) July 1, 2012
X	183	Frames and Lids to be Adjusted, Special (Pavement Recycling)	(CC) January 1, 2013
	184	Not Used	
X	185	* Cooperation With Utilities	(CC) Feb. 10, 2012
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
	190	Water Main Installation	(CC) Dec. 1, 2009
	191	Fire Hydrants Vertical Adjustment	(CC) Dec. 21, 2009
	192	Sanitary Sewer Installation	(CC) July 1, 2012
	193	Sanitary Manholes	(CC) Dec. 21, 2009

	No.	Description	Origin and Date Last Revised
X	194	Waterproofing of Existing Sanitary Manholes	(CC) July 1, 2012
	195-199	Not Used	
	200	Cleaning Existing Manholes, Catch Basins or Inlets and Cleaning Existing Storm Sewer and Pipe Culverts	(CC) Dec. 1, 2008
	201	Not Used	
X	202	* National Pollutant Discharge Elimination System	(CC) January 1, 2012
	203	Not Used	
	204	Maintaining Drainage and Stream Protection	(CC) Dec. 1, 2007
	205	Storm Water Pollution Separation System	(CC) July 1, 2012
	206	Storm Water Pollution Separation System (SPECIAL)	(CC) Dec. 1, 2007
	207	Storm Water Pollution Separation System (In-Line)	(CC) July 1, 2012
	208-210	Not Used	
	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
	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 Surveillance	(IL) Current
X	228	Traffic Control Devices – Detour Routing	(CC) July 1, 2012
	229	Modified Urethane Pavement Marking (BDE)	(IL) Current
	230	Sign Identification Decal	(CC) Jan. 1, 2012
X	231	Traffic Protection	(CC) July 1, 2012
	232-235	Not Used	
X	236	Project Signs Plaque	(CC) December 1, 2009
	237	Eradication of Existing Pavement Marking	(CC) Dec. 1, 2009
	238	Raised Reflective Pavement Marker	(IL-CC) July 1, 2012
	239-240	Not Used	
X	241	Traffic Signal Work General	(ILD1CC) June 1, 2012
	242	Construction at Railroad Crossing	(CC) June 1, 2012
	243	Signal Head, Optically Programmed Signal Head and Pedestrian Signal Head	(CC) June 1, 2012
X	244	Light Emitting Diode (LED) Traffic Signal	(ILD1CC) June 1, 2012
X	245	Light Emitting Diode (LED) Pedestrian Countdown Signal Head	(ILD1CC) June 1, 2012
X	246	Traffic Signal Backplate	(ILD1CC) June 1, 2012
	247	Illuminated Sign, Light Emitting Diode	(ILD1CC) June 1, 2012
X	248	Traffic Signal Post, Pedestrian Pushbutton Post	(ILD1CC) June 1, 2012

	No.	Description	Origin and Date Last Revised
X	249	Steel Mast Arm Assembly and Pole and/or Steel Combination Mast Arm Assembly and Pole	(ILD1CC) June 1, 2012
X	250	Traffic Actuated Controller, Traffic Actuated Controller with Cabinet, Inductive Loop Detector	(ILD1CC) June 1, 2012
	251	Master Controller	(ILD1CC) June 1, 2012
X	252	Detector Loop	(ILD1CC) June 1, 2012
	253	Video Detection System For Temporary Traffic Signal Installation	(CC) June 1, 2012
X	254	Pedestrian Pushbutton	(ILD1CC) June 1, 2012
X	255	Conduit	(IL-CC) June 1, 2012
X	256	Collable Non-Metallic Conduit	(ILD1CC) June 1, 2012
X	258	Electric Cable	(ILD1CC) June 1, 2012
	259	Railroad Interconnect Cable	(ILD1CC) June 1, 2012
	260	Fiber Optic Cable	(ILD1CC) June 1, 2012
X	261	System Ground and Grounding Cable	(ILD1CC) June 1, 2012
	262	Grounding Existing Handhole Frame and Cover	(ILD1) Current
X	263	Service Installation, Pole Mounted	(ILD1CC) June 1, 2012
	264	Service Installation, Ground Mounted	(ILD1CC) June 1, 2012
	265	* Electric Service	(CC) June 1, 2012
X	266	Handhole	(ILD1CC) June 1, 2012
	267	Rebuild Existing Handhole, Rebuild Existing Heavy Duty Handhole, Rebuild Existing Double Handhole	(CC) June 1, 2012
X	268	Concrete Foundation	(ILD1CC) June 1, 2012
	269	Modify Existing Type "D" Foundation	(CC) June 1, 2012
X	270	Remove Existing Traffic Signal Equipment	(ILD1CC) June 1, 2012
	271	Temporary Traffic Signal Installation	(ILD1CC) June 1, 2012
X	272	Maintenance of Existing Traffic Signal Installation	(ILD1CC) June 1, 2012
	273	Emergency Vehicle Priority System	(ILD1CC) June 1, 2012
	274	Relocate Existing Emergency Vehicle Priority System, Detector Unit	(CC) June 1, 2012
	275	Relocate Existing Emergency Vehicle Priority System, Phasing Unit	(CC) June 1, 2012
	276	Confirmation Beacon System	(CC) June 1, 2012
	277	Re-Optimize Traffic Signal System	(ILD1CC) June 1, 2012
	278	Optimize Traffic Signal System	(ILD1CC) June 1, 2012
	279	Median Removal and Replacement	(CC) June 1, 2012
X	280	Sidewalk Removal and Replacement	(CC) June 1, 2012
	281	Relocate Existing Light Standard and Luminaire Complete in Place	(CC) June 1, 2012
	282	Maintenance Of Lighting System	(ILD1CC) June 1, 2012
	283	City Electric Manholes to be Adjusted	(CC) June 1, 2012

	No.	Description	Origin and Date Last Revised
	284	Uninterruptible Power Supply (UPS)	(ILD1CC) June 1, 2012
	285	Traffic Signal Cabinet Load Switch	(CC) June 1, 2012
	286	Temporary Traffic Signal Timings	(ILD1CC) June 1, 2012
	287	Combination Lighting and Traffic Signal Service Installation, Pole Mounted	(CC) June 1, 2012
	288	Illuminated Street Name Sign	(ILD1CC) June 1, 2012
	289	Relocate Existing Illuminated Street Name Sign	(CC) June 1, 2012
X	290	Video Detection System, Single Camera Processor Video Detection	(CC) June 1, 2012
	291	Video Detection System, Complete Intersection	(CC) June 1, 2012
X	293	Uninterruptible Power Supply Without Cabinet	(CC) June 1, 2012
	294	Modifying Existing Controller Cabinet	(ILD1CC) June 1, 2012

Additional Inserted Special Provisions (As Required)

- 004a Prevailing Wages for Cook County
- 185a Status of Utilities to be Adjusted
- 400 Use of Recycled Asphalt Pavement (District 1)
- 401 Hot Mix Asphalt Surface Removal (Deck)
- 402 Right-Of-Way Parcels Not Acquired
- 403 Surface Testing of Hot-Mix Asphalt Overlays
- 404 Waterproofing Membrane (Special)

Additional Document Inclusions (Required)

*0 01	Cover Sheet	(CC) Nov. 15, 2012
*0 02	Notice Sheet	(CC) Nov. 15, 2012
*C	Proposal Sheet	(CC) Jan 1, 2008
*E	Economic Disclosure Statement	(CC) Jan. 25, 2012
	Instructions, *DBE Documents, Contractor Certifications, Economic and Other Disclosures, *Contractor's Certificate Concerning Labor Standards, *Sub-Contractor's Certificate Concerning Labor Standards, Execution Pages	
F	Surety's Statement Of Qualification for Bonding	(CC) June 2, 2011
*G1	Trust Agreement	(CC) Nov. 15, 2012
*H	Performance and Payment of Bond Form	(CC) June 9, 2011
*I	Contract	(CC) Nov. 15, 2012
*J	Schedule of Prices Sheets	(CC) Dec. 28, 2011
*K	Proposal Bid Bond	(CC) Nov. 15, 2012
*L	Bid Deposit Form	(CC) Nov. 15, 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) Current	Initiated by Illinois Department of Transportation
(ILD1) Current	Initiated by Illinois Department of Transportation District 1
(IL-CC)	Initiated by the Illinois Department of Transportation and amended by Cook County Highway Department
(ILD1-CC)	Initiated by Illinois Department of Transportation District 1 and amended by Cook County Highway Department

Initiating Bureau/Division	Cook County Highway Department Special Provision Catalog Number
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

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 Department of Transportation and Highways 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. 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 Transportation and 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

217/782 -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

Alan Keller, P. E.
Manager, Permit Section
Division of Water Pollution Control

Enclosure

AK:MED:\MS4 Coverage Letter cc: Records Unit Des _Plaines

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

Alan Keller, P.E.
Manager, Permit Section
Division of Water Pollution Control

ILR40.wpd

CONTENTS OF THIS GENERAL PERMIT

PART I. COVERAGE UNDER THIS PERMIT ..... Page 2
PART II. NOTICE OF INTENT REQUIREMENTS ..... Page 3
PART III. SPECIAL CONDITIONS ..... Page 4
PART IV. STORM WATER MANAGEMENT PROGRAMS ..... Page 5
PART V. MONITORING, RECORDKEEPING AND REPORTING ..... Page 9
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

1. 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.

2. 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).

3. 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

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.constilr10swppp@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.constlr10swppp@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.constlr10swppp@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 controls 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 discharges. 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

Permit No. ILR10 _____

OWNER INFORMATION

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.constilr10swppp@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: _____

IL 532 2194 WPC 623
Rev 5/10

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.

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.

Permit No. ILR10 _____

OWNER INFORMATION

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: _____ (Deg) _____ (Min) _____ (Sec) Longitude: _____ (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

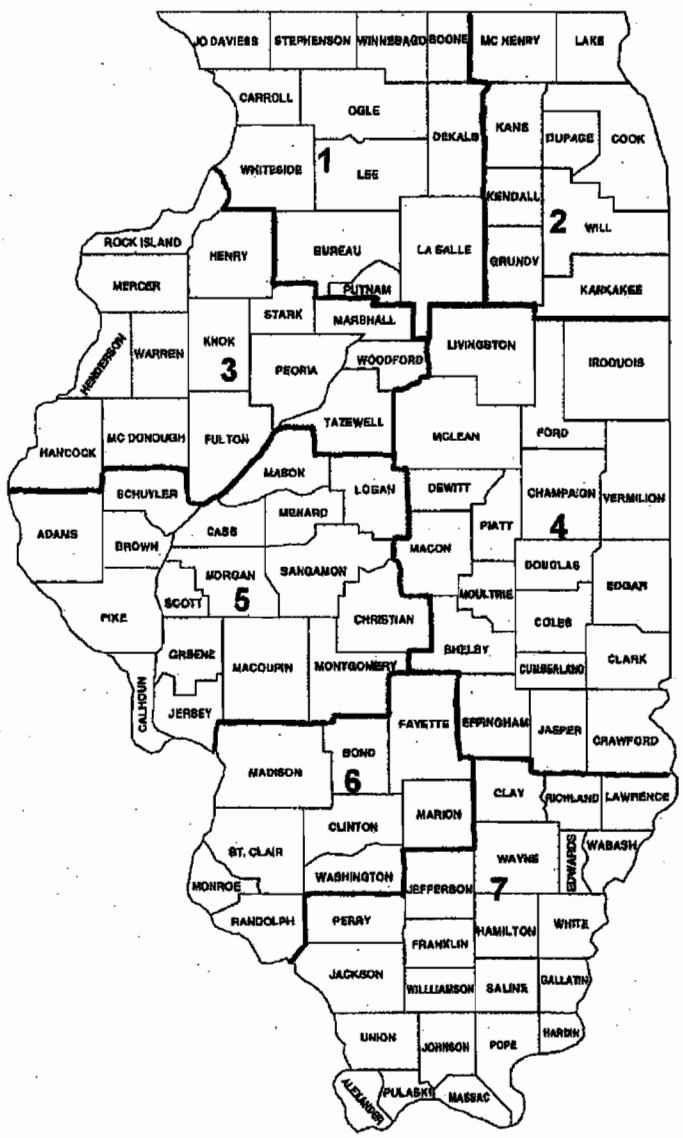
Region 3 - PEORIA
Jim Kammueller, Manager
Phone: 309/693-5463 Fax: 309/693-5467

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 Transportation
and Highways

John Yonan, P.E.
Superintendent of Transportation and 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 Transportation
and Highways

John Yonan, P.E.
Superintendent of Transportation and 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:

☐ Pre-Construction Plan Review	☐ Trenching	☐ Other: _____
☐ Clearing and Grubbing	☐ Sewer Installation	☐ _____
☐ Rough Grading	☐ Paving	☐ _____
☐ Finishing Grade	☐ Final Stabilization	☐ _____

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: _____ (date/time)
Describe correction to be made by Contactor:

Location: _____ Type of BMP: _____ Repair must occur by: _____ (date/time)
Describe correction to be made by Contactor :

Location: _____ Type of BMP: _____ Repair must occur by: _____ (date/time)
Describe correction to be made by Contactor:

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 Transportation
and Highways
DEPARTMENT OF HIGHWAYS

John Yonan, P.E.
Superintendent of Transportation and 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

1/4/13
Date

Superintendent of Transportation and Highways
Title

Road Name: **Central Avenue**
Limits: **135th Street to 127th Street**
Section Number: **12-W3913-04-RS**
Location: **Crestwood, IL**
County: **Cook**

---

1. SITE DESCRIPTION

The following is a description of the construction activity which is the subject of this plan:

THIS IS A QUALITY CONTROL/QUALITY ASSURANCE (QA/QC) PROJECT UTILIZING HOT-MIX ASPHALT (HMA) MIXTURES. IT IS THE INTENT OF THIS IMPROVEMENT TO COLD IN-PLACE RECYCLE THE EXISTING POZZOLANIC BASE TO A DEPTH OF 8 IN. ALONG CENTRAL AVENUE. THE EXISTING HMA PAVEMENT WILL BE MILLED TO A DEPTH OF 4 IN. AND THE RECYCLED BASE AND SHOULDERS OVERLAID WITH 2 1/4 HOT-MIX ASPHALT BINDER COURSE, AND 1 3/4 IN. ASPHALT SURFACE COURSE. ALSO INCLUDED WILL BE PAVEMENT STRIPING, STEEL PLATE BEAM GUARDRAIL REMOVAL, CURB AND GUTTER REMOVAL AND REPLACEMENT, DRIVEWAY APRON RESURFACING, DRAINAGE ADDITIONS AND ADJUSTMENTS INCLUDING STORM SEWER, DITCH REGRADING, PARKWAY AND DITCH RESTORATION WITH SODDING AND TOPSOIL, SOIL EROSION AND SEDIMENT CONTROL BMPS, DETOUR ROUTING AND TRAFFIC PROTECTION.

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 10 (acres).
The total area of the site expected to be disturbed by excavation, grading, or other soil breaking activities is 2 (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

- **Watseka loamy fine sand, 0 to 2 percent slopes (Map Unit 49A)**
- **Martinton silt loam, 0 to 2 percent slopes (Map Unit 189A)**
- **Wauconda silt loam, 0 to 2 percent slopes (Map Unit 697A)**
- **Milford silty clay loam, 0 to 2 percent slopes (Map Unit 69A) , & Orthents, clayey, undulating (805B)**

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: **Tinley Creek**.

The proposed improvements are located within the **Calumet - Saganashkee Channel** watershed

Tinley Creek sub-watershed.

The primary storm water discharge points are as follows:

Sta. 35+00	Description: New storm sewer connection to existing 18 inch storm sewer in westside parkway
Sta. 46+50 & 47+00	Description: Existing storm sewers, eastside & westside ditches discharge to Tinley Creek
Sta.	Description:
Sta.	Description:
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 or 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 IL Department of Natural Resources participated in the Biological Resources Review encompassing the entire improvement re and requested coordination with the Cook County Department of Transportation and Highways 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.

WATERPROOFING MEMBRANE (SPECIAL)
Effective: January 10, 2008

Description: This work shall consist of furnishing all labor, material and equipment necessary to prepare the deck surface and place a cold liquid methyl-methacrylate spray applied seamless elastomeric waterproofing membrane system on the bridge deck as shown on the plans and according to the Manufacturer's specifications.

A pre-construction conference with a Manufacturer's representative shall be held prior to starting construction to establish procedures for maintaining optimum working conditions and coordination of work related to adjacent construction. The Contractor shall furnish the Engineer a copy of the procedures recommended.

A representative of the Manufacturer shall be present at the job site at all times during placement of the membrane system and during Hot Mix Asphalt (HMA) concrete paving. This representative shall be ultimately responsible for approving the deck surface preparation and the waterproofing membrane system placement.

Applicator prequalifications: The Applicator of the membrane system shall have at least 5 years of experience applying similar liquid spray applied membrane systems and shall be approved by the Manufacturer of the membrane system. A copy of the Manufacturer's written certification of the Applicator's qualifications shall be supplied to the Engineer at the time of the preconstruction conference.

Materials: The material used in the waterproofing system shall consist of a primer, a cold-applied, liquid seamless elastomeric membrane (minimum 2 coats), and a polymer modified tack coat. The membrane system shall be applied according to the Manufacturer's written instructions. These instructions shall be supplied to the Engineer at least two weeks prior to installation of the membrane system. The following are pre-approved systems available for this project:

Membrane System	Manufacturer
Eliminator Methylmethacrylate Membrane	Stirling Lloyd Products Inc. 152 Rockwell Road Building A Newington CT 06111 1-860-666-5008

Or Approved Equal

Membrane:

The spray applied membrane shall have the following physical properties:

Property	Test Method	Value
Minimum Total Thickness of Membrane		
Nominal		120 mils (3 mm)
Minimum @ (peaks of surface)		100 mils (2.5 mm)
Gel Time		6-11 minutes
Cure Time		30 minutes
Adhesion to Substrate	ASTM D 4541	100 psi (690 kPa)
Minimum Tensile Strength	ASTM D 638 Method A Die C	1700 psi (11.7 MPa)
Minimum Elongation At Break	ASTM D 638 Method A Die C	130 %
Crack Bridging	ASTM C 836	Pass @ 10 Cycles, .125 inches (3mm), -15°F. (-9.4°C)

Certification: Prior to approval and use of the material the Contractor shall submit, to the Engineer, a notarized certification by an independent test laboratory stating that the materials conform to the requirements of these specifications. The certification shall include or have attached specific results of tests performed on the material supplied. The Engineer may at his option require samples of any material for testing. Materials may be accepted on certification but are subject to control and/or approval by subsequent testing.

Storage: All components of the system shall be delivered to the job site in the Manufacturer's unopened packaging. All containers delivered to the job site which are found to be opened or damaged shall be removed from the job site immediately.

All components of the system shall be stored according to the Manufacturer's recommendations and in compliance with all relevant health and safety regulations.

Copies of Material Safety Data Sheets (MSDS) for all materials shall be kept on-site for review.

Equipment: The equipment used shall be subject to the approval of the Engineer and shall meet the following requirements:

(a) Surface Preparation Equipment. Surface preparation equipment shall be according to the applicable portions of Section 1100 and the following:

(1) Sawing Equipment. Sawing equipment shall be a concrete saw capable of sawing concrete to the specified depth.

(2) Mechanical Blast Cleaning Equipment. Mechanical blast cleaning may be performed by shotblasting. Mechanical blast cleaning equipment shall be capable of removing weak concrete at the surface, including the microfractured concrete surface layer remaining as a result of mechanical scarification, and shall have oil traps.

(3) Hand-Held Blast Cleaning Equipment. Blast cleaning using hand-held equipment may be performed by abrasive blasting. Hand-held blast cleaning equipment shall have oil traps.

(4) Mechanical Scarifying Equipment. Scarifying equipment shall be a power-operated, mechanical scarifier capable of uniformly scarifying or removing the old concrete surface and new patches to the depths required in a satisfactory manner. Other types of removal devices may be used if their operation is suitable and they can be demonstrated to the satisfaction of the Engineer.

(b) Pull-off Test Equipment. Equipment used to perform pull-off testing shall be either approved by the Engineer, or obtained from one of the following approved sources:

James Equipment 007 Bond Tester 800-426-6500	Germann Instruments, Inc. BOND-TEST Pull-off System 847-329-9999
SDS Company DYNA Pull-off Tester 805-238-3229	Elcometer, Inc. Elcometer #106 800 521-0635

Pull-off test equipment shall include all miscellaneous equipment and materials to perform the test and clean the equipment, according to ASTM D4541 Test Method.

CONSTRUCTION REQUIREMENTS

(a) Surface Preparation: All full and partial depth deck slab repairs shall be performed prior to the application of the waterproofing membrane system. A minimum cure of seven days for the repairs shall be observed prior to application of the primer.

Prior to placing the membrane, the deck surface areas must have a remaining textured finish that is free of sharp protrusions that is acceptable to the Manufacturer of the waterproof membrane. Unacceptable deck surfaces shall be reworked to the satisfaction of the Manufacturer's representative and/or the Engineer.

All dirt, oil, paint, existing membrane, and other foreign materials within the cleaning area shall be sufficiently removed as per the Manufacturer's recommendations. All deck areas shall be prepared by shot blast after the removal of any contaminants left unsuitable for shotblasting. In circumstances, when bituminous deposits remain on the deck even after extensive and thorough surface preparation, and in the opinion of the Engineer damage may occur if continued, it is acceptable for deposits to remain providing that:

(1) They are not mobile, ie. Readily moved by thumb
(2) They are widely dispersed and cover no more than 5 percent of the deck as a whole
(3) Each deposit is no greater than ¾ inch (19 mm) in diameter.

The shot blast cleaning shall include the vertical face of the curbs and expansion dams to the height of the specified finish pavement surface and elevation. The Manufacturer's representative and the Engineer will inspect the concrete deck immediately prior to the application of the primer. Application of either the primer or membrane shall not begin until approval is granted by the Engineer.

After the final surface preparation has been completed and before placement of the membrane system, the prepared deck surface will be tested for adhesion of the system primer and membrane to the bridge deck with approved specified adhesion testing equipment according to ASTM D4541. A minimum of 3 tests will be carried out per 500 square yards (418 square Meters); smaller bridges shall receive a minimum of three tests. The selected spots on the deck shall be primed with the methacrylate primer to be used on job and cured, and then a round blob of system membrane applied, into which a primed dolly or disc is gently placed. Both primer and membrane used for testing should be of the same batch numbers used for project. The volume of membrane used shall be such that there is at least 40 mils (1 mm) of thickness after dolly or disc placement without any significant volume of system membrane extruded outside of the dolly or disc area. A minimum tensile adhesion value of 100 psi (690 kPa) is required, with failure in the concrete. If lower values are achieved and the failure occurs in the concrete substrate additional surface preparation may be required by the Engineer. Should the tensile bond strengths be lower than the minimum specified, the Engineer may request additional substrate preparation. Adhesion test locations shall be repaired according to this specification.

Cleaning of all foreign material remaining on the concrete deck, after the shot blasting operation, shall be accomplished by satisfactory methods to the satisfaction of the Engineer. No vehicles or equipment will be permitted on the prepared surfaces after the cleaning operations except those vehicles necessary for the actual placement of the waterproofing membrane system.

(b) System Installation: Installation of the membrane system shall be in strict conformance to the Manufacturer's written instructions. The Contractor shall acquaint himself with the materials specified and their handling characteristics. The Contractor shall be thoroughly familiar with the construction procedures recommended by the Manufacturer before installation of the system.

A Manufacturer's representative, familiar with membrane installation procedures, shall be present during placement of the membrane system to provide quality assurance that the membrane has been properly installed.

There shall be no visible moisture present on the surface at the time of the application of the system. Compressed oil-free air and/or a light passing of a propane torch may be used to dry the substrate. Application can proceed while air and substrate temperatures are between 14°F (-10°C) and 120°F (48.9°C) providing the substrate is above the dew point by at least 5°F (2.8°C).

(1) Application of Primer: Primer shall be applied uniformly using a roller or an approved spray system to the overall coverage rate as recommended by the Manufacturer. The primer shall be allowed to dry per the Manufacturer's recommendation before applying the membrane. Porous concrete may require a second coat of primer should the first coat be absorbed. The second coat of primer shall be at no additional cost. Primer shall be applied to the curb faces to the top of the proposed HMA concrete overlay.

Care shall be taken to minimize over spray of the primer on to surfaces that will not be overlaid.

The primer and membrane shall be applied to a wider area than will be paved with HMA to provide a lap with subsequent application of primer and membrane.

(2) Application of Membrane: The membrane shall be comprised of liquid components and, a hardener, all of which are to be combined and thoroughly dispersed according to the Manufacturer's written instructions.

Membrane components shall be automatically metered at the specified ration within the permissible temperature range, mixed and spray-applied using a spray unit approved for use by the Manufacturer. Spraying pressure, tip type and tip size shall be as recommended by the Manufacturer.

The membrane shall be spray applied to assure bond with the primed surface, uniform coverage and elimination of holidays. A minimum of 2 coats at 60 mils (1.5 mm) each shall be required to obtain the nominal thickness of 120 mils (3 mm), the minimum thickness at any one point, measured over the peaks of the concrete surface, shall be 100 mils (2.5 mm). A plywood board or similar device shall be used to form a hard edge of the system membrane at all horizontal terminations and tie-in areas. For extremely rough substrate areas or milled surfaces, the second coat of membrane shall be sprayed in the opposite direction of the first coat to assure complete coverage of hidden voids.

The wet film surface shall be checked by the Applicator approximately once every 100 sq. ft. (9 square meters) of membrane applied, to ensure that the minimum thickness requirements of the membrane system are met. In addition to adhesion testing, the entire surface of the membrane shall be holiday tested by the Applicator according to ASTM D 4787 using an approved holiday tester. All holidays shall be cut out and repaired as damaged membrane.

Damaged membrane, holidays, adhesion test locations and thickness test locations shall be patched or repaired according to the Manufacturer's written recommendations. The damaged membrane shall be cut back to sound material and the periphery prepared as described below.

Where the membrane is to be joined to existing cured material and at day joints, the new application shall overlap the existing one by at least 2 inches (50 mm). Typically no perpetration shall be necessary unless the existing materials are contaminated with tack coat or dirt in which case the repair/overlap shall first be wiped with solvent approved by the Manufacturer. The primer shall be allowed to cure prior to application of the adjacent membrane.

The Contractor shall take all necessary precautions to eliminate contamination or damage to the membrane system by the spillage of gasoline, oil, diesel fuel, grease, hydraulic fluid or other deleterious substance. Contaminants shall be removed with a solvent approved by the Manufacturer. Any material damaged by contaminants or during cleaning shall be cut out and the damaged area repaired as specified herein.

(3) Application of tack coat: The membrane shall be fully cured according to the Manufacturer's written instructions prior to application of the tack coat. The membrane to be coated shall be clean and free from loose debris, moisture, or other contaminants. The tack coat shall be applied according to the Manufacturer's written instructions.

(4) Overlaying the Membrane with HMA Concrete: All exposed membrane shall be covered with the proposed HMA concrete mix within five days after installation. The construction of the HMA concrete overlay shall stay a minimum of 1 foot (300 mm) away from the terminating edge of the membrane. After installation of the membrane and prior to placing the HMA concrete, the construction traffic on the membrane shall be restricted as recommended by the Manufacturer. No track driven HMA pavers will be allowed. All damage to the membrane caused by the Contractor's operations shall be repaired immediately, to the satisfaction of the Engineer, and at the Contractor's expense. During paving, a light soap spray or other approved treatment by the membrane manufacturer should be applied to the paving equipment wheels when necessary to prevent removal of the tack coat. The use of balloon tire paving vehicle is recommended.

Method of Measurement: The elastomeric waterproofing membrane system will be measured in square yard of a horizontal surface area of deck finished and in place. Measurement will be based on the horizontal distance between the face of curbs and the horizontal length of the membrane installed.

Basis of Payments: This work will be paid for at the contract unit price per square yard for Waterproofing Membrane (Special) which price will be payment in full for completing the work according to these specifications. The HMA concrete overlay and deck slab repairs will not be included in this item but will be paid for separately.

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151ST ST AT Jack Hille Middle School (west of Central)
SECTION NO.: 12-B5626-02-TL
CENTRAL AVE, 135TH ST TO 127TH ST
SECTION NO.: 12-W3913-04-RS

Schedule of Prices

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
1	220	CU.YD.	BORROW EXCAVATION	$ -	$ -
2	1,185	CU.YD.	EARTH EXCAVATION	$ -	$ -
3	300	FOOT	GRADING AND SHAPING DITCHES	$ -	$ -
4	136	POUND	NITROGEN FERTILIZER NUTRIENT	$ -	$ -
5	136	POUND	PHOSPHORUS FERTILIZER NUTRIENT	$ -	$ -
6	136	POUND	POTASSIUM FERTILIZER NUTRIENT	$ -	$ -
7	0.2	ACRE	SEEDING, CLASS 7	$ -	$ -
8	6,311	SQ.YD.	SODDING	$ -	$ -
9	3,086	SQ.YD.	SODDING, SALT TOLERANT	$ -	$ -
10	93.2	UNIT	SUPPLEMENTAL WATERING	$ -	$ -
11	10,317	SQ.YD.	TOPSOIL FURNISH AND PLACE, 4 IN	$ -	$ -
12	20	UNIT	TREE REMOVAL (6 TO 15 UNITS DIA)	$ -	$ -
13	2,040	SQ.YD.	EROSION CONTROL BLANKET	$ -	$ -
14	100	SQ.YD.	FILTER FABRIC	$ -	$ -
15	14	EACH	INLET AND PIPE PROTECTION	$ -	$ -
16	16	EACH	INLET FILTERS	$ -	$ -
17	200	FOOT	PERIMETER EROSION BARRIER	$ -	$ -
18	25	SQ.YD.	STONE RIPRAP, CLASS A4	$ -	$ -
19	47	TON	AGGREGATE (PRIME COAT)	$ -	$ -
20	274	SQ.YD.	AGGREGATE BASE COURSE, TYPE B, 10 IN	$ -	$ -
21	799	SQ.YD.	AGGREGATE BASE COURSE, TYPE B, 4 IN	$ -	$ -
22	1,006	SQ.YD.	AGGREGATE BASE COURSE, TYPE B, 8 IN	$ -	$ -
23	1	L.SUM	CRUSHED STONE (TEMPORARY USE)	$ -	$ -
24	118,000	GAL.	BITUMINOUS MATERIALS (COLD IN-PLACE RECYCLING)	$ -	$ -
25	660	GAL.	BITUMINOUS MATERIALS (PRIME COAT)	$ -	$ -
26	21,004	SQ.YD.	COLD RECYCLED IN-PLACE BITUMINOUS BASE COURSE, 8 IN	$ -	$ -
27	2	EACH	CONSTRUCTING TEST STRIP	$ -	$ -

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ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
28	3,326	FOOT	CUTTING HOT-MIX ASPHALT SURFACE	$ -	$ -
29	3,052	TON	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	$ -	$ -
30	1,620	SQ.YD.	HOT-MIX ASPHALT DRIVEWAY SURFACE REMOVAL	$ -	$ -
31	34	SQ.YD.	HOT-MIX ASPHALT SHOULDERS, 6 IN	$ -	$ -
32	2,541	TON	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-12.5 OR 9.5, N70	$ -	$ -
33	178	SQ.YD.	HOT-MIX ASPHALT SURFACE REMOVAL, 2 IN	$ -	$ -
34	23,214	SQ.YD.	HOT-MIX ASPHALT SURFACE REMOVAL, 4 IN	$ -	$ -
35	975	TON	LEVELING BINDER (MACHINE METHOD) IL-9.5, N50	$ -	$ -
36	594	FOOT	TEMPORARY BUTT JOINTS	$ -	$ -
37	6,018	SQ.FT.	PORTLAND CEMENT CONCRETE SIDEWALK, 5 IN	$ -	$ -
38	1,155	SQ.FT.	PORTLAND CEMENT CONCRETE SIDEWALK, 8 IN	$ -	$ -
39	45	FOOT	COMBINATION CURB AND GUTTER REMOVAL	$ -	$ -
40	450	SQ.FT.	SIDEWALK REMOVAL	$ -	$ -
41	303	SQ.YD.	PAVEMENT REPLACEMENT	$ -	$ -
42	100	SQ.FT.	SIDEWALK REMOVAL AND REPLACEMENT	$ -	$ -
43	2,009	FOOT	CRACK ROUTING AND SEALING	$ -	$ -
44	48	SQ.FT.	DETECTABLE WARNINGS	$ -	$ -
45	45	FOOT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	$ -	$ -
46	6	CAL.MO.	ENGINEERS FIELD OFFICE, TYPE A	$ -	$ -
47	1	L.SUM	CONSTRUCTION LAYOUT STAKES AND SURVEY CONTROL POINTS	$ -	$ -
48	2	EACH	SURVEY MONUMENTS	$ -	$ -
49	1,073	FOOT	GUARDRAIL REMOVAL	$ -	$ -
50	40	SQ.YD.	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	$ -	$ -
51	40	SQ.YD.	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	$ -	$ -
52	40	SQ.YD.	DECK SLAB REPAIR (PARTIAL DEPTH)	$ -	$ -
53	100	FOOT	EPOXY CRACK INJECTION	$ -	$ -

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ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
54	300	SQ.FT.	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 IN)	$ -	$ -
55	150	SQ.FT.	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 IN)	$ -	$ -
56	217	SQ.FT.	WATERPROOFING MEMBRANE SYSTEM (SPECIAL)	$ -	$ -
57	217	SQ.YD.	HOT-MIX ASPHALT SURFACE REMOVAL (DECK) 2 1/2 IN	$ -	$ -
58	380	POUND	REINFORCEMENT BARS, EPOXY COATED	$ -	$ -
59	35	SQ.YD.	APPROACH SLAB REPAIR (FULL DEPTH)	$ -	$ -
60	35	SQ.YD.	APPROACH SLAB REPAIR (PARTIAL DEPTH)	$ -	$ -
61	201	FOOT	PIPE CULVERT REMOVAL, 12 IN	$ -	$ -
62	175	FOOT	PIPE CULVERT REMOVAL, 15 IN	$ -	$ -
63	443	FOOT	PIPE CULVERT REMOVAL, 18 IN	$ -	$ -
64	77	FOOT	PIPE CULVERT REMOVAL, 24 IN	$ -	$ -
65	4.3	CU.YD.	CONCRETE COLLAR	$ -	$ -
66	86	FOOT	PIPE CULVERTS, TYPE 1 (RCCP CLASS IV) 12 IN	$ -	$ -
67	70	FOOT	PIPE CULVERTS, TYPE 1 (RCCP CLASS IV) 15 IN	$ -	$ -
68	22	FOOT	PIPE CULVERTS, TYPE 1 (RCCP CLASS IV) 18 IN	$ -	$ -
69	150	FOOT	PIPE UNDERDRAINS, PERFORATED CORRUGATED POLYETHYLENE (PE) PIPE WITH A SMOOTH INTERIOR, 6 IN	$ -	$ -
70	154	FOOT	STORM SEWERS (POLYVINYL CHLORIDE) SDR 25, TYPE 1, 12 IN	$ -	$ -
71	24	FOOT	STORM SEWERS (POLYVINYL CHLORIDE) SDR 26, 18 IN	$ -	$ -
72	18	FOOT	STORM SEWERS, TYPE 1 (HDPE) 18 IN	$ -	$ -
73	13	FOOT	STORM SEWERS, TYPE 1 (HDPE) 6 IN	$ -	$ -
74	95	FOOT	STORM SEWERS, TYPE 1 (RCCP CLASS IV) 12 IN	$ -	$ -
75	29	FOOT	STORM SEWERS, TYPE 1 (RCCP CLASS IV) 18 IN	$ -	$ -
76	2	EACH	CATCH BASINS TO BE ADJUSTED	$ -	$ -
77	2	EACH	CATCH BASINS TO BE REMOVED	$ -	$ -
78	1	EACH	CATCH BASINS, TYPE A2, 4 FT DIA WITH FRAME AND GRATE	$ -	$ -

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79	15	EACH	CATCH BASINS, TYPE C, 2 FT DIA WITH FRAME AND GRATE	$ -	$ -
80	3	EACH	FRAMES AND LIDS TO BE ADJUSTED, SPECIAL (PAVEMENT RECYCLING)	$ -	$ -
81	1	EACH	FLARED END SECTIONS TO BE REMOVED (18 IN DIA RCCP)	$ -	$ -
82	16	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 12 IN	$ -	$ -
83	6	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 15 IN	$ -	$ -
84	1	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 18 IN WITH GRATE	$ -	$ -
85	2	EACH	MEDIAN INLET, 3 FT DIA WITH FRAME AND GRATE	$ -	$ -
86	5	EACH	MANHOLES, TYPE A, 4 FT DIA WITH FRAME AND GRATE	$ -	$ -
87	2	EACH	MANHOLES, TYPE A, 5 FT DIA WITH FRAME AND GRATE	$ -	$ -
88	2	EACH	WATERPROOFING SANITARY MANHOLES TO BE ADJUSTED	$ -	$ -
89	2	EACH	SANITARY MANHOLES TO BE ADJUSTED	$ -	$ -
90	1,645	FOOT	STORM SEWERS (POLYVINYL CHLORIDE) SDR 25, TYPE 1, 24 IN	$ -	$ -
91	2	EACH	VALVE BOXES TO BE ADJUSTED	$ -	$ -
92	2	EACH	VALVE VAULTS TO BE ADJUSTED	$ -	$ -
93	689	CU.YD.	TRENCH BACKFILL	$ -	$ -
94	14	TON	AGGREGATE DITCH CHECKS	$ -	$ -
95	3	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	$ -	$ -
96	1	L.SUM	TRAFFIC CONTROL DEVICES - DETOUR ROUTING	$ -	$ -
97	1	L.SUM	TRAFFIC PROTECTION	$ -	$ -
98	5,800	FOOT	PAVEMENT MARKING TAPE, TYPE III, 4 IN	$ -	$ -
99	230	SQ.FT.	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	$ -	$ -
100	900	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 12 IN	$ -	$ -
101	60	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 24 IN	$ -	$ -
102	15,400	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 4 IN	$ -	$ -

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103	600	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 6 IN	$ -	$ -
104	2	EACH	PEDESTRIAN COUNTDOWN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	$ -	$ -
105	1	EACH	PEDESTRIAN COUNTDOWN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	$ -	$ -
106	4	EACH	PEDESTRIAN PUSH-BUTTON	$ -	$ -
107	1	EACH	FULL-ACTUATED CONTROLLER AND TYPE SUPER-P CABINET	$ -	$ -
108	2	EACH	INDUCTIVE LOOP DETECTOR	$ -	$ -
109	1	EACH	UNINTERRUPTIBLE POWER SUPPLY WITHOUT CABINET	$ -	$ -
110	1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 24 FT AND 32 FT AND LIGHTING ARM, 15 FT	$ -	$ -
111	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT	$ -	$ -
112	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT	$ -	$ -
113	1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT	$ -	$ -
114	2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT	$ -	$ -
115	1	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	$ -	$ -
116	7	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	$ -	$ -
117	1	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	$ -	$ -
118	7	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	$ -	$ -
119	90	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2 IN DIA	$ -	$ -
120	525	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 IN DIA	$ -	$ -
121	190	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4 IN DIA	$ -	$ -
122	12	FOOT	CONCRETE FOUNDATION, TYPE A	$ -	$ -
123	4	FOOT	CONCRETE FOUNDATION, TYPE C	$ -	$ -
124	20	FOOT	CONCRETE FOUNDATION, TYPE E - 30 IN DIA	$ -	$ -
125	15	FOOT	CONCRETE FOUNDATION, TYPE E - 36 IN DIA	$ -	$ -
126	1	EACH	DOUBLE HANDHOLE	$ -	$ -

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ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
127	5	EACH	HANDHOLE	$ -	$ -
128	460	FOOT	DETECTOR LOOP, TYPE I	$ -	$ -
129	600	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING NO 6 1C (GREEN)	$ -	$ -
130	725	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO 14 1 PAIR	$ -	$ -
131	70	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE NO 6 2C	$ -	$ -
132	375	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 2C	$ -	$ -
133	375	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 3C	$ -	$ -
134	1,370	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 5C	$ -	$ -
135	165	FOOT	ELECTRIC CABLE, VIDEO DETECTION SYSTEM	$ -	$ -
136	1	EACH	VIDEO DETECTION SYSTEM, SINGLE CAMERA/PROCESSOR VIDEO DETECTION	$ -	$ -
137	1	EACH	SERVICE INSTALLATION, POLE MOUNTED	$ -	$ -
138	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	$ -	$ -

TOTAL _____

SUMMARY OF QUANTITIES

COUNTY HIGHWAY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
W39/B56/W25	2012	2R	69

SECTION: 12-W3913-04-RS
12-W3913-03-BR
12-B3526-02-TL
12-W2508-01-DR

ITEM NO	PAY ITEM	12-W3913-04-RS QUANTITY	12-W3913-03-BR QUANTITY	12-B3526-02-TL QUANTITY	12-W2508-01-DR QUANTITY	TOTAL QUANTITY	UNIT
1	BORROW EXCAVATION	160		60		220	CU.YD.
2	EARTH EXCAVATION	1,075			110	1,185	CU.YD.
3	GRADING AND SHAPING DITCHES	300				300	FOOT
4	NITROGEN FERTILIZER NUTRIENT	118			20	138	POUND
5	PHOSPHORUS FERTILIZER NUTRIENT	118			20	138	POUND
6	POTASSIUM FERTILIZER NUTRIENT	118			20	138	POUND
7	SEEDING, CLASS 7	0.2				0.2	ACRE
8	SODDING	8,227		84		8,311	SQ.YD.
9	SODDING, SALT TOLERANT	3,086				3,086	SQ.YD.
10	SUPPLEMENTAL WATERING	93			0.2	93.2	UNIT
11	TOPSOIL FURNISH AND PLACE, 4 IN	9,319		84	925	10,317	SQ.YD.
12	TREE REMOVAL (6 TO 15 UNITS DIA)				20	20	UNIT
13	EROSION CONTROL BLANKET	1,120			920	2,040	SQ.YD.
14	FILTER FABRIC		25		75	100	SQ.YD.
15	INLET AND PIPE PROTECTION	13			1	14	EACH
16	INLET FILTERS	16				16	EACH
17	PERIMETER EROSION BARRIER				200	200	FOOT
18	STONE RIPRAP, CLASS A4		25			25	SQ.YD.
19	AGGREGATE (PRIME COAT)	47				47	TON
20	AGGREGATE BASE COURSE, TYPE B (10 IN)	374				374	SQ.YD.
21	AGGREGATE BASE COURSE, TYPE B (4 IN)	799				799	SQ.YD.
22	AGGREGATE BASE COURSE, TYPE B (8 IN)	1,008				1,008	SQ.YD.
23	CRUSHED STONE (TEMPORARY USE)	1				1	L.SUM
24	BITUMINOUS MATERIALS (COLD IN-PLACE RECYCLING)	118,000				118,000	GAL.
25	BITUMINOUS MATERIALS (PRIME COAT)	511	149			660	GAL.
26	COLD-RECYCLE IN-PLACE BITUMINOUS BASE COURSE, 6 IN	21,004				21,004	SQ.YD.
27	CONSTRUCTING TEST STRIP	2				2	EACH
28	CUTTING HOT-MIX ASPHALT SURFACE	3,326				3,326	FOOT
29	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	3,032				3,032	TON
30	HOT-MIX ASPHALT DRIVEWAY SURFACE REMOVAL	1,620				1,620	SQ.YD.
31	HOT-MIX ASPHALT SHOULDERS, 8 IN	34				34	SQ.YD.
32	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-12.5 OR 9.5, N70	2,496	45			2,541	TON
33	HOT-MIX ASPHALT SURFACE REMOVAL, 2 IN		178			178	SQ.YD.
34	HOT-MIX ASPHALT SURFACE REMOVAL, 4 IN	23,214				23,214	SQ.YD.
35	LEVELING BINDER (MACHINE METHOD) IL-9.5, N50	976				976	TON
36	TEMPORARY BUTT JOINTS	594				594	FOOT
37	PORTLAND CEMENT CONCRETE SIDEWALK, 5 IN	5,949	69			6,018	SQ.FT.
38	PORTLAND CEMENT CONCRETE SIDEWALK, 8 IN	1,185				1,185	SQ.FT.
39	COMBINATION CURB AND GUTTER REMOVAL	46				46	FOOT
40	SIDEWALK REMOVAL	450				450	SQ.FT.
41	PAVEMENT REPLACEMENT	303				303	SQ.YD.
42	SIDEWALK REMOVAL AND REPLACEMENT			100		100	SQ.FT.
43	CRACK ROUTING AND SEALING	2,000				2,000	FOOT
44	DETECTABLE WARNINGS	48				48	SQ.FT.
45	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	46				46	FOOT
46	ENGINEERS FIELD OFFICE, TYPE A	6				6	CAL.MO.
47	CONSTRUCTION LAYOUT STAKES AND SURVEY CONTROL POINTS	1				1	L.SUM
48	SURVEY MONUMENTS	2				2	EACH
49	GUARDRAIL REMOVAL	1,073				1,073	FOOT
50	DECK SLAB REPAIR (FULL DEPTH, TYPE I)		40			40	SQ.YD.
51	DECK SLAB REPAIR (FULL DEPTH, TYPE II)		40			40	SQ.YD.
52	DECK SLAB REPAIR (PARTIAL DEPTH)		40			40	SQ.YD.
53	EPOXY CRACK INJECTION		100			100	FOOT
54	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 IN.)		300			300	SQ.FT.
55	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 IN.)		150			150	SQ.FT.
56	WATERPROOFING MEMBRANE SYSTEM (SPECIAL)		217			217	SQ.YD.
57	HOT-MIX ASPHALT SURFACE REMOVAL (DECK), 2 1/2 IN.		217			217	SQ.YD.
58	REINFORCEMENT BARS, EPOXY COATED		380			380	POUND
59	APPROACH SLAB REPAIR (FULL DEPTH)		35			35	SQ.YD.
60	APPROACH SLAB REPAIR (PARTIAL DEPTH)		35			35	SQ.YD.
61	PIPE CULVERT REMOVAL, 12 IN	201				201	FOOT
62	PIPE CULVERT REMOVAL, 15 IN	175				175	FOOT
63	PIPE CULVERT REMOVAL, 18 IN	443				443	FOOT
64	PIPE CULVERT REMOVAL, 24 IN	77				77	FOOT
65	CONCRETE COLLAR	4		0.3		4.3	CU.YD.
66	PIPE CULVERTS, TYPE 1 (RCCP CLASS IV) 12 IN	66				66	FOOT
67	PIPE CULVERTS, TYPE 1 (RCCP CLASS IV) 15 IN	40		30		70	FOOT
68	PIPE CULVERTS, TYPE 1 (RCCP CLASS IV) 18 IN			22		22	FOOT
69	PIPE UNDERDRAINS, PERFORATED CORRUGATED POLYETHYLENE (PE) PIPE WITH A SMOOTH INTERIOR, 6 IN				150	150	FOOT

ITEM NO	PAY ITEM	12-W3913-04-RS QUANTITY	12-W3913-03-BR QUANTITY	12-B3526-02-TL QUANTITY	12-W2508-01-DR QUANTITY	TOTAL QUANTITY	UNIT
70	STORM SEWERS (POLYVINYL CHLORIDE) SDR 35, TYPE 1, 12IN	154				154	FOOT
71	STORM SEWERS (POLYVINYL CHLORIDE) SDR 26, 18 IN	24				24	FOOT
72	STORM SEWERS, TYPE 1 (HDPE) 18 IN	18				18	FOOT
73	STORM SEWERS, TYPE 1 (HDPE) 6 IN				13	13	FOOT
74	STORM SEWERS, TYPE 1 (RCCP CLASS IV) 12 IN	86				86	FOOT
75	STORM SEWERS, TYPE 1 (RCCP CLASS IV) 18 IN	29				29	FOOT
76	CATCH BASINS TO BE ADJUSTED	1			1	2	EACH
77	CATCH BASINS TO BE REMOVED	2				2	EACH
78	CATCH BASINS, TYPE A2, 4 FT DIA WITH FRAME AND GRATE	1				1	EACH
79	CATCH BASINS, TYPE C, 2 FT DIA WITH FRAME AND GRATE	14			1	15	EACH
80	FRAMES AND LIDS TO BE ADJUSTED, SPECIAL (PAVEMENT RECYCLING)	3				3	EACH
81	FLARED END SECTIONS TO BE REMOVED (18 IN DIA RCCP)	1				1	EACH
82	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 12 IN	15		1		16	EACH
83	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 15 IN	6				6	EACH
84	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 15 IN WITH GRATE	1				1	EACH
85	MEDIAN INLET, 3 FT DIA WITH FRAME AND GRATE	2				2	EACH
86	MANHOLES, TYPE A, 4 FT DIA WITH FRAME AND GRATE	3				3	EACH
87	MANHOLES, TYPE A, 5 FT DIA WITH FRAME AND GRATE	2				2	EACH
88	WATERPROOFING SANITARY MANHOLES TO BE ADJUSTED	2				2	EACH
89	SANITARY MANHOLES TO BE ADJUSTED	2				2	EACH
90	STORM SEWERS (POLYVINYL CHLORIDE) SDR 25, TYPE 1, 24IN	1,645				1,645	FOOT
91	VALVE BOXES TO BE ADJUSTED	2				2	EACH
92	VALVE VAULTS TO BE ADJUSTED	2				2	EACH
93	TRENCH BACKFILL	652		5	2	659	CU.YD.
94	AGGREGATE DITCH CHECKS				14	14	TON
95	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	2		1		3	EACH
96	TRAFFIC CONTROL DEVICES - DETOUR ROUTING	1				1	L.SUM
97	TRAFFIC PROTECTION	1				1	L.SUM
98	PAVEMENT MARKING TAPE, TYPE III, 4 IN	4,600		1,200		5,800	FOOT
99	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS	230				230	SQ.FT.
100	THERMOPLASTIC PAVEMENT MARKING - LINE 12 IN	900				900	FOOT
101	THERMOPLASTIC PAVEMENT MARKING - LINE 24 IN	80				80	FOOT
102	THERMOPLASTIC PAVEMENT MARKING - LINE 4 IN	15,400				15,400	FOOT
103	THERMOPLASTIC PAVEMENT MARKING - LINE 6 IN	600				600	FOOT
104	PEDESTRIAN COUNTDOWN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED			2		2	EACH
105	PEDESTRIAN COUNTDOWN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED			1		1	EACH
106	PEDESTRIAN PUSH-BUTTON			4		4	EACH
107	FULL-ACTUATED CONTROLLER AND TYPE SUPER-P CABINET			1		1	EACH
108	INDUCTIVE LOOP DETECTOR			2		2	EACH
109	UNINTERRUPTIBLE POWER SUPPLY WITHOUT CABINET			1		1	EACH
110	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 24 FT AND 22 FT AND LIGHTING ARM, 15 FT			1		1	EACH
111	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT			1		1	EACH
112	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT			1		1	EACH
113	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT			1		1	EACH
114	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT			2		2	EACH
115	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED			1		1	EACH
116	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED			7		7	EACH
117	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED			1		1	EACH
118	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM			7		7	EACH
119	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2 IN DIA			90		90	FOOT
120	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 IN DIA			525		525	FOOT
121	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4 IN DIA			190		190	FOOT
122	CONCRETE FOUNDATION, TYPE A			12		12	FOOT
123	CONCRETE FOUNDATION, TYPE C			4		4	FOOT
124	CONCRETE FOUNDATION, TYPE E - 30 IN DIA			20		20	FOOT
125	CONCRETE FOUNDATION, TYPE E - 36 IN DIA			15		15	FOOT
126	DOUBLE HANDHOLE			1		1	EACH
127	HANDHOLE			5		5	EACH
128	DETECTOR LOOP, TYPE I	400		60		460	FOOT
129	ELECTRIC CABLE IN CONDUIT, GROUNDING NO 6 1C (GREEN)			600		600	FOOT
130	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO 14 1 PAIR			725		725	FOOT
131	ELECTRIC CABLE IN CONDUIT, SERVICE NO 6 2C			70		70	FOOT
132	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 2C			375		375	FOOT
133	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 3C			375		375	FOOT
134	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 6C			1,370		1,370	FOOT
135	ELECTRIC CABLE, VIDEO DETECTION SYSTEM			165		165	FOOT
136	VIDEO DETECTION SYSTEM, SINGLE CAMERA/PROCESSOR VIDEO DETECTION			1		1	EACH
137	SERVICE INSTALLATION, POLE MOUNTED			1		1	EACH
138	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT			1		1	EACH

REVISED ON: FEBRUARY 7, 2013

COUNTY OF COOK
DEPARTMENT OF HIGHWAYS

SUMMARY OF QUANTITIES
GROUP F-2013

COMPUTED O.P.
DRAWN O.P.
CHECKED B.J.S.

COUNTY HIGHWAY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
W39/B56/W25	2012	4R	89

SECTION 12-W3913-04-RS

GENERAL NOTES

DESCRIPTION OF WORK

1. THIS IS A QUALITY CONTROL/QUALITY ASSURANCE (QA/QC) PROJECT UTILIZING HOT-MIX ASPHALT (HMA) MIXTURES. IT IS THE INTENT OF THIS IMPROVEMENT TO COLD IN-PLACE RECYCLE THE EXISTING POZZOLANIC BASE TO A DEPTH OF 8 IN. ALONG CENTRAL AVENUE. THE EXISTING HMA PAVEMENT WILL BE MILLED TO A DEPTH OF 4 IN. AND THE RECYCLED BASE AND SHOULDERS OVERLAID WITH 2 1/4 HOT-MIX ASPHALT BINDER COURSE, AND 1 3/4 IN. ASPHALT SURFACE COURSE. ALSO INCLUDED WILL BE PAVEMENT STRIPING, STEEL PLATE BEAM GUARDRAIL REMOVAL, CURB AND GUTTER REMOVAL AND REPLACEMENT, DRIVEWAY RESURFACING, DRIVEWAY RECONSTRUCTION, DRAINAGE ADDITIONS AND ADJUSTMENTS INCLUDING DITCH REGRADING, PARKWAY AND DITCH RESTORATION WITH SODDING AND TOPSOIL, DETOUR ROUTING AND TRAFFIC PROTECTION.

ROADWAY CONSTRUCTION NOTES

1. STANDARD SPECIFICATIONS REFER TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2012 AND ALL ADDENDA AND SUPPLEMENTAL SPECIFICATIONS.
2. REMOVAL OF THE EXISTING HOT-MIX ASPHALT SURFACE (4 IN.) SHALL BE PERFORMED OVER THE ENTIRE LENGTH OF THE JOB AS DIRECTED BY THE ENGINEER. A QUANTITY OF 23,214 SQUARE YARDS OF HOT-MIX ASPHALT SURFACE REMOVAL HAS BEEN INCLUDED IN THE SUMMARY OF QUANTITIES FOR THIS WORK.
3. IT IS ESTIMATED 1,612 LINEAR FEET OF EXISTING GUARDRAIL WITH POST AND FITTINGS ARE TO BE REMOVED WITHIN THE LIMITS SHOWN ON PLAN OR AT THE DIRECTION OF THE ENGINEER. THE EXISTING GUARDRAIL SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED BY HIM AT HIS EXPENSE AND A SALVAGE VALUE OF THE REMOVED GUARDRAIL, POST AND FITTINGS SHALL BE REFLECTED IN THE CONTRACT UNIT BID PRICE PER LINEAR FEET FOR GUARDRAIL REMOVAL.
4. THE CONTRACTOR IS DIRECTED TO MINIMIZE LONGITUDINAL AND TRANSVERSE DROP-OFFS PRIOR TO OVERLAY. BUTT JOINTS WILL BE REQUIRED AT ALL TRANSVERSE ENDS OF THE 4 IN. MILLING OPERATION WHICH ARE LEFT OPEN OVERNIGHT TO TRAFFIC. A QUANTITY OF 984 LINEAR FEET OF TEMPORARY BUTT JOINTS HAS BEEN INCLUDED IN THE SUMMARY OF QUANTITIES FOR THIS PURPOSE. BUTT JOINTS SHALL BE INSTALLED AT THE START AND END OF THE MILLING AND RESURFACING (WHERE THE RESURFACING MEETS EXISTING PAVEMENT) AT IN ACCORDANCE WITH THE DETAIL OF TEMPORARY BUTT JOINT AND SHALL BE PAID FOR AS TEMPORARY BUTT JOINTS.
5. ALL ENTRANCES SHALL BE KEPT OPEN TO TRAFFIC DURING THE CONSTRUCTION PERIOD AS DIRECTED BY THE ENGINEER. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE AND MAINTAIN ACCESS TO ALL PRIVATE PROPERTY DURING THE CONSTRUCTION PERIOD. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT BID PRICE, LUMP SUM, FOR CRUSHED STONE (TEMPORARY USE). IT HAS BEEN ESTIMATED THAT 160 TONS OF CRUSHED STONE (TEMPORARY USE) WILL BE NEEDED FOR THIS IMPROVEMENT. THIS ESTIMATED QUANTITY IS GIVEN FOR THE BIDDER'S INFORMATION ONLY AND THE COUNTY TAKES NO RESPONSIBILITY FOR ITS ACCURACY. THE APPLICATION SHALL CONFORM TO THE SPECIAL PROVISION FOR CRUSHED STONE (TEMPORARY USE).
6. WHEN ORDERED BY THE ENGINEER, THE CONTRACTOR SHALL USE THE FOLLOWING METHOD TO ALLAY DUST AND PREVENT A NUISANCE WITHIN THE LIMITS OF THE CONSTRUCTION SITE. DUST SHALL BE CONTROLLED BY THE UNIFORM APPLICATION OF SPRINKLED WATER AND SHALL BE APPLIED ONLY WHEN DIRECTED BY THE ENGINEER, IN A MANNER MEETING HIS APPROVAL. CALCIUM CHLORIDE SHALL NOT BE USED FOR THIS PURPOSE. ALL EQUIPMENT USED FOR THIS WORK SHALL MEET WITH THE ENGINEER'S APPROVAL. THIS WORK SHALL CONSIST OF THE EXCLUSIVE CONTROL OF DUST RESULTING FROM CONSTRUCTION. ALL EQUIPMENT USED FOR THIS WORK SHALL MEET THESE OPERATIONAL REQUIREMENTS AND IS NOT INTENDED FOR USE IN THE COMPACTION OF EARTH EMBANKMENTS, AS SPECIFIED UNDER SECTION 205 OF THE STANDARD SPECIFICATIONS. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED THE CONTRACTOR FOR THIS WORK.
7. THE COORDINATION OF ALL UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT THE PRE-CONSTRUCTION CONFERENCE
8. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT ALL EXISTING UTILITIES. NO EXTRA COMPENSATION SHALL BE ALLOWED FOR DELAYS ARISING FROM ANY WORK PERFORMED BY THE UTILITY COMPANIES.
9. INTERSECTIONS AND ENTRANCES THAT ARE TO BE RESURFACED SHALL BE CONSTRUCTED SIMULTANEOUSLY WITH THE ADJACENT PAVEMENT.
10. AFTER COMPLETION OF CONSTRUCTION, IT IS THE INTENT OF THE COUNTY TO HAVE ALL REFLECTIVE CRACKS IN THE NEW OVERLAY ROUTED AND SEALED. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SPECIAL PROVISION FOR CRACK ROUTING AND SEALING FOR WORK RELATED TO THE SEALING OF TRANSVERSE AND LONGITUDINAL CRACKS ON FINISHED PAVEMENT AREAS. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT BID PRICE PER FOOT FOR CRACK ROUTING AND SEALING.
11. IN THE AREAS TO BE RECYCLED, THE PULVERIZATION OF THE REMAINING HMA AND POZZOLANIC BASE TO A DEPTH OF 8 IN. WILL BE INCLUDED IN THE PRICE PER SQ.YD. FOR COLD RECYCLE IN-PLACE BITUMINOUS BASE COURSE, 8 IN.
12. DUE TO CONSTRUCTION STAGING, THE CONTRACTOR MAY BE REQUIRED TO APPLY BITUMINOUS MATERIAL (PRIME COAT OR COLD IN-PLACE RECYCLING) TO ASSURE BONDING PRIOR TO PLACEMENT OF THE HMA BINDER COURSE AND THE HMA SURFACE COURSE. A QUANTITY OF 3,109 GALLONS OF BITUMINOUS MATERIALS (COLD IN-PLACE RECYCLING), 611 GALLONS OF BITUMINOUS MATERIALS (PRIME COAT) AND A QUANTITY OF 47 TONS OF AGGREGATE (PRIME COAT) HAVE BEEN INCLUDED IN THE SUMMARY OF QUANTITIES FOR THIS WORK, TO BE USED AT THE DIRECTION OF THE ENGINEER.
13. THE CONTRACTOR'S ATTENTION IS DIRECTED TO TELEPHONE J.U.L.I.E. 1-800-892-0123 FOR UTILITY LOCATIONS
14. THE CENTERLINE FOR THIS PROJECT SHALL BE THE SECTION LINE SEPARATING SECTION 32 AND 33 BETWEEN 135TH STREET AND 131ST STREET. THE SECTION CORNER AT 135TH STREET WILL BE AT STATION 10+00.56 AND THE SECTION CORNER AT 131ST STREET WILL BE AT STATION 38+54.44 NORTH OF 131ST STREET THE CENTERLINE OF RIGHT WAY WILL NOT BE CRITICAL. THE COST OF THE SECTION CORNER DETERMINATIONS SHALL BE INCLUDED IN THE PAY ITEM SURVEY MONUMENTS.
15. REMOVAL OF HOT-MIX ASPHALT DRIVEWAY PAVEMENT SHALL BE PAID FOR AS DRIVEWAY PAVEMENT REMOVAL.

MAINTENANCE OF TRAFFIC NOTES

1. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE DEPARTMENT'S INTENT TO KEEP THE ROADWAY CLOSED FOR SOUTHBOUND THRU TRAFFIC AT ALL TIMES FROM 135TH ST. TO 127TH ST. AND SHALL BE DETOURED AS PER DETOUR PLAN, WHILE THE ROADWAY WILL REMAIN OPEN FOR NORTHBOUND TRAFFIC ALL TIMES DURING CONSTRUCTION OPERATIONS. ANY SHORT-TERM ACTIVITY THAT REQUIRES ENCROACHMENT ON THE LANE(S) OPEN FOR TRAFFIC SHALL BE RESTRICTED TO WITHIN THE HOURS OF 9:00 A.M. TO 3:00 P.M. LANE CLOSURES SHALL BE IN ACCORDANCE WITH THE APPLICABLE I.D.O.T. TRAFFIC CONTROL STANDARDS
2. DURING CONSTRUCTION, TEMPORARY PAVEMENT MARKINGS SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR THE PAY ITEM "TRAFFIC PROTECTION". TEMPORARY PAVEMENT MARKINGS ON TEMPORARY PAVEMENT SURFACES OR ON PAVEMENT SURFACES THAT WILL BE RESURFACED AS PART OF THIS CONTRACT MAY BE PAINT OR TAPE. TEMPORARY PAVEMENT MARKINGS ON FINAL PAVEMENT SURFACES OR ON PAVEMENT SURFACES THAT WILL NOT BE RESURFACED AS PART OF THIS CONTRACT MUST BE TAPE.
3. PAVEMENT MARKING TAPE, TYPE III, IF REQUIRED AND AT THE DIRECTION OF THE RESIDENT ENGINEER, SHALL BE APPLIED TO THE FINAL PAVEMENT SURFACE PRIOR TO APPLICATION OF PERMANENT PAVEMENT MARKING, IN ACCORDANCE WITH SECTIONS 703 AND 1095 OF THE STANDARD SPECIFICATIONS. THE COST OF REMOVAL OF THE TAPE SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE PER FOOT OF PAVEMENT MARKING TAPE, TYPE III.
4. THE CONTRACTOR SHALL NOTIFY THE COOK COUNTY TRAFFIC OPERATIONS DIVISION AT (708) 974-6362 OR (312) 603-1680, TEN (10) DAYS PRIOR TO THE ESTIMATED DATE THAT THE ROADWAY WILL BE READY FOR THE APPLICATION OF PERMANENT PAVEMENT MARKING. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE ROADWAY CLEANED OF ANY DIRT, GRAVEL, OIL, ETC. ON THE DAY PAVEMENT MARKINGS ARE APPLIED.
5. THE PERMANENT PAVEMENT MARKING SHALL BE APPLIED TO THE FINAL FINISHED SURFACE ONLY AFTER THE COMPLETION OF ALL PAVEMENT CONSTRUCTION UNDER THIS CONTRACT.

TRAFFIC SIGNAL NOTES

1. THE CONTRACTOR SHALL INFORM THE CCHD DESIGN ENGINEER AT (312)603-1738 PRIOR TO THE START OF ANY WORK ON THE CONTRACT. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCED NOTICE IS REQUIRED.
2. THE CONTRACTOR SHALL MARK LOCATIONS OF LOOPS AND CONTACT THE ILLINOIS DEPARTMENT OF TRANSPORTATION DESIGN ENGINEER AT (847) 705-4566 FOR CENTRAL AVENUE AND 127TH STREET AND FOR CENTRAL AVENUE AND 135TH STREET. THIS IS FOR LOCATION APPROVAL PRIOR TO THE CUTTING OF THE LOOPS. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.
3. VEHICLE LOOP DETECTOR SHALL BE COMPATIBLE WITH THE CONTROL EQUIPMENT.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE EXISTING TRAFFIC SIGNAL INSTALLATION.
5. ALL ELECTRICAL CABLE SHALL HAVE POLYVINYL CHLORIDE JACKET.
6. THE CORNERS OF ALL NEW DETECTOR LOOPS SHALL BE CORE DRILLED INCLUDING PAVEMENT JOINTS AND CRACKS.
7. ALL EXISTING LOOP DETECTORS ARE TO BE ANALYZED AND RE-CUT IF NECESSARY.
8. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL J.U.L.I.E. TOLL FREE AT 1-800-892-0123.
9. CARE IS TO BE TAKEN AS NOT TO DAMAGE ANY OF THE EXISTING TRAFFIC SIGNAL CONDUITS, DETECTORS AND EQUIPMENT. IF ANY OF THE TRAFFIC SIGNAL CONDUIT AND/OR EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUIT AND/OR EQUIPMENT AT NO COST TO THE COUNTY OR STATE.
10. THE QUANTITY OF "DETECTOR LOOP, TYPE I" MAY BE ADJUSTED, IF THE EXISTING LOOPS CAN BE REUSED. THE USE OF THIS ITEM WILL BE AT THE DIRECTION OF THE ENGINEER.

LANDSCAPING NOTES

1. FERTILIZER NUTRIENTS: USE A FERTILIZER WITH AN ANALYSIS OF 1:1:1 RATIO. RATES PER ACRE:

SODDING	60 LBS. NITROGEN FERTILIZER NUTRIENT 60 LBS. PHOSPHOROUS FERTILIZER NUTRIENT 60 LBS. POTASSIUM FERTILIZER NUTRIENT
SEEDING	90 LBS. NITROGEN FERTILIZER NUTRIENT 90 LBS. PHOSPHOROUS FERTILIZER NUTRIENT 90 LBS. POTASSIUM FERTILIZER NUTRIENT

REVISED ON: JANUARY 22, 2013

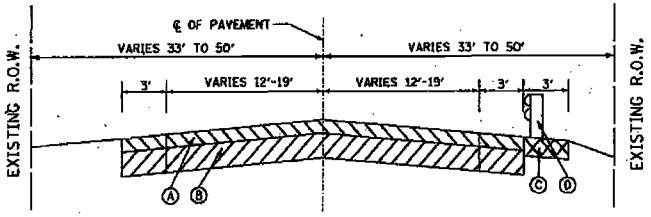
COUNTY OF COOK
DEPARTMENT OF HIGHWAYS

GENERAL NOTES
CENTRAL AVENUE
135TH STREET TO 127TH STREET

COMPUTED O.P.
DRAWN O.P.
CHECKED

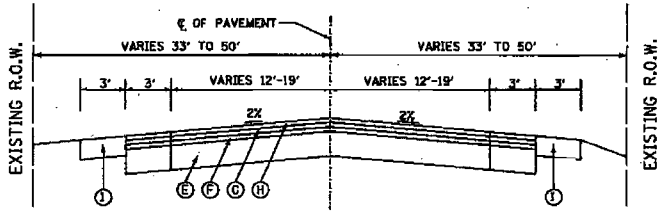
COUNTY HIGHWAY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
W39	2013	5R	89

SECTION: 12-W3913-04-RS



EXISTING TYPICAL CROSS SECTION

STA. 10+00 TO STA. 15+53 & STA. 43+32 TO STA. 51+37



PROPOSED TYPICAL CROSS SECTION

STA. 10+00 TO STA. 15+53 & STA. 43+32 TO STA. 51+37

HOT-MIX ASPHALT SURFACE REMOVAL (4 IN.)

EXISTING POZZOLANIC BASE TO BE RECYCLED, 8 IN., AS DIRECTED BY ENGINEER

EXISTING AGGREGATE SHOULDER TO BE REMOVED, 6 IN.

LEGEND

- (A) EXISTING HOT-MIX ASPHALT SURFACE TO BE MILLED, 4 IN.
- (B) EXISTING POZZOLONIC BASE TO BE RECYCLED, 8 IN.
- (C) EXISTING AGGREGATE SHOULDER TO BE REMOVED, 6 IN.
- (D) EXISTING GUARDRAIL TO BE REMOVED
- (E) COLD-RECYCLED IN-PLACE BITUMINOUS BASE COURSE, 8 IN. (MATERIALS FROM PULVERIZED BASE AFTER MILLING
- (F) LEVELING BINDER (MACHINE METHOD), IL-9.5, N50, AS REQUIRED
- (G) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4 IN.
- (H) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-12.5 OR 9.5, N70, 1 3/4 IN.
- (I) SODDING (SALT TOLERANT) AND TOPSOIL FURNISH AND PLACE, 4 IN

NOTES

1. SHOULDERS AND SIDE SLOPES SHALL BE ROUNDED 1'-0" IN EACH DIRECTION FROM THE TANGENT INTERSECTION OF THESE SURFACES.
2. PROPOSED PAVEMENT CROSS SLOPES, AS SHOWN, ARE TYPICAL EXCEPT WHERE EDGE OF PAVEMENT ELEVATIONS ARE SHOWN ON THE PLANS.
3. ALL DITCH SIDE AND BACK SLOPES SHALL HAVE A DESIRABLE SLOPE OF 3:1 OR FLATTER WITH NO SLOPES STEEPER THAN 2:1. SEE CROSS-SECTIONS.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

PAY ITEM	AC TYPE	RAP % (MAX.)	DESIGN AIR VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-12.5 OR 9.5, N70	PG 64-22	10%	4% @ 70 GYRATIONS
LEVELING BINDER (MACHINE METHOD), IL-9.5, N50	PG 64-22	15%	4% @ 50 GYRATIONS
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	PG 64-22	25%	4% @ 70 GYRATIONS

NOT TO SCALE

REVISED ON: JANUARY 22, 2013

COUNTY OF COOK
DEPARTMENT OF HIGHWAYS

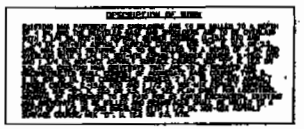
TYPICAL CROSS-SECTION
GENERAL AVENUE
135TH STREET TO 127TH STREET

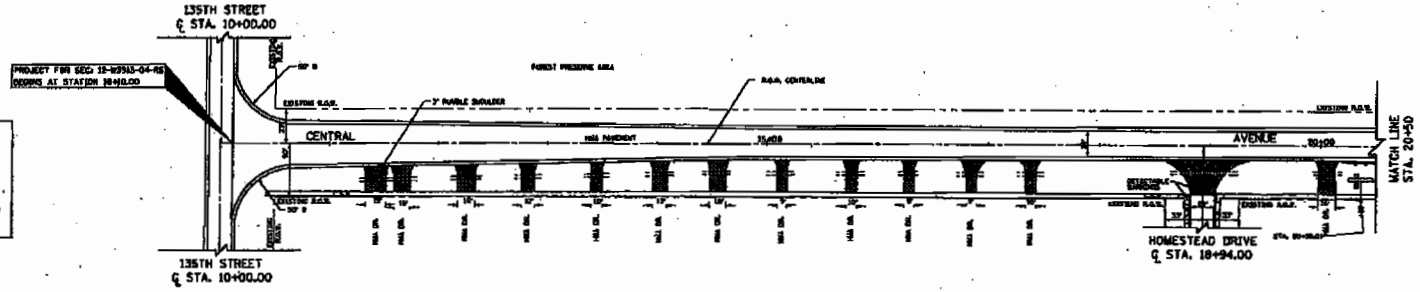
COMPUTED D.P.
DRAWN D.P.
CHECKED

COUNTY HIGHWAY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
#39	2012	SR	89

SECTION: 12-#3813-04-RS

COOK COUNTY

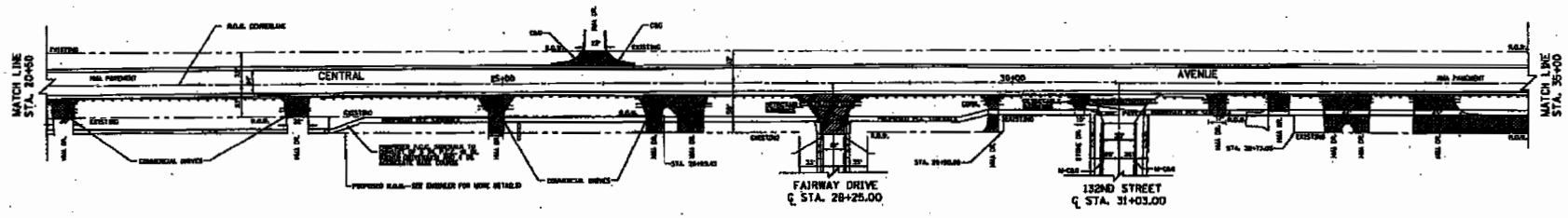




CRESTWOOD TOWNSHIP

EXISTING TOPOGRAPHY

COOK COUNTY



CRESTWOOD TOWNSHIP

LEGEND:

EXISTING TOPOGRAPHY

NOT TO SCALE

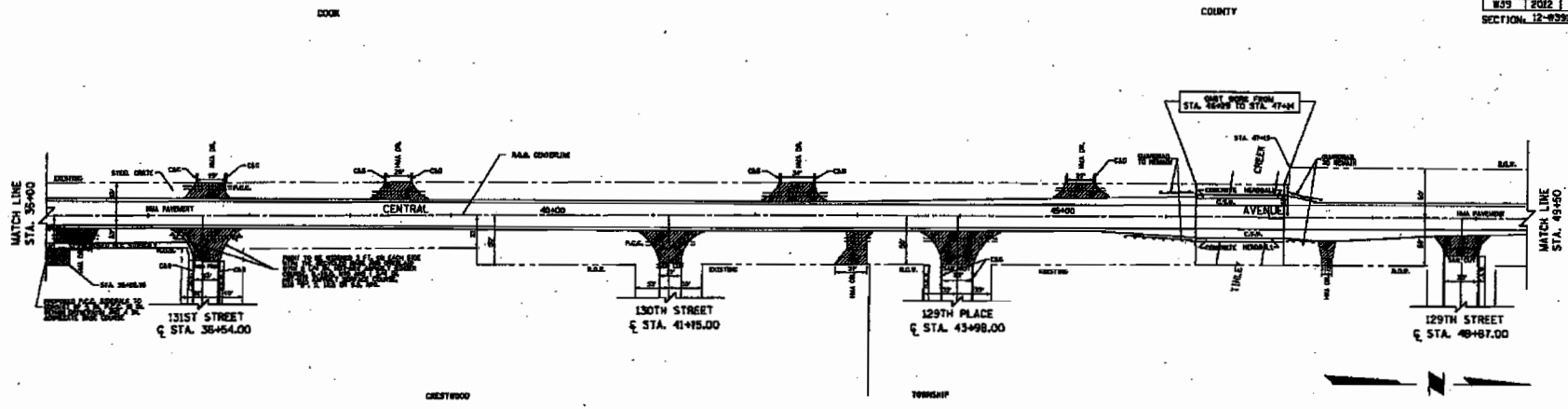
COUNTY OF COOK
DEPARTMENT OF HIGHWAYS

PLAN SHEET
CENTRAL AVENUE
135TH STREET TO 127TH STREET

COMPUTED G.P.
DRAWN A.L.B.
CHECKED

COUNTY HIGHWAY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
W39	2012	7R	89

SECTION: 12-93913-04-RS



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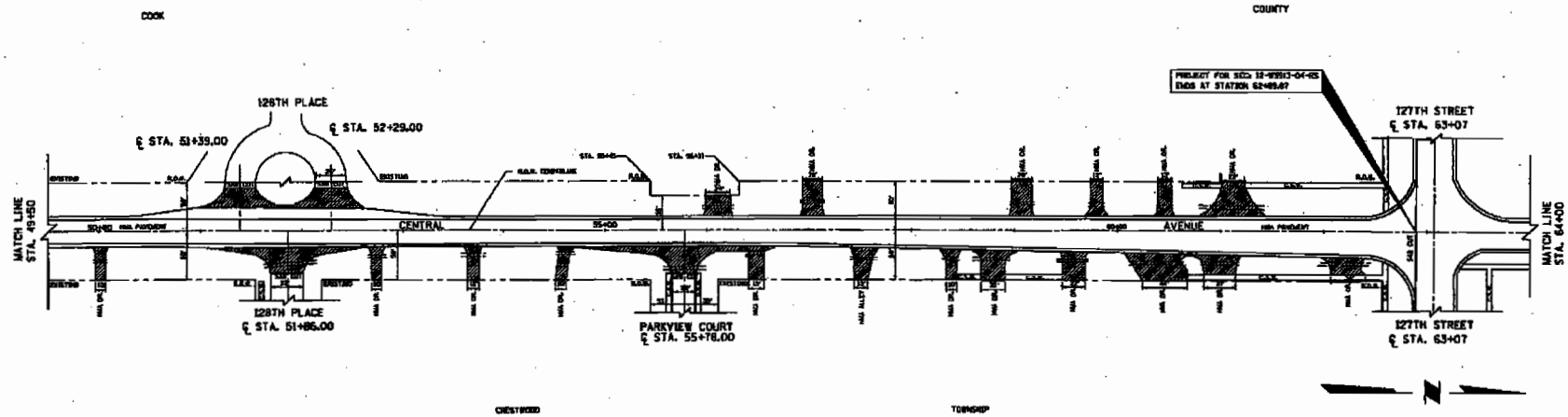


EXISTING TOPOGRAPHY

NOT TO SCALE

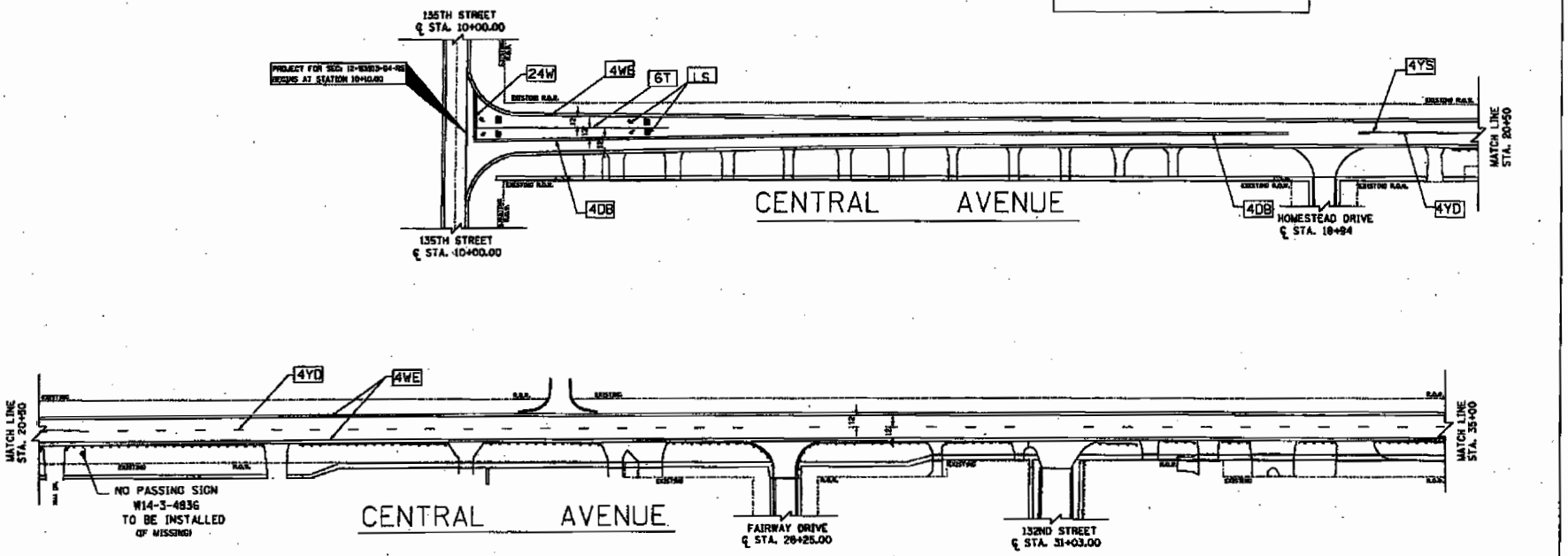
REVISED ON: JANUARY 22, 2013

COUNTY OF COOK
DEPARTMENT OF HIGHWAYS

PLAN SHEET
CENTRAL AVENUE
135TH STREET TO 127TH STREET

COUNTY HIGHWAY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
W39	2012	88	89

SECTION: 12-W3913-04-RS



PAVEMENT MARKING'S LEGEND

4YD	4 INCH YELLOW SKIP DASH LINE (10 FT. LONG, 30 FT. BLANK)
4YS	4 INCH YELLOW SOLID CENTER LINE
4DB	4 INCH YELLOW DOUBLE LINE (TYPICAL)
4WE	4 INCH WHITE EDGE LINE ALONG THE PAVEMENT EDGE (TYPICAL)
LS	LETTERS & SYMBOL
6D	6 INCH WHITE SKIP DASH (TURN LANE) LINE (2 FT. WHITE, 6 FT. BLANK)
6T	6 INCH WHITE SOLID (TURN LANE) LINE
12C	12 INCH WHITE LINE, TYPE II CROSSWALK (TYPICAL)
12YD	12 INCH YELLOW DIAGONAL LINE AT 45° ON 20' CENTER
24W	24 INCH WHITE STOP LINE

NOT TO SCALE

REVISED ON: JANUARY 15, 2013

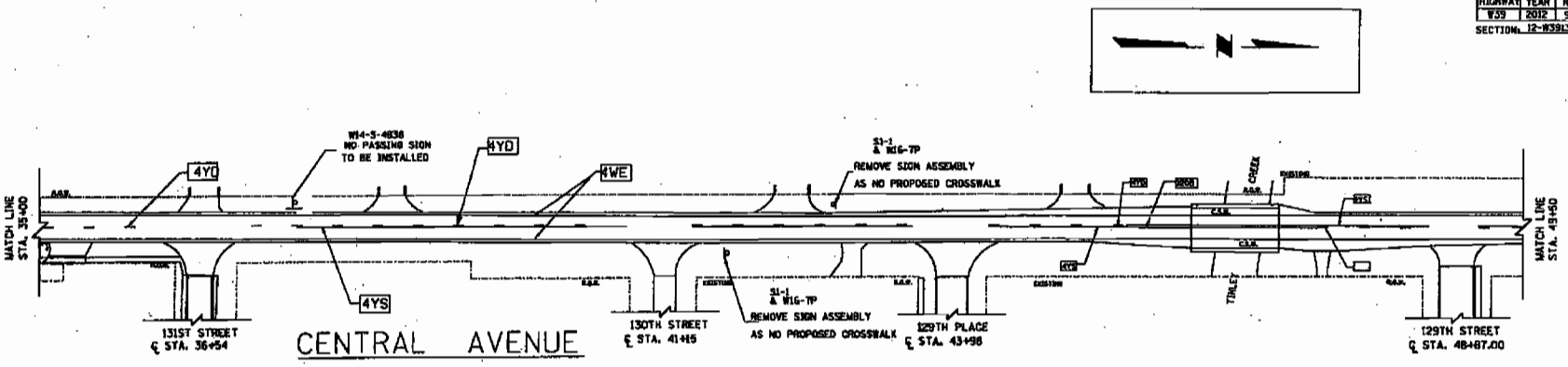
COUNTY OF COOK
DEPARTMENT OF HIGHWAYS

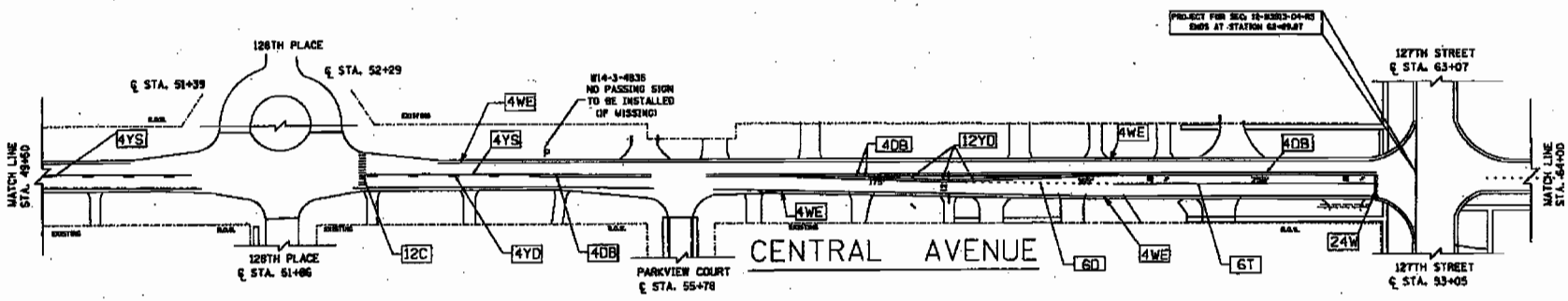
PAVEMENT MARKING PLAN
CENTRAL AVENUE
135TH STREET TO 127TH STREET

COMPUTED STP
DRAWN STP
CHECKED DRV
APPROVED JANUARY 15, 2013
CHIEF ENGINEER
TRANSPORTATION & PLANNING BUREAU

COUNTY HIGHWAY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
W39	2012	9R	89

SECTION: 12-W3913-04-RS





NOTES:

(1) THERE IS NO BLACK LINES FOR NEW PROPOSED PAVEMENT MARKINGS ALONG CENTRAL AVENUE.

(2) THE LOCATIONS OF 24" WHITE STOP LINE AT ALL SIGNALIZED INTERSECTIONS TO CENTRAL AVENUE WILL REMAIN SAME AS EXISTING.

(3) IF THE EXISTING PAVEMENT MARKINGS ON SIDE STREET CROSSING TO CENTRAL AVENUE ARE DISTURBED DUE TO THE IMPROVEMENT, IT SHALL BE RE STRIPED.

(4) THE NEW PROPOSED PAVEMENT MARKINGS ALONG CENTRAL AVENUE ARE OF THERMOPLASTIC.

(5) THE EXISTING SIGNS ALONG CENTRAL AVENUE ARE TO REMAIN SAME EXCEPT AS SHOWN ON PAVEMENT MARKING PLANS. FOR UPGRADING THE SIGNING ALONG CENTRAL AVE (AS SHOWN ON PAVEMENT MARKING PLANS), IT WILL BE REQUIRED TO CONTACT THE ENGINEER IN CHARGE, TRAFFIC OPERATIONS DIVISION, COOK COUNTY HIGHWAY DEPARTMENT, AS PAY ITEM FOR SIGNING HAVE NOT BEEN INCLUDED IN THE CONTRACT.

(6) PRIOR TO INSTALLATION OF PERMANENT PAVEMENT MARKINGS, CONTACT THE ENGINEER IN CHARGE, TRAFFIC OPERATION DIVISION, COOK COUNTY HIGHWAY DEPARTMENT AT (708) 674-6662 OR (312) 603-1661.

NOT TO SCALE

REVISED ON: JANUARY 15, 2013

COUNTY OF COOK
DEPARTMENT OF HIGHWAYS

PAVEMENT MARKING PLAN
CENTRAL AVENUE
135TH STREET TO 127TH STREET

COMPUTED STP
DRAWN STP
CHECKED JMP

APPROVED JANUARY 15, 2013

CHIEF ENGINEER
TRANSPORTATION & PLANNING BUREAU

COUNTY HIGHWAY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
W39	2013	20R	69

SECTION: 12-W3913-04-RS

DRAINAGE AND UTILITIES

CENTRAL AVENUE

135th ST to 127th ST

BILL OF MATERIALS

QTY.	UNIT	PAY ITEM
300	FOOT	GRADING AND SHAPING DITCHES
1,120.00	SQ.YD.	EROSION CONTROL BLANKET
13	EACH	INLET AND PIPE PROTECTION
16	EACH	INLET FILTERS
1,073.00	FOOT	GUARDRAIL REMOVAL
201	FOOT	PIPE CULVERT REMOVAL, 12 IN
175	FOOT	PIPE CULVERT REMOVAL, 15 IN
443	FOOT	PIPE CULVERT REMOVAL, 18 IN
77	FOOT	PIPE CULVERT REMOVAL, 24 IN
4	CU.YD.	CONCRETE COLLAR
15	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 12 IN
6	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 15 IN
86	FOOT	PIPE CULVERTS, TYPE 1 (RCCP CLASS IV) 12 IN
40	FOOT	PIPE CULVERTS, TYPE 1 (RCCP CLASS IV) 15 IN
24	FOOT	STORM SEWERS (POLYVINYL CHLORIDE) SDR 26, 18 IN
18	FOOT	STORM SEWERS, TYPE 1 (HDPE) 18 IN
95	FOOT	STORM SEWERS, TYPE 1 (RCCP CLASS IV) 12 IN
29	FOOT	STORM SEWERS, TYPE 1 (RCCP CLASS IV) 18 IN
1	EACH	FLARED END SECTIONS TO BE REMOVED (18 IN DIA RCCP)
1	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 18 IN WITH GRATE
2	EACH	MEDIAN INLET, 3 FT DIA WITH FRAME AND GRATE
5	EACH	MANHOLES, TYPE A, 4 FT DIA WITH FRAME AND GRATE
2	EACH	MANHOLES, TYPE A, 5 FT DIA WITH FRAME AND GRATE
154	FOOT	STORM SEWERS (POLYVINYL CHLORIDE) SDR 25, TYPE 1, 12IN
1,645.00	FOOT	STORM SEWERS (POLYVINYL CHLORIDE) SDR 25, TYPE 1, 24IN
682	CU.YD.	TRENCH BACKFILL
14	EACH	CATCH BASINS, TYPE C, 2 FT DIA WITH FRAME AND GRATE
1	EACH	CATCH BASINS, TYPE A2, 4 FT. DIA. WITH FRAMES AND GRATES
*1	EACH	CATCH BASINS TO BE ADJUSTED
*2	EACH	CATCH BASINS TO BE REMOVED
*3	EACH	FRAMES AND LIDS TO BE ADJUSTED, SPECIAL (PAVEMENT RECYCLING)
*2	EACH	WATERPROOFING SANITARY MANHOLES TO BE ADJUSTED
*2	EACH	SANITARY MANHOLES TO BE ADJUSTED
*2	EACH	VALVE BOXES TO BE ADJUSTED
*2	EACH	VALVE VAULTS TO BE ADJUSTED

DRAINAGE-UTILITIES GENERAL NOTES

1. ALL STORM SEWERS AND PIPE CULVERT, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE STATE SPECIFICATIONS FOR REINFORCED CONCRETE CULVERT, STORM DRAIN AND SEWER PIPE A.A.S.H.T.O. DESIGNATION M170 (A.S.T.M. DESIGNATION C76), WITH A MINIMUM OF CLASS III.

2. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR CATCH BASINS. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. HE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET, AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTION WITH SEWERS ARE BUILT AND IN SERVICE. THIS WORK WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

3. ALL BACKFILLING OPERATIONS SHALL CONFORM TO ARTICLE 550.07 OF THE STANDARD AND SUPPLEMENTAL SPECIFICATIONS.

4. THE CONTRACTOR SHALL USE EXTREME CAUTION WHILE WORKING IN THE AREA OF ABANDON EXISTING PIPELINE FACILITIES. SINCE RESIDUAL MATERIALS CONTAINED THEREIN MAY BE DANGEROUS. ANY ABANDON LINES TO BE REMOVED DURING CONSTRUCTION DUE TO DIRECT CONFLICT WITH THE PROJECT SHOULD BE DONE BY THE COMPANY AT THE DIRECTION OF THE ENGINEER. THE CONTRACTOR SHOULD ASCERTAIN THE EXTENT AS NO EXTRAS OR DELAYS WOULD BE GRANTED REGARDING THESE ACTIVITIES.

5. ADJUSTMENTS REQUIRED BY UTILITY COMPANIES WILL BE PERFORMED BY THE COMPANY INVOLVED OR IT'S CONTRACTOR. PLANS FOR THESE ADJUSTMENTS WILL BE ON FILE IN THE OFFICE OF THE COOK COUNTY HIGHWAY DEPARTMENT, BUREAU OF CONSTRUCTION FOR INFORMATION AND USE.

6. CO-ORDINATION OF ALL UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT A PRE-CONSTRUCTION CONFERENCE.

7. THE TYPE OF FRAMES AND GRATES REQUIRED FOR ALL CATCH BASINS AND MANHOLES LISTED IN THE SUMMARY OF QUANTITIES MAY BE FOUND ON THE PLANS AT THEIR RESPECTIVE LOCATIONS.

8. ON ALL IMPROVEMENTS THE FRAMES AND LIDS OF EXISTING CATCH BASINS, INLETS, MANHOLES AND VALVE VAULTS THAT ARE TO BE ABANDONED DUE TO CONSTRUCTION OF THIS IMPROVEMENT ARE TO BE SALVAGED BY THE CONTRACTOR. THE CONTRACTOR SHALL CONSIDER DISPOSAL COSTS AND SALVAGE VALUE OF ABANDONED FRAMES AND LIDS IN THE UNIT BID PRICE FOR NEW FRAMES AND LIDS.

9. EXTRA FRAMES AND GRATES HAVE BEEN ADDED TO THE SUMMARY OF QUANTITIES FOR ADJUSTMENT OR RECONSTRUCTION PURPOSES AS REQUIRED.

10. PREFORMED FLEXIBLE GASKETS ARE TO BE USED ON ALL CIRCULAR STORM SEWERS AND CULVERTS AND SHALL CONFORM TO ARTICLE 1056.01 OF THE STANDARD AND SUPPLEMENTAL SPECIFICATIONS. PIPE SHALL BE REINFORCED CONCRETE PIPE MEETING ASTM C76 WITH ASTM C361 JOINTS AND PREFORMED FLEXIBLE GASKET SHALL BE PROPERLY SEATED TO INSURE WATER TIGHTNESS. THIS WORK WILL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID PER FOOT FOR STORM SEWER OF SPECIFIED SIZE.

11. CHERT AGGREGATE SHALL NOT BE ALLOWED IN THE MANUFACTURE OF STORM SEWERS, END SECTIONS OR PRECAST DRAINAGE STRUCTURES.

12. THE VERTICAL AND HORIZONTAL CLEARANCES BETWEEN WATER MAINS AND PROPOSED OR EXISTING STORM SEWERS SHALL CONFORM TO THE LATEST EDITION OF THE I.E.P.A. DESIGN REQUIREMENTS AS STATED IN SECTION 653.119 OF TITLE 35 OF THE IL ADMINISTRATIVE CODE. WHEN IMPOSSIBLE TO MEET IDEAL CONDITIONS ONLY THE FOLLOWING METHODS RECOMMENDED BY THE I.E.P.A. WILL BE ACCEPTABLE TO THE ENGINEER:
   a. BOTH THE WATER MAIN AND THE SEWER SHALL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE, PVC PIPE OR PRESTRESS CONCRETE PIPE MEETING WATER MAIN STANDARDS; OR
   b. THE WATER MAIN SHALL BE INSTALLED INSIDE OF A STEEL OR PVC (SDR-[illegible] OR LESS) CASING PIPE; OR
   c. THE STORM SEWER CROSSING THE WATER MAIN SHALL BE REINFORCED CONCRETE PIPE MEETING ASTM C76 WITH ASTM C361 JOINTS AND PREFORMED FLEXIBLE GASKET IS PROPERLY SEATED TO INSURE WATER TIGHTNESS.

   THIS TREATMENT IS REQUIRED FOR A DISTANCE OF AT LEAST 10 FEET HORIZONTALLY ON EACH SIDE OF THE PERPENDICULAR CROSSING. ANY ADDITIONAL COST INCURRED IN COMPLYING WITH THE I.E.P.A. REGULATIONS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

13. WHERE DITCH REGRADING AND/OR RESHAPING IS INDICATED ON THE PLANS, THE RESIDENT ENGINEER SHALL DIRECT THE CONTRACTOR IN PROVIDING THE MINIMUM EXCAVATION AND/OR FILLING OF THE EXISTING DITCHES AND SWALES REQUIRED TO CORRECT A STANDING WATER PROBLEM OR THE BLOCKAGE OF THE POSITIVE DRAINAGE NORMALLY EXPECTED IN THE ROADSIDE DRAINAGE DITCH SYSTEM. THE CONTRACTOR IS TO UTILIZE THE EXISTING MATERIAL WITHIN THE DITCH AREA. UNLESS SPECIFIED OTHERWISE ON THE PLANS, NO BORROW EXCAVATION SHALL BE INTRODUCED ON THE JOB SITE. DITCH REGRADING AND/OR RESHAPING WILL BE PAID FOR AS GRADING AND SHAPING DITCHES. PAY ITEMS FOR LANDSCAPING RESTORATION (SEEDING OR SODDING) OF THE DISTURBED AREAS WILL BE PROVIDED IN THE SUMMARY OF QUANTITIES.

14. THE CONTRACTORS ATTENTION IS CALLED TO SPECIAL PROVISION STATUS OF UTILITIES TO BE ADJUSTED CONTAINED IN THE CONTRACT DOCUMENT.

15. ALL SANITARY SEWER MANHOLES TO BE ADJUSTED OR RECONSTRUCTED SHALL BE WATERPROOFED IN ACCORDANCE WITH SPECIAL PROVISION NO. 167 FOR WATERPROOFING SANITARY SEWER MANHOLES.

16. WHERE PIPE CULVERTS ARE TO BE REPLACED, EXTENDED OR WHERE END SECTIONS ARE TO BE ADDED, THE RESIDENT ENGINEER SHALL DIRECT THE CONTRACTOR TO MAINTAIN THE EXISTING FLOW LINE ELEVATIONS, UNLESS OTHERWISE SPECIFIED ON THE PLANS. IF DITCH REGRADING IS SPECIFIED IN CONJUNCTION WITH CULVERT CONSTRUCTION, THE DITCH REGRADING SHALL BE IN CONFORMANCE WITH THE GENERAL NOTE FOR THAT OPERATION.

17. IN COMPLIANCE WITH THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (I.E.P.A.), FOR CONSTRUCTION PROJECTS WHICH DISTURB ONE ACRE OR MORE TOTAL LAND AREA, THE RESIDENT ENGINEER AND THE CONTRACTOR SHALL COOPERATIVELY IMPLEMENT THE STORM WATER POLLUTION PREVENTION PLAN AS SPECIFIED IN THE SPECIAL PROVISION FOR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONTAINED IN THE CONTRACT DOCUMENTS.

18. QUANTITIES HAVE BEEN ADDED TO THE BILL OF MATERIALS FOR EROSION CONTROL. THESE ITEMS ARE TO BE PLACED AT THE DIRECTION OF THE ENGINEER AND ACCORDING TO SECTION 280 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

19. ITEMS WITH ASTERISKS ARE INCLUDED IN THE BILL OF MATERIALS FOR BIDDING PURPOSES ONLY. THESE ITEMS SHALL BE USED AT THE DIRECTION OF THE RESIDENT ENGINEER IF FIELD CONDITIONS REQUIRE THEIR USE.

20. QUANTITIES FOR THE REMOVAL OF EXISTING STORM SEWERS, PIPE CULVERTS AND DRAINAGE STRUCTURES HAVE BEEN ADDED TO THE BILL OF MATERIALS FOR THIS WORK.

21. ALL AREAS THAT HAVE BEEN REGRADED SHALL BE IMMEDIATELY STABILIZED WITH SODDING. IF STAGING PREVENTS IMMEDIATE PLACEMENT OF FINAL LANDSCAPING ALL AREAS THAT HAVE BEEN REGRADED SHALL BE STABILIZED WITH EROSION CONTROL BLANKET UNTIL THE FINAL LANDSCAPE SODDING IS INSTALLED. (USE WHEN THERE IS A QUANTITY OF SHAPING AND GRADING DITCHES IN RESIDENTIAL AREAS).

22. ESTIMATED QUANTITIES FOR INLET FILTERS AND INLET FILTER CLEANING HAVE BEEN ADDED TO THE BILL OF MATERIALS. THE ITEMS ARE TO BE INSTALLED AT EACH EXISTING DRAINAGE STRUCTURE AND CLEANED AS NECESSARY AT THE DIRECTION OF THE ENGINEER.

23. THE CONTRACTOR SHOULD CONTACT J.U.L.I.E. AT LEAST 48 HOURS BEFORE START OF CONSTRUCTION AT 1-800-892-0123.

24. ALL LATERAL CONNECTIONS TO STORM SEWERS SIZED 24 INCH OR LESS SHALL BE INSTALLED USING A "WYE" SECTION. THE COST OF THE WYE SECTIONS SHALL BE INCIDENTAL TO THE COST OF THE LATERAL PIPE. ALL OTHER SEWER CONNECTIONS TO MANHOLES, CATCH BASINS, INLETS AND OTHER SEWERS ARE TO BE INSTALLED WITH CORING AND PLACEMENT OF RUBBER BOOTS PER CCHD STANDARD D-60 FOR CORE AND BOOT CONNECTIONS. ALL PRECAST 2 FOOT DIAMETER DRAINAGE STRUCTURES SHALL HAVE A WALL THICKNESS OF 5 INCHES TO ACCOMMODATE THE GASKETED CONNECTIONS.

COUNTY OF COOK
DEPARTMENT OF HIGHWAYS

BILL OF MATERIALS
GENERAL NOTES
CENTRAL AVENUE

COMPUTED B.F.H. | APPROVED ______ 20[illegible]
DRAWN B.F.H.
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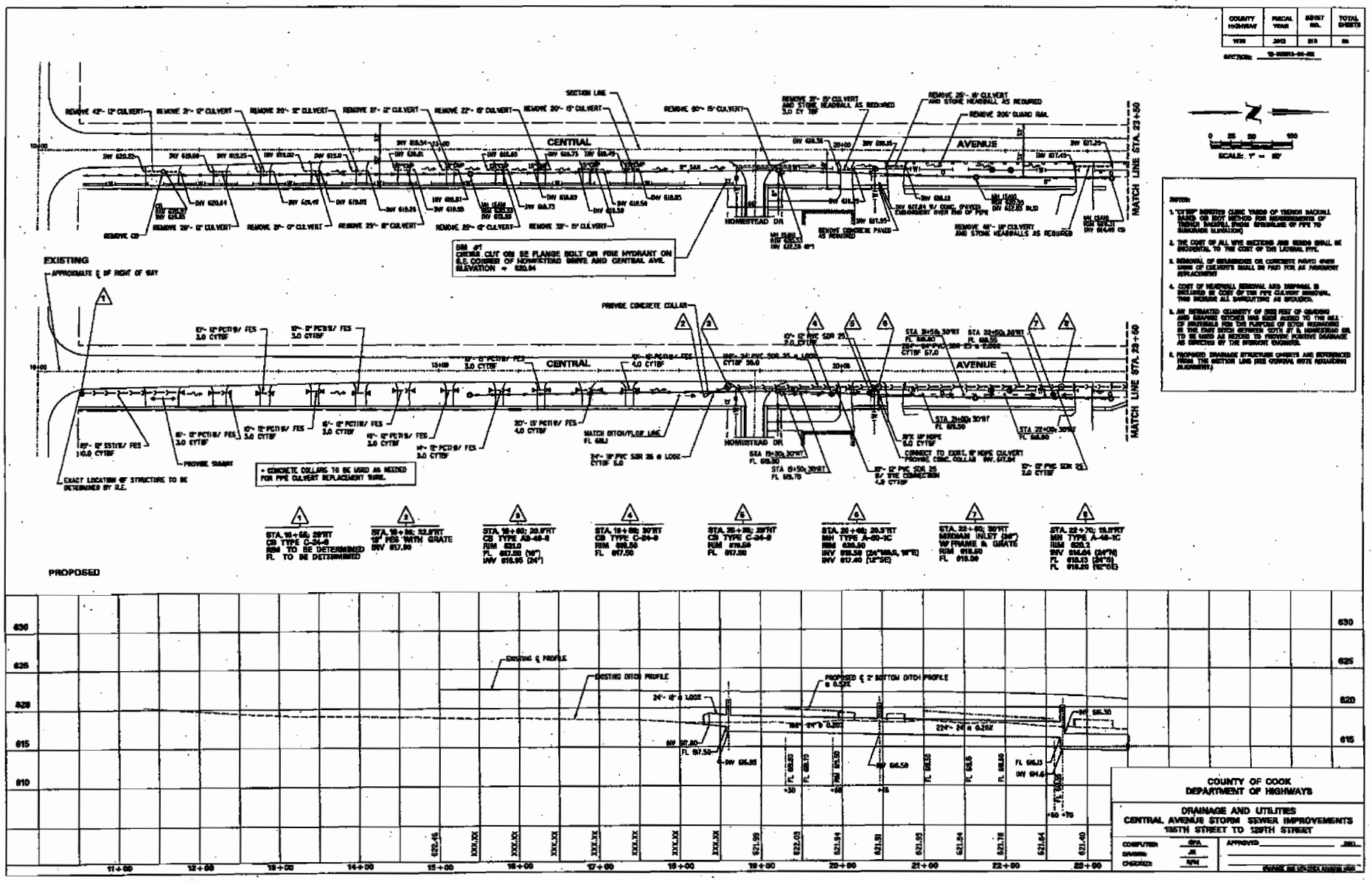
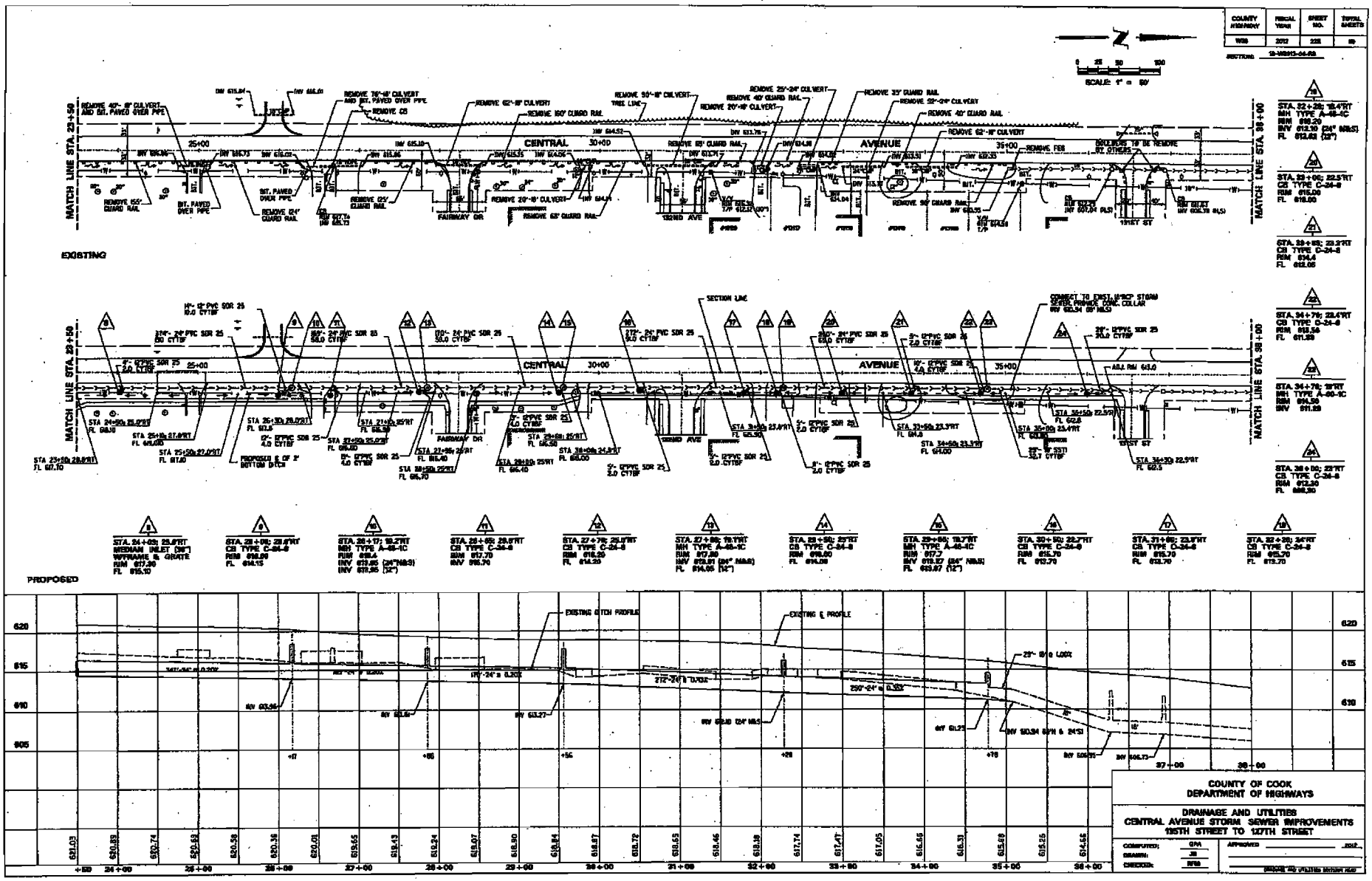


COUNTY HIGHWAY
FISCAL YEAR
SHEET NO.
TOTAL SHEETS
SECTION:
CENTRAL
AVENUE
HOMESTEAD DR
MATCH LINE STA. 23+50
EXISTING
PROPOSED
SECTION LINE
PROVIDE CONCRETE COLLAR
EXISTING ℄ PROFILE
EXISTING DITCH PROFILE
PROPOSED ℄ 2' BOTTOM DITCH PROFILE
COUNTY OF COOK
DEPARTMENT OF HIGHWAYS
DRAINAGE AND UTILITIES
CENTRAL AVENUE STORM SEWER IMPROVEMENTS
135TH STREET TO 129TH STREET
COMPUTER:
DRAWN:
CHECKED:
APPROVED


EXISTING
PROPOSED
CENTRAL AVENUE
MATCH LINE STA. 23+50
MATCH LINE STA. 38+00
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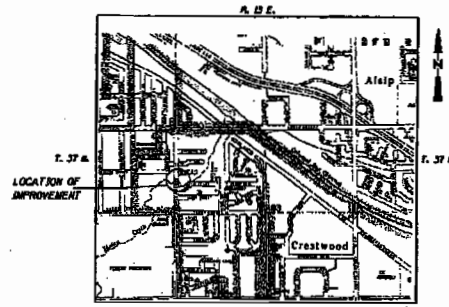
COUNTY OF COOK
DEPARTMENT OF HIGHWAYS
DRAINAGE AND UTILITIES
CENTRAL AVENUE STORM SEWER IMPROVEMENTS
135TH STREET TO 127TH STREET

INDEX OF SHEETS FOR STRUCTURE:

1. GENERAL NOTES AND BILL OF MATERIALS
2. GENERAL PLAN, ELEVATION AND CROSS-SECTION
3. APPROACH SLAB, DECK SLAB AND PARAPETS REPAIR DETAILS
4. FOR INFORMATION ONLY SHEET

GENERAL NOTES FOR STRUCTURE

1. THE CONTRACTOR'S ATTENTION IS CALLED TO SPECIAL PROVISION OF THE STATUS OF UTILITIES TO BE ADJUSTED AND COOPERATION WITH UTILITIES CONTAINED IN THE CONTRACT DOCUMENT.
2. COORDINATION OF UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT A PRE-CONSTRUCTION MEETING.
3. FOR TRAFFIC PROTECTION, SEE SPECIAL PROVISION AND TRAFFIC CONTROL STANDARD.
4. POLLUTION CONTROL: THE CONTRACTOR IS REQUIRED TO COMPLY WITH THE STATE REGULATIONS REGARDING LAND, AIR, WATER AND NOISE POLLUTIONS. NO EXTRA COMPENSATION WILL BE GIVEN TO THE CONTRACTOR FOR COMPLIANCE.
5. IN ACCORDANCE WITH ARTICLE 501.08 (b) OF THE STANDARD SPECIFICATIONS, BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THE ENGINEER AS TO THE METHOD OF EXECUTION HE PROPOSES TO FOLLOW, THE AMOUNT AND TYPE OF EQUIPMENT HE PROPOSES TO USE, WHICH SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
6. THE CONTRACTOR SHALL INSPECT THE SITE OF THE PROJECT AND BECOME FAMILIARIZED WITH ALL EXISTING CONDITIONS, TRAFFIC AND OTHER ITEMS THAT MAY AFFECT THE CONTRACT.
7. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURE AND ITS SURROUNDING AREAS HAVE BEEN TAKEN FROM EXISTING PLAN SHEETS AND ARE SUBJECT TO MINIMAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS IN THE FIELD AND TO MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AND ERECTED AT THE UNIT PRICE BID FOR THE WORK.
8. THE AREAS SHOWN ON THE PLAN SHEETS FOR CONCRETE REPAIRS ARE FOR VISUALIZATION PURPOSES ONLY. THE ACTUAL AREAS FOR REPAIRS SHALL BE DETERMINED AND MARKED BY THE RESIDENT ENGINEER BY SOUNDING THE CONCRETE DECK AND APPROACHES. THE CONTRACTOR SHALL PROVIDE A SAFE METHOD FOR THE ENGINEER TO ACCESS ANY LOCATION ON THE STRUCTURE AND THE COST SHALL BE INCIDENTAL TO THE WORK SPECIFIED.
9. ALL REINFORCEMENT BARS SHALL BE EPOXY COATED.
10. ALL REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. M-31, M-42 OR M-53, GRADE 60.
11. EXPOSED CONCRETE EDGES SHALL HAVE A ¾" x 45° CHAMFER EXCEPT WHERE OTHERWISE NOTED.
12. COARSE AGGREGATE IN THE CONCRETE SHALL MEET THE REQUIREMENTS AS SPECIFIED IN THE ARTICLE 1004.01 AND 1004.02 OF THE I.D.O.T. STANDARD SPECIFICATIONS.
13. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PREVENT THE FALLING OF CONCRETE, BITUMINOUS, TIMBER AND OTHER DEBRIS INTO THE WATERWAY DURING DECONSTRUCTION AND RECONSTRUCTION. DEBRIS FALLING INTO THE WATERWAY SHALL BE REMOVED AND DISPOSED OFF OF SITE BY THE CONTRACTOR AT HIS/HER OWN EXPENSE AS DIRECTED BY ENGINEER.
14. CONCRETE SHALL CONFORM TO THE APPLICABLE PORTION OF SECTION 1020 OF THE I.D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2012.
15. ANY ACCUMULATED DEBRIS WITHIN THE AREA OF THE PROJECT, AS A RESULT OF THE IMPROVEMENT, SHALL BE REMOVED AND DISPOSED OF SATISFACTORILY BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.
16. EPOXY CRACK INJECTION: MINOR CRACKS ON THE ABUTMENTS, RETAINING WALLS, DECK FASCIA, TRANSVERSE JOINT BETWEEN DECK AND APPROACH SLAB, APPROACH SLAB LONGITUDINAL JOINTS AND INCLUDING DECK UNDERSIDE AS DETERMINED BY THE ENGINEER, SHALL BE COMPLETELY FILLED WITH EPOXY IN ACCORDANCE WITH THE REQUIREMENTS OF SECTIONS 590 OF THE STANDARD SPECIFICATIONS.
17. STRUCTURAL REPAIR OF CONCRETE: ANY DEFECTIVE OR UNSOUND CONCRETE AREA IN THE ABUTMENTS, RETAINING WALLS, PARAPETS, CONCRETE POSTS, BRIDGE DECK FASCIA AND DECK UNDERSIDE, AS DETERMINED BY THE ENGINEER, SHALL BE REPAIRED IN ACCORDANCE WITH THE SPECIAL PROVISION FOR STRUCTURAL REPAIR OF CONCRETE. ANY EXISTING REINFORCEMENT BARS HAVING 25% OR MORE CROSS-SECTIONAL LOSS DUE TO CORROSION OR DAMAGED DUE TO CONCRETE REMOVAL SHALL BE REPLACED WITH SUPPLEMENTAL REINFORCEMENT BARS, EPOXY COATED, AS DIRECTED BY THE ENGINEER. A QUANTITY OF 330 POUNDS OF EPOXY COATED REINFORCEMENT WAS BEEN INCLUDED FOR THIS PURPOSE. BARS SHALL BE LAPPED A MINIMUM OF 32 BAR DIAMETERS TO EXISTING BARS. SEE SPECIAL PROVISION FOR STRUCTURAL REPAIR OF CONCRETE.
18. DECK SLAB REPAIR: ANY DEFECTIVE OR UNSOUND CONCRETE AREA IN THE BRIDGE DECK AS DETERMINED AND MARKED BY THE ENGINEER, SHALL BE REPAIRED IN ACCORDANCE WITH THE SPECIAL PROVISION FOR DECK SLAB REPAIR. ANY EXISTING REINFORCEMENT BARS HAVING 25% OR MORE CROSS-SECTIONAL LOSS DUE TO CORROSION OR DAMAGED DUE TO CONCRETE REMOVAL SHALL BE REPLACED WITH SUPPLEMENTAL REINFORCEMENT BARS, EPOXY COATED, AS DIRECTED BY THE ENGINEER. BARS SHALL BE LAPPED A MINIMUM OF 32 BAR DIAMETERS TO EXISTING BARS. THE FURNISHING AND REPLACING OF SUPPLEMENTAL REINFORCEMENT BARS SHALL NOT BE INCLUDED IN THIS PAY ITEM, BUT SHALL BE INCLUDED IN THE PAY ITEM "REINFORCEMENT BARS, EPOXY COATED". FOR FURTHER DETAILS, SEE SPECIAL PROVISION FOR DECK SLAB REPAIR.
19. FOR DC/DA CONCRETE AND HOT-MIX ASPHALT MIXTURES, SEE THE SPECIAL PROVISIONS.
20. FOR WATERPROOFING MEMBRANE (SPECIAL), REFER TO SPECIAL PROVISION.
21. ALL EXISTING BOLTS OR BOLT INSERTS FORMERLY USED BUT ABANDONED FOR CURBRAIL ATTACHMENT SHALL BE REMOVED AND CONCRETE PATCHED. THIS WORK SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE PAY ITEM "STRUCTURAL REPAIR OF CONCRETE".
22. ASPHALT FILLER, GRADE PAF-2, CONFORMING TO SECTION 1032.11 OF THE STANDARD SPECIFICATIONS SHALL BE APPLIED AS A SEALANT ALONG THE EDGE OF THE BRIDGE DECK HOT-MIX ASPHALT SURFACE COURSE AT THE SIDEWALK CURB, AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. FURNISHING AND POURING OF THE ASPHALT FILLER SHALL BE INCLUDED IN THE UNIT BID COST FOR "HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N=50 OR 9.5, NFG".
23. THE FINISHED SURFACE OF HOT-MIX ASPHALT SURFACE COURSE, MIX 'D', N=50 OR 9.5, NFG WITH WATERPROOFING MEMBRANE (SPECIAL) SHALL MATCH THE EXISTING ELEVATION AND TRANSVERSE SLOPE.



R. 13 E.
LOCATION MAP
WORTH TOWNSHIP
N.T.S.

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ. YD.	15
APPROACH SLAB REPAIR (FULL DEPTH)	SQ. YD.	12
BITUMINOUS MATERIALS (PRIME COAT)	GAL.	49
DECK SLAB REPAIR (PARTIAL DEPTH)	SQ. YD.	40
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ. YD.	40
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ. YD.	40
EPOXY CRACK INJECTION	POUP	100
FILTER FABRIC	SQ. YD.	25
HOT-MIX ASPHALT SURFACE REMOVAL, 2 IN.	SQ. YD.	178
** HOT-MIX ASPHALT SURFACE REMOVAL (VARIES, 2½" MIN.)	SQ. YD.	217
* HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N=12.5 OR 9.5, NFG	TON	45
REINFORCEMENT BARS, EPOXY COATED	POUND	330
STONE RIPRAP, CLASS A4	SQ. YD.	25
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 IN.)	SQ. FT.	300
STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 IN.)	SQ. FT.	150
WATERPROOFING MEMBRANE (SPECIAL)	SQ. YD.	217

* = 20.1 Ton (Approach Slabs) + 24.9 Ton (Deck)

** Includes ½" Waterproofing Membrane System Removal

BITUMINOUS MIX REQUIREMENTS

PAY ITEM	AC TYPE	RAP % MAX.	DESIGN AIR VOIDS
HOT MIX ASPHALT SURFACE COURSE, MIX "D", N=12.5 OR 9.5, NFG	PG 64-22	15%	4% AT 70 GYRATIONS

I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THIS BRIDGE DESIGN IS STRUCTURALLY ADEQUATE FOR THE DESIGN LOADING SHOWN ON THE PLAN. THE DESIGN IS AN ECONOMICAL ONE FOR THE STYLE OF STRUCTURE AND COMPLIES WITH THE REQUIREMENTS OF THE CURRENT "AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES".

PRAVIN J. PATEL — 062-057511 — LICENSED STRUCTURAL ENGINEER — STATE OF ILLINOIS

EXPIRES ON 11 / 30 / 2014

DESCRIPTION OF IMPROVEMENT

THE IMPROVEMENT INCLUDE THE STRUCTURAL REPAIR OF CONCRETE TO BRIDGE SIDEWALK, CURB FACES, PARAPETS, CONCRETE POSTS, FASCIA, DECK UNDERSIDE AND SUBSTRUCTURE, PERFORM EPOXY CRACK INJECTION TO THE BRIDGE DECK, BRIDGE APPROACHES, ABUTMENT WALLS AND RETAINING WALLS. PLACE STONE RIP RAP AT THE STORM SEWER OUTFALLS ADJACENT TO THE BRIDGE. REMOVE AND REPLACE EXISTING WATERPROOFING MEMBRANE. RESURF AND REPLACE THE EXISTING HOT -MIX ASPHALT SURFACE. PERFORM DECK SLAB AND APPROACH SLAB REPAIRS AS REQUIRED.

LENGTH OF IMPROVEMENT- FROM STA. 46+25.6 TO STA. 47+13.9 = 87'-4"

(REVISION)		
DATE	BY	
6/4/13	GJH	REPLACED PAY ITEM WATERPROOFING MEMBRANE SYSTEM WITH WATERPROOFING MEMBRANE (SPECIAL)

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

GENERAL NOTES AND BILL OF MATERIALS
CENTRAL AVENUE BRIDGE OVER TIMLEY CREEK
SN: 016-3053

COMPUTED	G.R.
CHECKED	G.R.
DRAWN	R.C.H.
CHECKED	G.R./M.S.

SUBMITTED February 4, 2013
EXAMINED 2/4/2013

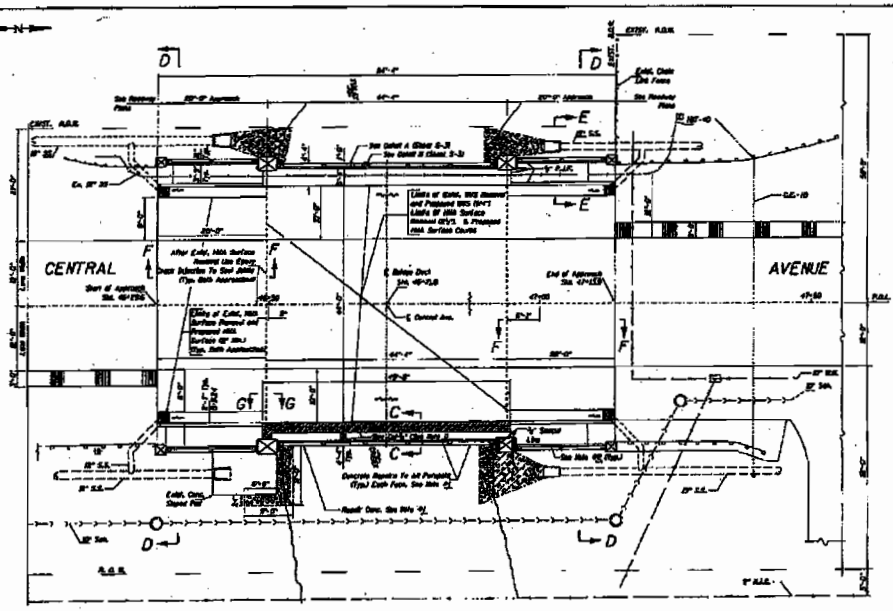
9-30	2012	2-49	

SECTION NUMBER: 12-W3613-02-BR
SHEET 5-1

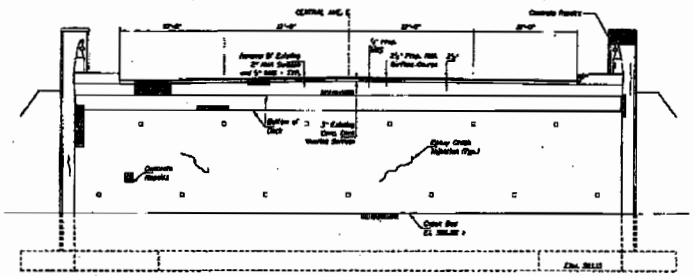
5-1 gen notes sum quant.dgn 2/4/2013 2:53:09 PM

COUNTY SECTION NUMBER	FED. ROAD NO.	PROJECT NO.	SHEET NO.
16B	20IE	25R	

SECTION NUMBER 16-B3BRG-03-BR
SHEET 3 OF 8

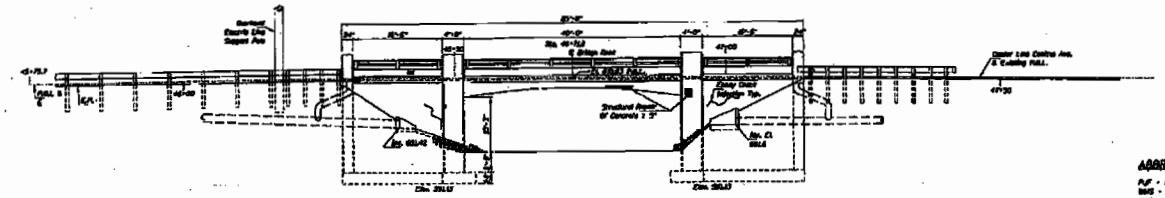


PLAN VIEW
SCALE : 1" = 10'-0"



ELEVATION VIEW
WITH CROSS-SECTION OF BRIDGE DECK
SCALE: 3/8" = 1'-0"

EXISTING PROFILE GRADE LINE
SCALE : 1" = 10'-0"



ELEVATION
LOOKING WEST FROM EAST SIDE
SCALE : 1" = 10'-0"

DESIGN STRESSES

REINFORCEMENT BARS
A. YIELD STRESS OF STEEL _____ 60,000 P.S.I.

CONCRETE
SPECIFIED COMPRESSIVE STRENGTH OF CONCRETE _____ f'c=3,500 P.S.I.

SPECIFICATIONS

A. AASHTO SPECIFICATIONS FOR HIGHWAY BRIDGES 17th EDITION 2002
B. ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2002 ASSUMED TO GOVERN.
C. SPECIAL PROVISIONS

NOTES

1. SEE GENERAL NOTE 2 & 4 ON SHEET 2-1.
2. THE ENGINEER SHALL DIRECT THE CONTRACTOR TO CLEAN AND REMOVE ACCUMULATED DEBRIS BETWEEN THE TOP OF DECK SIDEWALK AND THE JOINTS AT THE BASE OF VERTICAL FACES AT ALL CORNERS OF BRIDGE DECK AND APPROACHES AFTER CLEANING THE CONTRACTOR SHALL SEAL THE CLEANED JOINTS WITH A SUITABLE IMPERVIOUS TO PREVENT WATER PENETRATION. COST IS INCIDENTAL TO "STRUCTURAL REPAIR OF CONCRETE".
3. STONE RIP RAP PLACEMENT AS SHOWN ON THE PLANS IS FOR VISUAL PURPOSES ONLY. THE ENGINEER SHALL INSPECT ALL RIP RAP LOCATIONS AND DIRECT THE CONTRACTOR ON PLACEMENT OF STONE RIP RAP.

ABBREVIATIONS

P.F. = Preformed Joint Filler
WMS = Waterproofing Membrane
HMA = Hot-Mix Asphalt
Exist. = Existing
Typ. = Typical
Conc. = Concrete

LEGEND
- STONE RIP RAP WITH FILTER FABRIC
- CONCRETE REMOVAL FOR REPAIR
- EXISTING HMA SURFACE COURSE AND WATERPROOFING MEMBRANE SYSTEM REMOVAL
- PROPOSED HMA SURFACE COURSE WITH WATERPROOFING MEMBRANE SYSTEM

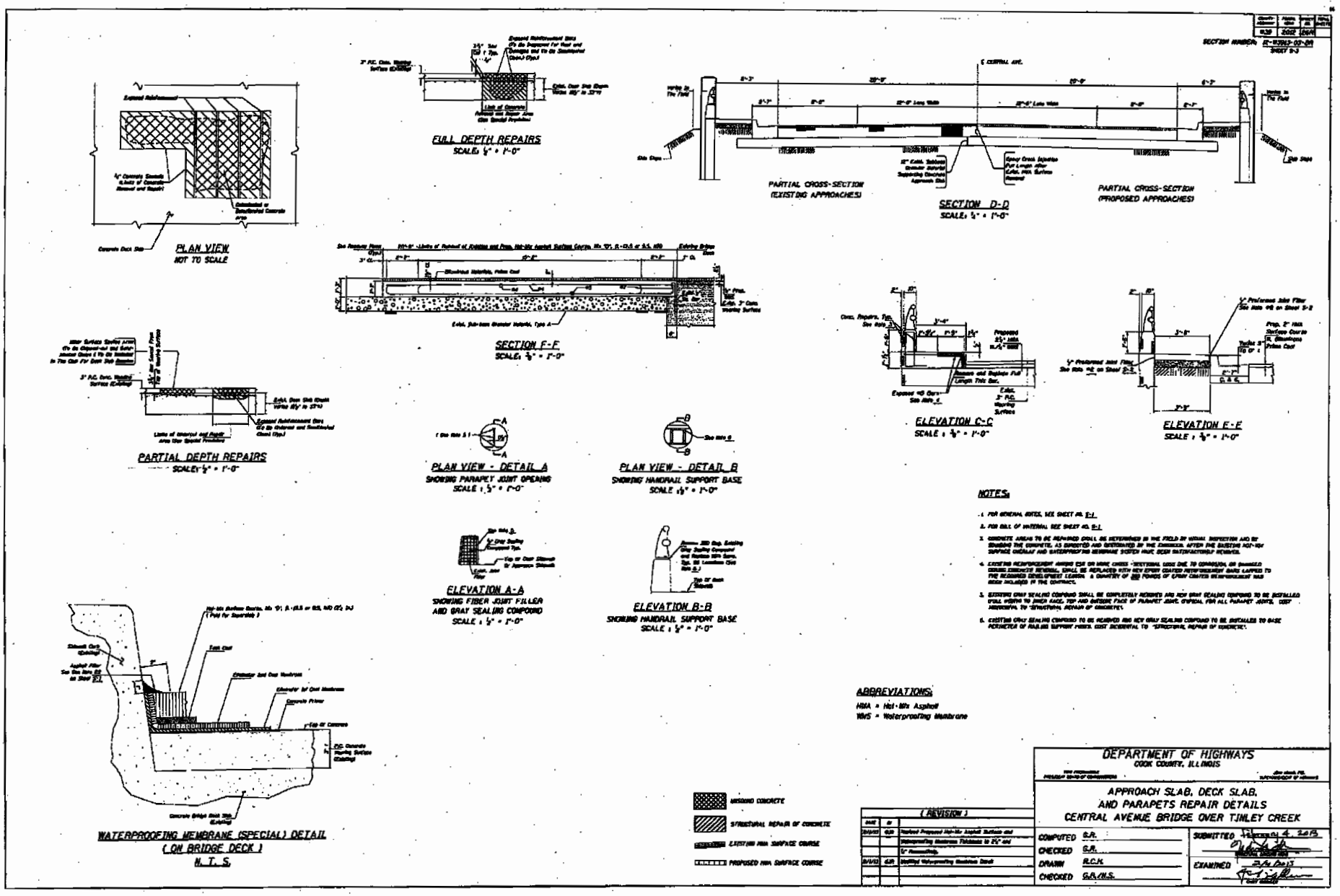
REVISIONS		
DATE	BY	
8/2/13	GR	Revised Proposed Hot-Mix Asphalt Surface and Thickness/Pre-Existing Thickness to 3½" and 4" Repaving.

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

GENERAL PLAN, ELEVATION AND CROSS-SECTION
CENTRAL AVE. OVER TIMLEY CREEK
STRUCTURE NO. 016-3053

COMPUTED	G.R.
CHECKED	G.R.
DRAWN	R.C.H.
CHECKED	G.R./M.S.

SUBMITTED January 6, 2015
EXAMINED 2/24/2015



PLAN VIEW
NOT TO SCALE
FULL DEPTH REPAIRS
SCALE: 1/2" = 1'-0"
PARTIAL CROSS-SECTION
(EXISTING APPROACHES)
SECTION D-D
SCALE: 1/4" = 1'-0"
PARTIAL CROSS-SECTION
(PROPOSED APPROACHES)
SECTION F-F
SCALE: 3/8" = 1'-0"
PARTIAL DEPTH REPAIRS
SCALE: 1/2" = 1'-0"
ELEVATION C-C
SCALE: 3/8" = 1'-0"
ELEVATION E-E
SCALE: 3/8" = 1'-0"
PLAN VIEW - DETAIL A
SHOWING PARAPET JOINT OPENING
SCALE: 1/2" = 1'-0"
PLAN VIEW - DETAIL B
SHOWING HANDRAIL SUPPORT BASE
SCALE: 1/2" = 1'-0"
ELEVATION A-A
SHOWING FIBER JOINT FILLER
AND GRAY SEALING COMPOUND
SCALE: 1/2" = 1'-0"
ELEVATION B-B
SHOWING HANDRAIL SUPPORT BASE
SCALE: 1/2" = 1'-0"
WATERPROOFING MEMBRANE (SPECIAL) DETAIL
(ON BRIDGE DECK)
N. T. S.
NOTES:
1. FOR GENERAL NOTES, SEE SHEET NO. 5-1.
2. FOR BILL OF MATERIAL SEE SHEET NO. 5-1.
ABBREVIATIONS:
HMA = Hot-Mix Asphalt
WMS = Waterproofing Membrane
MISSING CONCRETE
STRUCTURAL REPAIR OF CONCRETE
EXISTING HMA SURFACE COURSE
PROPOSED HMA SURFACE COURSE
(REVISION)
DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS
APPROACH SLAB, DECK SLAB,
AND PARAPETS REPAIR DETAILS
CENTRAL AVENUE BRIDGE OVER TIMLEY CREEK
COMPUTED G.R.
CHECKED G.R.
DRAWN R.C.H.
CHECKED G.R./N.S.
SUBMITTED February 4, 2013
EXAMINED 2/4/2013

Pre-Bid Sign-In Sheet – January 30, 2013
69 West Washington, Room 2260 at 11:00 am
Contract #13-23-022: Group 1 – 2013

Attendee Name: Perry Brooks Company Name: K-Five Company Address: Telephone: (630) 257-5600 Fax: (630) 257-6788 E-Mail: PerryB@K-Five.NET Please print clearly	K-FIVE CONSTRUCTION CORPORATION 13769 MAIN STREET LEMONT, ILLINOIS 60439 PERRY BROOKS (630) 257-5600 Fax: (630) 257-6788 email: perryb@k-five.net www.k-five.net
Attendee Name: Mike Brunke Company Name: Gallagher Asphalt Company Address: Telephone: 708-877-7160 Fax: 708-877-5222 E-Mail: MBRUNKE@GALLAGHERASPHALT.COM Please print clearly	GALLAGHER ASPHALT SITE GENERAL CONTRACTORS ASPHALT PAVING MIXTURES PAVING CONTRACTORS 18100 S. Indiana Avenue • Thornton, IL 60476 708/877-7160 • FAX: 708/877-5222 email: mbrunke@gallagherasphalt.com www.gallagherasphalt.com MICHAEL E. BRUNKE Estimator
Attendee Name: Leo Lorenzo Company Name: Concrete Structures Company Address: 1845 Western Av. West Chicago, IL 60185 Telephone: 630-293-5775 Fax: 630-293-5814 E-Mail: nlorenzo@concretestructures.net Please print clearly	(Business Card)
Attendee Name: Erik Sundquist Company Name: Plote Construction, Inc. Company Address: 1100 Brandt Dr. Hoffman Estates, IL 60192 Telephone: 847-628-6073 Fax: 847-695-9317 E-Mail: esundquist@plote.com Please print clearly	(Business Card)

Pre-Bid Sign-In Sheet – January 30, 2013
69 West Washington, Room 2260 at 11:00 am
Contract #13-23-022: Group 1 – 2013

Attendee Name: John W. Company Name: A. Lamp Con. Company Address: 1900 Wright Blvd Schaumburg Telephone: 847-891-6000 Fax: 847-891-6100 E-Mail: JMeyer AT Alamp.com Please print clearly	{Business Card}
Attendee Name: BOB MACK Company Name: CCDOTH Company Address: 69 W. WASHINGTON CHICAGO ILLINOIS 60602 Telephone: 312-603-1711 Fax: 312-603-9957 E-Mail: robert.mack1@cookcountyil.gov Please print clearly	{Business Card}
Attendee Name: GUILLERMO RAMOS Company Name: CCDOTH **Company Address:** 69 W WASHINGTON CHICAGO IL 60602 Telephone: 1741 312-603-~~1741~~ E-Mail: guillermo.ramos@cookcountyil.gov Please print clearly	{Business Card}
Attendee Name: Jim Kennedy Company Name: Burger Excavating Contractors, Inc. Company Address: 1205 Garland Rd. Wauconda, IL 60084 Telephone: (847) 526-5457 Fax: (847) 526-4904 E-Mail: jkennedy@burgerexcavating.com Please print clearly	

OFFICE 312/603-5574
FAX 312/603-4547
sergio.silva@cookcountyil.gov

SERGIO SILVA
CONTRACT COMPLIANCE OFFICER
CONTRACT COMPLIANCE
COOK COUNTY GOVERNMENT

COOK COUNTY BUILDING
118 N. CLARK ST., RM. 1020
CHICAGO, ILLINOIS 60602

THE BOARD OF COMMISSIONERS
TONI PRECKWINKLE, PRESIDENT

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Deborah Sims	5th Dist.	Gregg Goslin	14th Dist.
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Peter N. Silvestri	9th Dist.		

COUNTY OF COOK
BUREAU OF FINANCE
OFFICE OF THE CHIEF PROCUREMENT OFFICER
SHANNON E. ANDREWS
CHIEF PROCUREMENT OFFICER

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

February 8, 2013

ADDENDUM NO. 2

Contract Document No. 13-23-022
Group 1-2013

General: This Addendum No. 2 revises the Bid documents. This Addendum No. 2 is issued to bidders of record prior to execution of contract, and forms a part of contract documents and modifies previously issued Bid documents. Insofar as previously issued Bid documents are inconsistent with the modifications indicated by this Addendum No. 2, modifications indicated by this Addendum No. 2 shall govern. Where any part of the Bid documents are modified by this Addendum No. 2, all unaltered provisions shall remain in effect.

This Addendum No. 2 provides an extension to the Proposal Due Date. **The Proposal Due Date has been postponed from Wednesday, February 13, 2013 at 10:00 am to Wednesday, February 20, 2013 at 10:00 am.** This Addendum No. 2 also provides a revised Schedule of Prices. Please take this information into consideration on your proposal. Please acknowledge this addendum in your proposal.

1. **Revised Schedule of Prices (6 pages)**

   Remove Schedule of Prices and replace with Schedule of Prices – Addendum No. 2

   - The revised Schedule of Prices includes Contract Extra Work (100,000 Units).

2. **Sheet 02R1 of 89 (6 pages)**

   - The revised Summary of Quantities – Revised includes Contract Extra Work (100,000 Units).

Printed on Recycled Paper

CONTRACTOR: _____

GROUP 1-2013: 104TH AVE, S OF 167TH ST., SEC.: 12-W2508-01-DR;
151ST ST AT JACK HILLE MIDDLE SCHOOL, SEC.: 12-B5626-02-TL; and CENTRAL AVE,
135TH ST TO 127TH ST, SEC.: 12-W3913-04-RS

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
1	220	CU.YD.	BORROW EXCAVATION	$ -	$ -
2	1,185	CU.YD.	EARTH EXCAVATION	$ -	$ -
3	300	FOOT	GRADING AND SHAPING DITCHES	$ -	$ -
4	136	POUND	NITROGEN FERTILIZER NUTRIENT	$ -	$ -
5	136	POUND	PHOSPHORUS FERTILIZER NUTRIENT	$ -	$ -
6	136	POUND	POTASSIUM FERTILIZER NUTRIENT	$ -	$ -
7	0.2	ACRE	SEEDING, CLASS 7	$ -	$ -
8	6,311	SQ.YD.	SODDING	$ -	$ -
9	3,086	SQ.YD.	SODDING, SALT TOLERANT	$ -	$ -
10	93.2	UNIT	SUPPLEMENTAL WATERING	$ -	$ -
11	10,317	SQ.YD.	TOPSOIL FURNISH AND PLACE, 4 IN	$ -	$ -
12	20	UNIT	TREE REMOVAL (6 TO 15 UNITS DIA)	$ -	$ -
13	2,040	SQ.YD.	EROSION CONTROL BLANKET	$ -	$ -
14	100	SQ.YD.	FILTER FABRIC	$ -	$ -
15	14	EACH	INLET AND PIPE PROTECTION	$ -	$ -
16	16	EACH	INLET FILTERS	$ -	$ -
17	200	FOOT	PERIMETER EROSION BARRIER	$ -	$ -
18	25	SQ.YD.	STONE RIPRAP, CLASS A4	$ -	$ -
19	47	TON	AGGREGATE (PRIME COAT)	$ -	$ -
20	274	SQ.YD.	AGGREGATE BASE COURSE, TYPE B, 10 IN	$ -	$ -
21	799	SQ.YD.	AGGREGATE BASE COURSE, TYPE B, 4 IN	$ -	$ -
22	1,006	SQ.YD.	AGGREGATE BASE COURSE, TYPE B, 8 IN	$ -	$ -
23	1	L.SUM	CRUSHED STONE (TEMPORARY USE)	$ -	$ -
24	118,000	GAL.	BITUMINOUS MATERIALS (COLD IN-PLACE RECYCLING)	$ -	$ -
25	660	GAL.	BITUMINOUS MATERIALS (PRIME COAT)	$ -	$ -
26	21,004	SQ.YD.	COLD RECYCLED IN-PLACE BITUMINOUS BASE COURSE, 8 IN	$ -	$ -
27	2	EACH	CONSTRUCTING TEST STRIP	$ -	$ -
28	3,326	FOOT	CUTTING HOT-MIX ASPHALT SURFACE	$ -	$ -

(CONTINUED ON NEXT PAGE)

CONTRACTOR: _____

GROUP 1-2013: 104TH AVE, S OF 167TH ST., SEC.: 12-W2508-01-DR;
151ST ST AT JACK HILLE MIDDLE SCHOOL, SEC.: 12-B5626-02-TL; and CENTRAL AVE,
135TH ST TO 127TH ST, SEC.: 12-W3913-04-RS

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
29	3,052	TON	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	$ -	$ -
30	1,620	SQ.YD.	HOT-MIX ASPHALT DRIVEWAY SURFACE REMOVAL	$ -	$ -
31	34	SQ.YD.	HOT-MIX ASPHALT SHOULDERS, 6 IN	$ -	$ -
32	2,541	TON	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-12.5 OR 9.5, N70	$ -	$ -
33	178	SQ.YD.	HOT-MIX ASPHALT SURFACE REMOVAL, 2 IN	$ -	$ -
34	23,214	SQ.YD.	HOT-MIX ASPHALT SURFACE REMOVAL, 4 IN	$ -	$ -
35	975	TON	LEVELING BINDER (MACHINE METHOD) IL-9.5, N50	$ -	$ -
36	594	FOOT	TEMPORARY BUTT JOINTS	$ -	$ -
37	6,018	SQ.FT.	PORTLAND CEMENT CONCRETE SIDEWALK, 5 IN	$ -	$ -
38	1,155	SQ.FT.	PORTLAND CEMENT CONCRETE SIDEWALK, 8 IN	$ -	$ -
39	45	FOOT	COMBINATION CURB AND GUTTER REMOVAL	$ -	$ -
40	450	SQ.FT.	SIDEWALK REMOVAL	$ -	$ -
41	303	SQ.YD.	PAVEMENT REPLACEMENT	$ -	$ -
42	100	SQ.FT.	SIDEWALK REMOVAL AND REPLACEMENT	$ -	$ -
43	2,009	FOOT	CRACK ROUTING AND SEALING	$ -	$ -
44	48	SQ.FT.	DETECTABLE WARNINGS	$ -	$ -
45	45	FOOT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	$ -	$ -
46	6	CAL.MO.	ENGINEERS FIELD OFFICE, TYPE A	$ -	$ -
47	1	L.SUM	CONSTRUCTION LAYOUT STAKES AND SURVEY CONTROL POINTS	$ -	$ -
48	2	EACH	SURVEY MONUMENTS	$ -	$ -
49	1,073	FOOT	GUARDRAIL REMOVAL	$ -	$ -
50	40	SQ.YD.	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	$ -	$ -
51	40	SQ.YD.	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	$ -	$ -
52	40	SQ.YD.	DECK SLAB REPAIR (PARTIAL DEPTH)	$ -	$ -
53	100	FOOT	EPOXY CRACK INJECTION	$ -	$ -
54	300	SQ.FT.	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 IN)	$ -	$ -
55	150	SQ.FT.	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 IN)	$ -	$ -
56	217	SQ.FT.	WATERPROOFING MEMBRANE SYSTEM (SPECIAL)	$ -	$ -

(CONTINUED ON NEXT PAGE)

CONTRACTOR: _____

GROUP 1-2013: 104TH AVE, S OF 167TH ST., SEC.: 12-W2508-01-DR;
151ST ST AT JACK HILLE MIDDLE SCHOOL, SEC.: 12-B5626-02-TL; and CENTRAL AVE,
135TH ST TO 127TH ST, SEC.: 12-W3913-04-RS

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
57	217	SQ.YD.	HOT-MIX ASPHALT SURFACE REMOVAL (DECK) 2 1/2 IN	$ -	$ -
58	380	POUND	REINFORCEMENT BARS, EPOXY COATED	$ -	$ -
59	35	SQ.YD.	APPROACH SLAB REPAIR (FULL DEPTH)	$ -	$ -
60	35	SQ.YD.	APPROACH SLAB REPAIR (PARTIAL DEPTH)	$ -	$ -
61	201	FOOT	PIPE CULVERT REMOVAL, 12 IN	$ -	$ -
62	175	FOOT	PIPE CULVERT REMOVAL, 15 IN	$ -	$ -
63	443	FOOT	PIPE CULVERT REMOVAL, 18 IN	$ -	$ -
64	77	FOOT	PIPE CULVERT REMOVAL, 24 IN	$ -	$ -
65	4.3	CU.YD.	CONCRETE COLLAR	$ -	$ -
66	86	FOOT	PIPE CULVERTS, TYPE 1 (RCCP CLASS IV) 12 IN	$ -	$ -
67	70	FOOT	PIPE CULVERTS, TYPE 1 (RCCP CLASS IV) 15 IN	$ -	$ -
68	22	FOOT	PIPE CULVERTS, TYPE 1 (RCCP CLASS IV) 18 IN	$ -	$ -
69	150	FOOT	PIPE UNDERDRAINS, PERFORATED CORRUGATED POLYETHYLENE (PE) PIPE WITH A SMOOTH INTERIOR,	$ -	$ -
70	154	FOOT	STORM SEWERS (POLYVINYL CHLORIDE) SDR 25, TYPE 1, 12 IN	$ -	$ -
71	24	FOOT	STORM SEWERS (POLYVINYL CHLORIDE) SDR 26, 18 IN	$ -	$ -
72	18	FOOT	STORM SEWERS, TYPE 1 (HDPE) 18 IN	$ -	$ -
73	13	FOOT	STORM SEWERS, TYPE 1 (HDPE) 6 IN	$ -	$ -
74	95	FOOT	STORM SEWERS, TYPE 1 (RCCP CLASS IV) 12 IN	$ -	$ -
75	29	FOOT	STORM SEWERS, TYPE 1 (RCCP CLASS IV) 18 IN	$ -	$ -
76	2	EACH	CATCH BASINS TO BE ADJUSTED	$ -	$ -
77	2	EACH	CATCH BASINS TO BE REMOVED	$ -	$ -
78	1	EACH	CATCH BASINS, TYPE A2, 4 FT DIA WITH FRAME AND GRATE	$ -	$ -
79	15	EACH	CATCH BASINS, TYPE C, 2 FT DIA WITH FRAME AND GRATE	$ -	$ -
80	3	EACH	FRAMES AND LIDS TO BE ADJUSTED, SPECIAL (PAVEMENT RECYCLING)	$ -	$ -
81	1	EACH	FLARED END SECTIONS TO BE REMOVED (18 IN DIA RCCP)	$ -	$ -
82	16	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 12 IN	$ -	$ -
83	6	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 15 IN	$ -	$ -

(CONTINUED ON NEXT PAGE)

CONTRACTOR: _____

GROUP 1-2013: 104TH AVE, S OF 167TH ST., SEC.: 12-W2508-01-DR;
151ST ST AT JACK HILLE MIDDLE SCHOOL, SEC.: 12-B5626-02-TL; and CENTRAL AVE,
135TH ST TO 127TH ST, SEC.: 12-W3913-04-RS

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
84	1	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 18 IN WITH GRATE	$ -	$ -
85	2	EACH	MEDIAN INLET, 3 FT DIA WITH FRAME AND GRATE	$ -	$ -
86	5	EACH	MANHOLES, TYPE A, 4 FT DIA WITH FRAME AND GRATE	$ -	$ -
87	2	EACH	MANHOLES, TYPE A, 5 FT DIA WITH FRAME AND GRATE	$ -	$ -
88	2	EACH	WATERPROOFING SANITARY MANHOLES TO BE ADJUSTED	$ -	$ -
89	2	EACH	SANITARY MANHOLES TO BE ADJUSTED	$ -	$ -
90	1,645	FOOT	STORM SEWERS (POLYVINYL CHLORIDE) SDR 25, TYPE 1, 24 IN	$ -	$ -
91	2	EACH	VALVE BOXES TO BE ADJUSTED	$ -	$ -
92	2	EACH	VALVE VAULTS TO BE ADJUSTED	$ -	$ -
93	689	CU.YD.	TRENCH BACKFILL	$ -	$ -
94	14	TON	AGGREGATE DITCH CHECKS	$ -	$ -
95	3	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	$ -	$ -
96	1	L.SUM	TRAFFIC CONTROL DEVICES - DETOUR ROUTING	$ -	$ -
97	1	L.SUM	TRAFFIC PROTECTION	$ -	$ -
98	5,800	FOOT	PAVEMENT MARKING TAPE, TYPE III, 4 IN	$ -	$ -
99	230	SQ.FT.	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	$ -	$ -
100	900	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 12 IN	$ -	$ -
101	60	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 24 IN	$ -	$ -
102	15,400	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 4 IN	$ -	$ -
103	600	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 6 IN	$ -	$ -
104	2	EACH	PEDESTRIAN COUNTDOWN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	$ -	$ -
105	1	EACH	PEDESTRIAN COUNTDOWN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	$ -	$ -
106	4	EACH	PEDESTRIAN PUSH-BUTTON	$ -	$ -
107	1	EACH	FULL-ACTUATED CONTROLLER AND TYPE SUPER-P CABINET	$ -	$ -
108	2	EACH	INDUCTIVE LOOP DETECTOR	$ -	$ -
109	1	EACH	UNINTERRUPTIBLE POWER SUPPLY WITHOUT CABINET	$ -	$ -
110	1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 24 FT AND 32 FT AND LIGHTING ARM, 15 FT	$ -	$ -

(CONTINUED ON NEXT PAGE)

CONTRACTOR: _____

GROUP 1-2013: 104TH AVE, S OF 167TH ST., SEC.: 12-W2508-01-DR;
151ST ST AT JACK HILLE MIDDLE SCHOOL, SEC.: 12-B5626-02-TL; and CENTRAL AVE,
135TH ST TO 127TH ST, SEC.: 12-W3913-04-RS

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
111	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT	$ -	$ -
112	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT	$ -	$ -
113	1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT	$ -	$ -
114	2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT	$ -	$ -
115	1	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	$ -	$ -
116	7	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	$ -	$ -
117	1	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	$ -	$ -
118	7	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	$ -	$ -
119	90	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2 IN DIA	$ -	$ -
120	525	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 IN DIA	$ -	$ -
121	190	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4 IN DIA	$ -	$ -
122	12	FOOT	CONCRETE FOUNDATION, TYPE A	$ -	$ -
123	4	FOOT	CONCRETE FOUNDATION, TYPE C	$ -	$ -
124	20	FOOT	CONCRETE FOUNDATION, TYPE E - 30 IN DIA	$ -	$ -
125	15	FOOT	CONCRETE FOUNDATION, TYPE E - 36 IN DIA	$ -	$ -
126	1	EACH	DOUBLE HANDHOLE	$ -	$ -
127	5	EACH	HANDHOLE	$ -	$ -
128	460	FOOT	DETECTOR LOOP, TYPE I	$ -	$ -
129	600	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING NO 6 1C (GREEN)	$ -	$ -
130	725	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO 14 1 PAIR	$ -	$ -
131	70	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE NO 6 2C	$ -	$ -
132	375	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 2C	$ -	$ -
133	375	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 3C	$ -	$ -
134	1,370	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 5C	$ -	$ -
135	165	FOOT	ELECTRIC CABLE, VIDEO DETECTION SYSTEM	$ -	$ -
136	1	EACH	VIDEO DETECTION SYSTEM, SINGLE CAMERA/PROCESSOR VIDEO DETECTION	$ -	$ -
137	1	EACH	SERVICE INSTALLATION, POLE MOUNTED	$ -	$ -

(CONTINUED ON NEXT PAGE)

CONTRACTOR: _____

GROUP 1-2013: 104TH AVE, S OF 167TH ST., SEC.: 12-W2508-01-DR;
151ST ST AT JACK HILLE MIDDLE SCHOOL, SEC.: 12-B5626-02-TL; and CENTRAL AVE,
135TH ST TO 127TH ST, SEC.: 12-W3913-04-RS

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
138	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	$ -	$ -
139	100,000	UNIT	CONTRACT EXTRA WORK	$ 1.00	$ 100,000.00
				TOTAL	$ -

SUMMARY OF QUANTITIES

ITEM NO	PAY ITEM	12-W3913-04-RS QUANTITY	12-W3913-03-BR QUANTITY	12-B5626-02-TL QUANTITY	12-W2308-01-DR QUANTITY	TOTAL QUANTITY	UNIT
1	BORROW EXCAVATION	160		60		220	CU.YD.
2	EARTH EXCAVATION	1,075			110	1,185	CU.YD.
3	GRADING AND SHAPING DITCHES	300				300	FOOT
4	NITROGEN FERTILIZER NUTRIENT	116			20	136	POUND
5	PHOSPHORUS FERTILIZER NUTRIENT	116			20	136	POUND
6	POTASSIUM FERTILIZER NUTRIENT	116			20	136	POUND
7	SEEDING, CLASS 7	0.2				0.2	ACRE
8	SODDING	6,227		84		6,311	SQ.YD.
9	SODDING, SALT TOLERANT	3,088				3,088	SQ.YD.
10	SUPPLEMENTAL WATERING	93			0.2	93.2	UNIT
11	TOPSOIL FURNISH AND PLACE, 4 IN	9,373		84	900	10,317	SQ.YD.
12	TREE REMOVAL (6 TO 15 UNITS DIA)				20	20	UNIT
13	EROSION CONTROL BLANKET	1,120			920	2,040	SQ.YD.
14	FILTER FABRIC		25		75	100	SQ.YD.
15	INLET AND PIPE PROTECTION	13			1	14	EACH
16	INLET FILTERS	16				16	EACH
17	PERIMETER EROSION BARRIER				200	200	FOOT
18	STONE RIPRAP, CLASS A4		25			25	SQ.YD.
19	AGGREGATE (PRIME COAT)	47				47	TON
20	AGGREGATE BASE COURSE, TYPE B (10 IN)	274				274	SQ.YD.
21	AGGREGATE BASE COURSE, TYPE B (4 IN)	769				769	SQ.YD.
22	AGGREGATE BASE COURSE, TYPE B (8 IN)	1,006				1,006	SQ.YD.
23	CRUSHED STONE (TEMPORARY USE)	1				1	L.SUM
24	BITUMINOUS MATERIALS (COLD IN-PLACE RECYCLING)	118,080				118,080	GAL.
25	BITUMINOUS MATERIALS (PRIME COAT)	511	148			659	GAL.
26	COLD-RECYCLE IN-PLACE BITUMINOUS BASE COURSE, 8 IN	21,884				21,884	SQ.YD.
27	CONSTRUCTING TEST STRIP	2				2	EACH
28	CUTTING HOT-MIX ASPHALT SURFACE	3,328				3,328	FOOT
29	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	3,082				3,082	TON
30	HOT-MIX ASPHALT DRIVEWAY SURFACE REMOVAL	1,820				1,820	SQ.YD.
31	HOT-MIX ASPHALT SHOULDERS, 8 IN	34				34	SQ.YD.
32	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-12.5 OR 9.5, N70	2,495	46			2,541	TON
33	HOT-MIX ASPHALT SURFACE REMOVAL, 2 IN.		178			178	SQ.YD.
34	HOT-MIX ASPHALT SURFACE REMOVAL, 4 IN	23,214				23,214	SQ.YD.
35	LEVELING BINDER (MACHINE METHOD) IL-4.75, N50	975				975	TON
36	TEMPORARY BUTT JOINTS	584				584	FOOT
37	PORTLAND CEMENT CONCRETE SIDEWALK, 5 IN	5,949	69			6,018	SQ.FT.
38	PORTLAND CEMENT CONCRETE SIDEWALK, 6 IN	1,165				1,165	SQ.FT.
39	COMBINATION CURB AND GUTTER REMOVAL	45				45	FOOT
40	SIDEWALK REMOVAL	460				460	SQ.FT.
41	PAVEMENT REPLACEMENT	383				383	SQ.YD.
42	SIDEWALK REMOVAL AND REPLACEMENT			180		180	SQ.FT.
43	CRACK ROUTING AND SEALING	2,009				2,009	FOOT
44	DETECTABLE WARNINGS	48				48	SQ.FT.
45	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	45				45	FOOT
46	ENGINEERS FIELD OFFICE, TYPE A	6				6	CAL.MO.
47	CONSTRUCTION LAYOUT STAKES AND SURVEY CONTROL POINTS	1				1	L.SUM
48	SURVEY MONUMENTS	2				2	EACH
49	GUARDRAIL REMOVAL	1,073				1,073	FOOT
50	DECK SLAB REPAIR (FULL DEPTH, TYPE I)		40			40	SQ.YD.
51	DECK SLAB REPAIR (FULL DEPTH, TYPE II)		40			40	SQ.YD.
52	DECK SLAB REPAIR (PARTIAL DEPTH)		40			40	SQ.YD.
53	EPOXY CRACK INJECTION		100			100	FOOT
54	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 IN.)		309			309	SQ.FT.
55	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 IN.)		130			130	SQ.FT.
56	WATERPROOFING MEMBRANE SYSTEM (SPECIAL)		217			217	SQ.YD.
57	HOT-MIX ASPHALT SURFACE REMOVAL (DECK), 2 1/2 IN.		217			217	SQ.YD.
58	REINFORCEMENT BARS, EPOXY COATED		360			360	POUND
59	APPROACH SLAB REPAIR (FULL DEPTH)		35			35	SQ.YD.
60	APPROACH SLAB REPAIR (PARTIAL DEPTH)		35			35	SQ.YD.
61	PIPE CULVERT REMOVAL, 12 IN	281				281	FOOT
62	PIPE CULVERT REMOVAL, 15 IN	176				176	FOOT
63	PIPE CULVERT REMOVAL, 18 IN	443				443	FOOT
64	PIPE CULVERT REMOVAL, 24 IN	77				77	FOOT
65	CONCRETE COLLAR	4		0.3		4.3	CU.YD.
66	PIPE CULVERTS, TYPE 1 (RCCP CLASS IV) 12 IN	88				88	FOOT
67	PIPE CULVERTS, TYPE 1 (RCCP CLASS IV) 15 IN	40		30		70	FOOT
68	PIPE CULVERTS, TYPE 1 (RCCP CLASS IV) 18 IN			22		22	FOOT
69	PIPE UNDERDRAINS, PERFORATED CORRUGATED POLYETHYLENE (PE) PIPE WITH A SMOOTH INTERIOR, 6 IN				190	190	FOOT

ITEM NO	PAY ITEM	12-W3913-04-RS QUANTITY	12-W3913-03-BR QUANTITY	12-B5626-02-TL QUANTITY	12-W2308-01-DR QUANTITY	TOTAL QUANTITY	UNIT
70	STORM SEWERS (POLYVINYL CHLORIDE) SDR 26, TYPE 1, 12IN	154				154	FOOT
71	STORM SEWERS (POLYVINYL CHLORIDE) SDR 26, 18 IN	24				24	FOOT
72	STORM SEWERS, TYPE 1 (HDPE) 18 IN	18				18	FOOT
73	STORM SEWERS, TYPE 1 (HDPE) 6 IN.				13	13	FOOT
74	STORM SEWERS, TYPE 1 (RCCP CLASS IV) 12 IN	95				95	FOOT
75	STORM SEWERS, TYPE 1 (RCCP CLASS IV) 18 IN	29				29	FOOT
76	CATCH BASINS TO BE ADJUSTED	1			1	2	EACH
77	CATCH BASINS TO BE REMOVED	2				2	EACH
78	CATCH BASINS, TYPE A2, 4 FT DIA WITH FRAME AND GRATE	1				1	EACH
79	CATCH BASINS, TYPE C, 2 FT DIA WITH FRAME AND GRATE	14			1	15	EACH
80	FRAMES AND LIDS TO BE ADJUSTED, SPECIAL (PAVEMENT RECYCLING)	3				3	EACH
81	FLARED END SECTIONS TO BE REMOVED (18 IN DIA RCCP)	1				1	EACH
82	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 12 IN	15		1		16	EACH
83	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 15 IN	6				6	EACH
84	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 18 IN WITH GRATE	1				1	EACH
85	MEDIAN INLET, 3 FT DIA WITH FRAME AND GRATE	2				2	EACH
86	MANHOLES, TYPE A, 4 FT DIA WITH FRAME AND GRATE	5				5	EACH
87	MANHOLES, TYPE A, 5 FT DIA WITH FRAME AND GRATE	2				2	EACH
88	WATERPROOFING SANITARY MANHOLES TO BE ADJUSTED	2				2	EACH
89	SANITARY MANHOLES TO BE ADJUSTED	2				2	EACH
90	STORM SEWERS (POLYVINYL CHLORIDE) SDR 23, TYPE 1, 24IN	1,845				1,845	FOOT
91	VALVE BOXES TO BE ADJUSTED	2				2	EACH
92	VALVE VAULTS TO BE ADJUSTED	2				2	EACH
93	TRENCH BACKFILL	482		5	2	489	CU.YD.
94	AGGREGATE DITCH CHECKS				14	14	TON
95	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	2		1		3	EACH
96	TRAFFIC CONTROL DEVICES - DETOUR ROUTING	1				1	L.SUM
97	TRAFFIC PROTECTION	1				1	L.SUM
98	PAVEMENT MARKING TAPE, TYPE III, 4 IN	4,680		1,208		5,888	FOOT
99	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS	220				220	SQ.FT.
100	THERMOPLASTIC PAVEMENT MARKING - LINE 12 IN	800				800	FOOT
101	THERMOPLASTIC PAVEMENT MARKING - LINE 24 IN	60				60	FOOT
102	THERMOPLASTIC PAVEMENT MARKING - LINE 4 IN	15,480				15,480	FOOT
103	THERMOPLASTIC PAVEMENT MARKING - LINE 6 IN	600				600	FOOT
104	PEDESTRIAN COUNTDOWN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED			2		2	EACH
105	PEDESTRIAN COUNTDOWN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED			1		1	EACH
106	PEDESTRIAN PUSH-BUTTON			4		4	EACH
107	FULL-ACTUATED CONTROLLER AND TYPE SUPER-P CABINET			1		1	EACH
108	INDUCTIVE LOOP DETECTOR			2		2	EACH
109	UNINTERRUPTIBLE POWER SUPPLY WITHOUT CABINET			1		1	EACH
110	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 24 FT AND 32 FT AND LIGHTING ARM, 15 FT			1		1	EACH
111	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT			1		1	EACH
112	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT			1		1	EACH
113	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT			1		1	EACH
114	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT			2		2	EACH
115	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED			1		1	EACH
116	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED			7		7	EACH
117	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED			1		1	EACH
118	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM			7		7	EACH
119	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2 IN DIA			90		90	FOOT
120	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 IN DIA			536		536	FOOT
121	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4 IN DIA			180		180	FOOT
122	CONCRETE FOUNDATION, TYPE A			12		12	FOOT
123	CONCRETE FOUNDATION, TYPE C			4		4	FOOT
124	CONCRETE FOUNDATION, TYPE E - 30 IN DIA			30		30	FOOT
125	CONCRETE FOUNDATION, TYPE E - 36 IN DIA			15		15	FOOT
126	DOUBLE HANDHOLE			1		1	EACH
127	HANDHOLE			5		5	EACH
128	DETECTOR LOOP, TYPE I	400		80		480	FOOT
129	ELECTRIC CABLE IN CONDUIT, GROUNDING NO 6 1C (GREEN)			850		850	FOOT
130	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO 14 1 PAIR			785		785	FOOT
131	ELECTRIC CABLE IN CONDUIT, SERVICE NO 6 2C			75		75	FOOT
132	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 2C			876		876	FOOT
133	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 3C			375		375	FOOT
134	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 5C			1,370		1,370	FOOT
135	ELECTRIC CABLE, VIDEO DETECTION SYSTEM			165		165	FOOT
136	VIDEO DETECTION SYSTEM, SINGLE CAMERA/PROCESSOR VIDEO DETECTION			1		1	EACH
137	SERVICE INSTALLATION, POLE MOUNTED			1		1	EACH
138	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT			1		1	EACH
139	CONTRACT EXTRA WORK	100000				100,000	EACH

REVISED ON: FEBRUARY 8, 2013

COUNTY OF COOK
DEPARTMENT OF HIGHWAYS

SUMMARY OF QUANTITIES
GROUP 1-2013

COMPUTED O.P.
DRAWN O.P.
CHECKED D.J.S.

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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 Room 1018, County Building, and 118 North Clark Street, Chicago, Illinois

until 10:00 A.M.(Local Time) Wednesday, February 13, 2013 and then publicly opened and read aloud

Improvement: **Group 1-2013** Township: **Bremen, Orland and Worth**

Central Avenue 135th Street to 127th Street Section: 12-W3913-04-RS		Central Avenue Over Tinley Creek Section: 12-W3913-03-BR
151st Street @ Jack Hille Middle School Section: 12-B5626-02-TL		104th Avenue South of 167th Street Section: 12-W2508-01-DR

Route **W39, W25, B56**

Cook County Purchasing Contract No.:**13-23-022**

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 improvement to Central Avenue from 135th Street to 127th Street begins at Station 10+10, a point on the centerline of Central Avenue approximately 10 feet north of the centerline of 135th Street and continues along the centerline of Central Avenue from 135th Street in an northerly direction to Station 62+90, a point approximately 18 feet south of the centerline of 127th Street for a total distance of 6,280 feet of which 6,195 feet (1.17 miles) is to be improved, located in the Village of Alsip, Bremen and Worth Townships, Cook County, Illinois.

The improvement to Central Avenue over Tinley Creek begins at Station 46+29, a point on the centerline of Central Avenue approximately 231 feet south of the centerline of 129th Place and continues along the centerline of Central Avenue in an northerly direction to Station 47+14, a point approximately 316 feet north

of the centerline of 129th place for a total distance of 85 feet of which 85 feet (0.016 miles) is to be improved, located in the Village of Alsip, Worth Township, Cook County, Illinois.

The improvement to 151st Street at Jack Hille Middle School begins at Station 102+39, a point on the centerline of 151st Street approximately 239 feet east of the centerline of Condado Drive and continues along the centerline of 151st Street in an easterly direction to Station 108+58, a point approximately 858 feet east of the centerline of Condado Drive for a total distance of 619 feet of which 619 feet (0.117 miles) is to be improved, located in the City of Oak Forest, Bremen Township, Cook County, Illinois.

The improvement to 104th Avenue South of 167th Street begins at Station 81+00, a point on the centerline of 104th Avenue approximately 950 feet south of the centerline of 167th Street and continues along the centerline of 104th Avenue in an northerly direction to Station 86+50, a point approximately 300 feet south of the centerline of 167th Street for a total distance of 550 feet of which 6550 feet (0.104 miles) is to be improved, located in the Village of Orland Park, Orland Township, Cook County, Illinois.

DESCRIPTION OF IMPROVEMENT

Central Avenue - 135th Street to 127th Street

This is a Quality Control/Quality Assurance (QC/QA) project utilizing Hot-Mix Asphalt (HMA) mixtures. It is the intent of this improvement to cold in-place recycle the existing pozzolanic base to a depth of 10 in. along Central Avenue. The existing HMA pavement will be milled to a depth of 4 in. and the recycled base and shoulders overlaid with 2 ¼ in. Hot-Mix Asphalt Binder Course, and 1 ¾ in. Asphalt Surface Course. Also included will be pavement striping, steel plate beam guardrail removal, curb and gutter removal and replacement, driveway apron resurfacing, drainage additions and adjustments including ditch regrading, parkway and ditch restoration with sodding and topsoil, detour routing and traffic protection.

Central Avenue (Over Tinley Creek)

It is the intent of this improvement to perform the structural repair of concrete to bridge sidewalk, curb faces, parapets, concrete posts, fascia, deck underside and substructure; perform epoxy crack injection to the bridge deck, bridge approaches, abutment walls and retaining walls; place stone rip rap at the storm sewer outfalls adjacent to bridge; remove and replace settled sidewalk at the bridge approach locations; remove and replace existing waterproofing membrane with two (2) inches of hot mix asphalt over the bridge deck and bridge approaches; and perform deck slab and approach slab repairs, as required.

151st Street @ Jack Hille Middle School

It is the intent of this project to install LED traffic signal heads, LED countdown pedestrian signal heads, push-buttons, traffic posts, mast arms, controller and cabinet, service installation, handholes, cables, conduits, video detection and detection loops, UPS, drainage, stripping and other collateral work necessary to complete the improvements as shown in the plans.

104th Avenue (South of 167th Street)

It is the intent of this project to perform minor drainage work which involves modifying the upstream drainage structure by installing a restrictor system and raising the rim of the existing catch basin.

Additionally, ditch regarding will be performed along with pipe underdrains, ditch checks, and stone infiltration systems installation.

COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAY
SPECIAL PROVISION CHECK LIST

EFFECTIVE January 10, 2013 V 2013.1

GROUP 1-2013: Central Avenue-135th Street to 127th Street, Section 12-W3913-04-RS; 151st Street at Jack Hille Middle School, Section 12-B5626-02-TL AND Central Avenue Over Tinley Creek, Section 12-W3913-03-BR

	No.	Description	Origin and Date Last Revised
X	1	Definition of Terms, Information for Bidders	(CC) Nov. 15, 2012
X	2	Bidding Requirements and Conditions For Contract Proposals	(IL-CC) Nov. 15, 2012
X	3	* Pre-Bid Meeting	(CC) Dec. 28, 2012
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	8a	* Required Disadvantaged Business Participation (DBE)	(IL-CC) Nov. 15, 2012
	8b	*MBE/WBE Business Participation	(CC) Jan. 26, 2012
X	9	Specific Equal Employment Opportunity Responsibilities (Non-Federal Aid)	(IL-CC) Nov. 15, 2012
X	10	Insurance Requirements	(CC) Nov. 15, 2012
	10a	Township Insurance Requirements	(CC) Nov. 15, 2012
	11	* Railroad Protective Liability Insurance	(IL-CC) Dec. 28, 2011
X	12a	Indemnification for Cook County	(CC) Dec. 28, 2011
X	12b	Indemnification (Locals)	(CC) Jan. 23, 2012
X	13	Joint Venture Forms	(CC) Nov. 15, 2012
X	14	Addendum Receipt	(CC) Dec. 28, 2009
	15	ARRA Provisions	(IL) Current
X	16	* Combination Bidding Process	(IL-CC) Nov. 15, 2012
X	17	Prompt Pay Mechanisms	(CC) Nov. 15, 2012
	[redacted]		
X	23	Contract Claims	(IL-CC) Mar. 19, 2012
X	24	Pre-Construction Conference	(CC) Mar. 18, 1980
X	25	Mobilization	(CC) Oct. 20, 2009
X	26	Contract Extra Work	(CC) Dec. 24, 2012
X	27	Construction Air Quality Diesel Vehicle Emissions Control (Green Construction Ordinance)	(CC) Dec. 1. 2009
X	28	Processing of Extra Work Payment Requests	(CC) Dec. 24, 2012
X	29	Construction Layout Stakes and Survey Control Points	(CC) July 1, 2012
	30	* Municipal Coordination/Transfer of Jurisdiction and/or Maintenance	(CC) July 15, 2000
X	31	Engineer's Field Office	(CC) July 1, 2012
X	32	Construction Debris	(CC) July 1, 2006
	33	*Clean Construction and Demolition Debris	(CC) July 1, 2012

	No.	Description	Origin and Date Last Revised
	44-46	Not Used	
	45	Portland Cement Concrete Pavement	(CC) July 1, 2012
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 (10Inch)	(CC) Jan 1, 2008
	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 Concrete Overlay	(CC) Jan. 1, 2007
X	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
	58	Pavement Thickness Deficiency	(CC) Mar. 1, 2008
X	59	Survey Monuments	(CC) April 1, 2008
	60	Soils Information	(CC) July 1, 2012
	61	Stockpiled Embankment	(CC) July 1, 2012
X	62	Borrow Excavation	(CC) July 1, 2000
X	63	Crushed Stone (Temporary Use)	(CC) Jan 1, 2008
	64	Aggregate Subgrade, (12 INCH)	(IL) Current
	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
	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) January 1, 2008
X	72	Cutting Hot-Mix Asphalt Surface	(CC) Jan. 1, 2008
X	73	Hot-Mix- Asphalt Driveway Surface Removal	(CC) July 1, 2012
X	74	Temporary Butt Joints	(CC) Jan. 1, 2008
	75	Hot-Mix Asphalt Stabilized Sub base	(CC) Jan. 1, 2008
	76	Hot-In-Place Asphalt Recycling by the Heater Scarifying Overlay Method	(CC) July 1, 2011
	77	Treatment of Cracks	(CC) Jan. 1, 2008
	78	Strip Reflective Crack Control Treatment, Special	(CC) May 1, 2003
X	79	Cold Recycled In-Place Bituminous Base Course	(CC) Oct. 1, 2009
	80	Temporary By-Pass Pavement (Non-Federal Aid)	(CC) Jan 1, 2008
	81	Temporary By-Pass Pavement (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	
X	117	Approach Slab Repair	(IL-CC) Oct. 4, 2011
	118	Asbestos Waterproofing Membrane & Asbestos Hot-Mix-Asphalt Surface Removal (BDE)	(IL) Current
	119	Not Used	
	120	Segmental Concrete Block Walls	(IL) Current
	121	Temporary Soil Retention System	(IL) Current
	122	Steel Structures	(CC) Nov. 21, 2007
	123	Not Used	
	124	Cleaning and Painting Existing Steel Structures	(IL) Current
	125	Containment and Disposal of Lead Paint Cleaning Residues	(IL) Current
	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) Current
	129	Grating	(CC) Aug. 19, 2011
	130	Silicone Bridge Joint Sealer	(IL) Current
	131	Not Used	
X	132	Deck Slab Repair	(IL) Current
	133	Bridge Deck Latex Concrete Overlay	(IL) Current
	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) Current
	139	Temporary Sheet Piling	(IL) Current
	140	Precast Concrete Junction Chambers	(CC) Nov. 1, 2007
	141	Jack and Remove Existing Bearings	(IL) Current
	142	Jacking Existing Superstructure	(IL) Current
	143	Junction Chamber	(CC) Jan. 1, 2007
	144	Neoprene Expansion Joint Removal	(CC) Oct. 10, 1995
X	145	Structural Repair of Concrete	(IL) Current
	146	Polymer Modified Portland Cement Mortar	(IL) Current
	147	Concrete Wearing Surface for Use With Deck Beams	(IL) Current
	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

	No.	Description	Origin and Date Last Revised
	157	Water Main for Installation in the City of Chicago	(CC) Dec. 21, 2009
	158	Frames, City Electric in the City of Chicago	(CC) July 1, 2012
	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 Installation in the City of Chicago	(CC) Dec. 1, 2009
	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) July 1, 2012
	168	Connecting Existing Field Drain Tile	(CC) July 1, 2012
	169	Plugging Existing Drains and Sewers	(CC) Dec. 1, 2007
	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	Not Used	
	173	Manholes, Type A, with Restrictor Plate, Frames and Lids	(CC) July 1, 2012
	174	Not Used	
X	175	Lids and Frames and Lids	(CC) Dec. 1, 2007
	176	Frames and Lids to be Adjusted, Special	(CC) Dec. 21, 2009
	177	Headwall Inlet and Grate	(CC) July 1, 2012
X	178	Flared End Sections to be Removed, Flared End Sections to be Relocated	(CC) Dec. 30, 2008
	179	Bracing and Sheeting	(CC) Dec. 1, 2007
X	180	Pavement Replacement	(CC) July 1, 2011
	181	Duck Bill Elastomeric Check Valve	(CC) July 1, 2012
	182	Catch Basin Oil and Debris Hoods	(CC) July 1, 2012
X	183	Frames and Lids to be Adjusted, Special (Pavement Recycling)	(CC) January 1, 2013
	184	Not Used	
X	185	* Cooperation With Utilities	(CC) Feb. 10, 2012
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
	190	Water Main Installation	(CC) Dec. 1, 2009
	191	Fire Hydrants Vertical Adjustment	(CC) Dec. 21, 2009
	192	Sanitary Sewer Installation	(CC) July 1, 2012
	193	Sanitary Manholes	(CC) Dec. 21, 2009

	No.	Description	Origin and Date Last Revised
X	194	Waterproofing of Existing Sanitary Manholes	(CC) July 1, 2012
	195-199	Not Used	
	200	Cleaning Existing Manholes, Catch Basins or Inlets and Cleaning Existing Storm Sewer and Pipe Culverts	(CC) Dec. 1, 2008
	201	Not Used	
	202	* National Pollutant Discharge Elimination System	(CC) January 1, 2012
	203	Not Used	
	204	Maintaining Drainage and Stream Protection	(CC) Dec. 1, 2007
	205	Storm Water Pollution Separation System	(CC) July 1, 2012
	206	Storm Water Pollution Separation System (SPECIAL)	(CC) Dec. 1, 2007
	207	Storm Water Pollution Separation System (In-Line)	(CC) July 1, 2012
	208-210	Not Used	
	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
	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 Surveillance	(IL) Current
X	228	Traffic Control Devices – Detour Routing	(CC) July 1, 2012
	229	Modified Urethane Pavement Marking (BDE)	(IL) Current
	230	Sign Identification Decal	(CC) Jan. 1, 2012
X	231	Traffic Protection	(CC) July 1, 2012
	232-235	Not Used	
X	236	Project Signs Plaque	(CC) December 1, 2009
	237	Eradication of Existing Pavement Marking	(CC) Dec. 1, 2009
	238	Raised Reflective Pavement Marker	(IL-CC) July 1, 2012
	239-240	Not Used	
X	241	Traffic Signal Work General	(ILD1CC) June 1, 2012
	242	Construction at Railroad Crossing	(CC) June 1, 2012
	243	Signal Head, Optically Programmed Signal Head and Pedestrian Signal Head	(CC) June 1, 2012
X	244	Light Emitting Diode (LED) Traffic Signal	(ILD1CC) June 1, 2012
X	245	Light Emitting Diode (LED) Pedestrian Countdown Signal Head	(ILD1CC) June 1, 2012
X	246	Traffic Signal Backplate	(ILD1CC) June 1, 2012
	247	Illuminated Sign, Light Emitting Diode	(ILD1CC) June 1, 2012
X	248	Traffic Signal Post, Pedestrian Pushbutton Post	(ILD1CC) June 1, 2012

	No.	Description	Origin and Date Last Revised
X	249	Steel Mast Arm Assembly and Pole and/or Steel Combination Mast Arm Assembly and Pole	(ILD1CC) June 1, 2012
X	250	Traffic Actuated Controller, Traffic Actuated Controller with Cabinet, Inductive Loop Detector	(ILD1CC) June 1, 2012
	251	Master Controller	(ILD1CC) June 1, 2012
X	252	Detector Loop	(ILD1CC) June 1, 2012
	253	Video Detection System For Temporary Traffic Signal Installation	(CC) June 1, 2012
X	254	Pedestrian Pushbutton	(ILD1CC) June 1, 2012
X	255	Conduit	(IL-CC) June 1, 2012
X	256	Coilable Non-Metallic Conduit	(ILD1CC) June 1, 2012
		[redacted]	
X	258	Electric Cable	(ILD1CC) June 1, 2012
	259	Railroad Interconnect Cable	(ILD1CC) June 1, 2012
	260	Fiber Optic Cable	(ILD1CC) June 1, 2012
X	261	System Ground and Grounding Cable	(ILD1CC) June 1, 2012
	262	Grounding Existing Handhole Frame and Cover	(ILD1) Current
X	263	Service Installation, Pole Mounted	(ILD1CC) June 1, 2012
	264	Service Installation, Ground Mounted	(ILD1CC) June 1, 2012
	265	* Electric Service	(CC) June 1, 2012
X	266	Handhole	(ILD1CC) June 1, 2012
	267	Rebuild Existing Handhole, Rebuild Existing Heavy Duty Handhole, Rebuild Existing Double Handhole	(CC) June 1, 2012
X	268	Concrete Foundation	(ILD1CC) June 1, 2012
	269	Modify Existing Type "D" Foundation	(CC) June 1, 2012
X	270	Remove Existing Traffic Signal Equipment	(ILD1CC) June 1, 2012
	271	Temporary Traffic Signal Installation	(ILD1CC) June 1, 2012
X	272	Maintenance of Existing Traffic Signal Installation	(ILD1CC) June 1, 2012
	273	Emergency Vehicle Priority System	(ILD1CC) June 1, 2012
	274	Relocate Existing Emergency Vehicle Priority System, Detector Unit	(CC) June 1, 2012
	275	Relocate Existing Emergency Vehicle Priority System, Phasing Unit	(CC) June 1, 2012
	276	Confirmation Beacon System	(CC) June 1, 2012
	277	Re-Optimize Traffic Signal System	(ILD1CC) June 1, 2012
	278	Optimize Traffic Signal System	(ILD1CC) June 1, 2012
	279	Median Removal and Replacement	(CC) June 1, 2012
X	280	Sidewalk Removal and Replacement	(CC) June 1, 2012
	281	Relocate Existing Light Standard and Luminaire Complete in Place	(CC) June 1, 2012
	282	Maintenance Of Lighting System	(ILD1CC) June 1, 2012
	283	City Electric Manholes to be Adjusted	(CC) June 1, 2012

	No.	Description	Origin and Date Last Revised
	284	Uninterruptible Power Supply (UPS)	(ILD1CC) June 1, 2012
	285	Traffic Signal Cabinet Load Switch	(CC) June 1, 2012
	286	Temporary Traffic Signal Timings	(ILD1CC) June 1, 2012
	287	Combination Lighting and Traffic Signal Service Installation, Pole Mounted	(CC) June 1, 2012
	288	Illuminated Street Name Sign	(ILD1CC) June 1, 2012
	289	Relocate Existing Illuminated Street Name Sign	(CC) June 1, 2012
X	290	Video Detection System, Single Camera Processor Video Detection	(CC) June 1, 2012
	291	Video Detection System, Complete Intersection	(CC) June 1, 2012
X	293	Uninterruptible Power Supply Without Cabinet	(CC) June 1, 2012
	294	Modifying Existing Controller Cabinet	(ILD1CC) June 1, 2012

Additional Inserted Special Provisions (As Required)

- 004a Prevailing Wages for Cook County
- 185a Status of Utilities to be Adjusted
- 400 Use of Recycled Asphalt Pavement (District 1)
- 401 Hot Mix Asphalt Surface Removal (Deck)
- 402 Right-Of-Way Parcels Not Acquired
- 403 Surface Testing of Hot-Mix Asphalt Overlays

Additional Document Inclusions (Required)

*0 01	Cover Sheet	(CC) Nov. 15, 2012
*0 02	Notice Sheet	(CC) Nov. 15, 2012
*C	Proposal Sheet	(CC) Jan 1, 2008
*E	Economic Disclosure Statement	(CC) Jan. 25, 2012
	Instructions, *DBE Documents, Contractor Certifications, Economic and Other Disclosures, *Contractor's Certificate Concerning Labor Standards, *Sub-Contractor's Certificate Concerning Labor Standards, Execution Pages	
F	Surety's Statement Of Qualification for Bonding	(CC) June 2, 2011
*G1	Trust Agreement	(CC) Nov. 15, 2012
*H	Performance and Payment of Bond Form	(CC) June 9, 2011
*I	Contract	(CC) Nov. 15, 2012
*J	Schedule of Prices Sheets	(CC) Dec. 28, 2011
*K	Proposal Bid Bond	(CC) Nov. 15, 2012
*L	Bid Deposit Form	(CC) Nov. 15, 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) Current	Initiated by Illinois Department of Transportation
(ILD1) Current	Initiated by Illinois Department of Transportation District 1
(IL-CC)	Initiated by the Illinois Department of Transportation and amended by Cook County Highway Department
(ILD1-CC)	Initiated by Illinois Department of Transportation District 1 and amended by Cook County Highway Department

Initiating Bureau/Division	Cook County Highway Department Special Provision Catalog Number
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

SHANNON E. ANDREWS

ACTING CHIEF PROCUREMENT OFFICER

JOHN YONAN, P.E.

SUPERINTENDENT OF DEPARTMENT OF TRANSPORTATION AND HIGHWAY

DEFINITION OF TERMS

PLANS. The plans herein referred to are those prepared by the County Superintendent of Department of Transportation and Highway. 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 ftpt3st).

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 Performance and Payment 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 Performance and Payment 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 <u>with the Bid</u>:**

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.)	
DBE Participation Plan	1 copy
(Note: If original cannot be provided a copy is acceptable.)	
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.)	
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 copy
Execution Pages:	
Sole Proprietor Signature Page	6 originals
Partnership and/or Joint Venture Signature Page	6 originals
Corporation Signature Page	6 originals
Bid Deposit Form	1 original
Proposal Bid Bond	1 original
Surety Statement of Qualifications	1 original

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

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
Trust Agreement	1 original

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

Cook County Department of Transportation and Highway
Contract Documents
69 West Washington Street
Suite 2400
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 Illinois 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 Department of Transportation and Highway of Cook County 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:

	Amount Bid	Proposal Guaranty
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:

Date: **Wednesday, January 30, 2013**
Time: 11 a.m.

Place: Cook County Department of Transportation and Highway
69 W. Washington Street
Suite 2260
Chicago, IL 60602

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 that 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 2013

(See explanation of column headings at bottom of wages)

Trade Name	RG	TYP	C	Base	FRMAN	M-F>8	OSA	OSH	H/W	Pensn	Vac	Trng
ASBESTOS ABT-GEN		ALL		36.200	36.700	1.5	1.5	2.0	12.78	9.020	0.000	0.500
ASBESTOS ABT-MEC		BLD		34.160	36.660	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	14.66	0.000	0.350
BRICK MASON		BLD		40.680	44.750	1.5	1.5	2.0	9.550	12.00	0.000	0.970
CARPENTER		ALL		41.520	43.520	1.5	1.5	2.0	13.19	11.75	0.000	0.530
CEMENT MASON		ALL		42.350	44.350	2.0	1.5	2.0	11.21	11.40	0.000	0.320
CERAMIC TILE FNSHER		BLD		34.440	0.000	2.0	1.5	2.0	9.700	6.930	0.000	0.610
COMM. ELECT.		BLD		37.500	40.150	1.5	1.5	2.0	8.420	9.980	1.100	0.700
ELECTRIC PWR EQMT OP		ALL		43.350	48.350	1.5	1.5	2.0	10.38	13.50	0.000	0.430
ELECTRIC PWR GRNDMAN		ALL		33.810	48.350	1.5	1.5	2.0	8.090	10.53	0.000	0.330
ELECTRIC PWR LINEMAN		ALL		43.350	48.350	1.5	1.5	2.0	10.38	13.50	0.000	0.430
ELECTRICIAN		ALL		42.000	44.800	1.5	1.5	2.0	12.83	13.07	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		33.740	35.740	1.5	1.5	2.0	12.61	10.18	0.000	0.250
GLAZIER		BLD		39.500	41.000	1.5	2.0	2.0	11.99	14.30	0.000	0.840
HT/FROST INSULATOR		BLD		45.550	48.050	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		36.200	36.950	1.5	1.5	2.0	12.78	9.020	0.000	0.500
LATHER		ALL		41.520	43.520	1.5	1.5	2.0	13.19	11.75	0.000	0.530
MACHINIST		BLD		43.550	46.050	1.5	1.5	2.0	6.130	8.950	1.850	0.000
MARBLE FINISHERS		ALL		29.700	0.000	1.5	1.5	2.0	9.550	11.75	0.000	0.620
MARBLE MASON		BLD		39.880	43.870	1.5	1.5	2.0	9.550	11.75	0.000	0.730
MATERIAL TESTER I		ALL		26.200	0.000	1.5	1.5	2.0	12.78	9.020	0.000	0.500
MATERIALS TESTER II		ALL		31.200	0.000	1.5	1.5	2.0	12.78	9.020	0.000	0.500
MILLWRIGHT		ALL		41.520	43.520	1.5	1.5	2.0	13.19	11.75	0.000	0.530
OPERATING ENGINEER		BLD	1	45.100	49.100	2.0	2.0	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER		BLD	2	43.800	49.100	2.0	2.0	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER		BLD	3	41.250	49.100	2.0	2.0	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER		BLD	4	39.500	49.100	2.0	2.0	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER		BLD	5	48.850	49.100	2.0	2.0	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER		BLD	6	46.100	49.100	2.0	2.0	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER		BLD	7	48.100	49.100	2.0	2.0	2.0	15.70	10.55	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	15.70	10.55	1.900	1.250
OPERATING ENGINEER		HWY	2	42.750	47.300	1.5	1.5	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER		HWY	3	40.700	47.300	1.5	1.5	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER		HWY	4	39.300	47.300	1.5	1.5	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER		HWY	5	38.100	47.300	1.5	1.5	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER		HWY	6	46.300	47.300	1.5	1.5	2.0	15.70	10.55	1.900	1.250
OPERATING ENGINEER		HWY	7	44.300	47.300	1.5	1.5	2.0	15.70	10.55	1.900	1.250
ORNAMNTL IRON WORKER		ALL		40.800	43.300	2.0	2.0	2.0	12.86	15.61	0.000	0.500
PAINTER		ALL		40.000	44.750	1.5	1.5	1.5	9.750	11.10	0.000	0.770
PAINTER SIGNS		BLD		33.920	38.090	1.5	1.5	1.5	2.600	2.710	0.000	0.000
PILEDRIVER		ALL		41.520	43.520	1.5	1.5	2.0	13.19	11.75	0.000	0.530
PIPEFITTER		BLD		45.050	48.050	1.5	1.5	2.0	8.460	14.85	0.000	1.780
PLASTERER		BLD		40.250	42.670	1.5	1.5	2.0	10.85	10.94	0.000	0.550
PLUMBER		BLD		45.000	47.000	1.5	1.5	2.0	12.53	10.06	0.000	0.880
ROOFER		BLD		38.350	41.350	1.5	1.5	2.0	8.080	8.220	0.000	0.430
SHEETMETAL WORKER		BLD		40.810	44.070	1.5	1.5	2.0	10.13	17.79	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	10.25	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		40.680	44.750	1.5	1.5	2.0	9.550	12.00	0.000	0.970
TERRAZZO FINISHER		BLD		35.510	0.000	1.5	1.5	2.0	9.700	9.320	0.000	0.400
TERRAZZO MASON		BLD		39.370	42.370	1.5	1.5	2.0	9.700	10.66	0.000	0.550
TILE MASON		BLD		41.430	45.430	2.0	1.5	2.0	9.700	8.640	0.000	0.710
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	33.850	34.500	1.5	1.5	2.0	8.150	8.500	0.000	0.150
TRUCK DRIVER	E	ALL	2	34.100	34.500	1.5	1.5	2.0	8.150	8.500	0.000	0.150
TRUCK DRIVER	E	ALL	3	34.300	34.500	1.5	1.5	2.0	8.150	8.500	0.000	0.150
TRUCK DRIVER	E	ALL	4	34.500	34.500	1.5	1.5	2.0	8.150	8.500	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		40.950	41.950	1.5	1.5	2.0	8.180	10.82	0.000	0.940

Legend:

RG (Region)
TYP (Trade Type - All,Highway,Building,Floating,Oil & Chip,Rivers)
C (Class)
Base (Base Wage Rate)
FRMAN (Foreman Rate)
M-F>8 (OT required for any hour greater than 8 worked each day, Mon through Fri.
OSA (Overtime (OT) 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 ¾ cu yd.) .

Class 4. Bobcats and/or other Skid Steer Loaders (other than bobcats up to and including ¾ 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 Turnatrailers or turnapulls 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 Workers 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 0 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

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BE IT ENACTED BY THE BOARD OF COMMISSIONERS OF THE COUNTY OF COOK, that the Chief Procurement Officer 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 Chief Procurement Officer of Cook County 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 Slates 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.

Carpenters local 272, Cement Masons local 502,

Ironworkers local 1, Laborers local 75,

Operators local 150

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 shell 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 Department of Transportation and Highway. The goal has been included because the Cook County Department of Transportation and Highway 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 **19%** 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 Cook County Department of Transportation and Highway 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 if 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 Cook County Department of Transportation and Highway 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 Cook County Department of Transportation and Highway 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 Cook County Department of Transportation and Highway 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 Cook County Department of Transportation and Highway 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 Cook County Department of Transportation and Highway may be relevant in appropriate cases, and will be considered by the Cook County Department of Transportation and Highway.

(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 Cook County Department of Transportation and Highway 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 Cook County Department of Transportation and Highway will recommend award the contract provided that it is otherwise eligible for award. If the Cook County Department of Transportation and Highway 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 Cook County Department of Transportation and Highway 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 Department of

Transportation and Highway, 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 Cook County Department of Transportation and Highway. The Cook County Department of Transportation and Highway 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 Cook County Department of Transportation and Highway, 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 Cook County Department of Transportation and Highway 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 Cook County Department of Transportation and Highway 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 Cook County Department of Transportation and Highway 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.

(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 is 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 Cook County Department of Transportation and Highway 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 Department of Transportation and Highway, 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 Cook County Department of

Transportation and Highway. If the commitment of work is in the form of additional tasks assigned to an existing DBE subcontract, than 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 Department of Transportation and Highway - 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, Cook County Department of Transportation and Highway – 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 Cook County Department of Transportation and Highway 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 Cook County Department of Transportation and Highway to the Contractor for such work or material, the Contractor shall submit a DBE Payment Agreement on Department form SBE 2115 to Cook County Department of Transportation and Highway – 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 Cook County Department of Transportation and Highway 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 Cook County Department of Transportation and Highway 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 my 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 Cook County Department of Transportation and Highway – 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
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
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 Office of the Chief Procurement Officer
118 N. Clark Street – Room 1018
Chicago, Illinois 60602

Cook County Department of Transportation and Highway
Contract Documents Administrator
69 W. Washington Street – Suite 2400
Chicago, Illinois 60602

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

COOK COUNTY

DEPARTMENT OF TRANSPORTATION AND HIGHWAY

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 Department of Transportation and Highway 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 Department of Transportation and Highway 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 extend 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 form 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 Department of Transportation and Highway 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 Department of Transportation and Highway.

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 Department of Transportation and Highway 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 Department of Transportation and Highway.

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 Department of Transportation and Highway 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.

Economic area	Goal (percent)
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 of 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 of 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.

2. 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 Cook County Department of Transportation and Highway.

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
INDEMNIFICATION FOR COOK COUNTY

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
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 Village of Crestwood, its officers, employees and agents in the same manner as is applicable to Cook County.

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.*

COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAY
Joint Venture Certificate of Explanation & Justification

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 circumstances which apply to the Joint Venture.

1) One or more firms do not have the required financial capacity.

Firm #1 Firm #2 Firm #3

Does not have sufficient available prequalification financial rating to perform the work.

2) One or more firms do not have the required work capacity.

Firm #1 Firm #2 Firm #3

Does not have sufficient available prequalification work ratings to perform fifty percent of the work.

3) One or more firms do not perform work in a majority of work categories required to complete the project.

Work categories not performed by the firm:

Firm #1 _____

Firm #2 _____

Firm #3 _____

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 TRANSPORTATION AND HIGHWAY
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 & Rototilling	_____	_____	_____
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 2/8/2013

Addendum No. 2
Dated 2/8/2013

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
COMBINATION BIDDING PROCESS

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 Cook County Department of Transportation and Highway.

Combination Bids. The projects listed below with their individual WORKING DAYS and CALENDAR DAYS shall be let in combination:

PROJECT	SECTION	WORKING DAYS	CALENDAR DAYS
None			

A Combination Bid is a total bid received on 2 or more proposals. No Combination Bids other than those specifically set up by the Department will be considered. Separate proposal forms will be issued for each project in the combination so bids may be submitted on the combination as well as on separate units of the combination. The department reserves the right to make the awards on combination bids or separate bids to the best advantage of the Department.

If a Combination Bid is submitted on 2 or more proposals, separate proposals on each individual contract shall also be submitted, and unless separate proposals are submitted, the Combination Bid will not be considered. If the bidder desires to submit a Combination bid, the bidder shall state, in the place provided in the proposal form, the amount of the Combination Bid for the entire combination.

If a Combination Bid is submitted on any stipulated combination, and errors are found to exist in computing the gross sum bid on any one or more of the individual proposals, corrections shall be made, by the Department and the amount of the Combination Bid shall be corrected so that it will be in the same proportion to the sum of the corrected gross sum bid as the Combination Bid submitted was to the sum of the gross bid submitted.

The following provisions shall govern combination bidding:

1) A Combination Bid which is submitted for 2 or more proposals and awarded on that basis shall have the bid prorated against each proposal in proportion to the bid submitted for each proposal.

2) Separate contracts shall be executed for each proposal included in the combination.

3) The proposal guaranties which accompany the individual proposals making up the combination will be considered as also covering the Combination Bid.

4) The completion date for all contracts awarded on a Combination Bid shall be the latest completion date designated for any one or more of the contracts included in the combination, unless otherwise provided in the contract.

5) Contracts awarded in combination for the projects above shall have the WORKING DAYS revised to _____WORKING DAYS, and the CALENDAR DAYS revised to _____CALENDAR DAYS. The "Daily deduction" rate in the Traffic Control Deficiency Deduction Special Provision shall be based on the REVISED CALENDAR DAYS stated above.

6) The Contractor, at his option, may start one project or all projects. WORKING DAYS then shall start as specified in Article 108.04 of the Standard Specifications for Road and Bridge Construction and shall continue from that day forward until all projects are completed.

7) An extension of time for any one or more contracts awarded on a Combination Bid shall automatically extend all contracts awarded on the combination.

8) In the event the Contractor fails to complete any one or all the contracts on the Combination Bid by the contract completion date plus any authorized extension, or the contract working days plus any authorized extension, the liquidated damages shall be determined from the schedule of deductions for each day of the overrun in the contract time in Article 108.09 in the Standard Specifications for Road and Bridge Construction, based on the Combination Bid total, and shall be computed on the combination and prorated against the 2 or more individual contracts based on the dollar value of each contract.

9) The Plans and Special Provisions for each separate contract shall be construed separately for all requirements, except as described in section 1 through 8 listed above.

SPECIAL PROVISION
FOR
PROMPT PAY MECHANISMS

Federal regulations found in 49 CFR Part 26.29 mandate the Cook County Department of Transportation and Highway 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 Department of Transportation and Highway 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 Department of Transportation and Highway will neither determine the reasonableness of any cause for delay of payment nor enforce any claim to payment, including interest. Moreover, the Cook County Department of Transportation and 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 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 at 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
CONTRACT EXTRA WORK

Description: Due to the nature of the project, the County may require extra work consisting of various items to be completed by the Contractor where the exact scope of work could not be determined at time of submittal of the bid. In order to avoid project delays or issues related to payment for such extra work, the schedule of quantities includes a Contract Extra Work item.

All work to be performed under this item shall be as directed by the Engineer and approved by the Superintendent and the Cook County Chief Procurement Officer or her designee.

Measurement: Each one dollar of extra work value will be measured as one unit.

Basis of Payment: Payment for this work will be made as specified in Article 109.04 of the Standard Specifications for Road and Bridge Construction and paid as Contract Extra Work in accordance with the requirements set forth in the Special Provision for Processing of Extra Work Payment Requests.

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 Department of Transportation and Highway - 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 Department of Transportation and Highway. 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-O-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 yeas 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, 2 014, 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 and the Special Provision for Contract Extra Work 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 08-09. 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) Within sixty (60) days after receipt of the invoice, the Engineer will review the Contractor's invoice and determine whether the invoice complies with the above. 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 determine whether that the corrected invoice complies with the above.

5) Once the Engineer determines that the invoice complies with the above, the Engineer shall present a recommendation for change in plan for the specific items of extra work. The Superintendent shall execute a change order for the specific items of extra work and submit such change order to the Cook County Chief Procurement Officer, or where appropriate, to the County Board for approval.

6) Within thirty (30) days of the Board's or the Cook County Chief Procurement Officer's approval of the change order, payment shall be reflected under the specific items of extra work completed by the Contractor and the corresponding amount shall be deleted from the Contract Extra Work item.

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 Department of Transportation and Highway 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 Department of Transportation and Highway 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. Payment for this work shall be scheduled as follows;

25% of the bid price to be paid on the first pay estimate.

The remaining 75% of the bid price to be apportioned among the remaining pay estimates for the project.

All payments subject to retainage per the terms of 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.

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

(i) A minimum of two communication paths. The configuration shall include:

(1) Internet Connection. A commercial grade internet service connection using telephone DSL, cable broadband or CDMA wireless technology with a MINIMUM bandwidth of 768 kbs. Additionally, an 802.11 g/N wireless router shall be provided, which will allow connection by the Engineer and up to four Department Staff. All costs related with equipment, installation, maintenance and service shall be included.

The County Department of Transportation and Highways Engineering Computer Division contact person is as follows:

Mo Al-Khouja
Cook County Administration Building
Room 2400
69 West Washington Street
Chicago, Illinois 60602-3007
Work: (312) 603-1753
E-mail: M.Al-Khouja@cookcountyil.gov

(2) Telephone Lines. Three separate telephone lines with voicemail shall be provided.

(j) One digital copy machine with an automatic feed tray storing at least 30 sheets of paper, capable of reproducing prints as black lines on white paper up to 11 x 17 in. (280 x 432 mm) in size. Reproduction paper (8.5 x 11 in., 8.5 x 14 in., and 11 x 17 in.) shall be supplied to the satisfaction of the Engineer. Maintenance, activating agent and power source for the copy machine shall be included.

The digital copy machine shall also be capable of scanning to / printing from a computer and faxing over a telephone line. All cables, support equipment, software, installation and technical support required to make and keep the equipment operational for up to four computers shall be included.

The digital copy machine, software and support equipment must be compatible with the most current version of Windows operating system.

(k) One electric hot and cold water dispenser. 5 gallon and 0.5 liter bottles of water shall be supplied to the satisfaction of the Resident Engineer.

(l) One electric paper shredder capable of shredding a minimum 15 sheets at a time.

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

(m) Three (3) new cellular phones with the capacity for both cellular call and two (2) way communication (Nextel or equal), established voice mail, hands free adaptors, belt clips and car adaptors. These cellular phones will be for exclusive use by the Engineer and the Engineer's support staff. All of the cellular phones and services must be compatible with each other. Maintenance and operating costs of the cellular phones shall be included.

(n) One digital camera with 8 megapixel minimum resolution, batteries to operate the camera, USB cable, minimum 8 GB memory card and digital camera case.

(o) A new upright bagless vacuum cleaner with a hepa-filter 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 for the field office shall be provided.

(p) The following items are suggested office and field supplies. These items are subject to revision by the Resident Engineer, must be coordinated with the Resident Engineer prior to purchase, and shall be furnished to the satisfaction of the Resident Engineer prior to commencement and for the duration of the project.

If no pay item for Engineer's Field Office is included in the contract or used by the Department, the following items shall be incidental to the contract.

These items will not be returned at the conclusion of the contract.

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 Compact Desk Calendar Base and Calendar Refill	1 Each

3" x 3 ¾" or equivalent	
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 ½" x 11"	6 Each
Paper, Standard Canary Letter Pads, 6 Count, 8 ½" x 11 ¾"	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 ¾"	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

The estimated cost for office and field supplies shall be as follows:

Bid Amount		Approximate Cost
Up to	$1,000,000	$ 625
$1,000,000	$3,000,000	$ 750
$3,000,000	$5,000,000	$ 875
Over	$5,000,000	$1,000

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
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 form 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
CRACK ROUTING AND SEALING

The following crack preparation and sealing material will be used:

Materials. The material will conform to ASTM Specification 3405 and Federal Specification SS-S-1401C.

Sealant Equipment. Equipment used to melt and dispense the Rubberized Asphalt will be designed for that purpose. The material will be melted in a double boiler, oil-jacketed melter; equipped with a mechanical agitator, which will be in continuous use while the unit is in operation.

Routing and Cleaning of Cracks and Joints. No crack or joint less than 1/4 inch in width will be routed, cleaned or sealed without the permission of the Engineer. Those cracks and/or joints greater than 1/4 inch will be routed to a depth of 3/4 inch using suitable routing equipment. All cracks and joints will be blown clean with 90 p.s.i. of oil-free, compressed air.

Placing of Sealant. Immediately prior to placing the sealant, all cracks and joints will be dry. Care will be exercised to ensure that the final bead of sealant will be flush or slightly recessed when cured on the day following placement.

Touch-Up Work. If the application is not successful, for any reason, the contractor will be required to rout, clean and reseal all areas that have failed. This work will be done at the contractor's expense.

Method of Measurement and Basis of Payment. The cleaning and filling of cracks will be paid for per Foot for Crack Routing and Sealing which will include all materials, equipment, labor and traffic control as required to complete the work.

Schedule of Work. This work will take place after the placement of the final lift of Hot-Mix-Asphalt Surface. The need for crack sealing and the locations for this work will be determined by the Engineer. Some of this work may be required before the project completion date specified in the Contract. However, some or all of the work may be required after the contract completion date, typically, in the next calendar year to repair reflective cracks.

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 Department of Transportation and Highway (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 Momuments, 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
BORROW EXCAVATION

Description. The work for Borrow Excavation shall include furnishing, placing and compacting materials in conformance with Articles 205.03 through 205.06 of the Standard Specifications for Road and Bridge Construction.

Section 204 Borrow Excavation. Shall be revised to read:

Method of Measurement. Borrow Excavation shall be measured for payment in Cubic Yards compacted in place. The volume shall be determined by the method of average end areas by taking cross sections at such intervals as may be necessary before and after placing the material as required to complete the embankment as shown on the plans. Material excavated in excess of that required for the execution of the contract will not be measured for payment.

Basis of Payment. Borrow Excavation will be paid for at the Contract Unit Price per Cubic Yard for Borrow Excavation, measured as specified herein.

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
SCHEDULING AND LANDSCAPING

Scheduling

All work on this improvement for all sections of Group 1 – 2013 shall be complete on or before September 6th, 2013 except for:

- Section No: 12-B5626-02-TL (151st Street at Jack Hille Middle School)
- Landscaping as identified herein.

Failure to meet this deadline will result in Liquidated Damages as per Illinois Department of Transportation Specification 108.09.

The improvement of Section No: 12-B5626-02-TL (151st Street at Jack Hille Middle School) shall be complete on or before August 9, 2013. Failure to meet this deadline will also result in Liquidated Damages as per Illinois Department of Transportation Specification 108.09.

Landscaping

All 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 five (5) working days beyond the contract completion date is allowed in order to complete the improvement.

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
HOT-MIX-ASPHALT DRIVEWAY SURFACE REMOVAL

Description. This work shall consist of the removal and satisfactory disposal of the hot-mix-asphalt driveway surface course wherever indicated on the plans and as required by the Engineer.

The existing hot-mix-asphalt driveway surface shall be removed to the depth as shown on the plans or as directed by the Engineer.

This work shall immediately precede the construction of the work for which the removal is required.

Equipment and methods used for removing the driveway surface shall be such as to prevent cracking, shattering or spalling and to provide a straight line cut and vertical plane at the limits of the removal area when adjacent to driveway or parking lot surface remaining in place. The equipment used to remove the material shall be approved by the Engineer.

If the bituminous driveway surface material being removed is to be used in embankment, it shall conform to and be placed and compacted in accordance with Section 205. If all or part of this material is to be disposed of outside the right of way, it shall be disposed of by the Contractor at his expense and in accordance with Section 202.

Basis of Payment. This work will be paid for per Square Yard for Hot-Mix-Asphalt Driveway Surface Removal which shall include all labor, equipment and disposal of the material removed. In addition, any temporary ramps or butt joints which may be required to maintain access to adjacent properties or sidewalks, as directed by the Engineer, will not be paid for separately, but will be included in the cost of this item.

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
COLD RECYCLED IN-PLACE BITUMINOUS BASE COURSE

Description. This work shall consist of full-depth reclamation (FDR) of the existing road with in-place recycling of the existing bituminous, pozzolanic or aggregate base to the width, depth and thickness specified in the plans including multiple passes of a tilling/reclaiming machine, the pulverization of the existing pavement base, addition of an asphalt emulsion, shaping and compaction. It may also be necessary to add water to aid in initial compaction, final compaction and appearance. Some thickness of existing hot-mix asphalt surface and binder will be removed prior to the base pulverization as specified in the plans. Some remaining hot-mix asphalt may be pulverized and reused as part of the recycling operations. The recycled base will be overlayed by hot-mix asphalt binder and surface as part of this improvement as shown on the plans. The Contractor will be required to submit a mix design utilizing an engineered emulsion (EE) following the guidelines given below.

Materials.

1) Asphalt Emulsion. The asphalt emulsion shall be an Engineered Emulsion (EE) meeting the requirements given in Table 2 below.

2) Aggregate. The amount and type of added aggregate or Reclaimed Asphalt Pavement (RAP), if any will be determined in the mix design in order to meet the requirements in Table 1.

3) Reclaimed Material. The Contractor is required to prepare and submit a mix design before the start of the project. Gradation of the reclaimed material and added aggregate, if required and the recommended type and application rate of engineered emulsion and added water, if required will be submitted to the Engineer in writing for written approval. Documentation including all laboratory test results and material suppliers shall be included in the submittal. Based on possible variations in in-situ roadway conditions such as, but not limited to, changes in base materials or in-place moisture content, more than one mix design may be required. It is anticipated that minor variations in field conditions encountered during the course of operations may require changes to the proposed application rate of the engineered emulsion. The Engineer shall have the discretion to determine whether the change in the application rate will necessitate a revised mix design.

The reclaimed mix shall meet the criteria given in Table 1 below:

Table 1 (FDR Type 1) –For Mixtures Containing <8% Passing Number 200

150-mm diameter specimens shall be prepared in a Superpave™ (TM) gyratory compactor	
Property	Criteria
Superpave gyratory compaction, 1.25° angle, 600 kPa, gyrations	30
Short-term strength test, 1 hour – modified cohesiometer, ASTM D 1560-92 (Part 13), g/25mm of width (See Appendix 1 for modifications)	175 min.
Indirect tensile strength (ITS), ASTM D 4867 Part 8.11.1, 25° C, psi	40 min.

Conditioned ITS, ASTM D 4867 (See Note 1), psi	25 min.
Resilient modulus, ASTM D 4123, 25° C, psi x 1000	150 min.
Thermal cracking (IDT), AASHTO T-322 (Based on LTPP Bind for climate)*	See note in appendix

* Optional if project is in - 20°C or warmer climate (98% reliability)

Table 1 (FDR Type 2) – For mixtures containing ≤8% passing No. 200 or for all granular mixtures	
150-mm diameter specimens shall be prepared in a Superpave) gyratory compactor	
Property	Criteria
Superpave gyratory compaction, 1.25° angle, 600 kPa, gyrations	30
Short-term strength test, 1 hour – modified cohesiometer, ASTM D 1560-92 (Part 13), g/25mm of width (See Appendix 1 for modifications)	150 min.
Indirect tensile strength (ITS), ASTM D 4867 Part 8.11.1, 25° C, psi	35 min.
Conditioned ITS, ASTM D 4867 (see Note 1), psi	20 min.
Resilient modulus, ASTM D 4123, 25° C, psi x 1000	120 min.
Thermal cracking (IDT), AASHTO T-322 (Based on LTPP Bind for climate)*	See note in appendix

* Optional if project is in - 20°C or warmer climate (98% reliability)

Equipment. All equipment used on the project for the cold in-place recycling phase described below shall be in proper working condition and approved by the Engineer.

1) A milling machine with a 3-foot wide cutting head capable of coring out a widening trench 3 feet wide and to the depth specified on the plans which will be used to excavate the aggregate shoulder material and underlying embankment to the specified depth. The milling machine shall have a front mounted conveyor to load the excavated material into trucks to be hauled off the project site. It is not anticipated that this material will be reused as part of this improvement. The excavated trench shall be free of loose material and be ready for placement of the millings from the milling and/or pulverization of the adjacent hot-mix asphalt pavement and base. This milling machine shall be capable of accurately and automatically establishing profile grades and cross slope by reference from the existing asphalt pavement.

2) The self-propelled reclaimer shall be capable of fully pulverizing the existing pavement to the depth required, incorporate the asphalt emulsion and water, and mix the materials to produce a homogeneous material. The recommended minimum power of the reclaimer is 500 hp. The machine shall be capable of reclaiming not less than 8-feet wide and up to 12-inches deep in each pass. The reclaiming shall have a system for adding asphalt emulsion with a full width spray bar consisting of a positive displacement pump interlocked to the machine's ground speed so that the amount of emulsion being added is automatically adjusted with changes to the machine's ground speed. The additive system shall be capable of incorporating up to 7 gallons per square yard of emulsified asphalt.

Individual valves on the spray bar shall be capable of being turned off as necessary to minimize emulsion overlap on subsequent passes.

3) Two (2) vibratory sheepsfoot rollers with 84 inch wide drums and weighing a minimum of 10 tons are required; a front mounted blade is recommended for back-dragging.

4) A motor grader is required to remove the depressions left by the vibratory sheepsfoot rollers and to provide the plan cross slope for the recycled layer. The motor grader shall be equipped with a cross slope indicator.

5) A pneumatic-tire roller with a 25 ton minimum weight equipped with a water spray system is required.

6) A double drum vibratory steel roller weighing a minimum of 10 tons equipped with a water spray system is also required.

7) A water truck for supplying water for the addition of moisture, as required, during the initial pulverization operation shall be on the job site and available, if needed. A second water truck shall be available on the job site and set up for a controlled spray on the road before final compaction.

8) A full-lane width self-propelled milling machine equipped with automatic electronic grade and slope control shall be used to trim the recycled base at the end of the curing period (refer to section 4.7) and before placement of the hot-mix asphalt overlay.

Construction Methods. The cold in-place recycling work shall not proceed in the rain. The weather forecast shall not call for freezing temperatures for seven days. The historical weather database shall not call for freezing temperatures within 7 days of the end of the project; this shall be based on 50 percent reliability. Any deviation from these requirements requires the written authorization of the Engineer.

1) Pre-Shaping. Pre-shaping will not be required.

2) Reclaiming. Moisture content shall be within +/- 1 percent from the mix design recommendation and measured in accordance with Section 5.2. If the moisture content is too low, water shall be added during this process. The amount of asphalt emulsion applied shall be as recommended from the mix design. The required depth of reclamation shall be monitored regularly. Prior to spreading and compacting, the material shall have a gradation meeting the requirements of Appendix 1.

3) Initial compaction. The breakdown roller (sheepsfoot roller) shall not lag behind the reclaimer by more than 500 feet. The sheepsfoot roller, applying high amplitude and low frequency impacts, shall perform initial compaction at sufficient passes until it walks out of the material. Walking out of the material for the sheepsfoot roller is defined as light being clearly evident between all of the pads at the material-sheepsfoot drum interface. Walking out for the pneumatic roller is defined as no significant wheel impressions being left on the surface.

4) Shaping. After the completion of sheepsfoot rolling, any remaining sheepsfoot marks shall be removed using a motor grader to cut no deeper than necessary to remove the sheepsfoot marks. The motor grader shall cut the recycled layer to design cross slope. The trimmed material shall be spread and compacted. Compaction will be aided if the steel roller (high frequency / low amplitude) and/or pneumatic roller follow the motor grader.

5) After the first day of the emulsion addition, the reclaimed base shall not be shaped as chunking may result.

6) Intermediate and Final Compaction. The vibratory double-drum steel roller and pneumatic roller shall compact the bladed material. The optimal combination of number of passes and order of rollers shall be used to meet compaction requirements. Do not finish roll in vibratory mode. A light spray of water may aid in improving final density and appearance.

7) Proof roll the compacted material in accordance with the Engineer's directions. It is recommended that proof rolling represent the type of traffic expected on the road. If deformation does not occur, moving truck traffic can be allowed on the reclaimed base. If deformation does occur, truck traffic should be kept off until the reclaimed material is firm enough to support expected traffic with minimal deformation. It is expected that the reclaimed base can support moving car traffic after finish rolling has occurred.

8) Before placing any surfacing, the reclaimed base must be allowed to cure until the moisture content of the recycled material is less than 2.5 percent or less than 50% of the optimum moisture content as determined during the mix design process. The frequency of moisture content testing after the first day of placement of reclaimed material and final acceptance of an allowable moisture content shall be at the discretion of the Engineer. The reclaimed base shall be surfaced during the same construction season as its placement. Under no circumstances should the recycled base be allowed to go without resurfacing through a winter irregardless of whether or not traffic is allowed on the recycled base. The start of winter for this purpose shall be defined as November 1. The final completion of all work on this project is specified in the contract documents. Any extensions of work or scheduling which impact the final completion date must take into account the requirement for resurfacing of the recycled base as stated above.

Quality Control. Supervisory personnel for the Contractor and crew for the testing laboratory shall meet with the Engineer at a mutually agreed time prior to the start of the project to discuss methods of accomplishing all phases of the project. If needed, a representative of the asphalt emulsion supplier shall be present to discuss handling of emulsions and delivery issues.

The Contractor and the Asphalt Emulsion Supplier shall be responsible for quality control (.QC) of the cold in-place recycling process and the completed reclaimed base. Quality control shall include the following activities, and the results of the QC reported daily in writing to the Engineer. See the Appendix for data sheets.

1) Maximum Material Size. Samples of the pulverized material shall be obtained before addition of the emulsion and sieved. A maximum of 2 % of the pulverized material may be retained on the 2.0 in. sieve. The minimum sample size shall be 40 pounds and sampling frequency is at the discretion of the Engineer.

2) Asphalt Emulsion. The asphalt emulsion supplier will perform the required laboratory tests to insure that the asphalt emulsion properties meet the requirements in Table 1. The results of the laboratory testing of the asphalt emulsion shall be sent with the first load of asphalt emulsion delivered to the job site. Additional test results will need to be sent with the first load of each new batch of asphalt emulsion blended. The Engineer may request that the Contractor pull a quality assurance sample of the asphalt

emulsion to be tested by an independent laboratory to assure the asphalt emulsion meets the requirements of Table 2.

Table 2			
Test		Minimum	Maximum
Residue from Distillation, %	ASTM D244[1]	63	
Oil distillate by distillation, %	ASTM D244[1]		0.5
Sieve Test, %	ASTM D244[1]		0.1
Penetration (TBD[2]), 25°C, dmm	ASTM D5	-25%	+25%

[1] Modified ASTM D244 procedure - distillation temperature of 177°C with a 20 minute hold. The ASTM D244 vacuum distillation procedure may be substituted once the maximum oil distillate is satisfied.

[2] TBD. To be determined from the mix design prior to emulsion manufacture for project. Penetration range will be reported on the submitted mix design.

3) Moisture Content. Prior to emulsion addition, moisture content shall be checked by microwave oven according to ASTM D 4643 or equivalent procedure. Other suitable methods are acceptable, such as direct heating or infrared. The minimum sample size recommended is 700 grams for the microwave procedure after screening through a ⅜ inch sieve. Check the moisture content on the same day that emulsion will be added. If rain has occurred after testing and before emulsion addition, re-check the moisture content. If the average moisture content is not within 1 percent of the mix design recommendation, then it shall be adjusted by moisture addition (water truck) or by aeration. If the moisture content has been manipulated, it shall be re-checked. The sample shall be to the depth of reclamation by any suitable method; make sure the sides of the sample hole are perpendicular to the road surface. Keep samples sealed until they are ready for testing. The moisture content shall be checked on at least each of three reclaimer passes on the first day of the recycling process. Moisture content sampling frequency shall be at the Engineer's discretion after the first day.

4) Emulsion Content. The amount of asphalt emulsion used shall be as recommended from the mix design. Any changes in asphalt emulsion content must be approved by the Engineer. The percentage of emulsion added shall be checked by determining the amount used by meter readings or truck weight tickets and by estimating the quantity of road reclaimed - depth, width, length, and estimated in-place density by Proctor density (mix design or field check) or nuclear density. On the first day of cold in-place recycling, the emulsion content shall be determined at a minimum on the first emulsion transport. Adjustments in equipment calibration shall be made if necessary. If adjustments are made, emulsion content shall be checked again. Thereafter, emulsion content shall be determined at a sampling frequency at the Engineer's discretion.

5) Depth Control. The reclaiming depth during all operations shall be monitored regularly to determine compliance with the plans. The depth shall be determined on each side of the reclaimer pass and shall be adjusted immediately as necessary.

6) Compaction. Density measurements are required; there are two options for reference density:

   a) Test strip density

   b) Modified Proctor (ASTM D1557, Method C) density.

   It is recommended that moisture and emulsion contents be checked and established before determination of reference density.

   Test Strip Option. If the sand cone method is used for test strip reference density, then it shall be used for acceptance testing. If the nuclear density gauge is used for test strip reference density, then it shall be used for acceptance testing. The test strip shall be at least 1000 feet long. The final roller pattern shall result in the maximum achievable density with the rollers specified. This roller pattern shall be used throughout the rest of the project. However, any significant changes with the road, such as materials, moisture content, or emulsion content, shall require a new test strip for roller pattern determination and new reference density determination. A reference density shall be determined on the test strip at a recommended three to five locations after finish rolling and measured by sand cone (ASTM D 1556) or nuclear gauge (ASTM D 2950, direct transmission). If measured, all subsequent material shall be compacted to a minimum of 97 percent reference density of the test strip average reference density at a sampling frequency to be determined by the Engineer. If accurate dry (nuclear) density results cannot be obtained, then wet density shall be the reference. Correction to dry density shall be by direct moisture measurement, as described in Section 5.3.

7) Reclaimed Base Contour and Profile. The contour and profile of the completed base shall be trimmed with a full-lane width roto-mill equipped with automatic electronic grade and slope control after the base has cured. The curing period will be determined per the requirements stated in Section 4.7.

Measurement. Cold In-Place Recycling, Bituminous Pavement, as described below for this item, will be measured for payment by the square yard of the completed sections for the depth specified. The work required for this process includes pulverizing the existing pavement with a reclaimer meeting the requirements of Section 3.3, adding water, if needed; then shaping and compacting the pulverized material to the satisfaction of the Engineer. A second pass with a reclaimer is required and the asphalt emulsion is added during the second pass at a rate determined by the mix design and adjusted, if necessary, per directions from the asphalt emulsion supplier. All manipulations, including blading and rolling; all labor, tools, equipment, testing for moisture content and compaction and incidentals necessary to complete the work providing a stabilized base meeting the requirements for density, shape and ride quality are included in the cost of this item. The Contractor is also responsible for their quality control.

Basis of Payment. All traffic control will be included in the contract item for Traffic Protection.

The recycled base will be paid at the contract unit price per square yard of Cold Recycled In-Place Bituminous Base Course, at the thickness specified on the plans. It shall include all items described under "Measurement".

Asphalt emulsion shall be paid for separately at the contract unit price per gallon of asphalt emulsion applied to the pulverized material as Bituminous Materials (Cold In-Place Recycling). The actual emulsion content will be adjusted based on the quantity necessary to meet the design requirements as described herein and determined

in the approved mix design. The application rate may be modified during construction based on deviations in base thickness, weather or material properties.

SPECIAL PROVISION
FOR
APPROACH SLAB REPAIR

Description. This work shall consist of bituminous surface removal, when required, the removal and disposal of all loose and deteriorated concrete and the replacement with new concrete to the original top of approach slab. The work shall be done according to the applicable requirements of Sections 501, 503 and 1020 of the Standard Specifications and this Special Provision.

Approach slab repairs will be classified as follows:

a) Partial-Depth. Partial-depth repairs shall consist of removing the loose and unsound approach slab concrete, disposing of the concrete removed and replacing with new concrete. The removal may be performed by chipping with power driven hand tools or by hydro-equipment. The depth shall be measured from the original concrete surface, at least 20 mm (3/4 inch) but not more than 140 mm (5 1/2 inches) unless otherwise specified on the plans.

b) Full-Depth. Full-depth repairs shall consist of removing concrete full-depth of the slab, disposing of the concrete removed, and replacing with new concrete to the original approach slab surface. The removal may be performed with power driven hand tools or by hydro-equipment.

Materials. All materials shall be according to Article 1020.02.

Portland cement concrete for partial and full-depth repairs shall be according to Section 1020. Class PP-1, PP-2, PP-3, or PP-4 concrete shall be used at the Contractor's option.

Grout. The grout for bonding new concrete to old concrete shall be proportioned by mass (weight) and mixed at the job site, or it may be ready-mixed if agitated while at the job site. The bonding grout shall consist of one part Portland cement and one part sand, mixed with sufficient water to form a slurry. The bonding grout shall have a consistency allowing it to be scrubbed onto the prepared surface with a stiff brush or broom leaving a thin, uniform coating that will not run or puddle in low spots. Grout that can not be easily and evenly applied or has lost its consistency may be rejected by the Engineer. Grout that is more than two hours old shall not be used.

Equipment: The equipment used shall be subject to the approval of the Engineer and shall meet the following requirements:

a) Surface Preparation Equipment. Surface preparation and concrete removal equipment shall comply with the applicable portions of Section 1100 of the Standard Specifications and the following:

(1) Sawing Equipment. Sawing equipment shall be a concrete saw capable of sawing concrete to the specified depth.

(2) Blast Cleaning Equipment. The blast cleaning may be performed by wet sandblasting, high-pressure water-blasting, abrasive blasting, or other methods approved by the Engineer. Blast cleaning equipment shall be capable of removing rust and old concrete from exposed reinforcement bars. Oil traps will be required.

(3) Power-Driven Hand Tools. Power-driven hand tools will be permitted including jackhammers lighter than the nominal 20 kg. (45 pound) class. Chipping hammers heavier than a nominal 6.8 kg. (15 pound) class shall not be used for removing concrete from below any reinforcing bar for partial depth repairs or final removal at the boundary of full-depth repairs. Jackhammers or chipping hammers shall not be operated at an angle in excess of 45 degrees measured from the surface of the slab.

(4) Hydro-Scarification Systems. The hydro-scarification equipment shall consist of filtering and pumping units operating with a remote-controlled robotic device. The equipment may use river, stream or lake water. Operation of the equipment shall be performed and supervised by qualified personnel certified by the equipment manufacturer. Evidence of certification shall be presented to the Engineer. The equipment shall be capable of removing concrete to the specified depth and removing rust and concrete particles from exposed reinforcing bars. Hydro-scarification equipment shall be calibrated before being used and shall operate at a minimum of 124 MPa (18,000 psi).

b) Concrete Equipment: Equipment for proportioning and mixing the concrete shall be according to Article 1020.03.

c) Placing and Finishing Equipment: Placing and finishing equipment shall be according to Article 1103.17. Adequate hand tools will be permitted for placing and consolidating concrete in the patch areas and for finishing small patches.

Construction Requirements: Sidewalks, curbs, drains, reinforcement and/or existing transverse and longitudinal joints which are to remain in place shall be protected from damage during removal and cleaning operations. All damage caused by the Contractor shall be corrected, at the Contractor's expense, to the satisfaction of the Engineer.

The Contractor shall control the runoff water generated by the various construction activities in such a manner as to minimize, to the maximum extent practicable, the discharge of construction debris into adjacent waters, and shall properly dispose of the solids generated according to Article 202.03. Runoff water will not be allowed to constitute a hazard on adjacent or underlying roadways, waterways, drainage areas or railroads nor be allowed to erode existing slopes.

a) Bituminous Surface Removal.

The bituminous concrete surface course shall be removed and disposed of according to applicable portions of Articles 440.03 and 440.06 of the Standard Specifications. If the overlay contains asbestos fibers, removal shall be according to the Special Provision for "Asbestos Waterproofing Membrane or Asbestos Bituminous Concrete Surface Removal". Removal of the bituminous surface by the use of radiant or direct heat will not be permitted.

b) Surface Preparation:

All loose, disintegrated and unsound concrete shall be removed from portions of the approach slab shown on the plans or as designated by the Engineer. The Engineer will determine the limits of removal as the work progresses.

The Contractor shall take care not to damage reinforcement bars or expansion joints which are to remain in place. Any damage to reinforcement bars or expansion joints shall be corrected at the Contractor's expense. All loose reinforcement bars, as determined by the Engineer, shall be retied at the Contractor's expense.

(1) Partial-Depth. Areas to be repaired will be determined and marked by the Engineer. A concrete saw shall be used to provide vertical edges approximately 20 mm (3/4 inch) deep around the perimeter of the area to be patched when an overlay is not specified. Where high steel is present, the depth may be reduced as directed by the Engineer. A saw cut will not be required on those boundaries along the face of the curb, parapet or joint or when sharp vertical edges are provided by hydro-scarification.

The loose and unsound concrete shall be removed by chipping, with power driven hand tools or by hydro-equipment. All exposed reinforcing bars and newly exposed concrete shall be thoroughly blast cleaned. Where, in the judgment of the Engineer, the bond between existing concrete and reinforcement steel within the patch area has been destroyed, the concrete adjacent to the bar shall be removed to a depth that will permit new concrete to bond to the entire periphery of the exposed bar. A minimum of 25 mm (1-inch) clearance will be required. The Engineer may require enlarging a designated removal area should inspection indicate deterioration beyond the limits previously designated. In this event, a new saw cut shall be made around the extended area before additional removal is begun. The removal area shall not be enlarged solely to correct de-bonded reinforcement or deficient lap lengths.

(2) Full-Depth. Concrete shall be removed as determined by the Engineer within all areas designated for full-depth repair and in all designated areas of partial depth repair in which unsound concrete is found to extend below a depth of 140 mm (5 1/2 inches) unless otherwise specified on the plans. Full depth removal shall be performed according to Article 501.03 of the Standard Specifications. A concrete saw shall be used to provide vertical edges approximately 20 mm (3/4 inch) deep around the perimeter of the area to be patched when an overlay is not specified. A saw cut will not be required on those boundaries along the face of the curb, parapet or joint or when sharp vertical edges are provided by hydro-scarification. The saw cut may be omitted if the deck is to receive an overlay.

All voids under full depth repair areas shall be filled with a suitable material that meets the approval of the Engineer.

(3) Reinforcement Treatment. Care shall be exercised during concrete removal to protect the reinforcement bars from damage. Any damage to the reinforcement bars to remain in place shall be repaired or replaced to the satisfaction of the Engineer at the Contractor's expense. All existing reinforcement bars shall remain in place except as herein provided for corroded bars. Tying of loose bars will be required. Any existing reinforcement bars which have a loss of more than 25% of their cross section through corrosion shall be replaced in kind with new steel as directed by the Engineer. No welding of bars will be permitted and new bars shall be lapped a minimum of 32 bar diameters to existing bars. An approved "squeeze type" mechanical bar splicer capable of developing in tension at

least 125 percent of the yield strength of the existing bar shall be used when it is not feasible to provide the minimum bar lap.

(4) Cleaning. Immediately after completion of the concrete removal and reinforcement repairs, the repair areas shall be cleaned of dust and debris. Once the initial cleaning is completed, the repair areas shall be thoroughly blast cleaned to a roughened appearance free from all foreign matter. Particular attention shall be given to removal of concrete fines. Any method of cleaning which does not consistently produce satisfactory results shall be discontinued and replaced by an acceptable method. All debris, including water, resulting from the blast cleaning shall be confined and shall be immediately and thoroughly removed from all areas of accumulation. If concrete placement does not follow immediately after the final cleaning, the area shall be carefully protected with well-anchored polyethylene sheeting.

Exposed reinforcement bars shall be free of dirt, detrimental scale, paint, oil, or other foreign substances which may reduce bond with the concrete. A tight non-scaling coating of rust is not considered objectionable. Loose, scaling rust shall be removed by rubbing with burlap, wire brushing, blast cleaning or other methods approved by the Engineer.

c) Placement & Finishing of Concrete Repair:

(1) Grout Placement. After the repair areas have been cleaned and immediately prior to concrete placement, the grout shall be applied to a dampened surface. A thin layer of grout shall be thoroughly scrubbed into the deck surface. All vertical as well as horizontal surfaces shall receive a thorough, even coating. The rate of grout placement shall be limited so the brushed grout does not dry out before it is covered with concrete. Grout that has become dry and chalky shall be blast cleaned and replaced at the Contractor's expense. No concrete shall be placed over dry grout.

(2) Concrete Placement.

The concrete shall be placed and compacted according to Article 503.07 and as herein specified. Article 1020.14 (b) shall apply, except for the requirement to use an approved retarding admixture when the plastic concrete reaches 30˚C (85˚F).

When an overlay system is not specified, the patches shall be finished according to Article 503.17 (c)(2)a., followed by a light brooming.

d) Curing.

Concrete patches shall be cured by the Wetted Burlap Method according to Article 1020.13 (a)(3), and the curing period shall be 72 hours. In addition to Article 1020.13, when the air temperature is less than 13° C (55° F), the Contractor shall cover the patch with minimum R12 insulation. Insulation is optional when the air temperature is 13° C - 32° C (55° F. - 90° F). Insulation shall not be placed when the air temperature is greater than 32˚ C (90˚ F). A 72-hour minimum drying period shall be required before placing waterproofing or bituminous surfacing.

e) Opening to Traffic.

No traffic or construction equipment will be permitted on the repairs until after the specified cure period and the concrete has obtained a minimum compressive strength of 27.6 MPa (4000 psi) or flexural strength of 4.65 MPa (675 psi) unless permitted by the Engineer.

Construction equipment will be permitted on a patch during the cure period if the concrete has obtained the minimum required strength. In this instance, the strength specimens shall be cured with the patch.

Method of Measurement. When specified, bituminous surface removal and full or partial depth repairs will be measured for payment and computed in square meters (square yards).

Basis of Payment. The bituminous concrete surface removal will be paid for at the contract unit price per square meter (square yard) for BITUMINOUS CONCRETE REMOVAL (DECK). Areas removed and replaced up to and including a depth of 140 mm (5 1/2-inch) or as specified will be paid for at the contract unit price per square meter (square yard) for APPROACH SLAB REPAIR (PARTIAL). Areas requiring removal greater than a depth of 140 mm (5 1/2-inch) shall be removed and replaced full depth and will be paid for at the contract unit price per square meter (square yard) for APPROACH SLAB REPAIR (FULL DEPTH).

When corroded reinforcement bars are encountered in the performance of this work and replacement is required, the Contractor will be paid according to Article 109.04 of the Standard Specifications.

No payment will be allowed for removal and replacement of reinforcement bars damaged by the Contractor in the performance of his/her work or for any increases in dimensions needed to provide splices for these replacement bars.

Removal and disposal of asbestos waterproofing and/or asbestos bituminous concrete will be paid for as specified in the Special Provision for "Asbestos Waterproofing Membrane or Asbestos Bituminous Concrete Surface Removal".

SPECIAL PROVISION
FOR
DECK SLAB REPAIRS

This work shall consist of hot-mix asphalt surface removal, when required, the removal and disposal of all loose and deteriorated concrete from bridge deck and the replacement with new concrete to the original top of deck. The work shall be done according to the applicable requirements of Sections 501, 503 and 1020 of the Standard Specifications and this Special Provision.

Deck slab repairs will be classified as follows:

a) Partial-Depth. Partial-depth repairs shall consist of removing the loose and unsound deck concrete, disposing of the concrete removed and replacing with new concrete. The removal may be performed by chipping with power driven hand tools or by hydro-scarification equipment. The depth shall be measured from the top of the concrete deck surface, at least 3/4 in. (20 mm) but not more than 1/2 the concrete deck thickness.

b) Full-Depth. Full-depth repairs shall consist of removing concrete full-depth of the deck, disposing of the concrete removed, and replacing with new concrete to the original concrete deck surface. The removal may be performed with power driven hand tools, hydraulic impact equipment, or by hydro-scarification equipment. Full-depth repairs shall be classified for payment as Full-Depth, Type I and Full-Depth, Type II according to the following:

Type I Full-depth patches less than or equal to 5 sq. ft. (0.5 sq m) in area. The minimum dimensions for a patch shall be 1 ft. x 1 ft. (300 mm x 300 mm).

Type II Full-depth patches greater than 5 sq. ft. (0.5 sq. m) in area.

Materials.

Materials shall be according to Article 1020.02.

Portland cement concrete for partial and full-depth repairs shall be according to Section 1020. Class PP-1, PP-2, PP-3, PP-4, PP-5 or BS concrete shall be used at the Contractor's option unless noted otherwise on the contract plans. For Class BS concrete, a CA 13, 14, or 16 shall be used. If the BS concrete mixture is used only for full depth repairs, a CA-11 may be used.

Equipment:

The equipment used shall be subject to the approval of the Engineer and shall meet the following requirements:

a) Surface Preparation Equipment. Surface preparation and concrete removal equipment shall be according to the applicable portions of Section 1100 and the following:

(1) Sawing Equipment. Sawing equipment shall be a concrete saw capable of sawing concrete to the specified depth.

(2) Blast Cleaning Equipment. The blast cleaning may be performed by wet sandblasting, high-pressure waterblasting, shotblasting or abrasive blasting. Blast cleaning equipment shall be capable of removing rust and old concrete from exposed reinforcement bars, and shall have oil traps.

(3) Power-Driven Hand Tools. Power-driven hand tools will be permitted including jackhammers lighter than the nominal 45 lb. (20 kg) class. Chipping hammers heavier than a nominal 15 lb. (6.8 kg) class shall not be used for removing concrete from below any reinforcing bar for partial depth repairs, or for removal within 1 ft (300 mm) of existing beams, girders or other supporting structural members that are to remain in service or within 1 ft (300 mm) of the boundaries of full-depth repairs. Jackhammers or chipping hammers shall not be operated at an angle in excess of 45 degrees measured from the surface of the slab.

(4) Hydraulic Impact Equipment. Hydraulic impact equipment with a maximum rated striking energy of 360 ft-lbs (270 J) may be permitted only in areas of full depth removal more than 1 ft (300 mm) away from existing beams, girders or other supporting structural members that are to remain in service or more than 1 ft (300 mm) from the boundaries of full-depth repairs.

(5) Hydro-Demolition Equipment. The hydro-demolition equipment shall consist of filtering and pumping units operating with a remote-controlled robotic device. The equipment shall use water according to Section 1002. The equipment shall be capable of being controlled to remove only unsound concrete.

b) Concrete Equipment: Equipment for proportioning and mixing the concrete shall be according to Article 1020.03.

c) Finishing Equipment: Finishing equipment shall be according to Article 1103.17. Adequate hand tools will be permitted for placing and consolidating concrete in the patch areas and for finishing small patches.

Construction Requirements: Sidewalks, curbs, drains, reinforcement and/or existing transverse and longitudinal joints which are to remain in place shall be protected from damage during removal and cleaning operations.

The Contractor shall control the runoff water generated by the various construction activities in such a manner as to minimize, to the maximum extent practicable, the discharge of untreated effluent into adjacent waters, and shall properly dispose of the solids generated according to Article 202.03. The Contractor shall submit a water management plan to the Engineer specifying the control measures to be used. The control measures shall be in place prior to the start of runoff water generating activities. Runoff water shall not be allowed to constitute a hazard to adjacent or underlying roadways, waterways, drainage areas or railroads nor be allowed to erode existing slopes.

a) Hot-Mix Asphalt Surface Removal.

The hot-mix asphalt surface course and all waterproofing membrane shall be removed and disposed of according to applicable portions of Articles 440.04 and 440.06, except milling equipment will not be allowed if the deck is to receive a waterproofing membrane system. If the overlay or waterproofing membrane contains asbestos fibers, removal shall be in accordance with the Special Provision for "Asbestos Waterproofing Membrane or Asbestos Hot-mix Asphalt Surface Removal". Removal of the hot-mix asphalt surface by the use of radiant or direct heat will not be permitted.

b) Surface Preparation:

All loose, disintegrated and unsound concrete shall be removed from portions of the deck slab shown on the plans or as designated by the Engineer. The Engineer will determine the limits of removal as the work progresses.

The Contractor shall take care not to damage reinforcement bars or expansion joints which are to remain in place. Any damage to reinforcement bars or expansion joints shall be corrected at the Contractor's

expense. All loose reinforcement bars, as determined by the Engineer, shall be retied at the Contractor's expense.

(1) Partial-Depth. Areas to be repaired will be determined and marked by the Engineer. A concrete saw shall be used to provide vertical edges approximately 3/4 in. (20 mm) deep around the perimeter of the area to be patched when a concrete overlay is not specified. Where high steel is present, the depth may be reduced as directed by the Engineer. A saw cut will not be required on those boundaries along the face of the curb, parapet or joint or when sharp vertical edges are provided by hydro-demolition.

The loose and unsound concrete shall be removed by chipping, with power driven hand tools or by hydro-demolition equipment. All exposed reinforcing bars and newly exposed concrete shall be thoroughly blast cleaned. Where, in the judgment of the Engineer, the bond between existing concrete and reinforcement steel within the patch area has been destroyed, the concrete adjacent to the bar shall be removed to a depth that will permit new concrete to bond to the entire periphery of the exposed bar. A minimum of 1 in. (25 mm) clearance will be required. The Engineer may require enlarging a designated removal area should inspection indicate deterioration beyond the limits previously designated. In this event, a new saw cut shall be made around the extended area before additional removal is begun. The removal area shall not be enlarged solely to correct debonded reinforcement or deficient lap lengths.

(2) Full-Depth. Concrete shall be removed as determined by the Engineer within all areas designated for full-depth repair and in all designated areas of partial depth repair in which unsound concrete is found to extend below half the concrete deck thickness. Full depth removal shall be performed according to Article 501.05 except that hydraulic impact equipment may be permitted in areas of full depth removal more than 1 ft (300 mm) away from the edges of existing beams, girders or other supporting structural members or more than 1 ft (300 mm) from the boundaries of full-depth repairs. Saw cuts shall be made on the top of the deck, except those boundaries along the face of curbs, parapets and joints or where hydro-demolition provided sharp vertical edges. The top saw cut may be omitted if the deck is to receive an overlay.

Forms for full-depth repair may be supported by hangers with adjustable bolts or by blocking from the beams below. When approved by the Engineer, forms for Type 1 patches may be supported by No. 9 wires or other devices attached to the reinforcement bars.

All form work shall be removed after the curing sequence is complete and prior to opening to traffic.

(3) (Reinforcement Treatment. Care shall be exercised during concrete removal to protect the reinforcement bars and structural steel from damage. Any damage to the reinforcement bars or structural steel to remain in place shall be repaired or replaced. All existing reinforcement bars shall remain in place except as herein provided for corroded bars. Tying of loose bars will be required. Reinforcing bars which have been cut or have lost 25 percent or more of their original cross sectional area shall be supplemented by new in kind reinforcement bars. New bars shall be lapped a minimum of 32 bar diameters to existing bars. An approved mechanical bar splice capable of developing in tension at least 125 percent of the yield strength of the existing bar shall be used when it is not feasible to provide the minimum bar lap. No welding of bars will be permitted.

(4) Cleaning. Immediately after completion of the concrete removal and reinforcement repairs, the repair areas shall be cleaned of dust and debris. Once the initial cleaning is completed, the repair

areas shall be thoroughly blast cleaned to a roughened appearance free from all foreign matter. Particular attention shall be given to removal of concrete fines. Any method of cleaning which does not consistently produce satisfactory results shall be discontinued and replaced by an acceptable method. All debris, including water, resulting from the blast cleaning shall be confined and shall be immediately and thoroughly removed from all areas of accumulation. If concrete placement does not follow immediately after the final cleaning, the area shall be carefully protected with well-anchored polyethylene sheeting.

Exposed reinforcement bars shall be free of dirt, detrimental scale, paint, oil, or other foreign substances which may reduce bond with the concrete. A tight non-scaling coating of rust is not considered objectionable. Loose, scaling rust shall be removed by rubbing with burlap, wire brushing, blast cleaning or other methods approved by the Engineer.

c) Placement & Finishing of Concrete Repair:

(1) Bonding Method. The patch area shall be cleaned to the satisfaction of the Engineer and shall be thoroughly wetted and maintained in a dampened condition with water for at least 12 hours before placement of the concrete. Any excess water shall be removed by compressed air or by vacuuming prior to the beginning of concrete placement. Water shall not be applied to the patch surface within one hour before or at any time during placement of the concrete.

(2) Concrete Placement.

The concrete shall be placed and consolidated according to Article 503.07 and as herein specified. Article 1020.14 shall apply.

When an overlay system is not specified, the patches shall be finished according to Article 503.16 (a), followed by a light brooming.

d) Curing and Protection.

Concrete patches shall be cured by the Wetted Burlap or Wetted Cotton Mat Method according to Article 1020.13 (a)(3) or Article 1020.13 (a)(5). The curing period shall be 3 days for Class PP-1, PP-2, PP-3, PP-4, and PP-5 concrete. The curing period shall be 7 days for Class BS concrete. In addition to Article 1020.13, when the air temperature is less than 55° F (13° C), the Contractor shall cover the patch according to Article 1020.13 (d)(1) with minimum R12 insulation. Insulation is optional when the air temperature is 55° F. - 90° F (13° C - 32° C). Insulation shall not be placed when the air temperature is greater than 90° F (32° C). A 72-hour minimum drying period shall be required before placing waterproofing or hot-mix asphalt surfacing.

e) Opening to Traffic.

No traffic will be permitted on a patch until after the specified cure period, and the concrete has obtained a minimum compressive strength of 4000 psi (27.6 MPa) or flexural strength of 675 psi (4.65 MPa).

Construction equipment will be permitted on a patch during the cure period if the concrete has obtained the minimum required strength. In this instance, the strength specimens shall be cured with the patch.

Method of Measurement.

When specified, hot-mix asphalt surface removal and full or partial depth repairs will be measured for payment and computed in square yards (square meters).

Basis of Payment.

The hot-mix asphalt surface removal will be paid for at the contract unit price per square yard (square meter) for HOT-MIX ASPHALT SURFACE REMOVAL (DECK). Areas removed and replaced up to and including a depth of half the concrete deck thickness will be paid for at the contract unit price per square yard (square meter) for DECK SLAB REPAIR (PARTIAL). Areas requiring removal greater than a depth of half the concrete deck thickness shall be removed and replaced full depth and will be paid for at the contract unit price per square yard (square meter) for DECK SLAB REPAIR (FULL DEPTH, TYPE I) and/or DECK SLAB REPAIR (FULL DEPTH, TYPE II).

When corroded reinforcement bars are encountered in the performance of this work and replacement is required, the Contractor will be paid according to Article 109.04.

No payment will be allowed for removal and replacement of reinforcement bars damaged by the Contractor in the performance of his/her work or for any increases in dimensions needed to provide splices for these replacement bars.

Removal and disposal of asbestos waterproofing and/or asbestos bituminous concrete will be paid for as specified in the Special Provision for "Asbestos Waterproofing Membrane or Asbestos Hot-Mix Asphalt Surface Removal".

SPECIAL PROVISION
FOR
STRUCTURAL REPAIR OF CONCRETE

Description. This work shall consist of structurally repairing concrete.

Materials. Materials shall be according to the following.

	Item	Article/Section
a)	Portland Cement Concrete (Note 1)	1020
b)	R1 or R2 Mortar (Note2)	
c)	Normal Weight Concrete (Note 3)	
d)	Shotcrete (High Performance) (Note 4)	
e)	Reinforcement Bars	1006.10
f)	Anchor Bolts	1006.09
g)	Water	1002
h)	Curing Compound (Type I)	1022.01
i)	Cotton Mats	1022.02
j)	Protective Coat	1023.01
k)	Epoxy (Note 5)	1025
l)	Mechanical Bar Splicers	508.06(c)

Note 1. The concrete shall be Class SI, except the cement factor shall be a minimum 6.65 cwt/cu. yd. (395 kg/cu. m), the coarse aggregate shall be a CA 16, and the strength shall be a minimum 4000 psi (27,500 kPa) compressive or 675 psi (4650 kPa) flexural at 14 days. A high range water-reducing admixture shall be used to obtain a 5-7 in. (125-175 mm) slump, but the cement factor shall not be reduced. This cement factor restriction shall also apply if a water-reducing admixture is used.

Note 2. The R1 or R2 mortar shall be from the Department's approved list of Packaged, Dry, Rapid Hardening, Cementitious Materials for Concrete Repairs with coarse aggregate added. The amount of coarse aggregate added to the R1 or R2 Mortar shall be per the manufacturer's recommendations. The coarse aggregate gradation shall be CA 16 from an Aggregate Gradation Control System source or a packaged aggregate meeting Article 1004.02 with a maximum size of 1/2 in. (12.5 mm). The R1 or R2 Mortar and coarse aggregate mixture shall comply with the air content and strength requirements for Class SI concrete as indicated in Note 1. Mixing shall be per the manufacturer's recommendations, except the water/cement ratio shall not exceed the value specified for Class SI concrete as indicated in Note 1. A high range water-reducing admixture shall be used to obtain a 5-7 in. (125-175 mm) slump.

Note 3. The packaged concrete mixture shall be from the Department's approved list of Packaged, Dry, Formed, Concrete Repair Mixtures. The materials and preparation of aggregate shall be according to ASTM C 387. Proportioning shall be according to ASTM C 387, except the minimum cement factor shall be 6.65 cwt/cu. yd. (395 kg/cu. m). Cement replacement with fly ash or ground granulated blast-furnace slag shall be according to Section 1020. The coarse aggregate shall be a maximum size of 1/2 in. (12.5 mm). The packaged concrete mixture shall comply with the air content and strength requirements for Class SI concrete as indicated in Note 1. Mixing shall be per the manufacturer's recommendations, except the water/cement ratio shall not exceed the value specified for Class SI concrete as indicated in Note 1. A high range water-reducing admixture shall be used to obtain a 5-7 in. (125-175 mm) slump.

Note 4. A packaged, pre-blended, and dry combination of materials, for the wet-mix shotcrete method shall be provided according to ASTM C 1480. An accelerator is prohibited, except the shotcrete may be modified at the nozzle with a non-chloride accelerator for overhead applications. The shotcrete shall be Type FA or CA, Grade FR, and Class I. The fibers shall be Type III synthetic according to ASTM C 1116.

The packaged shotcrete shall have a maximum water soluble chloride ion content of 0.06 % by weight (mass) of cement. The test shall be performed according to ASTM C 1218, and the hardened shotcrete shall have an age of 28 to 42 days at the time of test. The test shall be performed a minimum of once every two years.

Each individual aggregate used in the packaged shotcrete shall have either a maximum ASTM C 1260 expansion of 0.16 percent or a maximum ASTM C 1293 expansion of 0.040 percent. However, the ASTM C 1260 value may be increased to 0.27 percent for each individual aggregate if the cement total equivalent alkali content ($Na_2O + 0.658K_2O$) does not exceed 0.60 percent. As an alternative to these requirements, ASTM C 1567 testing which shows the packaged shotcrete has a maximum expansion of 0.16 percent may be submitted. The ASTM C 1260, C 1293, or C 1567 test shall be performed a minimum of once every two years.

The 7 and 28 day compressive strength requirements in ASTM C 1480 shall not apply. Instead the shotcrete shall obtain a minimum compressive strength of 4000 psi (27,500 kPa) at 14 days.

The packaged shotcrete shall be limited to the following proportions:

The portland cement and finely divided minerals shall be 6.05 cwt/cu. yd. (360 kg/cu. m) to 8.50 cwt/cu. yd (505 kg/cu. m) for Type FA and 6.05 cwt/cu. yd. (360 kg/cu. m) to 7.50 cwt/cu. yd. (445 kg/cu. m) for Type CA. The portland cement shall not be below 4.70 cwt/cu. yd. (279 kg/cu. m) for Type FA or CA.

The finely divided mineral(s) shall constitute a maximum of 35 percent of the total cement plus finely divided mineral(s).

Class F fly ash is optional and the maximum shall be 20 percent by weight (mass) of cement.

Class C fly ash is optional and the maximum shall be 25 percent by weight (mass) of cement.

Ground granulated blast-furnace slag is optional and the maximum shall be 30 percent by weight (mass) of cement.

Microsilica is required and shall be a minimum of 5 percent by weight (mass) of cement, and a maximum of 10 percent. As an alternative to microsilica, high-reactivity metakaolin may be used at a minimum of 5 percent by weight (mass) of cement, and a maximum of 10 percent.

Fly ash shall not be used in combination with ground granulated blast-furnace slag. Class F fly ash shall not be used in combination with Class C fly ash. Microsilica shall not be used in combination with high-reactivity

metakaolin. A finely divided mineral shall not be used in combination with a blended hydraulic cement, except for microsilica or high-reactivity metakaolin.

The water/cement ratio as defined in Article 1020.06 shall be a maximum of 0.42.

The air content as shot shall be 4.0 – 8.0 percent.

Note 5. In addition ASTM C 881, Type IV, Grade 2 or 3, Class A, B, or C may be used.

Equipment. Equipment shall be according to Article 503.03 and the following.

Chipping Hammer – The chipping hammer for removing concrete shall be a light-duty pneumatic or electric tool with a 15 lb. (7 kg) maximum class or less.

Blast Cleaning Equipment – Blast cleaning equipment for concrete surface preparation shall be the abrasive type, and the equipment shall have oil traps.

Hydrodemolition Equipment – Hydrodemolition equipment for removing concrete shall be calibrated, and shall use water according to Section 1002.

High Performance Shotcrete Equipment – The batching, mixing, pumping, hose, nozzle, and auxiliary equipment shall be for the wet-mix shotcrete method, and shall meet the requirements of ACI 506R.

Construction Requirements

General. The repair methods shall be either formed concrete repair or shotcrete. The repair method shall be selected by the Contractor with the following rules.

a) Rule 1. For formed concrete repair, a subsequent patch to repair the placement point after initial concrete placement will not be allowed. As an example, this may occur in a vertical location located at the top of the repair.

b) Rule 2. Formed concrete repair shall not be used for overhead applications.

c) Rule 3. Shotcrete shall not be used for column repairs greater than 4 in. (100 mm) in depth, or any repair location greater than 8 in. (205 mm) in depth. The only exception to this rule would be for a horizontal application, where the shotcrete may be placed from above in one lift.

d) Rule 4. If formed concrete repair is used for locations that have reinforcement with less than 0.75 in. (19 mm) of concrete cover, the concrete mixture shall contain fly ash or ground granulated blast-furnace slag at the maximum cement replacement allowed.

Temporary Shoring or Cribbing. When a temporary shoring or cribbing support system is required, the Contractor shall provide details and computations, prepared and sealed by an Illinois licensed Structural Engineer, to the Department for review and approval. When ever possible the support system shall be installed prior to starting the associated concrete removal. If no system is specified, but during the course of removal the need for temporary shoring or cribbing becomes apparent or is directed by the Engineer due to a structural concern, the Contractor shall not proceed with any further removal work until an appropriate and approved support system is installed.

Concrete Removal. The Contractor shall provide ladders or other appropriate equipment for the Engineer to mark the removal areas. Repair configurations will be kept simple, and squared corners will be preferred.

The repair perimeter shall be sawed a depth of 1/2 in. (13 mm) or less, as required to avoid cutting the reinforcement. Any cut reinforcement shall be repaired or replaced at the expense of the Contractor. If the concrete is broken or removed beyond the limits of the initial saw cut, the new repair perimeter shall be recut. The areas to be repaired shall have all loose, unsound concrete removed completely by the use of chipping hammers, hydrodemolition equipment, or other methods approved by the Engineer. The concrete removal shall extend along the reinforcement bar until the reinforcement is free of bond inhibiting corrosion. The outermost layer of reinforcement bar within the repair area shall be undercut to a depth of 3/4 in. (19 mm) or the diameter of the reinforcement bar, whichever value is larger. The underlying transverse reinforcement bar shall also be undercut as previously described, unless the reinforcement is not corroded, and the reinforcement bar is encased and well bonded to the surrounding concrete.

If sound concrete is encountered before existing reinforcement bars are exposed, further removal of concrete shall not be performed unless the minimum repair depth is not met.

The repair depth shall be a minimum of 1 in. (25 mm). The substrate profile shall be ± 1/16 in. (± 1.5 mm). The perimeter of the repair area shall have a vertical face.

If a repair is located at the ground line, any excavation required below the ground line to complete the repair shall be included in this work.

The Contractor shall have a maximum of 14 calendar days to complete each repair location with concrete or shotcrete, once concrete removal has started for the repair.

The Engineer shall be notified of concrete removal that exceeds 6 in. (150 mm) in depth, one fourth the cross section of a structural member, more than half the vertical column reinforcement is exposed in a cross section, more than 6 consecutive reinforcement bars are exposed in any direction, within 1.5 in. (38 mm) of a bearing area, or other structural concern. Excessive deterioration or removal may require further evaluation of the structure or installation of temporary shoring and cribbing support system.

Surface Preparation. Prior to placing the concrete or shotcrete, the Contractor shall prepare the repair area and exposed reinforcement by blast cleaning. The blast cleaning shall provide a surface that is free of oil, dirt, and loose material.

If a succeeding layer of shotcrete is to be applied, the initial shotcrete surface and remaining exposed reinforcement shall be free of curing compound, oil, dirt, loose material, rebound (i.e. shotcrete material leaner than the original mixture which ricochets off the receiving surface), and overspray. Preparation may be by lightly brushing or blast cleaning if the previous shotcrete surface is less than 36 hours old. If more than 36 hours old, the surface shall be prepared by blast cleaning.

The repair area and perimeter vertical face shall have a rough surface. Care shall be taken to ensure the perimeter sawcut is roughened. Just prior to concrete or shotcrete placement, saturate the repair area with water to a saturated surface-dry condition. Any standing water shall be removed.

Concrete or shotcrete placement shall be done within 3 calendar days of the surface preparation or the repair area shall be prepared again.

Reinforcement. Exposed reinforcement bars shall be cleaned of concrete and corrosion by blast cleaning. After cleaning, all exposed reinforcement shall be carefully evaluated to determine if replacement or additional reinforcement bars are required.

Reinforcing bars that have been cut or have lost 25 percent or more of their original cross sectional area shall be supplemented by new in kind reinforcement bars. New bars shall be lapped a minimum of 32 bar diameters to existing bars. A mechanical bar splicer shall be used when it is not feasible to provide the minimum bar lap. No welding of bars shall be performed.

Intersecting reinforcement bars shall be tightly secured to each other using 0.006 in. (1.6 mm) or heavier gauge tie wire, and shall be adequately supported to minimize movement during concrete placement or application of shotcrete.

For reinforcement bar locations with less than 0.75 in. (19 mm) of cover, protective coat shall be applied to the completed repair. The application of the protective coat shall be according to Article 503.19, 2nd paragraph, except blast cleaning shall be performed to remove curing compound.

The Contractor shall anchor the new concrete to the existing concrete with 3/4 in. (19 mm) diameter hook bolts for all repair areas where the depth of concrete removal is greater than 8 in. (205 mm) and there is no existing reinforcement extending into the repair area. The hook bolts shall be spaced at 15 in. (380 mm) maximum centers both vertically and horizontally, and shall be a minimum of 12 in. (305 mm) away from the perimeter of the repair. The hook bolts shall be installed according to Section 584.

Repair Methods. All repair areas shall be inspected and approved by the Engineer prior to placement of the concrete or application of the shotcrete.

a) Formed Concrete Repair. Falsework shall be according to Article 503.05. Forms shall be according to Article 503.06. Formwork shall provide a smooth and uniform concrete finish, and shall approximately match the existing concrete structure. Formwork shall be mortar tight and closely fitted where they adjoin the existing concrete surface to prevent leakage. Air vents may be provided to reduce voids and improve surface appearance. The Contractor may use exterior mechanical vibration, as approved by the Engineer, to release air pockets that may be entrapped.

   The concrete for formed concrete repair shall be a Class SI Concrete, or a packaged R1 or R2 Mortar with coarse aggregate added, or a packaged Normal Weight Concrete at the Contractor's option. The concrete shall be placed and consolidated according to Article 503.07. The concrete shall not be placed when frost is present on the surface of the repair area, or the surface temperature of the repair area is less than 40 °F (4 °C). All repaired members shall be restored as close as practicable to their original dimensions.

   Curing shall be done according to Article 1020.13.

   If temperatures below 45°F (7°C) are forecast during the curing period, protection methods shall be used. Protection Method I according to Article 1020.13(d)(1), or Protection Method II according to Article 1020.13(d)(2) shall be used during the curing period.

   The surfaces of the completed repair shall be finished according to Article 503.15.

b) Shotcrete. Shotcrete shall be tested by the Engineer for air content according to Illinois Modified AASHTO T 152. Obtain the sample in a damp, non-absorbent container from the discharge end of the nozzle.

   For compressive strength of shotcrete, a 18 x 18 x 3.5 in. (457 x 457 x 89 mm) test panel shall be shot by the Contractor for testing by the Engineer. A steel form test panel shall have a minimum thickness of 3/16 in. (5 mm) for the bottom and sides. A wood form test panel shall have a minimum 3/4 in. (19 mm) thick bottom, and a minimum 1.5 in. (38 mm) thickness for the sides. The test panel shall be cured according to

Article 1020.13 (a) (3) or (5) while stored at the jobsite and during delivery to the laboratory. After delivery to the laboratory for testing, curing and testing shall be according to ASTM C 1140.

The method of alignment control (i.e. ground wires, guide strips, depth gages, depth probes, and formwork) to ensure the specified shotcrete thickness and reinforcing bar cover is obtained shall be according to ACI 506R. Ground wires shall be removed after completion of cutting operations. Guide strips and formwork shall be of dimensions and a configuration that do not prevent proper application of shotcrete. Metal depth gauges shall be cut 1/4 in. (6 mm) below the finished surface. All repaired members shall be restored as close as practicable to their original dimensions.

For air temperature limits when applying shotcrete in cold weather, the first paragraph of Article 1020.14(b) shall apply. For hot weather, shotcrete shall not be applied when the air temperature is greater than 90°F (32°C). The applied shotcrete shall have a minimum temperature of 50°F (10°C) and a maximum temperature of 90°F (32°C). The shotcrete shall not be applied during periods of rain unless protective covers or enclosures are installed. The shotcrete shall not be applied when frost is present on the surface of the repair area, or the surface temperature of the repair area is less than 40°F (4°C). If necessary, lighting shall be provided to provide a clear view of the shooting area.

The shotcrete shall be applied according to ACI 506R, and shall be done in a manner that does not result in cold joints, laminations, sandy areas, voids, sags, or separations. In addition, the shotcrete shall be applied in a manner that results in maximum densification of the shotcrete. Shotcrete which is identified as being unacceptable while still plastic shall be removed and re-applied.

The nozzle shall normally be at a distance of 2 to 5 ft. (0.6 to 1.5 m) from the receiving surface, and shall be oriented at right angles to the receiving surface. Exceptions to this requirement will be permitted to fill corners, encase large diameter reinforcing bars, or as approved by the Engineer. For any exception, the nozzle shall never be oriented more than 45 degrees from the surface. Care shall be taken to keep the front face of the reinforcement bar clean during shooting operations. Shotcrete shall be built up from behind the reinforcement bar. Accumulations of rebound and overspray shall be continuously removed prior to application of new shotcrete. Rebound material shall not be incorporated in the work.

Whenever possible, shotcrete shall be applied to the full thickness in a single layer. The maximum thickness shall be 4 in. (100 mm) unless the shotcrete is applied from above on a horizontal surface, or a thicker application is approved by the Engineer. When two or more layers are required, the minimum number shall be used and shall be done in a manner without sagging or separation. A flash coat (i.e. a thin layer of up to 1/4 in. (6 mm) applied shotcrete) may be used as the final lift for overhead applications.

Prior to application of a succeeding layer of shotcrete, the initial layer of shotcrete shall be prepared according to the surface preparation and reinforcement bar cleaning requirements. Upon completion of the surface preparation and reinforcement bar treatment, water shall be applied according to the surface preparation requirements unless the surface is moist. The second layer of shotcrete shall then be applied within 30 minutes.

Shotcrete shall be cut back to line and grade using trowels, cutting rods, screeds or other suitable devices. The shotcrete shall be allowed to stiffen sufficiently before cutting. Cutting shall not cause cracks or delaminations in the shotcrete. For depressions, cut material may be used for small areas. Rebound material shall not be incorporated in the work. For the final finish, a wood float shall be used to approximately match the existing concrete texture. All repaired members shall be restored as close as practicable to their original dimensions.

Contractor operations for curing shall be continuous with shotcrete placement and finishing operations. The Engineer may require modification of operations to ensure satisfactory results are obtained. Cotton mats shall be applied according to Article 1020.13(a)(5) except the exposed layer of shotcrete shall be covered within 10 minutes after finishing, and wet curing shall begin immediately. As an alternative to this method, Type I curing compound shall be applied according to Article 1020.13(a)(4) within 10 minutes and moist curing with cotton mats shall begin within 3 hours. For overhead applications where the final shotcrete layer has been applied, the Contractor has the option to use Type I curing compound in lieu of the cotton mats. Note 5 of the Index Table in Article 1020.13 shall apply to the membrane curing method. The curing compound shall be applied according to Article 1020.13(a)(4).

When a shotcrete layer is to be covered by a succeeding shotcrete layer within 36 hours, the repair area shall be protected with intermittent hand fogging, or wet curing with either burlap or cotton mats shall begin within 10 minutes. Intermittent hand fogging may be used only for the first hour. Thereafter, wet curing with burlap or cotton mats shall be used until the succeeding shotcrete layer is applied. Intermittent hand fogging may be extended to the first hour and a half if the succeeding shotcrete layer is applied by the end of this time.

The curing period shall be for 7 days, except when there is a succeeding layer of shotcrete. In this instance, the initial shotcrete layer shall be cured until the surface preparation and reinforcement bar treatment is started.

If temperatures below 45°F (7°C) are forecast during the curing period, protection methods shall be used. Protection Method I according to Article 1020.13(d)(1), or Protection Method II according to Article 1020.13(d)(2) shall be used during the curing period

Inspection of Completed Work. The Contractor shall provide ladders or other appropriate equipment for the Engineer to inspect the repaired areas. After curing but no sooner than 28 days after placement of concrete or shooting of shotcrete, the repair shall be examined for conformance with original dimensions, cracks, voids, and delaminations. Sounding for delaminations will be done with a hammer or by other methods determined by the Engineer.

The repaired area shall be removed and replaced, as determined by the Engineer, for nonconformance with original dimensions, surface cracks greater than 0.01 in. (0.25 mm) in width, map cracking with a crack spacing in any direction of 18 in. (0.45 m) or less, voids, or delaminations.

If a nonconforming repair is allowed to remain in place, cracks 0.01 in. (0.25 mm) or less shall be repaired with epoxy according to Section 590. For cracks less than 0.007 in. (2 mm), the epoxy may be applied to the surface of the crack. Voids shall be repaired according to Article 503.15.

Publications and Personnel Requirements. The Contractor shall provide a current copy of ACI 506R to the Engineer a minimum of one week prior to start of construction.

The shotcrete personnel who perform the work shall have current American Concrete Institute (ACI) nozzlemen certification for vertical wet and overhead wet applications, except one individual may be in training. This individual shall be adequately supervised by a certified ACI nozzlemen as determined by the Engineer. A copy of the nozzlemen certificate(s) shall be given to the Engineer.

Method of Measurement. This work will be measured for payment in place and the area computed in square feet (square meters). For a repair at a corner, both sides will be measured.

Basis of Payment. This work will be paid for at the contract unit price per square foot (square meter) for STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 IN. (125 MM), STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 IN. (125 MM).

When not specified to be paid for elsewhere, the work to design, install, and remove the temporary shoring and cribbing will be paid for according to Article 109.04.

With the exception of reinforcement damaged by the Contractor during removal, the furnishing and installation of supplemental reinforcement bars, mechanical bar splicers, hook bolts, and protective coat will be paid according to Article 109.04.

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
FLARED END SECTIONS TO BE REMOVED, FLARED END SECTIONS TO BE RELOCATED

Description. This work shall consist of the removal of existing concrete flared end sections to be either reinstalled at a specified location or disposed of properly. Where flared end sections are to be relocated, care shall be taken so as not to damage the existing flared end section or the existing pipe culvert during removal and transportation. The existing mortar or mastic shall be removed from the end section prior to its reuse to insure that a properly sealed joint results following reinstallation. The resulting disturbed ditch area shall be regraded appropriately according to the plans including restoration with seeding or sodding. Any damages incurred to the existing pipe culvert or flared end section as a result of this work shall be the full responsibility of the Contractor. Damaged pipe culverts or flared end sections shall be replaced and installed at the Contractor's expense. All work shall be performed at the direction of the Engineer.

Basis of Payment. This work shall be paid for at the contract unit price each for Flared End Sections to be Removed (IN. DIA. RCCP) and Flared End Sections to be Relocated (IN. DIA. RCCP) of the size specified. This price shall include the cost of all labor, materials and equipment necessary to perform this work in addition to all disposal costs.

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
FRAMES AND LIDS TO BE ADJUSTED, SPECIAL (PAVEMENT RECYCLING)

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

The adjustment of privately owned utility structures is not a part of this contract and will be done by the respective owners.

Material and Construction Methods. Prior to Pavement Recycling. This work 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 bottom of the proposed recycled pavement; and backfilling with compacted bituminous material approved by the Engineer.

In lieu of lowering the existing frames, the Contractor may remove and store the frame and lids and cover the existing structure with a one-half inch thick metal plate, ensuring that the elevation of the top of the plate is below the bottom of the proposed recycled pavement.

After Pavement Recycling is Complete. The final adjustment 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 to the elevation of the bottom of the surface layer, meeting the requirements of Sections 353 of the Standard Specifications. On all Metropolitan Sanitary District structures, only P.C. Concrete Precast Rings shall be used for adjusting frames.

Basis of Payment. This work will be paid for at the contract unit price each for FRAMES AND LIDS TO BE ADJUSTED, SPECIAL (PAVEMENT RECYLING), which price shall be payment in full for adjustments of 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.

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.

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STATUS OF UTILITIES
UTILITIES TO BE ADJUSTED
CENTRAL AVENUE
135TH STREET TO 127TH STREET
SECTION: 12-W3913-04-RS

The following agencies have facilities within the project limits:

Commonwealth Edison Company
25000 Governors Highway
University Park, IL 60466
Attn: Ilyas Mohiuddin
(708) 235-2692
James Torres
(312) 394-3260
David Stoppelman
(630) 576-7092

AT&T
1000 Commerce Drive, Floor 2
Oak Brook, IL 60523
Attn: PamSummers
(630) 573-6464

Nicor Gas Company
1844 Ferry Road
Naperville, IL 60563
Attn: Constance Lane
(630) 388-3830

West Shore Pipe Line Company
(Beckeye Partners, L.P.)
3823 Indianapolis Blvd.
East Chicago, IN 46312
Attn: Mike Norris
(219) 397-3656X2118

Enterprise Products Operating, L.L.C.
P.O. Box 426
Seymour, IN 47274-0426
Attn: Dwane Stout
(812) 522-2569X1393

Village of Crestwood
13840 S. Cicero Avenue
Crestwood, IL 60445
Attn: William Graffeo
Village Services Director
(708) 371-4800

Comcast
688 Industrial Avenue
Elmhurst, IL 60126
Attn: Robert L. Schulter
Right-of-way Manager
(630) 600-6348

Village of Oak Lawn
9448 S. Raymond Avenue
Oak Lawn, IL 60453
Attn: Ken Ritter
(708) 499-7746

Unite Private Networks
950 W 92 HWY, Suite 203
Kearney, MO 34060
Attn: Steve Morgan
(816) 520-3437 (C)

Central Avenue (Contd.)

Utilities have not been delineated on the plans as no major conflicts or relocations are anticipated. It shall be the Contractor's responsibility to contact J.U.L.I.E. and Pipeline companies to locate utilities and protect existing utilities. 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.

NOTE: The Contractor shall contact J.U.L.I.E. at 1-800-892-0123 at least 48 hours prior to construction for utility locations.

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STATUS OF UTILITIES
UTILITIES TO BE ADJUSTED
151ST STREET AT JACK HILLE MIDDLE SCHOOL
SECTION: 12-B5626-02-TL

The following agencies have facilities within the project limits:

Commonwealth Edison Company
25000 S. Governors Highway
University Park, IL 60466
Attn: Ilyas Mohiuddin
(708) 235-2692
James Torres
(312) 394-3260
David Stoppelman
(630) 576-7092

Village of Oak Lawn
9446 S. Raymond Avenue
Oak Lawn, IL 60453
Attn: Steve Barrett
Director of Public Works
(708) 636-4400

AT&T
1000 Commerce Drive, Floor 2
Oak Brook, IL 60523
Attn: Pam Summers
(630) 573-6464

Comcast
688 Industrial Avenue
Elmhurst, IL 60126
Attn: Robert L. Schulter
Right-of-way Manager
(630) 600-6348

Nicor Gas Company
1844 Ferry Road
Naperville, IL 60563
Attn: Constance Lane
(630) 388-3830

City of Oak Forest
15440 S. Central Avenue
Oak Forest, IL 60452
Attn: Troy Ishler
Director of Public Works
(708) 535-4090

Praxair NAIG.
4520 Kennedy Avenue
East Chicago, IN 46312
Attn: Matthew Tyrrell
(219) 391-5827

Wide Open West
1674 Frontenac Road
Naperville, IL 60563
Attn: Bill Shenk
(630) 930-8566 (C)
cc: Brian Hurd
(630) 523-1264

Utilities have not been delineated on the plans as no major conflicts or relocations are anticipated. It shall be the Contractor's responsibility to contact J.U.L.I.E. and Pipeline companies to locate utilities and protect existing utilities. 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.

NOTE: The Contractor shall contact J.U.L.I.E. at 1-800-892-0123 at least 48 hours prior to construction for utility locations.

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STATUS OF UTILITIES
UTILITIES TO BE ADJUSTED
104TH AVENUE SOUTH OF 167TH STREET
SECTION: 12-W2508-01-DR

The following agencies have facilities within the project limits:

Commonwealth Edison Company
25000 Governors Highway
University Park, IL 60466
Attn: Ilyas Mohiuddin
(708) 235-2692
James Torres
(312) 394-3260
David Stoppelman
(630) 576-7092

Village of Orland Park
14700 S. Ravinia Avenue
Orland Park, IL 60462
Attn: John Ingram
(708) 403-6350

AT&T
1000 Commerce Drive, Floor 2
Oak Brook, IL 60523
Attn: Pam Summers
(630) 573-6464

Comcast
688 Industrial Avenue
Elmhurst, IL 60126
Attn: Robert L. Schulter
Right-of-way Manager
(630) 600-6348

Nicor Gas Company
1844 Ferry Road
Naperville, IL 60563
Attn: Constance Lane
(630) 388-3830

Metropolitan Water Reclamation District of Greater Chicago
100 E. Erie Street
Chicago, IL 60611r
Attn: Kenneth Kits
Director of Engineering
(312)751-7905

Utilities have not been delineated on the plans as no major conflicts or relocations are anticipated. It shall be the Contractor's responsibility to contact J.U.L.I.E. and Pipeline companies to locate utilities and protect existing utilities. 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.

NOTE: The Contractor shall contact J.U.L.I.E. at 1-800-892-0123 at least 48 hours prior to construction for utility locations.

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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
WATERPROOFING OF EXTISTING SANITARY MANHOLES

Description. This work shall consist of waterproofing the exterior top portion of existing sanitary manholes to prevent the infiltration of surface water into the sanitary system and shall conform to Section 602 of the Standard Specifications with the following additional requirements:

Materials and Construction. At existing sanitary manholes to be adjusted, and/or reconstructed, the contractor shall expose a maximum of 12 inches of the cone section and remove the frame and any adjusting rings.

The existing manhole frame and concrete adjusting rings shall be separated from the cone and each other. Care shall be taken to prevent damage to the concrete rings and frame while removing the mortar adhering to the rings and frame.

Once final grade is established, the concrete adjusting rings shall be reset in either a 3/8 inch thick bituminous mastic bed or a ¼ inch thick bed of redi-seal asphalt compound or an approved equal.

The frame shall be set on either a 3/8 inch thick bituminous plastic bed or two side by side courses of 1 inch rope butyl gasket material or an approved equal.

A 3/8 inch layer of bituminous mastic shall be applied to the outside of the concrete adjusting rings and/or frame making sure to completely cover the external surfaces with mastic. The mastic should extend 6 inch to 12 inch below the top of the cone section.

A sheet of polyvinyl chloride with a minimum thickness of 8 mils or E-Z wrap rubber or equivalent shall be set into the outside mastic material making sure the plastic sheet or wrap rubber is held securely to the frame and cone with polywrap tape before backfilling.

Basis of Payment. This work will be paid for at the contract unit price per each for Waterproofing Existing Sanitary Manholes to be Adjusted; Waterproofing Existing Sanitary Manholes to be Reconstructed; Waterproofing Sanitary Manholes to be Reconstructed, Special; Waterproofing Sanitary Frames and Lids to be Adjusted; or Waterproofing Sanitary Frames and Lids to be Adjusted, Special.

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 Department of Transportation and Highway of the localities from which the sod is to be obtained so that an authorized representative of the Transportation and 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
WORK ZONE TRAFFIC CONTROL SURVEILLANCE

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 retroreflective sign faces, legend and supplemental panels, and 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 and 1091 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 4 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 7 foot clear-height in urban areas and a 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
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 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, including required devices and marking approaching and departing 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 701901 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 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 200 feet from the mainline pavement.

"Rough Grooved Surface" signs (W8-I107) 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 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 200 feet from the mainline pavement. All signs shall have an 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 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 3 inches, but less than 6 inches within 8 feet of the pavement edge shall be protected by Type I or II barricades equipped with mono-directional steady burn lights at 100 foot center to center spacing. If the drop off within 8 feet of the pavement edge exceeds 6 inches, the barricades mentioned above shall be placed at 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 701901. 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 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 701901 shall be installed on the barrier at 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 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 properly 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 Seventh 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 or 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 pavement marking paint and tape 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, temporary pavement marking paint and tape lines and letters and symbols (Section 780 and Article 1095.02 of the Standard Specifications), temporary concrete barrier vertical panels and lights (Standard 701901), flexible delineators (Standard 701901), 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:

Adjust contract price = .25P + .75P [1±(X-0.1)]

Where "P" is the contract price for Traffic Protection

Where "X" = (Difference between original and final sum total value of all the work items for which protection is required) divided by (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 Transportation and Highway, 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
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 and the "District One Standard Design Details"; 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.

All iron and steel products, which are to be incorporated into work shall be domestically manufactured or produced and fabricated. The contractor shall obtain from the iron or steel producer and/or fabricator, in addition to the mill analysis, a certification that all iron or steel materials meet these domestic source requirements.

The application of all coatings, epoxy, galvanizing, painting, etc., to metal products shall be domestically applied.

Metal material other than iron and steel, which are not domestically produced, may be accepted provided:

(a) The contractor notifies the Department in advance of his/her intension to use other than domestically manufactured or produced material.

(b) Written evidence is provided in English of compliance with all requirements of the specifications.

(c) Physical tests conducted by the department verify the acceptability of the material.

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 Department of Transportation and Highway, 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 signalizing 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 Department of Transportation and Highway 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.

8) All Manufacturer and Contractor warranties and guaranties required by Article 801.14.

RECORD DRAWINGS

The requirements listed for Electrical Installation shall apply for Traffic Signal Installations in Article 801.16. Revise the 2nd paragraph of Article 801.16 of the Standard Specifications to read:

a. "When the work is complete, and seven days before the request for a final inspection, the full-size set of contract drawings. Stamped "RECORD DRAWINGS", shall be submitted to the Engineer for review and approval and shall be stamped with the date and the signature of the Contractor's supervising Engineer or electrician. The record drawings shall be submitted in PDF format on CDROM as well as hardcopy for review and approval.

b. In addition to the record drawings, copies of the final catalog cuts which have been Approved or Approved as Noted shall be submitted in PDF format along with the record drawings. The PDF files shall clearly indicate the pay item either by filename or PDF Table of Contents referencing the respective pay item number for multi-item PDF files. Specific part or model numbers of items which have been selected shall be clearly visible."

Add the following to Article 801.16 of the Standard Specifications:

"In addition to the specified record drawings, the Contactor shall record GPS coordinates of the following traffic signal components being installed, modified or being affected in other ways by this contract:

- All Mast Arm Poles and Posts
- Handholes
- Conduit roadway crossings
- Controller Cabinets
- Communication Cabinets
- Electric Service Disconnect locations
- CCTV Camera installations
- Fiber Optic Splice Locations

Datum to be used shall be North American 1983.

Data shall be provided electronically and in print form. The electronic format shall be compatible with MS Excel. Latitude and Longitude shall be in decimal degrees with a minimum of 6 decimal places. Each coordinate shall have the following information:

1. Description of item
2. Designation or approximate station if the item is undesignated
3. Latitude
4. Longitude

Examples:

Description	Designation	Latitude	Longitude
Mast Arm Pole Assembly (dual, combo, etc)	MP (SW, NW, SE or NE corner)	41.580493	-87.793378
FO mainline splice handhole	HHL-ST31	41.558532	-87.792571
Handhole	HH	41.765532	-87.543571
Electric Service	Elec Srv	41.602248	-87.794053
Conduit crossing	SB IL83 to EB I290 ramp SIDE A	41.584593	-87.793378
PTZ Camera	PTZ	41.584600	-87.793432
Signal Post	Post	41.558532	-87.792571
Controller Cabinet	CC	41.651848	-87.762053
Master Controller Cabinet	MCC	41.580493	-87.793378
Communication Cabinet	ComC	41.558532	-87.789771
Fiber splice connection	Toll Plaza34	41.606928	-87.794053

Prior to the collection of data, the contractor shall provide a sample data collection of at least six data points of known locations to be reviewed and verified by the Engineer to be accurate within 100 feet. Upon verification, data collection can begin. Data collection can be made as construction progresses, or can be collected after all items are installed. If the data is unacceptable the contractor shall make corrections to the data collection equipment and or process and submit the data for review and approval as specified.

Accuracy. Data collected is to be mapping grade. A handheld mapping grade GPS device shall be used for the data collection. The receiver shall support differential correction and data shall have a minimum 5 meter accuracy after post processing.

GPS receivers integrated into cellular communication devices, recreational and automotive GPS devices are not acceptable.

The GPS shall be the product of an established major GPS manufacturer having been in the business for a minimum of 6 years."

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.

SPECIAL PROVISION
FOR
LIGHT EMITTING DIODE (LED) TRAFFIC SIGNAL

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:

All signal and pedestrian heads shall provide 12" (300 mm) displays with glossy yellow or black polycarbonate housings. All head housings shall be the same color (yellow or black) at the intersection. For new signalized intersections and existing signalized intersections where all signal and/or pedestrian heads are being replaced, the proposed head housings shall be black. Where only selected heads are being replaced, the proposed head housing color (yellow or black) shall match existing head housings. Connecting hardware and mounting brackets shall be polycarbonate (black). A corrosion resistant anti-seize lubricant shall be applied to all metallic mounting bracket joints, and shall be visible to the inspector at the signal turn-on. Post top mounting collars are required on all posts, and shall be constructed of the same material as the brackets.

Pedestrian signal heads shall be furnished with the international symbolic "Walking Person" and "Upraised Palm" displays. Egg crate sun shields are not permitted.

Signal heads shall be positioned according to the "District One Standard Traffic Signal Design Details.

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.

(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

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

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.

SPECIAL PROVISION
FOR
LIGHT EMITTING DIODE (LED) PEDESTRIAN COUNTDOWN SIGNAL HEAD

The installation of an Pedestrian Countdown Signal Head, Light Emitting Diode shall meet the requirements of Section 881 and 1078.02 of the Standard Specifications, except as follows:

Description.

This work shall consist of furnishing and installing a pedestrian countdown signal head, with light emitting diodes (LED) of the type specified in the plans.

Pedestrian Countdown Signal Head, Light Emitting Diode, shall conform fully to the SIGNAL HEAD, LIGHT EMITTING DIODE specification, with the following modifications:

Application.

1. Pedestrian Countdown Signal Heads shall not be used at signalized intersections where traffic signals and railroad warning devices are interconnected.

2. All pedestrian signals at an intersection shall be the same type and have the same display. No mixing of countdown and other types of pedestrian traffic signals will be permitted.

Installation.

1. Pedestrian Countdown Signal Heads shall be 16 inch (406mm) x 18 inch (457mm), for single units with the housings glossy black polycarbonate. Connecting hardware and mounting brackets shall be polycarbonate (black). A corrosion resistant anti-seize lubricant shall be applied to all metallic mounting bracket joints, and shall be visible to the inspector at the signal turn-on.

2. Each pedestrian signal LED module shall be fully MUTCD compliant and shall consist of double overlay message combining full LED symbols of an Upraised Hand and a Walking Person. "Egg Crate" type sun shields are not permitted. Numerals shall measure 9 inches (229mm) in height and easily identified from a distance of 120 feet (36.6m).

Material.

1. The module shall operate in one mode: Clearance Cycle Countdown Mode Only. The countdown module shall display actual controller programmed clearance cycle and shall start counting when the flashing clearance signal turns on and shall countdown to "0" and turn off when the steady Upraised Hand (symbolizing Don't Walk) signal turns on. Module shall not have user accessible switches or controls for modification of cycle.

2. At power on, the module shall enter a single automatic learning cycle. During the automatic learning cycle, the countdown display shall remain dark.

3. The module shall re-program itself if it detects any increase or decrease of Pedestrian Timing. The counting unit will go blank once a change is detected and then take one complete pedestrian cycle (with no counter during this cycle) to adjust its buffer timer.

4. The module shall allow for consecutive cycles without displaying the steady Upraised Hand.

5. The module shall recognize preemption events and temporarily modify the crossing cycle accordingly.

6. If the controller preempts during the Walking Person (symbolizing Walk), the countdown will follow the controller's directions and will adjust from Walking Person to flashing Upraised Hand. It will start to count down during the flashing Upraised Hand.

7. If the controller preempts during the flashing Upraised Hand, the countdown will continue to count down without interruption.

8. The next cycle, following the preemption event, shall use the correct, initially programmed values.

9. If the controller output displays Upraised Hand steady condition and the unit has not arrived to zero or if both the Upraised Hand and Walking Person are dark for some reason, the unit suspends any timing and the digits will go dark.

10. The digits will go dark for one pedestrian cycle after loss of power of more than 1.5 seconds.

11. The countdown numerals shall be two (2) "7 segment" digits forming the time display utilizing two rows of LEDs.

12. The LED module shall meet the requirements of the Institute of Transportation Engineers (ITE) LED purchase specification, "Pedestrian Traffic Control Signal Indications - Part 2: LED Pedestrian Traffic Signal Modules," or applicable successor ITE specifications, except as modified herein.

13. 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.

14. In the event of a power outage, light output from the LED modules shall cease instantaneously.

15. The LEDs utilized in the modules shall be AlInGaP technology for Portland Orange (Countdown Numerals and Upraised Hand) and GaN technology for Lunar White (Walking Person) indications.

16. 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.

Electrical.

1. Maximum power consumption for LED modules is 29 watts.

2. The measured chromaticity shall remain unchanged over the input line voltage range listed of 80 VAC to 135 VAC.

Basis of Payment. This item shall be paid for at the contract unit price EACH for PEDESTRIAN COUNTDOWN SIGNAL HEAD, LED, of the type specified, which 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 faces and the method of mounting.

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.

When retro reflective sheeting is specified, it shall be Type ZZ sheeting according to Article 1091.03 and applied in preferred orientation for the maximum angularity according to the manufacturer's recommendations. The retro reflective sheeting shall be installed under a controlled environment at the manufacturer/supplier before shipment to the contractor. The aluminum backplate shall be prepared and cleaned, following recommendations of the retro reflective sheeting manufacturer.

The reflective backplate shall not contain louvers.

Basis of Payment. This work will be paid for at the contract unit price EACH for TRAFFIC SIGNAL BACKPLATE, of the type specified , 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 106.01, 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.

All iron and steel products, which are to be incorporated into work shall be domestically manufactured or produced and fabricated. The contractor shall obtain from the iron or steel producer and/or fabricator, in addition to the mill analysis, a certification that all iron or steel materials meet these domestic source requirements.

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 106.01, 877 and 1077.03 of the Standard Specifications, Plans, and the Standard Drawings for Mast Arm Assembly and Pole, except as follows:

All iron and steel products, which are to be incorporated into work shall be domestically manufactured or produced and fabricated. The contractor shall obtain from the iron or steel producer and/or fabricator, in addition to the mill analysis, a certification that all iron or steel materials meet these domestic source requirements.

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 to "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.

The manufacturer will be allowed to slot the base plate in which other bolt circles may fit, provided that these slots do not offset the integrity of the pole. Circumferential welds of tapered arms and poles to base plates shall be full penetration welds.

Shop Drawing Approval. The contractor shall submit detailed drawings showing design materials, thickness of sections, weld sizes, and anchor rods to the Engineer for approval prior to fabrication. These drawings shall be at least 11X17 in. (275X425 mm) in size and of adequate quality for microfilming. All product data and shop drawings shall be submitted in electronic form on CD-ROM.

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 contractor shall contact CCHD and coordinate to the installation of a standard voice-grade dial-up telephone line to the FULL-ACTUATED CONTROLLER AND CABINET, RAILROAD as called for on the traffic signal installation plans. If the traffic signal installation is part of a traffic signal system, a telephone line is usually not required, unless a telephone line is called for on the traffic signal plans. The contractor shall follow the requirements for the telephone service installation as contained in the current traffic signal special provisions under Master Controller.

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 at County cabinet only.
- 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.
- Heating – One (1) 200 watt, thermostatically-controlled, Hoffman electric heater, or approved equivalent at IDOT intersection only.
- Lighting – One (1) LED Panel shall be placed inside the cabinet top panel and one (1) LED Panel shall be placed on each side of the pull-out drawer/shelf assembly located beneath the controller support shelf. The LED Panels shall be controlled by a wall switch. Relume Traffic Control Box LED Panels and power supply or approved equivalent.
- The cabinet shall be equipped with a pull-out drawer/shelf assembly. A 1 ½ inch (38mm) deep drawer shall be provided in the cabinet, mounted directly beneath the controller support shelf. The drawer shall have a hinged top cover and shall be capable of accommodating one (1) complete set of cabinet prints and manuals. This drawer shall support 50 lbs. (23 kg) in weight when fully extended. The drawer shall open and close smoothly. Drawer dimensions shall make maximum use of available depth offered by the controller shelf and be a minimum of 24 inches (610mm) wide.
- When "Full Actuated Controller and Cabinet, Type Super P" is used, the cabinet housing shall have the following nominal outside dimensions: a width of 59 in., a depth of 26 in., and a height of 57 in. The cabinet shall have a integrated Uninterruptible Power Supply compartment which holds the backup system and batteries. The battery portion of the cabinet shall be separated from the controller equipment portion of the cabinet by 1/8 inch thick aluminum 5052-H32. The bottom of the battery portion of the cabinet shall be 1/8 inch thick aluminum 5052-H-32. The battery cabinet door shall meet the same specifications as the controller portion except that the door hinge is 14 gage stainless steel with 0.12 stainless steel pin. The Battery compartment has three adjustable shelves, full width, 12" deep standard.;
- A GE KeySafe Slimline Pushbutton Lockbox or approved equal shall be provided in the cabinet.

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 and 1079 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
PEDESTRIAN PUSH-BUTTON

The installation of a Pedestrian Pushbutton shall meet Section 888 and 1074.02 of the Specifications except as revised with this Special Provision.

This item shall consist of furnishing and installing a push-button assembly which shall be ADA compliant, highly vandal resistant, be pressure activated with minimal movement and can not be stuck in a closed or constant call position. A red latching LED and audible tone shall be provided for confirmation of an actuation call.

The normal state of the LED shall be off. When the push button is pressure activated, the LED shall be lighted and remain on until the beginning of the walk phase. The latching relay shall be mounted in the signal cabinet, controlling two pedestrian phases.

The pedestrian push-button housing shall be constructed of aluminum alloy according to ASTM B 308 6061-T6 and powder coated yellow, unless otherwise noted on the plans. The housing shall be furnished with suitable mounting hardware.

The actuator shall be stainless steel with a solid state electric PIEZO switch rated for a minimum of 20 million cycles with no moving plunger or moving electrical contacts. The operating voltage shall be 12-24V AC/DC.

Stations shall be designed to be mounted directly to a post, mast arm pole or wood pole. The station shall be aluminum and shall accept a 3 inch (75mm) round push-button assembly and a regulatory pedestrian instruction sign according to MUTCD, sign series R10-3e 9 x 15 inch sign with arrow(s) for a count-down pedestrian signal. The pedestrian station size without count-down pedestrian signals shall accommodate a MUTCD sign series R10-3b or R10-3d 9 x 12 inch sign with arrow(s).

Pedestrian push buttons and stations shall be mounted directly to poles and/or posts as shown on the plans and shall be fully accessible from a paved or concrete surface. See the District's Detail sheets for orientation and mounting details

Basis of Payment. This work shall be paid for at the contract unit price EACH for PEDESTRIAN PUSH-BUTTON, which price shall be payment in full for furnishing and installing the pushbutton assembly complete.

SPECIAL PROVISION
FOR
CONDUIT

The installation of a conduit shall meet the requirements of Sections 810, 811 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 UNDERGROUND CONDUIT 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.

Basis of Payment.
All installations of CNC for loop detection shall be included in the contract and not paid for separately.

SPECIAL PROVISION
FOR
ELECTRIC CABLE

The installation of an electric cable shall meet the requirements of Section 873, 1088.01 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 (Burndy 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 <5n 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 106.01, 878 and 1006.09 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 iron and steel products, which are to be incorporated into work shall be domestically manufactured or produced and fabricated. The contractor shall obtain from the iron or steel producer and/or fabricator, in addition to the mill analysis, a certification that all iron or steel materials meet these domestic source requirements.

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
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
SIDEWALK REMOVAL AND REPLACEMENT

This work consists of removing and replacing existing concrete sidewalk at locations shown on the plans or when directed by the Engineer, in accordance with the applicable requirements of Sections 440 and 424 of the Standard Specifications. The replaced sidewalk shall be similar in design to that which is existing.

Basis of Payment. This work shall be paid for at the contract unit price per SQUARE FOOT (SQUARE METER) for SIDEWALK REMOVAL AND REPLACEMENT, which price shall include all labor material and equipment necessary to complete the work in place, as specified herein and as directed by the Engineer.

SPECIAL PROVISION
FOR
VIDEO DETECTION SYSTEM, SINGLE CAMERA/PROCESSOR VIDEO DETECTION

This work shall consist of furnishing and installing an Autoscope Solo Terra or approved equal Video Detection System including all necessary hardware, cable and accessories as specified on the plans. An extension pole for mounting video cameras, when needed or directed by the engineer, will be included in this item.

The system shall consist of one Image Sensor and Machine Vision Processor (MVP) or Video Detection Processor (VDP) integrated into one compact unit. Communication or Extension modules shall be provided which act as interface between the image sensor/MVP or VDP and the traffic controller. The communication or Extension interface unit shall be shelf mount or it shall fit a NEMA TS-1 and TS-2 detector rack depending on the application.

The system shall be able to detect either approaching or receding vehicles in multiple traffic lanes. With a MVP or VDP capable of handling one image sensors, there shall be a minimum of 24 detection zones that can be user-defined through interactive graphics by placing lines and/or boxes in an image or a VGA monitor. The user shall be able to redefine previously defined detection zones. The MVP or VDP shall calculate traffic parameters in real-time and provide local non-volatile data storage for later downloading and analysis.

Video Detection - General

This specification sets forth the minimum requirements for a system that monitors vehicles on a roadway via processing of video images. The detection of vehicles passing through the field-of-view of an image sensor shall be made available to a large variety of end user applications as simple contact closure outputs that reflect the current realtime detector or alarm states (on/off) or as summary traffic statistics that are reported locally or remotely. The contact closure outputs shall be provided to a traffic signal controller and comply with the National Electrical Manufacturers Association (NEMA) type C or D detector.

System Hardware

The machine vision system hardware shall consist of three components: 1) a color, min 10x zoom, MVP or VDP sensor 2) a modular cabinet interface unit 3) a communication interface panel. Additionally, an optional personal computer (PC) shall host the server and client applications that are used to program and monitor the system components. The realtime performance shall be observed by viewing the video output from the sensor with overlaid flashing detectors to indicate the current detection state (on/off). The MVP or VDP sensor shall optionally store cumulative traffic statistics internally in non-volatile memory for later retrieval and analysis.

The MVP or VDP shall communicate to the modular cabinet interface unit via the communication or Extension interface panel and the software applications using the industry standard TCP/IP network protocol.

The modular cabinet interface unit shall communicate directly with up to eight (8) MVP or VDP sensors and shall comply with the form factor and electrical characteristics to plug directly into a NEMA type C or D detector rack.

System Software

The MVP or VDP sensor embedded software shall incorporate multiple applications that perform a variety of diagnostic, installation, fault tolerant operations, data communications, digital video streaming, and vehicle detection processing. The detection shall be reliable, consistent, and perform under all weather, lighting, and traffic congestion levels. An embedded web server shall permit standard internet browsers to connect and perform basic configuration, maintenance, and video streaming services.

FUNCTIONAL CAPABILITIES

MVP or VDP Sensor

The MVP or VDP sensor shall be an integrated imaging color CCD array with zoom lens optics, high-speed, dual-core image processing hardware bundled into a sealed enclosure. The CCD array shall be directly controlled by the dual-core processor, thus providing high-quality video for detection that has virtually no noise to degrade detection performance. It shall be possible to zoom the lens as required for setup and operation. The camera shall be in a water tight enclosure. The camera enclosure shall be equipped with a sunshield which includes a water diversion device, which prevents water from flowing in the cameras field of view. The camera enclosure shall contain a heater to assure proper operation of the camera at low temperatures. The heater shall prevent condensation on the optical face plate of the enclosure. The enclosure shall be equipped with weathered tight connections for all cables and connectors. A minimum of a nine (9) inch in-cabinet video monitor is required for view and/or programming detector zones.

Power

The MVP or VDP sensor shall operate on 110/220 VAC, 50/60Hz at a maximum of 45 watts. The MVP or VDP sensor shall operate in a temperature range of -29°F to 165°F (-34°C to 74°C).

Detection Zone Programming

Placement of detection zones shall be by means of a PC with a Windows operating system, a keyboard, and a mouse or monitor and mouse. The PC monitor shall be able to show the detection zones superimposed on images of traffic scenes.

The detection zones shall be created by using a mouse to draw detection zones on the PC monitor and/or cabinet monitor. Using the mouse and keyboard it shall be possible to place, size, and orient detection zones to provide optimal road coverage for vehicle detection. It shall be possible to download detector configurations from the PC to the MVP or VDP sensor and cabinet interface module, to retrieve the detector configuration that is currently running in the MVP or VDP sensor, and to back up detector configurations by saving them to the PC fixed disks or other removable storage media.

The supervisor computer's mouse and keyboard or monitor and mouse shall be used to edit previously defined detector configurations to permit adjustment of the detection zone size and placement, to add detectors for additional traffic applications, or to reprogram the MVP or VDP sensor for different traffic applications or changes in installation site geometry or traffic rerouting.

Optimal Detection

The video detection system shall optimally detect vehicle passage and presence when the MVP or VDP sensor is mounted 30 feet (10 m) or higher above the roadway, when the image sensor is adjacent to the

desired coverage area, and when the distance to the farthest detection zone locations are not greater than ten (10) times the mounting height of the MVP or VDP. The recommended deployment geometry for optimal detection also requires that there be an unobstructed view of each traveled lane where detection is required. Although optimal detection may be obtained when the MVP or VDP is mounted directly above the traveled lanes, the MVP or VDP shall not be required to be directly over the roadway. The MVP or VDP shall be able to view either approaching or receding traffic or both in the same field of view. The preferred MVP or VDP sensor orientation shall be to view approaching traffic since there are more high contrast features on vehicles as viewed from the front rather than the rear.
Modular Cabinet Interface Unit

The modular cabinet interface unit shall provide the hardware and software means for up to eight (8) MVP or VDP sensors to communicate real-time detection states and alarms to a local traffic signal controller. It shall comply with the electrical and protocol specifications of the detector rack standards.
The modular cabinet interface unit shall be a simple interface card that plugs directly into a NEMA type C or D detector rack. The modular cabinet interface unit shall occupy only 2 slots of the detector rack. The modular cabinet interface unit shall accept up to eight (8) inputs and shall provide up to twenty-four (24) detector outputs.

System Installation & Training
The supplier of the video detection system may supervise the installation and testing of the video detection system and computer equipment as required by the contracting agency.

Training is available to personnel of the contracting agency in the operation, set up, and maintenance of the video detection system. The MVP or VDP sensor and its support hardware / software is a sophisticated leading-edge technology system. Proper instruction from certified instructors is recommended to ensure that the end user has complete competency in system operation. The User's Guide is not an adequate substitute for practical classroom training and formal certification by an approved agency.

Warranty, Service, & Support
For a minimum of two (2) years, the supplier shall warrant the video detection system. An option for additional year(s) warranty for up to 5 years shall be available. Ongoing software support by the supplier shall include software updates of the MVP or VDP sensor, modular cabinet interface unit, and supervisor computer applications. These updates shall be provided free of charge during the warranty period. The supplier shall maintain a program for technical support and software updates following expiration of the warranty period. This program 'shall be available to the contracting agency in the form of a separate agreement for continuing support.

Basis of Payment: This work shall be paid at the contract unit price EACH for VIDEO DETECTION SYSTEM, SINGLE CAMERA/PROCESSOR VIDEO DETECTION, as described above, which price will be payment in full for furnishing, installing and setting up the video detection system, with necessary connections and programming for proper operation.

The cable shall be in accordance with the recommendation of the manufacturer of the Video Detection System. The video detection cable will be paid for at the contract unit price per FOOT for ELECTRIC CABLE, VIDEO DETECTION SYSTEM which price will be payment in full for furnishing and installing the video detection cable, as specified herein, with all necessary connections for proper operation.

SPECIAL PROVISION
FOR
UNINTERRUPTIBLE POWER SUPPLY WITHOUT CABINET

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, all material needed to make a working system. The UPS shall provide reliable emergency power to the traffic signals in the event of a power failure or interruption.

Installation

The UPS system shall be installed in a Type Super P cabinet which is paid for under "Full Actuated Controller and Cabinet, Type Super P".

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 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 UNINTERRUPTABLE POWER SUPPLY WITHOUT CABINET, 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 UNINTERRUPTABLE POWER SUPPLY WITHOUT CABINET item.

SPECIAL PROVISION
FOR
USE OF RAP (DISTRICT 1)

In Article 1030.02(g) of the Standard Specifications, 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) results from the 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. The contractor can also request that a processed pile be tested by the Department to determine the aggregate quality as described in Article 1031.04, herein.

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 and size as listed below (i.e. "Homogenous Surface").

Prior to milling or removal of an HMA pavement, the Contractor may request the District to provide verification of the existing mix composition to clarify appropriate stockpile.

(a) 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.

(b) Conglomerate 5/8. Conglomerate 5/8 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 5/8 RAP shall be processed prior to testing by crushing to where all RAP shall pass the 5/8 in. (16 mm) or smaller screen.

(c) Conglomerate 3/8. Conglomerate 3/8 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 B quality. This RAP may have an inconsistent gradation and/or asphalt binder content prior to processing. All conglomerate 3/8 RAP shall be processed prior to testing by crushing to where all RAP shall pass the 3/8 in (9.5 mm) or smaller screen.

(d) Conglomerate Variable Size. Conglomerate variable size RAP 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 B quality. This RAP may have an inconsistent gradation and/or asphalt binder content prior to processing. All conglomerate variable size RAP shall be processed prior to testing by crushing and screening to where all RAP is separated into various sizes. All

the conglomerate variable size RAP shall pass the 3/4 in. (19 mm) screen and shall be a minimum of two sizes.

(e) 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 in consistent gradation and/or asphalt binder content.

(f) Non-Quality. RAP stockpiles that do not meet the requirements of the stockpile categories listed above shall be classified as "Non-Quality".

RAP 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 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 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.

(a) Testing Conglomerate 3/8 and Conglomerate Variable Size. In addition to the requirements above, conglomerate 3/8 and variable size RAP shall be tested for maximum theoretical specific gravity (G_{mm}) at a 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).

(b) 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	Homogeneous/ Conglomerate	Conglomerate "D" Quality
1 in. (25 mm)		± 5 %
3/4 in. (19mm)		
1/2 in. (12.5mm)	± 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 %
Gmm	±0.02 % 2/	
Gmm	±0.03 % 3/	

1/ The tolerance for conglomerate 3/8 shall be ± 0.3 %.

2/ Applies only to conglomerate 3/8. When variation of the G_{mm} exceeds the ± 0.02 % tolerance, a new conglomerate 3/8 stockpile shall be created which will also require an additional mix design.

3/ Applies only to conglomerate variable size. When variation of the G_{mm} exceeds the ± 0.03 tolerance, a new conglomerate variable size stockpile shall be created which will also require an additional mix design.

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 shall not be used in HMA unless the RAP 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. The quality of the RAP shall be set by the lowest quality of coarse aggregate in the RAP stockpile and are designated as follows.

(a) RAP from Class I, Superpave (High ESAL), or HMA (High ESAL) surface mixtures are designated as containing Class B quality coarse aggregate.

(b) RAP from Superpave (Low ESAL)/HMA (Low ESAL) IL-19.0L binder and IL-9.5L surface mixtures are designated as Class D quality coarse aggregate.

(c) 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.

(d) RAP from bituminous stabilized subbase and BAM shoulders are designated as containing Class D quality coarse aggregate.

Aggregate Quality Testing of RAP:

The processed pile shall have a maximum tonnage of 5,000 tons (4500 metric tons). The pile shall be crushed and screened with 100 percent of the material passing the 3/4 in. (19mm) sieve. The pile shall be tested for AC content and gradation and shall conform to all requirements of Article 1031.03 Testing, herein. Once the uniformity of the gradation and AC content has been established, the Contractor shall obtain a representative sample with district oversight of the sampling. This sample shall be no less than 50 lbs (25 kg) and this sample shall be delivered to a Consultant Lab, prequalified by the Department for extraction testing according to Illinois Modified AASHTO T 164. After the AC has been extracted, the Consultant Lab shall submit the test results along with the recovered aggregate to the District Office. The cost for this testing shall be paid directly 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 in HMA. The use of RAP 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) Use in HMA Surface Mixtures (High and Low ESAL). RAP stockpiles for use in HMA surface mixtures (High and Low ESAL) shall be either homogeneous or conglomerate 3/8 or variable size in which the coarse aggregate is Class B quality or better.

(c) Use in HMA Binder Mixtures (High and Low ESAL), HMA Base Course, and HMA Base Course Widening. RAP stockpiles for use in HMA binder mixtures (High and Low ESAL), HMA base course, and HMA base course widening shall be homogeneous, conglomerate 5/8, or conglomerate 3/8, conglomerate variable size, in which the coarse aggregate is Class C quality or better.

(d) Use in Shoulders and Subbase. RAP stockpiles for use in HMA shoulders and stabilized subbase (HMA) shall be homogeneous, conglomerate 5/8, conglomerate 3/8, conglomerate variable size, or conglomerate DQ.

(e) The use of RAP shall be a contractor's option when constructing HMA in all contracts. When the Contractor chooses the RAP option, the percentage of RAP shall not exceed the amounts indicated in the table for a given N Design.

Maximum Mixture RAP Percentage

HMA Mixtures 1/ 3/		Maximum % Rap	
Ndesign	Binder/Leveling Binder	Surface	Polymer Modified
30	30/40 2/	30	10
50	25/40 2/ 4/	15/25 2/	10 4/
70	25/30 2/	10/20 2/	10
90	10/15 2/	10/15 2/	10
105	10/15 2/	10/15 2/	10

1/ For HMA Shoulder and Stabilized Sub-Base (HMA) N-30, the amount of RAP shall not exceed 50% of the mixture.

2/ Value of Max % RAP If 3/8 Rap or conglomerate variable size RAP is utilized.

3/ When RAP exceeds 20% the AC shall be PG58 -22. However, when RAP exceeds 20% and is used in full depth HMA pavement the AC shall be PG58 -28.

4/ Polymerized Leveling Binder, IL-4.75 is 15 %

1031.06 HMA Mix Designs. At the Contractor's option, HMA mixtures may be constructed utilizing RAP material meeting the above detailed requirements.

RAP designs shall be submitted for volumetric verification. If additional RAP 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 stockpile and HMA mix design, and meets all of the requirements herein, the additional RAP stockpiles may be used in the original mix design at the percent previously verified.

1031.07 HMA Production. 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, 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 control tolerances or QC/QA test results require corrective action, the Contractor shall cease production of the mixture containing RAP and either switch to the virgin aggregate design or submit a new RAP design. When producing mixtures containing conglomerate 3/8 or conglomerate variable size RAP, a positive dust control system shall be utilized.

HMA plants utilizing RAP shall be capable of automatically recording and printing the following information.

(a) Drier 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) 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 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 material (per size) as a percent of the total mix to the nearest 0.1 unit.

(8) Aggregate and RAP moisture compensators in percent as set on the control panel (Required when accumulated or individual aggregate and RAP 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) Individual RAP Aggregate weight to the nearest pound (kilogram).

(6) Virgin asphalt binder weight to the nearest pound (kilogram)

(7) Residual asphalt binder of each RAP size 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 "Other". 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."

SPECIAL PROVISION
FOR
HOT-MIX ASPHALT SURFACE REMOVAL (DECK)

Description: This item shall consist of furnishing all labor and equipment for the removal and satisfactory disposal of the existing hot-mix asphalt surface from portions of the bridge deck area as shown on the plans, in accordance with the applicable portions of Section 440 of the Standard Specifications, and as herein specified.

Construction Requirements: Where only a limited area of surface removal is required, the existing surface shall be saw cut along the edges which will abut new hot-mix asphalt surface. The Contractor shall saw to a depth just above the top of the waterproofing. The hot-mix asphalt surfacing material shall be removed carefully adjacent to the sawn edges so that approximately 6 in. (150 mm) of the existing waterproofing membrane is undamaged for lapping of new waterproofing.

Removal of hot-mix asphalt by the use of radiant or direct heat will not be permitted.

Basis of Payment: This work, as herein specified, will be paid for at the contract unit price per square yard (square meter) for HOT-MIX ASPHALT SURFACE REMOVAL (DECK), which price shall include removal of hot-mix asphalt surface and waterproofing over Deck Slab Repairs or other work areas.

SPECIAL PROVISION
FOR
RIGHT-OF-WAY PARCELS NOT ACQUIRED

CENTRAL AVENUE
135TH STREET TO 127TH STREET
SECTION: 12-W3913-04-RS

The attention of the Contractor is called to the fact that parcels **0001 and 0002** may not have been acquired. No compensation will be allowed for any cost due the Contractor for any delays in proceeding with construction phases involving these parcels.

Necessary steps are now under way to complete the acquisition proceedings and the attention of the Contractor is called further to the fact that these parcels will be available sufficient in advance of the completion date set forth in the 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 acquired, or which the right-of-occupancy or use has not been acquired, consequently, he should check with the Cook County Department of Transportation and Highway as to the latest status of available right-of-way.

The approximate location of the unacquired Parcels noted is shown herein on the Plans; however, the Contractor should apply to the Cook County Department of Transportation and Highway 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

CENTRAL AVENUE

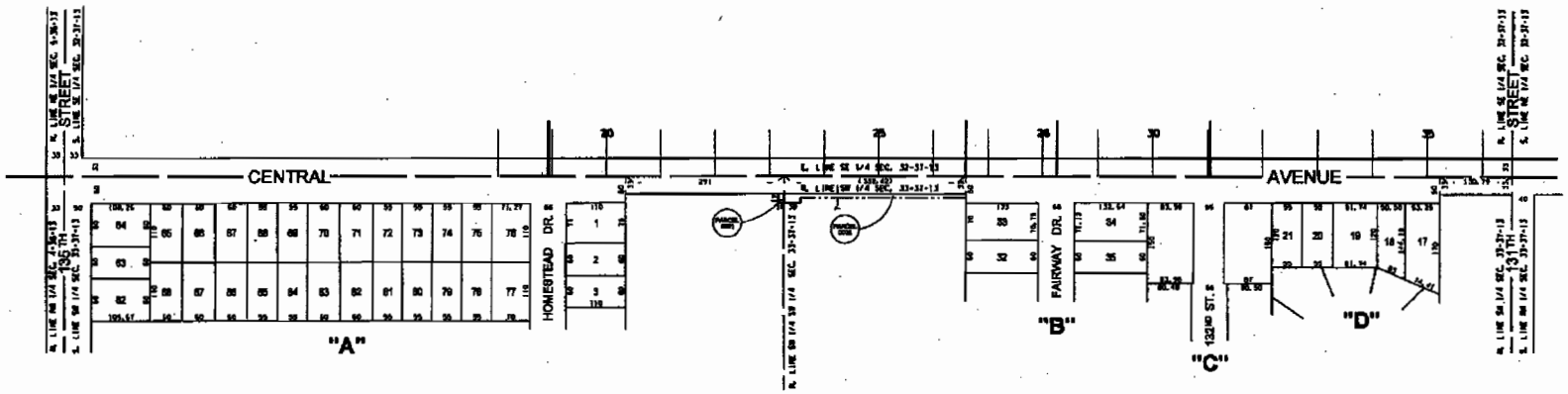
IN SECTIONS 32 & 33, TOWNSHIP 37 NORTH,
RANGE 13 EAST OF 3RD PRINCIPAL MERIDIAN

"A"
PLAYFIEL 2ND ADDITION SUBDIVISION
REC. 10-8-1959 DOC. 17680715

"B"
PLAYFIEL ADDITION
REC. 4-21-1959 T-DOC. 1856183

"C"
DE RUITER'S SUBDIVISION
REC. 7-26-1967 DOC. 20207984

"D"
CURRAN SUBDIVISION
REC. 6-8-1973 DOC. 22354291



N

TRACT NUMBER	OWNER	PART TAKEN SQ. FT.	PART TAKEN ACRES	NOTES
XXXX	XXXX	XXX	XXXX	

NOTES:
DIMENSIONS ARE SHOWN IN FEET AND DECIMAL PARTS THEREOF
DIMENSIONS SHOWN IN PARENTHESES ( ) ARE FIELD OR CALCULATED DISTANCES
P. DENOTES PROPERTY LINE

DEPARTMENT OF TRANSPORTATION AND HIGHWAY
BUREAU OF RIGHT-OF-WAY
COOK COUNTY, ILLINOIS

PLAT OF PROPERTY TO BE ACQUIRED FOR HIGHWAY PURPOSES

PROJECT: CENTRAL AVENUE
135TH STREET TO 127TH STREET

DRAWN: L.M. CABRERA
SCALE: 1" = 100' (1:1200)
SURVEY NO.
DATE
CHECKED
APPROVED
APPROVED

12-W3913-04-RS | 1 | 1

SURFACE TESTING OF HOT-MIX ASPHALT OVERLAYS (BDE)

Effective: January 1, 2013

Revise Article 406.03(h) of the Standard Specifications to read:

"(h) Pavement Surface Test Equipment ..... 1101.10"

Revise Article 406.11 of the Standard Specifications to read:

"**406.11 Surface Tests.** The finished surface of the pavement shall be tested for smoothness according to Article 407.09 of the Supplemental Specifications, except as follows:

One wheel track shall be tested per lane. Testing shall be performed 3 ft (1 m) from and parallel to the edge of the lane away from traffic.

SMOOTHNESS ASSESSMENT SCHEDULE (HMA Overlays)		
High-Speed Mainline Pavement Average Profile Index in./mile (mm/km)	Low-Speed Mainline Pavement Average Profile Index in./mile (mm/km)	Assessment per sublot
6.0 (95) or less	15.0 (240) or less	+$150.00
>6.0 (95) to 10.0 (160)	>15.0 (240) to 25.0 (400)	+$80.00
>10.0 (160) to 30.0 (475)	>25.0 (400) to 45.0 (710)	+$0.00
>30.0 (475) to 40.0 (635)	>45.0 (710) to 65.0 (1025)	+$0.00
Greater than 40.0 (635)	Greater than 65.0 (1025)	-$300.00"

80317

COUNTY OF COOK

CHICAGO, ILLINOIS

PROPOSAL

For a County Highway Improvement in the County of Cook, State of Illinois,

known as Group 1 - 2013

Central Avenue 135th Street to 127th Street Section: 12-W3913-04-RS		Central Avenue Over Tinley Creek Section: 12-W3913-03-BR
151st Street @ Jack Hille Middle School Section: 12-B5626-02-TL		104th Avenue South of 167th Street Section: 12-W2508-01-DR

Route W39, W25, B56

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 improvement to Central Avenue from 135th Street to 127th Street begins at Station 10+10, a point on the centerline of Central Avenue approximately 10 feet north of the centerline of 135th Street and continues along the centerline of Central Avenue from 135th Street in an northerly direction to Station 62+90, a point approximately 18 feet south of the centerline of 127th Street for a total distance of 6,280 feet of which 6,195 feet (1.17 miles) is to be improved, located in the Village of Alsip, Bremen and Worth Townships, Cook County, Illinois.

The improvement to Central Avenue over Tinley Creek begins at Station 46+29, a point on the centerline of Central Avenue approximately 231 feet south of the centerline of 129th Place and continues along the centerline of Central Avenue in an northerly direction to Station 47+14, a point approximately 316 feet north of the centerline of 129th place for a total distance of 85 feet of which 85 feet (0.016 miles) is to be improved, located in the Village of Alsip, Worth Township, Cook County, Illinois.

The improvement to 151st Street at Jack Hille Middle School begins at Station 102+39, a point on the centerline of 151st Street approximately 239 feet east of the centerline of Condado Drive and continues along the centerline of 151st Street in an easterly direction to Station 108+58, a point approximately 858 feet east of the centerline of Condado Drive for a total distance of 619 feet of which 619 feet (0.117 miles) is to be improved, located in the City of Oak Forest, Bremen Township, Cook County, Illinois.

The improvement to 104th Avenue South of 167th Street begins at Station 81+00, a point on the centerline of 104th Avenue approximately 950 feet south of the centerline of 167th Street and continues along the centerline of 104th Avenue in an northerly direction to Station 86+50, a point approximately 300 feet south of the centerline of 167th Street for a total distance of 550 feet of which 6550 feet (0.104 miles) is to be improved, located in the Village of Orland Park, Orland Township, Cook County, Illinois.

DESCRIPTION OF IMPROVEMENT

Central Avenue - 135th Street to 127th Street

This is a Quality Control/Quality Assurance (QC/QA) project utilizing Hot-Mix Asphalt (HMA) mixtures. It is the intent of this improvement to cold in-place recycle the existing pozzolanic base to a depth of 10 in. along Central Avenue. The existing HMA pavement will be milled to a depth of 4 in. and the recycled base and shoulders overlaid with 2 ¼ in. Hot-Mix Asphalt Binder Course, and 1 ¾ in. Asphalt Surface Course. Also included will be pavement striping, steel plate beam guardrail removal, curb and gutter removal and replacement, driveway apron resurfacing, drainage additions and adjustments including ditch regrading, parkway and ditch restoration with sodding and topsoil, detour routing and traffic protection.

Central Avenue (Over Tinley Creek)

It is the intent of this improvement to perform the structural repair of concrete to bridge sidewalk, curb faces, parapets, concrete posts, fascia, deck underside and substructure; perform epoxy crack injection to the bridge deck, bridge approaches, abutment walls and retaining walls; place stone rip rap at the storm sewer outfalls adjacent to bridge; remove and replace settled sidewalk at the bridge approach locations; remove and replace existing waterproofing membrane with two (2) inches of hot mix asphalt over the bridge deck and bridge approaches; and perform deck slab and approach slab repairs, as required.

151st Street @ Jack Hille Middle School

It is the intent of this project to install LED traffic signal heads, LED countdown pedestrian signal heads, push-buttons, traffic posts, mast arms, controller and cabinet, service installation, handholes, cables, conduits, video detection and detection loops, UPS, drainage, stripping and other collateral work necessary to complete the improvements as shown in the plans.

104th Avenue (South of 167th Street)

It is the intent of this project to perform minor drainage work which involves modifying the upstream drainage structure by installing a restrictor system and raising the rim of the existing catch basin. Additionally, ditch regarding will be performed along with pipe underdrains, ditch checks, and stone infiltration systems installation.

ECONOMIC DISCLOSURE STATEMENT AND EXECUTION DOCUMENTS
INDEX

Section	Description
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

Contractor No 1320

D Construction, Inc.
1488 South Broadway Street Coal City, IL 60416

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 SUPER UNLIMITED

001	EARTHWORK	$19,350,000
002	PCC PAVING	$22,750,000
003	HMA PLANT MIX	Unlimited
006	CLEAN & SEAL CRACKS/JOINTS	$850,000
012	DRAINAGE	$20,425,000
014	ELECTRICAL	$7,775,000
017	CONCRETE CONSTRUCTION	$18,800,000
018	LANDSCAPING	$1,075,000
024	GROUTING	$525,000
032	COLD MILL,PLAN. & ROTOMILL	$2,675,000
034	DEMOLITION	$1,575,000
08A	AGGREGATE BASES & SURF. (A)	$20,625,000
09C	HWY., R.R. & WATERWAY STR.	$37,375,000

THIS CERTIFICATE OF ELIGIBILITY IS VALID FROM 1/9/2013 TO 2/28/2014 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 1/9/2013.

Michael W. Reuter
Acting Engineer of Construction

IL 494-0645

COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAY

DBE Participation Statement

Subcontractor Registration Number _____ Letting _____

Participation Statement Project: _____

(1) Instructions Section 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
			Total	

(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 Department of Transportation and Highway and that complete and accurate information regarding actual work performed on this project and the payment therefore must be provided to the Department.**

_____ Signature for Prime Contractor

Title _____

Date _____

Contact Person _____

Phone _____

Firm Name _____

Address _____

City/State/Zip _____

_____ Signature for DBE Firm

Title _____

Date _____

Contact Person _____

Phone _____

Firm Name _____

Address _____

City/State/Zip _____

E _____

WC _____

The Cook County Department of Transportation and Highway is requesting disclosure of information that is necessary to accomplish the statutory purpose as

"D" Construction, Inc.

General Contractor

1488 South Broadway • Coal City, IL 60416
Office (815) 634-2555 • FAX (815) 634-8748

February 20, 2013

County of Cook
118 North Clark Street
Room 1018
Chicago, IL 60602-1304

Sealed Bid For: "Cook County Contract #13-23-022 – Group 1 - 2013"
Bid Due: 2/20/2013 @ 10:00 A.M.

To whom it may concern:

Per the Illinois Department of Transportation Rules of Prequalification of Contractors please find our request to forgo filing an Affidavit of Availability per Article 650.310 sub D based on our Super Unlimited financial rating (See Attached Certificate of Eligibility).

If you have any questions, please call (815) 634-2555.

Sincerely,

Kenneth Sandeno
President

COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAY

DBE Utilization Plan

(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 W39, W25, B56

Section 12-W3913-04-RS, 12-W3913-03-BR, 12-B3026-02-TL, 12-W2508-01-DR

Project IMPROVEMENT: GROUP 1 - 2013

County COOK

Letting Date 02-20-2013

Total Bid $1,959,054.70

Contract DBE Goal 19.00% (Percent) $372,220.99 (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 19.06% 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 _____ percent

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.

D CONSTRUCTION, INC.
Company

By _____

Title PROJECT MANAGER.

Date 2/20/13.

The "as read" Low 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 Transportation and Highway
Contract Documents
69 West Washington Street – Suite 2200
Chicago, IL 60602

The Cook County Department of Transportation and Highway is requesting disclosure of information that his 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.

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COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAY

DBE Participation Statement

Subcontractor Registration Number 2411 Letting 02-13-2013

Participation Statement Project: Group 1 - 2013

(1) Instructions Section No. W39, W25, B56

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
	See Attached			
			Total	123,790.25

(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 Department of Transportation and Highway and that complete and accurate information regarding actual work performed on this project and the payment therefore must be provided to the Department.**

Signature for Prime Contractor

Title Project Manager

Date 2-20-13

Contact Person James K. Walsh

Phone 815-634-2555

Firm Name D Construction, Inc.

Address 1488 S. Broadway

City/State/Zip Coal City, IL 60416

Signature for DBE Firm

Title President

Date 2-20-2013

Contact Person

Phone 219-662-8090

Firm Name Hawk Enterprises, Inc.

Address 1850 E. North St.

City/State/Zip Crown Point, IN 46307

E

WC

The Cook County Department of Transportation and Highway is requesting disclosure of information that is necessary to accomplish the statutory purpose as

COOK COUNTY LETTER OF INTENT
(Section 2)

FROM DBE TO PERFORM AS SUBCONTRACTOR, SUPPLIER AND/OR CONSULTANT

Contract Title & Number: Group 1 - 2013 / Contract #13-23-022

From: Hawk Enterprises, Inc. (DBE Firm)

To: D CONSTRUCTION, INC. (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: $ 123,790.25	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 supplies/performed for the above indicated total dollar amount $ 123,790.25 which represents the above indicated total percentage % for the contract amount $

Johanna Plank, Pres. (Signature of affiant) 2 / 20 / 2013 (Date)

Subscribed and sworn to before me this 20th day of February, 2013

(Notary's Signature) (Notary Seal)

LYNN STUPECK
Notary Public Seal
State of Indiana
My Commission Expires Jun 16, 2015

Upon penalty of perjury, JAMES K. WALSH (print name), the PROJECT MANAGER (title) and duly authorized representative of D CONSTRUCTION, INC. (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 $ 123,790.25 which represents the above indicated total percentage 100 % for the contract amount $ 123,790.25

(Signature of affiant) 2 / 20 / 13 (Date)

Subscribed and sworn to before me this 20th day of February, 20 13

(Notary's Signature) (Notary Seal)

OFFICIAL SEAL
LORI A PIERARD
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:11/17/14

HAWK ENTERPRISES INC.

Letting Date: February 20, 2013

Item:

Contract: CCHD Group 1-2013

Item No.	Description	Qty	Unit	Unit Price	Ext.
95	Maint of EX TS Install	3	EA	2,100.00	6,300.00
104	Ped Cntdwn SH LED 1F BM	2	EA	700.00	1,400.00
105	Ped Cntdwn SH LED 2F BM	1	EA	1,200.00	1,200.00
106	Ped Pushbutton	4	EA	245.00	980.00
107	Full-Actuated Cont & TY Super P Cab	1	EA	16,200.00	16,200.00
108	Inductive Loop Det	2	EA	210.00	420.00
109	Uninterruptible Power Supply w/o Cab	1	EA	4,520.00	4,520.00
110	SMAAP w/ Dual MA 24' & 32' LA 15'	1	EA	8,800.00	8,800.00
111	SMAAP 26'	1	EA	4,800.00	4,800.00
112	SMAAP 28'	1	EA	4,980.00	4,980.00
113	TS Post Galv 10'	1	EA	745.00	745.00
114	TS Post Galv 14'	2	EA	845.00	1,690.00
115	SH LED 1F 3S BM	1	EA	720.00	720.00
116	SH LED 2F 3S MAM	7	EA	810.00	5,670.00
117	SH LED 2F 3S BM	1	EA	1,245.00	1,245.00
118	TS Backplate, Louv Alum	7	EA	102.00	714.00
119	UG Con Galv 2 1/2"	90	FT	17.00	1,530.00
120	UG Con Galv 2"	525	FT	16.00	8,400.00
121	UG Con Galv 4"	190	FT	41.00	7,790.00
122	Concrete Fnd TY A	12	FT	125.00	1,500.00
123	Concrete Fnd TY C	4	FT	300.00	1,200.00
124	Concrete Fnd TY E 30" Dia	20	FT	170.00	3,400.00
125	Concrete Fnd TY E 36" Dia	15	FT	185.00	2,775.00
126	Double HH	1	EA	2,400.00	2,400.00
127	Handhole	5	EA	1,900.00	9,500.00
128	Detector Loop TY I	460	FT	16.00	7,360.00
129	EC C G #6 1C (green)	600	FT	2.00	1,200.00
130	EC C Lead in 14 1 Pair	725	FT	1.00	725.00
131	EC C Service 6 2C	70	FT	3.00	210.00
132	EC C Signal 14 2C	375	FT	1.45	543.75
133	EC C Signal 14 3C	375	FT	1.50	562.50
134	EC C Signal 14 5C	1370	FT	2.00	2,740.00
135	EC Video Detection System	165	FT	2.00	330.00
136	Video Det Sys Single Camera/Processor Video Det	1	EA	7,400.00	7,400.00
137	Service Install, PM	1	EA	940.00	940.00
138	Remove EX TS Equipment	1	EA	2,900.00	2,900.00

Total: $123,790.25

Certified DBE

218

COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAY

DBE Participation Statement

Letting 02-20-2013

Project: Group 1 - 2013

Section No. W39, W25, B56

Subcontractor Registration Number # 10074

Participation Statement

(1) Instructions

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
*56	Waterproofing "Special" "2013 Work"	217.54	223.415	48,588.47
			Total	

(3) Partial Payment Items

For any of the above items which are partial pay items, specifically describe the work and subcontract dollar amount:

Work Force will be Roofers + Waterproofers Local #2 St Louis
No Traffic Control or Flagging, No Masonry, No Asphalt

2 Mobs

(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 Department of Transportation and Highway and that complete and accurate information regarding actual work performed on this project and the payment therefore must be provided to the Department.**

Signature for Prime Contractor

Title Project Manager

Date 2-20-2013

Contact Person JAMES K. WALSH

Phone 815-634-2555

Firm Name D CONSTRUCTION, INC.

Address 1488 S. BROADWAY,

City/State/Zip COAL CITY, IL 60416

Signature for DBE Firm

Title Pres

Date 2/13/13

Contact Person RUSSELL ZAVALA

Phone (618) 942-7433

Firm Name R&E MIDWEST SALES CO, INC

Address PO BOX 607

City/State/Zip HERRIN, IL 62948

E

WC

The Cook County Department of Transportation and Highway is requesting disclosure of information that is necessary to accomplish the statutory purpose as

SBE 2025 (Rev. CCHD 4/11)

Printed 11/20/12

COOK COUNTY LETTER OF INTENT
(Section 2)

FROM DBE TO PERFORM AS SUBCONTRACTOR, SUPPLIER AND/OR CONSULTANT

Contract Title & Number: Group 1 - 2013 / Contract #13-23-022

From: R & E Midwest Sales Co. (DBE Firm)

To: "D" Construction, Inc. (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 listed 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	
#56	Waterproofing "Special"	217 SY	$ 48,588.47	%
			$	%
			$	%
		Total: $	48,588.47	%

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 Russell Zanala (print name) the President (title) and duly authorized representative of the R & E Midwest Sales Co. (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 $ 48,588.47 which represents the above indicated total percentage 100 % for the contract amount $ 48,588.47

(Signature of affiant) 2/20/13 (Date)

Subscribed and sworn to before me this 20 day of February, 20 13

(Notary's Signature) (Notary Seal)

JAMES KYLE WALSH
OFFICIAL SEAL
Notary Public, State of Illinois
My Commission Expires
September 22, 2014

Upon penalty of perjury, ~~Rob Mabe~~ James K. Walsh (print name), the Manager/ (title) and duly authorized representative of "D" Construction, Inc. (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 $ 48,588.47 which represents the above indicated total percentage 100 % for the contract amount $ 48,588.47

(Signature of affiant) 2/20/13 (Date)

Subscribed and sworn to before me this 20th day of February, 20 13

(Notary's Signature) (Notary Seal)

OFFICIAL SEAL
LORI A PIERARD
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:11/17/14

Illinois Department of Transportation
Office of Business & Workforce Diversity
2300 South Dirksen Parkway / Springfield, Illinois 62764.

February 14, 2012

CERTIFIED-RETURN RECEIPT REQUESTED

Mr. Russell J. Zavala
R & E Midwest Sales Company
P.O. Box 607
Herrin, IL 62948

Dear Mr. Zavala:

The Illinois Department of Transportation (IDOT) has approved the "No Change Affidavit" for R & E Midwest Sales Company 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(i), whenever there are <u>any</u> changes in circumstances affecting your firm's eligibility status, your firm <u>must</u> 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,

Debra A. Clark, Manager
Certification Section
Small Business Enterprises

COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAY

DBE Participation Statement

Subcontractor Registration Number: 14062 Letting: 02-13-2013

Participation Statement Project: Group 1 - - 2013

(1) Instructions Section No. W39, W25, B56

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
37	PC Conc Sidewalk 5"	6,018.00	$4.43	$26657.74
38	PC Conc Sidewalk 8"	1,155.00	$5.70	$6583.50
15	Comb. Concrete Curb & Gutter 7B6.12	45.00	$50.00	$2,250.00
44	Detectable Warning	48.00	$30.00	$1,440.00
			Total	$36933.24

(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 Department of Transportation and Highway and that complete and accurate information regarding actual work performed on this project and the payment therefore must be provided to the Department.

Signature for Prime Contractor

Title: PROJECT MANAGER.
Date: 2-20-13
Contact Person: JAMES K. WALSH
Phone: 815-634-2555
Firm Name: D CONSTRUCTION, INC.
Address: 1488 S. BROADWAY
City/State/Zip: COAL CITY, IL 60416

Signature for DBE Firm

Title: PRESIDENT
Date: 02/11/2013
Contact Person: NNAMDI OZOH
Phone: 773-808-0138
Firm Name: Ozoh Engineering & Construction LLC
Address: 18331 Mulberry Terrace
City/State/Zip: Country Club Hills, IL 60478

E

WC

The Cook County Department of Transportation and Highway is requesting disclosure of information that is necessary to accomplish the statutory purpose as

COOK COUNTY LETTER OF INTENT
(Section 2)

FROM DBE TO PERFORM AS SUBCONTRACTOR, SUPPLIER AND/OR CONSULTANT

Contract Title & Number: Group 1 - 2013 / Contract #13-23-022

From: OZOH Engineering & Construction LLC (DBE Firm)

To: "D" Construction, Inc. (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	
37	PC Conc Sidewalk 5"	6018.00	$ 26,659.74	100 %
38	PC Conc Sidewalk 8"	1,155.00	$ 6,583.50	100 %
15	Comb C&G Ty B6.12	45.00	$ 2,250.00	100 %
44	Detectable Warning	48.00	$ 1,440.00	100 %
			Total: $ 36,933.24	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 NNAMDI OZOH (print name) the PRESIDENT (title) and duly authorized representative of the OZOH Engineering & Construction LLC (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 $ 36,933.24 which represents the above indicated total percentage 100 % for the contract amount $ 36,933.24

(Signature of affiant) 02/11/2013 (Date)

Subscribed and sworn to before me this 11 day of February 2013

(Notary's Signature) (Notary Seal)

OFFICIAL SEAL
TORIE R. TURNER
Notary Public - State of Illinois
My Commission Expires Jun 30, 2015

Upon penalty of perjury, ~~Rob Matt~~ James K. Walsh (print name),

the Manager/~~DBE Representative~~ (title) and duly authorized representative of "D" Construction, Inc. (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 $ 36,933.24 which represents the above indicated total percentage 100 % for the contract amount $ 36,933.24

(Signature of affiant) 2/20/13 (Date)

Subscribed and sworn to before me this 20th day of February 2013

(Notary's Signature) (Notary Seal)

OFFICIAL SEAL
LORI A PIERARD
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:11/17/14

OZOH ENGINEERING & CONSTRUCTION LLC.
18331 MULBERRY TERRACE
COUNTRY CLUB HILLS, IL 60478
Phone: (773)808-0138 . Fax: (708)798-4258
ozohconstruction@yahoo.com

FEB-11-2013 12:40 From:183RD & PULASKI CX. 7089573045 To:1+815+634+8748 P.2/5

<=====CONTRACTOR NUMBER
CONTRACTOR NAME=====>
COUNTY(IES)=========> COOK–
SECTION=============> Group1 - 2013 BLANK PRICES 0
LETTING DATE=======> February 13, 2013
ITEM NUMBER=========> TOTAL QUANTITY PAY ITEMS 4 TOTAL BID $38,933.24
13-23-022 <====CONTRACT NUMBER 7,268.000

PIN	PAY ITEM DESCRIPTION	U OF M	QUANTITY	X	UNIT PRICE	=	TOTAL PRICE
37	PC CONC SIDEWALK 6	SQ FT	6,018.000		4.43		$26,659.74
38	PC CONC SIDEWALK 8	SQ FT	1,155.000		5.70		$6,583.50
15	Comb Curb&Gutter, Ty B6.12	Foot	45.000		50.00		$2,250.00
44	DETECTABLE WARNINGS	SQ FT	48.000		30.00		$1,440.00

*Grading, excavation, backfill, stone & fill material for pavements, sidewalks, medians, base course, curbs & gutter and driveways are not included in above quote. General will be responsible for bringing aggregate material to concrete elevations. Above pay items are quoted with an 8% concrete waste, Quote does does not include any tie-bars, or any form of reinforcement material. Any additional concrete over 8 % will be back charged to prime. Payments will be based on actual field measurements.

Notice of Conditions--1) Any additional charges from concrete plant for heating concrete and labor or materials required to cover concrete due to low temperatures, weekend concrete deliveries will be back charged to the prime. 2) Traffic control, QA/QC, Layout engineering by others 3) No bond 4) Payment every two weeks 5) No Retention 6) Access road by others 7) Work week will consist of (Daytime) 8hrs per day Mon- Fri. 8) No holidays work, No night work 9) Sub grade/base to plans elevations by others 10) No railroad insurance or fuel adjustment participation 11) Underground/sewer work is responsibility of others 100% 12)Additional cost for ice or any other cooling method for the concrete in hot temperatures will be back charged to the prime. 13) Quote does not include any hoisting. Any extra machinery or labor to run additional machinery needed to get concrete to plan area are by others. 14)Quotes includes 2 mobilizations. Additional mobilizations will be billed @ $2000 each. 15.) All of the above subject to formal contract agreement. Mobilization are paid in full with first invoice.

Ozoh Engineering & Construction LLC. is a DBE Certified Company.

Metra
The way to really fly

547 W Jackson Blvd. Chicago, Illinois 60661 (312) 322-6900 TTY#1-312-322-6774

October 15, 2012

Nnamdi Ozoh
Ozoh Engineering & Construction, LLC
18331 Mulberry Terrace
Country Club Hills, IL 60478-5252

Dear Mr. Ozoh:

Metra has reviewed your annual *No Change Affidavit* and supporting documentation and is pleased to inform you that your firm continues to meet the Disadvantaged Business Enterprise (DBE) program certification eligibility standards set forth in 49 CFR Subpart D 26.61. Your next No Change Affidavit is due **October 15, 2013.** Notification will be sent to you sixty (60) days prior to this date.

This certification allows your firm to participate as a DBE in the Illinois Unified Certification Program (IL UCP). The participating agencies include the Illinois Department of Transportation, the City of Chicago, the Chicago Transit Authority, Metra and Pace.

If there is any change in circumstances during the course of your certification that affect your ability to meet size standards, disadvantaged status, ownership, or control requirements or any material change in the information provided in your initial application, you must provide written notification to this agency within thirty (30) days of the occurrence of the change. Failure to provide this information is grounds for removal of certification based on failure to cooperate pursuant to 49 CFR 26.109(c).

The Directory is used by prime contractors/consultants, as well as other agencies, to solicit participation of DBE firms. The Directory can be accessed at www.metrarail.com under the DBE Business Diversity link. Your firm's name will appear in the IL UCP DBE Directory under the following:

NAICS Code: 237310

Specialty: Roadway Construction; Concrete, Asphalt and Structures

Your participation on contracts will only be credited toward DBE contract goals when your firm performs a Commercially Useful Function (CUF) in its approved area(s) of specialty.

Sincerely,

Janice R. Thomas, CPPB
Director
Office of Business Diversity and Civil Rights

JRT:ms/bg

MS

218

COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAY Contract No.: 13-23-022

DBE Participation Statement

Subcontractor Registration Number 3689 Letting 2/13/2013

Participation Statement Project: Group 1-2013

(1) Instructions Section No. 12-W2508-01-DR, 12-B5636-02-TL, 12-W3913-04-RS

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
99	Thpl Pvt Mk Ltr + Sym	330 SF	$ 4.00	$ 920.00
100	Thpl Pvt Mk Line 12	900 FT	3.50	3,150.00
101	Thpl Pvt Mk Line 24	60 FT	7.00	420.00
102	Thpl Pvt Mk Line 4	15400 FT	0.99	15,246.00
103	Thpl Pvt Mk Line 6	600 FT	1.75	1,050.00
			Total	$ 20,786.00

(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 Department of Transportation and Highway and that complete and accurate information regarding actual work performed on this project and the payment therefore must be provided to the Department.**

Signature for Prime Contractor

Title PROJECT MANAGER

Date 2-20-13

Contact Person JAMES K. WALSH

Phone 815-634-2555

Firm Name D CONSTRUCTION, INC.

Address 1488 S. BROADWAY

City/State/Zip COAL CITY, IL 60416

Signature for DBE Firm

Title Executive Vice-President

Date 2/13/13

Contact Person Judith M. Peszek

Phone 847-462-0799

Firm Name Marking Specialists Corporation

Address 214 Crystal St - Suite C

City/State/Zip Cary, IL 60013

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WC

The Cook County Department of Transportation and Highway is requesting disclosure of information that is necessary to accomplish the statutory purpose as

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COOK COUNTY LETTER OF INTENT
(Section 2)

FROM DBE TO PERFORM AS SUBCONTRACTOR, SUPPLIER AND/OR CONSULTANT

Contract Title & Number: 13-23-022/10th Ave, 15th Ave, Central Ave. 12-W2508-01-DR; 12-B5626-02-TL; 12-W3913-04-RS

From: Marking Specialists Corporation (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	
99	Thpl Pvt Mk Ltr + Sym	230 SF	$4.00 = $920.00	%
100	Thpl Pvt Mk Line 12	900 FT	$3.50 = $3,150.00	%
101	Thpl Pvt Mk Line 24	60 FT	$7.00 = $420.00	%
102	Thpl Pvt Mk Line 4	15400 FT	$0.99 = $15,246.00	
103	Thpl Pvt Mk Line 6	600 FT	$1.75 = $1,050.00	
			Total: $ 20,786.00	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 Robert W. Buerer (print name) the Executive Vice-President (title) and duly authorized representative of the Marking Specialists Corporation (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 $ 20,786.00 which represents the above indicated total percentage _____ % for the contract amount $ _____.

[signature] (Signature of affiant) 2/11/13 (Date)

NOTARY PUBLIC OFFICIAL SEAL STATE OF ILLINOIS
JUDITH M PESZEK
MY COMMISSION EXPIRES MAY 13, 2014

Subscribed and sworn to before me this 11th day of February, 2013

Judith M Peszek (Notary's Signature) _____ (Notary Seal)

Upon penalty of perjury, JAMES K. WALSH (print name), the PROJECT MANAGER (title) and duly authorized representative of D CONSTRUCTION, INC. (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 $ 20,786.00 which represents the above indicated total percentage 100 % for the contract amount $ 20,786.00.

[signature] (Signature of affiant) 2/20/13 (Date)

Subscribed and sworn to before me this 20th day of February, 2013

[signature] (Notary's Signature) _____ (Notary Seal)

OFFICIAL SEAL
LORI A. PIERARD
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:11/17/14

Marking Specialists Corporation
214 Crystal Street, Suite C
Cary IL, 60013

Voice: 847-462-0799
Fax: 847-462-0929
Email: judy@markingspecialists.net

Quote No.: 18089
Quote Date: 02/06/2013

Contract No.: 13-23-022
Bid Date: 02/13/2013
Complete By: 11/01/2013

QUOTATION

County: COOK

Section: 12-W2508-01-DR; 12-B5626-02-TL; 12-W3913-04-RS

Description: GROUP 1-2013: 3 LOCATIONS / 104TH AVE, S OF 167TH ST., SEC.: 12-W2508-01-DR; 151ST ST AT JACK HILLE MIDDLE SCHOOL, SEC.: 12-B5626-02-TL; AND CENTRAL AVE, 135TH ST TO 127TH ST, SEC.: 12-W3913-04-RS
CCHD CONTRACT # 13-23-022

Gentlemen:

We propose to furnish all necessary labor, material, tools and equipment to complete the following work according to plans and specifications:

Item No.	Description	Unit	Qty	Price	Ext. Amount
99	THPL PVT MK LTR & SYM	SF	230.000	$4.000	$920.00
100	THPL PVT MK LINE 12	FT	900.000	$3.500	$3,150.00
101	THPL PVT MK LINE 24	FT	60.000	$7.000	$420.00
102	THPL PVT MK LINE 4	FT	15400.000	$0.990	$15,246.00
103	THPL PVT MK LINE 6	FT	600.000	$1.750	$1,050.00
				Bid Total	$20,786.00

These prices are firm for a period of sixty (60) days from the date of the contract award. Other materials, if required, will be priced separately. Permanent pavement marking is expected to be completed with one mobilization. Additional mobilizations will cost $2,000.00 each. Lane closures, if required, are the responsibility of the prime contractor. Unless stated otherwise, prices do not include costs for bonds, special insurance or permits.

We thank you for the opportunity to quote on this work and hope we will be favored with your order.

Very Truly Yours,

Judith M. Peszek, Chief Estimator
Marking Specialists Corporation

I.D.O.T. Certified DBE C.D.O.T. Certified DBE & MBE Cook County Certified MBE

METRA Certified DBE City of Rockford MBE

An Equal Opportunity Employer

THE BOARD OF COMMISSIONERS
TONI PRECKWINKLE, PRESIDENT

Earlean Collins	1st Dist.	Bridget Gainer	10th Dist.
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Deborah Sims	5th Dist.	Gregg Goslin	14th Dist.
Joan P. Murphy	6th Dist.	Timothy O. Schneider	15th Dist.
Jesus G. Garcia	7th Dist.	Jeffrey R. Tobolack	16th Dist.
Edwin Reyes	8th Dist.	Elizabeth Ann Doody Gorman	17th Dist.
Peter N. Silvestri	9th Dist.		

COUNTY OF COOK
BUREAU OF FINANCE
OFFICE OF CONTRACT COMPLIANCE
SHANNON E. ANDREWS
DIRECTOR

County Building
118 North Clark Street, Room 1020
Chicago, Illinois 60602-1304
TEL: (312) 603-5502

December 14, 2012

Mr. Alfredo Zavala, President
Marking Specialists Corporation
P.O. Box 745
Arlington Heights, IL 60006

Annual Certification Expires: December 14, 2013

Dear Mr. Zavala:

Congratulations on your continued eligibility for Certification as an **MBE** by Cook County Government. This annual **MBE** Certification is valid until **December 14, 2013.**

As a condition of continued Certification during the three (3) year term, you must file a **"No Change Affidavit"** within **sixty (60) business days prior** to the date of annual expiration. Failure to file this Affidavit shall result in the termination of your Certification. You must notify Cook County Government's Office of Contract Compliance of any change in ownership or control or any other matters or facts affecting your firm's eligibility for Certification.

Cook County Government may commence action to remove your firm as an **MBE** vendor if you fail to notify us of any changes of facts affecting your firm's Certification, or if your firm otherwise fails to cooperate with the County in any inquiry or investigation. Removal of your status may also be commenced if your firm is found to be involved in bidding or contractual irregularities.

Your firm's name will be listed in Cook County's Directory of Minority Business Enterprises, Women and Veteran Business Enterprises in the area(s) of specialty:

Construction: Paving Services

Your firm's participation on Cook County contracts will be credited toward **MBE** goals in your area(s) of specialty. While your participation on Cook County contracts is not limited to your specialty, credit toward **MBE** goals will be given only for work performed in the specialty category.

Thank you for your continued interest in Cook County Government's Minority, Women and Veteran Business Enterprise Program.

Sincerely,

Shannon E. Andrews
Contract Compliance Director

SEA/ar

2014

Illinois Department of Transportation
Office of Business & Workforce Diversity
2300 South Dirksen Parkway / Springfield, Illinois 62764

April 6, 2012

CERTIFIED-RETURN RECEIPT REQUESTED

Mr. Alfredo Zavala
Marking Specialists Corporation
P. O. Box 745
Arlington Heights, IL 60006

Dear Mr. Zavala:

The Illinois Department of Transportation (IDOT) has approved the "No Change Affidavit" for Marking Specialists Corporation 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(i), 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,

Debra A. Clark, Acting Bureau Chief
Bureau of Small Business Enterprises

Illinois Department of Transportation

MARKING SPECIALISTS CORPORATION

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.

Milton R. Sees
Secretary
Illinois Department of Transportation

Carol Lyle
Bureau Chief
Small Business Enterprises

Effective the **24th** day of **FEBRUARY, 2009**

DBE

COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAY

DBE Participation Statement

Subcontractor Registration Number 12976

Letting 02-13-2013

Participation Statement

Project: Group 1 - 2013

(1) Instructions

Section No. W39, W25, B56

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
29,32,34,...	PART TIME TRUCKING/HAULING	180 HR	$83.00	$ 23,240-
			Total	23,240-

(3) Partial Payment Items

For any of the above items which are partial pay items, specifically describe the work and subcontract dollar amount:

PER HOUR RATE FOR TRUCKING/HAULING.

(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 Department of Transportation and Highway and that complete and accurate information regarding actual work performed on this project and the payment therefore must be provided to the Department.**

Signature for Prime Contractor

Title PROJECT MANAGER

Date 2/20/13

Contact Person JAMES. K. WALSH

Phone 815.634.2555

Firm Name D CONSTRUCTION, INC.

Address 1488 S. BROADWAY

City/State/Zip COAL CITY, IL 60416

Signature for DBE Firm

Title President

Date 2/11/13

Contact Person Israel Duplan

Phone 773 368 7909

Firm Name Interunited Trucking Corp

Address 2125 N. Kilpatrick

City/State/Zip Chicago IL 60639

E

WC

The Cook County Department of Transportation and Highway is requesting disclosure of information that is necessary to accomplish the statutory purpose as

COOK COUNTY LETTER OF INTENT
(Section 2)

FROM DBE TO PERFORM AS SUBCONTRACTOR, SUPPLIER AND/OR CONSULTANT

Contract Title & Number: Group 1 - 2013 / Contract #13-23-022

From: Intermixed Trucking Corp (DBE Firm)

To: "D" Construction, Inc. (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	
VARIOUS	TRUCKING/HAULING	280	$ 83.00/HR	100 %
			$ $23,240-	%
			$	%

Total: $ 23,240- %

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 Nicolas Ramirez (print name) the President (title) and duly authorized representative of the Intermixed Trucking Corp (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 $ 23,240- which represents the above indicated total percentage 100 % for the contract amount $ 23,240-

Nicolas Ramirez (Signature of affiant) 02 / 11 / 13 (Date)

JAMES KYLE WALSH
OFFICIAL SEAL
Notary Public, State of Illinois
My Commission Expires
September 22, 2014

Subscribed and sworn to before me this 11 day of FEBRUARY, 2013

(Notary's Signature) (Notary Seal)

Upon penalty of perjury, ~~Rob Mate~~ James K Walsh (print name), the Manager/ ~~DBE Program Assistant~~ (title) and duly authorized representative of "D" Construction, Inc. (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 $ 23,240 which represents the above indicated total percentage 100 % for the contract amount $ 23,240

(Signature of affiant) 02, 20, 13 (Date)

Subscribed and sworn to before me this 20 day of FEBRUARY, 2013

(Notary's Signature) (Notary Seal)

OFFICIAL SEAL
LORI A PIERARD
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:11/17/14

Illinois Department of Transportation
Office of Business & Workforce Diversity
2300 South Dirksen Parkway / Springfield, Illinois 62764

February 6, 2013

CERTIFIED-RETURN RECEIPT REQUESTED

Mr. Nicolas Ramirez
Interunited Trucking Corp.
966 Solux Dr.
Round Lake Heights, IL 60073

To Whom It May Concern:

Interunited Trucking Corp. is certified as a Disadvanteged Business Enterprise (DBE) with the Illinois Department of Transportation. Please accept this letter until such time as their review is completed.

Should you have any questions, please contact our office at (217) 782-5490.

Sincerely,

Debra A. Clark, Acting Bureau Chief
Bureau of Small Business Enterprises

COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAY

DBE Participation Statement

Subcontractor Registration Number 10849

Letting 2-20-13

Project: Group 1 - 2013

Section No. 13-23-022

Participation Statement

(1) Instructions

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
	SEE ATTACHED QUOTE			
			Total	120,031.00

(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 Department of Transportation and Highway and that complete and accurate information regarding actual work performed on this project and the payment therefore must be provided to the Department.

James K. Walsh
Signature for Prime Contractor

Title PROJECT MANAGER

Date 2-20-13

Contact Person JAMES K. WALSH

Phone 815-634-2555

Firm Name D CONSTRUCTION INC.

Address 1488 S. BROADWAY

City/State/Zip COAL CITY, IL 60416

Enrique Jaime
Signature for DBE Firm

Title PRESIDENT

Date 2-20-13

Contact Person ENRIQUE JAIME

Phone 815-544-0454

Firm Name LARRIO SYSTEMS

Address 11933 COUNTY LINE RD.

City/State/Zip GARDEN PRAIRIE, IL. 61038

E

WC

The Cook County Department of Transportation and Highway is requesting disclosure of information that is necessary to accomplish the statutory purpose as

COOK COUNTY LETTER OF INTENT
(Section 2)

FROM DBE TO PERFORM AS SUBCONTRACTOR, SUPPLIER AND/OR CONSULTANT

Contract Title & Number: GROUP I - 2013 , 13-23-022

From: LARADO SYSTEMS (DBE Firm)

To: D CONSTRUCTION, INC. (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 $ 120,031.60	%

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 ENRIQUE JAIME (print name) the PRESIDENT (title) and duly authorized representative of the LARADO SYSTEMS. (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 $ 120,031.60 which represents the above indicated total percentage 100 % for the contract amount $ 120,031.60

Enrique Jaime (Signature of affiant) 2, 20, 13 (Date)

Subscribed and sworn to before me this 20 day of FEBRUARY, 20 13

(Notary's Signature) (Notary Seal)

JAMES KYLE WALSH
OFFICIAL SEAL
Notary Public, State of Illinois
My Commission Expires
September 22, 2014

Upon penalty of perjury, JAMES K. WALSH (print name), the PROJECT MANAGER (title) and duly authorized representative of D CONSTRUCTION, INC. (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 $ 120,031.60 which represents the above indicated total percentage 100 % for the contract amount $ 120,031.60

(Signature of affiant) 2, 20, 13 (Date)

Subscribed and sworn to before me this 20th day of February, 20 13

(Notary's Signature)

OFFICIAL SEAL
LORI A PIERARD
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:11/17/14

Larado Systems
Cook County Group 1 - 2012

4	136	POUND	NITROGEN FERTILIZER NUTRIENT	$	2.00	$ 272.00
5	136	POUND	PHOSPHORUS FERTILIZER NUTRIENT	$	2.00	$ 272.00
6	136	POUND	POTASSIUM FERTILIZER NUTRIENT	$	2.00	$ 272.00
7	0.2	ACRE	SEEDING, CLASS 7	$	5,000.00	$ 1,000.00
8	6,311	SQ.YD.	SODDING	$	6.00	$ 37,866.00
9	3,086	SQ.YD.	SODDING, SALT TOLERANT	$	6.50	$ 20,059.00
10	93.2	UNIT	SUPPLEMENTAL WATERING	$	55.00	$ 5,126.00
11	10,317	SQ.YD.	TOPSOIL FURNISH AND PLACE, 4 IN	$	3.80	$ 39,204.60
13	2,040	SQ.YD.	EROSION CONTROL BLANKET	$	4.00	$ 8,160.00
15	14	EACH	INLET AND PIPE PROTECTION	$	200.00	$ 2,800.00
16	16	EACH	INLET FILTERS	$	250.00	$ 4,000.00
17	200	FOOT	PERIMETER EROSION BARRIER	$	5.00	$ 1,000.00

TOTAL $ 120,031.60

Metra℠
The way to really fly

547 W Jackson Blvd Chicago Illinois 60661 (312) 322-6900 TTY#1-312-322-6

October 1, 2012

Enrique Jaime
Laredo Systems
11933 County Line Rd
Garden Prairie, IL 61038-9607

Dear Mr. Jaime:

Metra has reviewed your annual *No Change Affidavit* and supporting documentation and is pleased to inform you th your firm continues to meet the Disadvantaged Business Enterprise (DBE) program certification eligibility standards s forth in 49 CFR Subpart D 26.61. Your next No Change Affidavit is due **October 1, 2013.** Notification will be sent you sixty (60) days prior to this date.

This certification allows your firm to participate as a DBE in the Illinois Unified Certification Program (IL UCP). Tl participating agencies include the Illinois Department of Transportation, the City of Chicago, the Chicago Trans Authority, Metra and Pace.

If there is any change in circumstances during the course of your certification that affect your ability to meet si standards, disadvantaged status, ownership, or control requirements or any material change in the information provided your initial application, you must provide written notification to this agency within thirty (30) days of the occurrence the change. Failure to provide this information is grounds for removal of certification based on failure to coopera pursuant to 49 CFR 26.109(c).

The Directory is used by prime contractors/consultants, as well as other agencies, to solicit participation of DBE firm The Directory can be accessed at www.metrarail.com under the DBE Business Diversity link. Your firm's name w appear in the IL UCP DBE Directory under the following:

NAICS Code: 561730

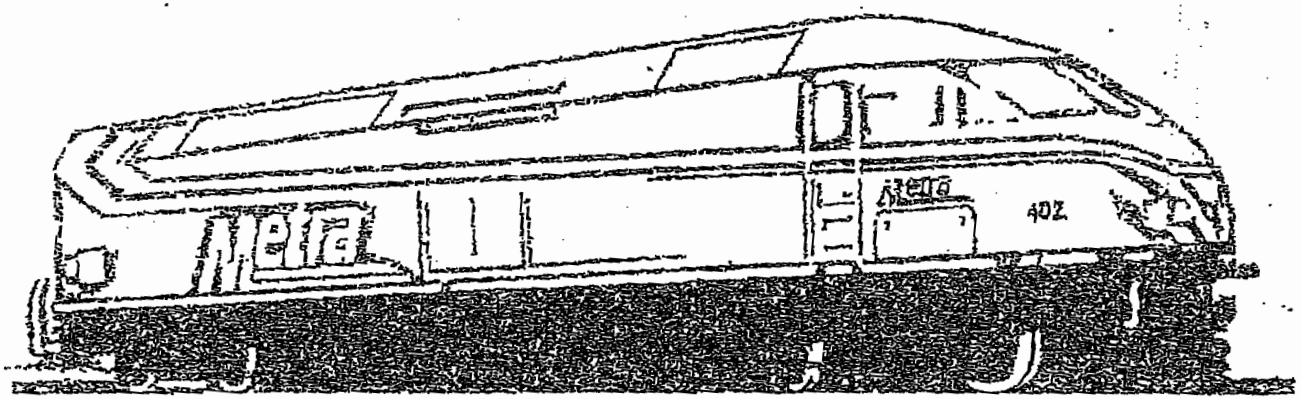
Specialty: Landscaping Services

Your participation on contracts will only be credited toward DBE contract goals when your firm performs a Commercial Useful Function (CUF) in its approved area(s) of specialty.

Sincerely,

Janice R. Thomas, CPPB
Director
Office of Business Diversity and Civil Rights

JRT:gl/bg



LAREDO SYSTEMS

is hereby certified as a

Disadvantaged Business Enterprise

This certificate is valid under current firm ownership and operational control and supersedes any authorization or listing previously issued.

Sandi Llano DBE Director

07-01-10
Issued

07-01-11
Expires

Metra

15:12 METRA DBE THU 10:17 AM LAREDO SYSTEMS
312 322 4077 FAX No. 18155441088
P.02
P.014/014

PETITION FOR WAIVER OF DBE PARTICIPATION
(SECTION 3)

A. BIDDER/PROPOSER HEREBY REQUESTS:

☐ **FULL DBE WAIVER**

☐ **FULL DBE WAIVER**

☐ **REDUCTION (PARTIAL DBE PARTICIPATION)**

_____% 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)**

☐ 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)**

☐ 5) Engaged DBE for indirect participation **(please explain)**

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).

____ Making efforts to assist interested DBE companies in obtaining necessary equipment, supplies, materials, or related assistance or services.

____ 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.

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: _____

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: _____

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

NONE

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:_____ 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:_____ 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): _____

_____

_____

(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:

NONE

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 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 [X] Applicant or [ ] Stock/Beneficial Interest Holder

This Statement is an: [X] Original Statement or [ ] Amended Statement

Identifying Information:

Name D. Construction, Inc. D/B/A: _____ EIN NO.: 36-3170008

Street Address: 1488 S. Broadway

City: Coal City State: IL Zip Code: 60416

Phone No.: (815) 634-2555

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
Kenneth Sandeno	5540 Bayview Drive, Morris, IL 60450	33 1/3 %
Todd Sandeno	5550 Bayview Drive, Morris, IL 60450	33 1/3 %
Tamara L. Hansen	207 S. Grundy, Gardner, IL 60424	33 1/3 %

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
N/A		

3. Is the Applicant constructively controlled by another person or Legal Entity? [ ] Yes [X] 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):

[X] 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.

Kenneth Sandeno
Name of Authorized Applicant/Holder Representative (please print or type)

President
Title

Signature

2/20/13
Date

e.leasure@dconstruction.net
E-mail address

(815) 634-2555
Phone Number

Subscribed to and sworn before me
this 20th day of February, 2013

My commission expires: 11/17/14

X
Notary Public Signature

Notary Seal

OFFICIAL SEAL
LORI A PIERARD
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:11/17/14

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
- Child
- Brother
- Sister
- Aunt
- Uncle
- Niece
- Nephew
- Grandparent
- Grandchild
- Father-in-law
- Mother-in-law
- Son-in-law
- Daughter-in-law
- Brother-in-law
- Sister-in-law
- Stepfather
- Stepmother
- Stepson
- Stepdaughter
- Stepbrother
- Stepsister
- Half-brother
- 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

Cook County Department of Transportation and Highway

Project: Group I - 2013, Contract # 13-23-022

Section: 12-W3913-04-RS, 12-W3913-03-BR, 12-B5626-02-TL, 12-W2508-01-OR

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: Kenneth Sandeno Title: President

Business Entity Name: D. Construction, Inc. Phone: (815) 634-2555

Business Entity Address: 1488 S. Broadway, Coal City, IL 60416

____ 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.

X 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.

Owner/Employee's Signature — 2/20/13 Date

Subscribed and sworn before me this 20th Day of February, 2013
a Notary Public in and for Grundy County

(Signature)

NOTARY PUBLIC SEAL

OFFICIAL SEAL
LORI A PIERARD
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:11/17/14

My Commission expires 11/17/14

Completed forms must be filed within 30 days of the execution of any contract or lease with Cook County and should be mailed to:

Cook County Board of Ethics
69 West Washington Street,
Suite 3040
Chicago, Illinois 60602

CONTRACTOR'S CERTIFICATION CONCERNING LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS

(SECTION 6)

To Contractor:

Date: 2-20-2013
Project Number: 13-23-022
Project Name Group I- 2013

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: D. Construction, Inc.
   1488 S. Broadway
   Coal City, IL 60416

   (b) The undersigned is (check one):
   ____ Sole Proprietorship
   ____ Partnership
   ✓ Corporation
   ____ Other Organization (Describe)

   (c) The name, title and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
Kenneth Sandeno	President	5540 Bayview Drive, Morris, IL 60450
Todd Sandeno	Vice-President	5550 Bayview Drive, Morris, IL 60450
Tamara L. Hansen	Sec/Treas	207 S. Grundy, Gardner, IL 60424

(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
NONE		

(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
NONE		

DATE 2/20/2013

D. Construction, Inc.
CONTRACTOR

X
SIGNATURE Kenneth Landoro

SUBCONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS
(Section 5)

To Contractor:

Date: 2-20-2013
Project Number: 13-23-022
Project Name Group 1 - 2013

1. The undersigned, if awarded a contract with D Construction, Inc (Contractor) for Electical (Nature of Work) in the amount of $123,790.25 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 5.5(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
_X_ Corporation
___ Other Organization (Describe)

(c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
Johanna Plank	President	3200 E 145th Ave. Crown Point, IN 46307

DATE 2-20-2013

SUBCONTRACTOR
X Johanna Plank, Pres
SIGNATURE

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SUBCONTRACTOR'S CERTIFICATION CONCERNING LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS

(Section 6)

To Contractor:
"D" Construction, Inc.
1488 S Broadway
Coal City, IL. 60416

Date: 2-20-13
Project Number: 13-23-022
Project Name: Group 1 - 2013

1. The undersigned, if awarded a contract with "D" Construction, Inc. (Contractor) for WATER PROOFING (Nature of Work) in the amount of $ 48,586.47 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 date indicated by contractor (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
- X Corporation
- ___ Other Organization (Describe)

(c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
Russell Zanala	Pres.	PO Box 607 Herrin, IL 62948

DATE 2/29/13

SUBCONTRACTOR

X [signature]
SIGNATURE

SUBCONTRACTOR'S CERTIFICATION CONCERNING LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS

(Section 9)

To Contractor:
"D" Construction, Inc.
1488 S Broadway
Coal City, IL. 60416

Date: 2-20-13
Project Number: 13-23-022
Project Name: Group 1 - 2013

1. The undersigned, if awarded a contract with "D" Construction, Inc. (Contractor) for Sidewalk, (Nature of Work) in the amount of $36,933.24 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 5.5(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 Subcontractor.

3. The workmen will report for duty on date indicated by contractor (Date)

4. He certifies that:

(a) The legal name and the business address of the undersigned are: Ozon Engineering & Construction LLC.

(b) The undersigned is (check one):
___ Sole Proprietorship
___ Partnership
X Corporation
___ Other Organization (Describe)

(c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
Nnamdi Ozoh	President	18331 Mulberry Terrace Country Club Hills, IL 60478

DATE 02/11/2013

SUBCONTRACTOR
X _____
SIGNATURE

SUBCONTRACTOR'S CERTIFICATION CONCERNING LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS

(Section 6) Contract 13-23-022

To Contractor:

Date: 2/13/13
Project Number: 12-W2509-01-DR; 12-B5626-02-TL; 12-W3913-04-RS
Project Name 104th Ave., 151st St.; Central Ave. Group 1-2013

1. The undersigned, if awarded a contract with D CONSTRUCTION, INC. (Contractor) _____ for Pavement Marking (Nature of Work) _____ in the amount of $ 20,786.00 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 4/15/13 (Date)

4. He certifies that:

   (a) The legal name and the business address of the undersigned are: Marking Specialists Corporation 214 Crystal St - Suite C Cary, IL 60013

   (b) The undersigned is (check one):
   - ___ Sole Proprietorship
   - ___ Partnership
   - X Corporation
   - ___ Other Organization (Describe)

   (c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
Alfredo Zavala	President	1430 Royal Court Elgin, IL 60123
Maria Zavala	Director	Same as above
Robert K. Buerer	V.P.	1622 S. Princeton Arl. Hts, IL 60005
Dolores M. Buerer	Sec./Treas.	Same as above
Robert W. Buerer	Exec. V.P.	532 Glen Gary Cary, IL 60013

DATE 2/11/13

SUBCONTRACTOR
x Jordan M Berger
SIGNATURE

SUBCONTRACTOR'S CERTIFICATION CONCERNING LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS

(Section 6)

To Contractor:
"D" Construction, Inc.
1488 S Broadway
Coal City, IL. 60416

Date: 2/20/13
Project Number: 13-23-022
Project Name Group 1 - 2013

1. The undersigned, if awarded a contract with "D" Construction, Inc. (Contractor) for Trucking (Nature of Work) in the amount of $ 23,240 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 date indicated by contractor (Date)

4. He certifies that:

(a) The legal name and the business address of the undersigned are: Intervmtrd Trucking Corp 2125 N Kilpatrick Chicago IL 60639

(b) The undersigned is (check one):
- ___ Sole Proprietorship
- ___ Partnership
- X Corporation
- ___ Other Organization (Describe)

(c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
Nicolas Ramirez	president	966 Sioux Drive Round Lake IL 60073
Jesus Martinez	Treasurer	3348 N Karlov Chicago IL 60623
Eduardo Montoya	Secretary	3205 Ridgeway Chicago IL 60623
Lionel Corado	Registed Agent	2125 N Kilpatrick Chicago IL 60639

DATE 2/11/13

SUBCONTRACTOR

X Nicolas Ramirez
SIGNATURE

SUBCONTRACTOR'S CERTIFICATION CONCERNING LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS

(Section 6)

To Contractor:

Date: 2-20-13
Project Number: GROUP 1 - 2013
Project Name 13-23-022

1. The undersigned, if awarded a contract with D CONSTRUCTION (Contractor) for LANDSCAPING (Nature of Work) in the amount of $ 120,031.60 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 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
ENRIQUE JAIME	PRES	11933 COUNTY LINE RD GARDEN PRAIRIE, IL. 61038

DATE_____

SUBCONTRACTOR

X_____
SIGNATURE Enrique Jaime

SUBCONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS
(Section 6)

To Contractor:

Date: 2-19-2013
Project Number: 13-23-022
Project Name: OCHO - GROUP 1-3 LOCATIONS

1. The undersigned, if awarded a contract with DUNN COMPANY (Contractor)
724 N. MERCER ST DECATUR, IL 62522 for STABILIZATION (Nature of Work)
WORK in the amount of $ 418,399.56 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 WHEN NEEDED PER CONTRACT (Date)

4. He certifies that:

   (a) The legal name and the business address of the undersigned are: DUNN COMPANY, A DIVISION OF TYROLT, INC. 724 N. Mercer St. Decatur, IL 62522

   (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
DAVID W. TYROLT	PRESIDENT	724 N. Mercer Street Decatur, IL 62522
ROBERT E. DUNN	VICE PRESIDENT	
DAVID M. PECK	TREASURER	

DATE 2-19-13

SUBCONTRACTOR
X
SIGNATURE
ROBERT E. DUNN, VICE PRESIDENT

02/19/2013 16:47 2174297917 DUNN CO PAGE 01/01

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: D. Construction, Inc.

BUSINESS ADDRESS: 1488 S. Broadway
Coal City, IL 60416

BUSINESS TELEPHONE: (815)634-2555 FAX NUMBER: (815) 634-8748

CONTACT PERSON: Tami Hansen

FEIN: 36-3170008 *IL CORPORATE FILE NUMBER: D5268-839-6

LIST THE FOLLOWING CORPORATE OFFICERS:

PRESIDENT: Kenneth Sandero VICE PRESIDENT: Todd Sandero

SECRETARY: Tamara L. Hansen TREASURER: Tamara L. Hansen

**SIGNATURE OF PRESIDENT:

ATTEST: Tamara L. Hansen (CORPORATE SECRETARY)

Subscribed and sworn to before me this

20th day of February, 2013.

X Lori A. Pierard
Notary Public Signature

My commission expires: 11/17/14

OFFICIAL SEAL
LORI A PIERARD
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:11/17/14
Notary Seal

* **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:

Not Required
PRESIDENT, COOK COUNTY BOARD OF COMMISSIONERS

CHIEF PROCUREMENT OFFICER

DATED AT CHICAGO, ILLINOIS THIS 24 DAY OF April 20 13.

IN THE CASE OF A BID, THE COUNTY HEREBY ACCEPTS:

THE FOREGOING BID AS IDENTIFIED IN THE CONTRACT DOCUMENTS FOR CONTRACT NUMBER

13-23-022

OR

ITEM(S), SECTION(S), PART(S): _____

TOTAL AMOUNT OF CONTRACT: $ 1,959,054.70
(DOLLARS AND CENTS)

FUND CHARGEABLE: _____

APPROVED AS TO FORM:

ASSISTANT STATE'S ATTORNEY

APPROVED BY BOARD OF
COOK COUNTY COMMISSIONERS

APR 17 2013

COM

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: Liberty Mutual Insurance Company
(SURETY COMPANY)

would execute a Performance/Payment Bond in favor of the County of Cook for the full amount

of the bid/contract: Contract No.: 13-23-022
(NUMBER)

to: D. Construction, Inc.
(BIDDER)

The penalty of this bond is to be $ ---100% of the Bid Amount---
(TOTAL DOLLAR AMOUNT OF CONTRACT)

SURETY

R L McWethy
(SURETY COMPANY'S AUTHORIZED SIGNATURE)

CORPORATE

R.L. McWethy
(ATTORNEY-IN-FACT)

002283 23043
AMB # NAIC

SEAL

STATE OF Illinois

ss.:

COUNTY OF Will

On this 20th day of February 2013, before me personally appeared R.L. McWethy, to me known, who, being by me duly sworn, did depose and say: that he reside(s) at New Lenox, Illinois; that he is/are the Attorney-in-fact of Liberty Mutual Insurance Company, the corporation described in and which executed and annexed instrument; that he know(s) 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 he signed the same name(s) thereto by like order; and that the liabilities of said corporation do not exceed its assets as ascertained in the manner provided by law.

Surety Company Acknowledgment

"OFFICIAL SEAL"
BRANDIE CATLIN
Notary Public, State of Illinois
My Commission Expires 03/31/14

Brandie Catlin

(Notary Public in and for the above County and State)

My commission expires 03/31/14

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND. 4870839

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

LIBERTY MUTUAL INSURANCE COMPANY
BOSTON, MASSACHUSETTS
POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS: That Liberty Mutual Insurance Company (the "Company"), a Massachusetts stock insurance company, pursuant to and by authority of the By-law and Authorization hereinafter set forth, does hereby name, constitute and appoint **KEVIN J. SCANLON, GARY A. EATON, ROB W. KEGLEY JR, R. L. MCWETHY, ROBERT H. WALKER, ALL OF THE CITY OF NEW LENOX, STATE OF ILLINOIS**

, each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations in the penal sum not exceeding **ONE HUNDRED FIFTY MILLION AND 00/100********** DOLLARS ($ 150,000,000.00************) each, and the execution of such undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents, shall be as binding upon the Company as if they had been duly signed by the president and attested by the secretary of the Company in their own proper persons.

That this power is made and executed pursuant to and by authority of the following By-law and Authorization:

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.
Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

By the following instrument the chairman or the president has authorized the officer or other official named therein to appoint attorneys-in-fact:

Pursuant to Article XIII, Section 5 of the By-Laws, David M. Carey, Assistant Secretary of Liberty Mutual Insurance Company, is hereby authorized to appoint such attorneys-in-fact as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

That the By-law and the Authorization set forth above are true copies thereof and are now in full force and effect.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Company and the corporate seal of Liberty Mutual Insurance Company has been affixed thereto in Plymouth Meeting, Pennsylvania this day of 23rd day of September, 2011.

LIBERTY MUTUAL INSURANCE COMPANY

By _____
David M. Carey, Assistant Secretary

COMMONWEALTH OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 23rd day of September, 2011, before me, a Notary Public, personally came David M. Carey, to me known, and acknowledged that he is an Assistant Secretary of Liberty Mutual Insurance Company; that he knows the seal of said corporation; and that he executed the above Power of Attorney and affixed the corporate seal of Liberty Mutual Insurance Company thereto with the authority and at the direction of said corporation.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.

Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires Mar. 28, 2013
Member, Pennsylvania Association of Notaries

By _____
Teresa Pastella, Notary Public

CERTIFICATE

I, the undersigned, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this certificate; and I do further certify that the officer or official who executed the said power of attorney is an Assistant Secretary specially authorized by the chairman or the president to appoint attorneys-in-fact as provided in Article XIII, Section 5 of the By-laws of Liberty Mutual Insurance Company.

This certificate and the above power of attorney may be signed by facsimile or mechanically reproduced signatures under and by authority of the following vote of the board of directors of Liberty Mutual Insurance Company at a meeting duly called and held on the 12th day of March, 1980.

VOTED that the facsimile or mechanically reproduced signature of any assistant secretary of the company, wherever appearing upon a certified copy of any power of attorney issued by the company in connection with surety bonds, 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 20th day of February, 2013.

_____
Gregory W. Davenport, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS
TRUST AGREEMENT

THIS TRUST AGREEMENT is made and entered into by and between the County of Cook, by and through the Department of Transportation and Highways, whose address is 69 West Washington, Suite 2300, Chicago, Illinois, 60602, hereinafter called the COUNTY, and D. Construction, Inc. whose address is 1488 S. Broadway, Coal City, IL 60416, hereinafter called the CONTRACTOR, and First Midwest Bank, a FINANCIAL INSTITUTION or trust company located in Cook County, whose deposits are insured by an agency or instrumentality of the federal government and whose address is 12600 S. Harlem Ave., Palos Heights, IL 60463 hereinafter called the FINANCIAL INSTITUTION.

WITNESSETH:

WHEREAS the COUNTY has awarded to the CONTRACTOR Cook County Contract Number **13-23-022, GROUP 1 – 2013 Central Avenue (135th Street to 127th Street, Section 12-W3913-04-RS); Central Avenue (Over Tinley Creek, Section 12-W3913-03-BR); 151st Street (@ Jack Hille Middle School, Section 12-B5626-02-TL); and 104th Avenue (South of 167th Street, Section 12-W2508-01-DR)** providing for the construction of a COUNTY highway improvement for a total price of $ 1,959,054.70 dollars; and

WHEREAS under Section 5-409 of the Illinois Highway Code, as amended, the COUNTY is authorized to make progress payments as the CONTRACTOR performs the work under the contract and may retain a percentage of progress payments; and

WHEREAS the COUNTY may, at the request of CONTRACTOR, deposit the retainage under a Trust Agreement with a FINANCIAL INSTITUTION of the CONTRACTOR'S choice which is located in Cook County and has been approved for the deposit of such funds by the Superintendent of the Cook County Department of Transportation and Highways pursuant to Cook County Code Section 34-36; and

WHEREAS by execution of this Agreement, the CONTRACTOR and said FINANCIAL INSTITUTION request that the retainage be deposited with said FINANCIAL INSTITUTION as provided by law.

NOW THEREFORE, the parties do hereby agree that:

1. This Agreement shall not change any of the rights, duties, privileges or responsibilities of the parties to the above-referenced construction contract, except as may be provided herein.
2. Notwithstanding the provisions of this Agreement, the COUNTY may withhold progress payments or any portion thereof on account of lien claims, liquidated damages, or as may otherwise be provided by the above contract or by law.
3. All progress payments, including final payment under the above contract, shall be made by COUNTY warrants payable to the CONTRACTOR and FINANCIAL INSTITUTION, as trustee, jointly, and such payments shall be sent to the FINANCIAL INSTITUTION at the above address.
4. The progress payments shall specify on a copy of the COUNTY'S invoice to be mailed with the warrant the amount thereof to be paid to the CONTRACTOR and the amount to be held by the FINANCIAL INSTITUTION as retainage under this Agreement.

5. The money so held by the FINANCIAL INSTITUTION shall be described as "retainage" and shall be held in trust according to the terms of this Agreement. Interest earned on the retainage may be paid to the CONTRACTOR as it accrues or as the FINANCIAL INSTITUTION'S policy permits.

6. The principal balance of the retainage, or any part thereof, shall not be paid over to the CONTRACTOR except upon written directive to the FINANCIAL INSTITUTION by the COUNTY.

7. The FINANCIAL INSTITUTION may invest or reinvest said retainage in:

a. Certificates of Deposit issued by a financial institution whose principal office is located in Cook County, including this FINANCIAL INSTITUTION;

b. United States Government Bonds;

c. United States Treasury Notes;

d. United States Treasury Bills;

e. Time Deposit on Open Account.

Provided, however, that the investment of said retainage shall not relieve the FINANCIAL INSTITUTION from the return or repayment of such funds within ninety (90) days as provided in this Agreement.

8. Retainage is the property of the COUNTY until notice of final payment, and the principal amount, or any part thereof, shall not be pledged or used as security for any purpose.

9. The COUNTY shall be the sole judge of return or repayment of the funds to the Cook County Treasurer. Upon written demand made by the COUNTY to the FINANCIAL INSTITUTION for the return or repayment of the retainage, the FINANCIAL INSTITUTION shall make such return or repayment regardless of whether the COUNTY shall state any reason therefor and without imposition of any other requirements or conditions.

10. The repayment or return of retainage to the COUNTY shall be by check from the FINANCIAL INSTITUTION payable to the Treasurer of Cook County and shall be mailed to the COUNTY within ninety (90) days after the COUNTY'S demand.

11. The CONTRACTOR does not waive or release any rights he has against the COUNTY for breach of contract, including this Agreement, by reason of the repayment by the FINANCIAL INSTITUTION to the COUNTY on account of demand made by the COUNTY.

12. In the event demand for the retainage is made under this Agreement by the COUNTY, the COUNTY may specify, in its sole judgment, the amount to be repaid or returned as all or part of the principal balance of the retainage. This Agreement shall continue as to any retainage not returned to the COUNTY and any future payments by the COUNTY to the CONTRACTOR.

13. Upon return or repayment of the full principal balance of the retainage to the COUNTY, this Agreement shall terminate and have no further force or effect.

14. The COUNTY shall request confirmation of account balances as of June 30 of each year, and the FINANCIAL INSTITUTION shall comply with this request. The FINANCIAL INSTITUTION'S failure to comply with this provision shall be reason to demand return of the retainage pursuant to this Agreement.

15. The COUNTY shall provide notice of final payment to the FINANCIAL INSTITUTION and the CONTRACTOR. When said final payment is made, this Agreement shall be terminated and the retainage or interest thereon shall be paid to the CONTRACTOR by the FINANCIAL INSTITUTION. The COUNTY and the CONTRACTOR agree that the date of mailing such notice of final payment to the FINANCIAL INSTITUTION shall constitute the date of final payment to the CONTRACTOR under the contract. Any provisions of the contract regarding final payment shall be deemed to have been complied with regardless of any delay in the CONTRACTOR'S receiving said final payment or any retainage and interest thereon from the FINANCIAL INSTITUTION.

16. The FINANCIAL INSTITUTION shall look only to the CONTRACTOR to pay any costs or fees for either its services or expenses hereunder and no deduction shall be made therefor for any retainage or interest thereon except such deduction that may be made after final payment has been made.

17. Failure of the FINANCIAL INSTITUTION to comply with any of the terms of this Agreement shall be cause for the COUNTY to refuse approval of the FINANCIAL INSTITUTION as a party to any future Trust Agreements.

IN WITNESS WHEREOF the parties to this Trust Agreement have hereunder signed and executed this Trust Agreement this _____ day of _____, 20__.
(To be dated by the COUNTY.)

CONTRACTOR

D. Construction, Inc.
Company Name

By: _____
Printed Name: Kenneth Sandero
Title: President

ATTEST: _____
Printed Name: Tamara L. Hansen
Title: Sec/Treas.

CONTRACTOR (IF JOINT VENTURE)

_____
Company Name

By: _____
Printed Name: _____
Title: _____

ATTEST: _____
Printed Name: _____
Title: _____

CONTRACTOR (IF JOINT VENTURE)

_____
Company Name

By: _____
Printed Name: _____
Title: _____

ATTEST: _____
Printed Name: _____
Title: _____

CONTRACTOR (IF JOINT VENTURE)

_____
Company Name

By: _____
Printed Name: _____
Title: _____

ATTEST: _____
Printed Name: _____
Title: _____

FINANCIAL INSTITUTION

First Midwest Bank

By: _____
Printed Name: Thomas J. Tessoni
Title: President, Rural Banking Central

ATTEST: _____
Printed Name: Charissa M. Dehler
Title: Vice President

COOK COUNTY
DEPARTMENT OF TRANSPORTATION AND HIGHWAYS

By: _____
Superintendent

ATTEST: _____
David Orr
Clerk of Cook County

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Performance Bond – BOND #268003527

CONTRACTOR:
(Name, legal status and address)

D. Construction, Inc.
1488 S. Broadway
Coal City, IL 60416

SURETY:
(Name, legal status and principal place of business)
Liberty Mutual Insurance Company
175 Berkeley Street
Boston, MA 02116

OWNER:
(Name, legal status and address)
Cook County Department of Transportation and Highways
69 W. Washington
Chicago, IL 60602-1369

CONSTRUCTION CONTRACT
Date:
Amount: $ 1,959,054.70
Description:
(Name and location)
Group 1-2013, Contract No.: 13-23-022, Central Avenue, 135th St. to 127th St; Central Avenue Over Tinley Creek; 151st St. @ Jack Hille Middle School; 104th Avenue South of 167th Street

BOND
Date: March 12, 2013
(Not earlier than Construction Contract Date)

Amount: $ 1,959,054.70
Modifications to this Bond: [X] None [ ] See Section 16

CONTRACTOR AS PRINCIPAL		**SURETY**	
Company:	*(Corporate Seal)*	Company:	*(Corporate Seal)*
Signature:		Signature:	R.L. McWethy
Name and Title:	Kenneth Sanders President	Name and Title:	R.L. McWethy, Attorney-in-fact

(Any additional signatures appear on the last page of this Performance Bond.)

(FOR INFORMATION ONLY — Name, address and telephone)

AGENT or BROKER:

Lee McWethy/Columbian Agency
1005 W Laraway Rd/New Lenox,
IL 60451 – 815-485-4100

OWNER'S REPRESENTATIVE:
(Architect, Engineer or other party:)

ADDITIONS AND DELETIONS:
The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added necessary information and where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

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Init.

§ 1 The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to the Owner for the performance of the Construction Contract, which is incorporated herein by reference.

§ 2 If the Contractor performs the Construction Contract, the Surety and the Contractor shall have no obligation under this Bond, except when applicable to participate in a conference as provided in Section 3.

§ 3 If there is no Owner Default under the Construction Contract, the Surety's obligation under this Bond shall arise after

.1 the Owner first provides notice to the Contractor and the Surety that the Owner is considering declaring a Contractor Default. Such notice shall indicate whether the Owner is requesting a conference among the Owner, Contractor and Surety to discuss the Contractor's performance. If the Owner does not request a conference, the Surety may, within five (5) business days after receipt of the Owner's notice, request such a conference. If the Surety timely requests a conference, the Owner shall attend. Unless the Owner agrees otherwise, any conference requested under this Section 3.1 shall be held within ten (10) business days of the Surety's receipt of the Owner's notice. If the Owner, the Contractor and the Surety agree, the Contractor shall be allowed a reasonable time to perform the Construction Contract, but such an agreement shall not waive the Owner's right, if any, subsequently to declare a Contractor Default;

.2 the Owner declares a Contractor Default, terminates the Construction Contract and notifies the Surety; and

.3 the Owner has agreed to pay the Balance of the Contract Price in accordance with the terms of the Construction Contract to the Surety or to a contractor selected to perform the Construction Contract.

§ 4 Failure on the part of the Owner to comply with the notice requirement in Section 3.1 shall not constitute a failure to comply with a condition precedent to the Surety's obligations, or release the Surety from its obligations, except to the extent the Surety demonstrates actual prejudice.

§ 5 When the Owner has satisfied the conditions of Section 3, the Surety shall promptly and at the Surety's expense take one of the following actions:

§ 5.1 Arrange for the Contractor, with the consent of the Owner, to perform and complete the Construction Contract;

§ 5.2 Undertake to perform and complete the Construction Contract itself, through its agents or independent contractors;

§ 5.3 Obtain bids or negotiated proposals from qualified contractors acceptable to the Owner for a contract for performance and completion of the Construction Contract, arrange for a contract to be prepared for execution by the Owner and a contractor selected with the Owner's concurrence, to be secured with performance and payment bonds executed by a qualified surety equivalent to the bonds issued on the Construction Contract, and pay to the Owner the amount of damages as described in Section 7 in excess of the Balance of the Contract Price incurred by the Owner as a result of the Contractor Default; or

§ 5.4 Waive its right to perform and complete, arrange for completion, or obtain a new contractor and with reasonable promptness under the circumstances:

.1 After investigation, determine the amount for which it may be liable to the Owner and, as soon as practicable after the amount is determined, make payment to the Owner; or

.2 Deny liability in whole or in part and notify the Owner, citing the reasons for denial.

§ 6 If the Surety does not proceed as provided in Section 5 with reasonable promptness, the Surety shall be deemed to be in default on this Bond seven days after receipt of an additional written notice from the Owner to the Surety demanding that the Surety perform its obligations under this Bond, and the Owner shall be entitled to enforce any remedy available to the Owner. If the Surety proceeds as provided in Section 5.4, and the Owner refuses the payment or the Surety has denied liability, in whole or in part, without further notice the Owner shall be entitled to enforce any remedy available to the Owner.

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§ 7 If the Surety elects to act under Section 5.1, 5.2 or 5.3, then the responsibilities of the Surety to the Owner shall not be greater than those of the Contractor under the Construction Contract, and the responsibilities of the Owner to the Surety shall not be greater than those of the Owner under the Construction Contract. Subject to the commitment by the Owner to pay the Balance of the Contract Price, the Surety is obligated, without duplication, for

.1 the responsibilities of the Contractor for correction of defective work and completion of the Construction Contract;

.2 additional legal, design professional and delay costs resulting from the Contractor's Default, and resulting from the actions or failure to act of the Surety under Section 5; and

.3 liquidated damages, or if no liquidated damages are specified in the Construction Contract, actual damages caused by delayed performance or non-performance of the Contractor.

§ 8 If the Surety elects to act under Section 5.1, 5.3 or 5.4, the Surety's liability is limited to the amount of this Bond.

§ 9 The Surety shall not be liable to the Owner or others for obligations of the Contractor that are unrelated to the Construction Contract, and the Balance of the Contract Price shall not be reduced or set off on account of any such unrelated obligations. No right of action shall accrue on this Bond to any person or entity other than the Owner or its heirs, executors, administrators, successors and assigns.

§ 10 The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders and other obligations.

§ 11 Any proceeding, legal or equitable, under this Bond may be instituted in any court of competent jurisdiction in the location in which the work or part of the work is located and shall be instituted within two years after a declaration of Contractor Default or within two years after the Contractor ceased working or within two years after the Surety refuses or fails to perform its obligations under this Bond, whichever occurs first. If the provisions of this Paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

§ 12 Notice to the Surety, the Owner or the Contractor shall be mailed or delivered to the address shown on the page on which their signature appears.

§ 13 When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

§ 14 Definitions

§ 14.1 Balance of the Contract Price. The total amount payable by the Owner to the Contractor under the Construction Contract after all proper adjustments have been made, including allowance to the Contractor of any amounts received or to be received by the Owner in settlement of insurance or other claims for damages to which the Contractor is entitled, reduced by all valid and proper payments made to or on behalf of the Contractor under the Construction Contract.

§ 14.2 Construction Contract. The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and changes made to the agreement and the Contract Documents.

§ 14.3 Contractor Default. Failure of the Contractor, which has not been remedied or waived, to perform or otherwise to comply with a material term of the Construction Contract.

§ 14.4 Owner Default. Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other material terms of the Construction Contract.

§ 14.5 Contract Documents. All the documents that comprise the agreement between the Owner and Contractor.

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§ 15 If this Bond is issued for an agreement between a Contractor and subcontractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

§ 16 Modifications to this bond are as follows:

(Space is provided below for additional signatures of added parties, other than those appearing on the cover page.)

CONTRACTOR AS PRINCIPAL		**SURETY**	
Company:	*(Corporate Seal)*	Company:	*(Corporate Seal)*
Signature:		Signature:	
Name and Title:		Name and Title:	
Address:		Address:	

Init.

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User Notes:
(792020015)

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Payment Bond – BOND #268003527

CONTRACTOR:
(Name, legal status and address)

D. Construction, Inc.
1488 S. Broadway
Coal City, IL 60416

SURETY:
(Name, legal status and principal place of business)
Liberty Mutual Insurance Company
175 Berkeley Street
Boston, MA 02116

OWNER:
(Name, legal status and address)
Cook County Department of Transportation and Highways
69 W. Washington
Chicago, IL 60602-1369

CONSTRUCTION CONTRACT
Date:
Amount: $ 1,959,054.70
Description:
(Name and location)
Group 1-2013, Contract No.: 13-23-022, Central Avenue, 135th St. to 127th St; Central Avenue Over Tinley Creek; 151st St. @ Jack Hille Middle School; 104th Avenue South of 167th Street

BOND
Date: March 12, 2013
(Not earlier than Construction Contract Date)

Amount: $ 1,959,054.70
Modifications to this Bond: [X] None [ ] See Section 18

CONTRACTOR AS PRINCIPAL		SURETY	
Company:	*(Corporate Seal)*	Company:	*(Corporate Seal)*
Signature:		Signature:	R L McWethy
Name and Title:	Kenneth Santeno, President	Name and Title:	R.L. McWethy, Attorney-in-fact

(Any additional signatures appear on the last page of this Payment Bond.)

(FOR INFORMATION ONLY — Name, address and telephone)

AGENT or **BROKER:**
Lee McWethy/Columbian Agency
1005 W Laraway Rd/New Lenox,
IL 60451 – 815-485-4100

OWNER'S REPRESENTATIVE:
(Architect, Engineer or other party:)

ADDITIONS AND DELETIONS:
The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added necessary information and where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

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User Notes: (793397865)

§ 1 The Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to the Owner to pay for labor, materials and equipment furnished for use in the performance of the Construction Contract, which is incorporated herein by reference, subject to the following terms.

§ 2 If the Contractor promptly makes payment of all sums due to Claimants, and defends, indemnifies and holds harmless the Owner from claims, demands, liens or suits by any person or entity seeking payment for labor, materials or equipment furnished for use in the performance of the Construction Contract, then the Surety and the Contractor shall have no obligation under this Bond.

§ 3 If there is no Owner Default under the Construction Contract, the Surety's obligation to the Owner under this Bond shall arise after the Owner has promptly notified the Contractor and the Surety (at the address described in Section 13) of claims, demands, liens or suits against the Owner or the Owner's property by any person or entity seeking payment for labor, materials or equipment furnished for use in the performance of the Construction Contract and tendered defense of such claims, demands, liens or suits to the Contractor and the Surety.

§ 4 When the Owner has satisfied the conditions in Section 3, the Surety shall promptly and at the Surety's expense defend, indemnify and hold harmless the Owner against a duly tendered claim, demand, lien or suit.

§ 5 The Surety's obligations to a Claimant under this Bond shall arise after the following:

§ 5.1 Claimants, who do not have a direct contract with the Contractor,

.1 have furnished a written notice of non-payment to the Contractor, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were, or equipment was, furnished or supplied or for whom the labor was done or performed, within ninety (90) days after having last performed labor or last furnished materials or equipment included in the Claim; and

.2 have sent a Claim to the Surety (at the address described in Section 13).

§ 5.2 Claimants, who are employed by or have a direct contract with the Contractor, have sent a Claim to the Surety (at the address described in Section 13).

§ 6 If a notice of non-payment required by Section 5.1.1 is given by the Owner to the Contractor, that is sufficient to satisfy a Claimant's obligation to furnish a written notice of non-payment under Section 5.1.1.

§ 7 When a Claimant has satisfied the conditions of Sections 5.1 or 5.2, whichever is applicable, the Surety shall promptly and at the Surety's expense take the following actions:

§ 7.1 Send an answer to the Claimant, with a copy to the Owner, within sixty (60) days after receipt of the Claim, stating the amounts that are undisputed and the basis for challenging any amounts that are disputed; and

§ 7.2 Pay or arrange for payment of any undisputed amounts.

§ 7.3 The Surety's failure to discharge its obligations under Section 7.1 or Section 7.2 shall not be deemed to constitute a waiver of defenses the Surety or Contractor may have or acquire as to a Claim, except as to undisputed amounts for which the Surety and Claimant have reached agreement. If, however, the Surety fails to discharge its obligations under Section 7.1 or Section 7.2, the Surety shall indemnify the Claimant for the reasonable attorney's fees the Claimant incurs thereafter to recover any sums found to be due and owing to the Claimant.

§ 8 The Surety's total obligation shall not exceed the amount of this Bond, plus the amount of reasonable attorney's fees provided under Section 7.3, and the amount of this Bond shall be credited for any payments made in good faith by the Surety.

§ 9 Amounts owed by the Owner to the Contractor under the Construction Contract shall be used for the performance of the Construction Contract and to satisfy claims, if any, under any construction performance bond. By the Contractor furnishing and the Owner accepting this Bond, they agree that all funds earned by the Contractor in the performance of the Construction Contract are dedicated to satisfy obligations of the Contractor and Surety under this Bond, subject to the Owner's priority to use the funds for the completion of the work.

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User Notes: (793397865)

§ 10 The Surety shall not be liable to the Owner, Claimants or others for obligations of the Contractor that are unrelated to the Construction Contract. The Owner shall not be liable for the payment of any costs or expenses of any Claimant under this Bond, and shall have under this Bond no obligation to make payments to, or give notice on behalf of, Claimants or otherwise have any obligations to Claimants under this Bond.

§ 11 The Surety hereby waives notice of any change, including changes of time, to the Construction Contract or to related subcontracts, purchase orders and other obligations.

§ 12 No suit or action shall be commenced by a Claimant under this Bond other than in a court of competent jurisdiction in the state in which the project that is the subject of the Construction Contract is located or after the expiration of one year from the date (1) on which the Claimant sent a Claim to the Surety pursuant to Section 5.1.2 or 5.2, or (2) on which the last labor or service was performed by anyone or the last materials or equipment were furnished by anyone under the Construction Contract, whichever of (1) or (2) first occurs. If the provisions of this Paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

§ 13 Notice and Claims to the Surety, the Owner or the Contractor shall be mailed or delivered to the address shown on the page on which their signature appears. Actual receipt of notice or Claims, however accomplished, shall be sufficient compliance as of the date received.

§ 14 When this Bond has been furnished to comply with a statutory or other legal requirement in the location where the construction was to be performed, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

§ 15 Upon request by any person or entity appearing to be a potential beneficiary of this Bond, the Contractor and Owner shall promptly furnish a copy of this Bond or shall permit a copy to be made.

§ 16 Definitions

§ 16.1 Claim. A written statement by the Claimant including at a minimum:

.1 the name of the Claimant;
.2 the name of the person for whom the labor was done, or materials or equipment furnished;
.3 a copy of the agreement or purchase order pursuant to which labor, materials or equipment was furnished for use in the performance of the Construction Contract;
.4 a brief description of the labor, materials or equipment furnished;
.5 the date on which the Claimant last performed labor or last furnished materials or equipment for use in the performance of the Construction Contract;
.6 the total amount earned by the Claimant for labor, materials or equipment furnished as of the date of the Claim;
.7 the total amount of previous payments received by the Claimant; and
.8 the total amount due and unpaid to the Claimant for labor, materials or equipment furnished as of the date of the Claim.

§ 16.2 Claimant. An individual or entity having a direct contract with the Contractor or with a subcontractor of the Contractor to furnish labor, materials or equipment for use in the performance of the Construction Contract. The term Claimant also includes any individual or entity that has rightfully asserted a claim under an applicable mechanic's lien or similar statute against the real property upon which the Project is located. The intent of this Bond shall be to include without limitation in the terms "labor, materials or equipment" that part of water, gas, power, light, heat, oil, gasoline, telephone service or rental equipment used in the Construction Contract, architectural and engineering services required for performance of the work of the Contractor and the Contractor's subcontractors, and all other items for which a mechanic's lien may be asserted in the jurisdiction where the labor, materials or equipment were furnished.

§ 16.3 Construction Contract. The agreement between the Owner and Contractor identified on the cover page, including all Contract Documents and all changes made to the agreement and the Contract Documents.

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§ 16.4 Owner Default. Failure of the Owner, which has not been remedied or waived, to pay the Contractor as required under the Construction Contract or to perform and complete or comply with the other material terms of the Construction Contract.

§ 16.5 Contract Documents. All the documents that comprise the agreement between the Owner and Contractor.

§ 17 If this Bond is issued for an agreement between a Contractor and subcontractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

§ 18 Modifications to this bond are as follows:

(Space is provided below for additional signatures of added parties, other than those appearing on the cover page.)

CONTRACTOR AS PRINCIPAL		**SURETY**	
Company:	*(Corporate Seal)*	Company:	*(Corporate Seal)*
Signature:		Signature:	
Name and Title:		Name and Title:	
Address:		Address:	

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User Notes: (793397865)

STATE OF Illinois

ss.:

COUNTY OF WILL

On this 12th day of March 2013, before me personally appeared R.L. McWethy, to me known, who, being by me duly sworn, did depose and say: that he reside(s) at New Lenox, Illinois; that he is/are the Attorney-in-fact of Liberty Mutual Insurance Company, the corporation described in and which executed and annexed instrument; that he know(s) 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 he signed the same name(s) thereto by like order; and that the liabilities of said corporation do not exceed its assets as ascertained in the manner provided by law.

Surety Company Acknowledgment

"OFFICIAL SEAL"
SHERRY BACSKAI
Notary Public, State of Illinois
My Commission Expires 10/22/2015

(Notary Public in and for the above County and State)

Bond-3768-A

My commission expires 10/22/2015

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND. 4870903

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

LIBERTY MUTUAL INSURANCE COMPANY
BOSTON, MASSACHUSETTS
POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS: That Liberty Mutual Insurance Company (the "Company"), a Massachusetts stock insurance company, pursuant to and by authority of the By-law and Authorization hereinafter set forth, does hereby name, constitute and appoint **KEVIN J. SCANLON, GARY A. EATON, ROB W. KEGLEY JR, R. L. MCWETHY, ROBERT H. WALKER, ALL OF THE CITY OF NEW LENOX, STATE OF ILLINOIS**

, each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations in the penal sum not exceeding **ONE HUNDRED FIFTY MILLION AND 00/100********** DOLLARS ($ 150,000,000.00**********) each, and the execution of such undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents, shall be as binding upon the Company as if they had been duly signed by the president and attested by the secretary of the Company in their own proper persons.

That this power is made and executed pursuant to and by authority of the following By-law and Authorization:

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.
Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

By the following instrument the chairman or the president has authorized the officer or other official named therein to appoint attorneys-in-fact:

Pursuant to Article XIII, Section 5 of the By-Laws, David M. Carey, Assistant Secretary of Liberty Mutual Insurance Company, is hereby authorized to appoint such attorneys-in-fact as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

That the By-law and the Authorization set forth above are true copies thereof and are now in full force and effect.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Company and the corporate seal of Liberty Mutual Insurance Company has been affixed thereto in Plymouth Meeting, Pennsylvania this day of 23rd day of September, 2011.

LIBERTY MUTUAL INSURANCE COMPANY

By _____
David M. Carey, Assistant Secretary

COMMONWEALTH OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 23rd day of September, 2011, before me, a Notary Public, personally came David M. Carey, to me known, and acknowledged that he is an Assistant Secretary of Liberty Mutual Insurance Company; that he knows the seal of said corporation; and that he executed the above Power of Attorney and affixed the corporate seal of Liberty Mutual Insurance Company thereto with the authority and at the direction of said corporation.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.

Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires Mar. 28, 2013
Member, Pennsylvania Association of Notaries

By _____
Teresa Pastella, Notary Public

CERTIFICATE

I, the undersigned, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this certificate; and I do further certify that the officer or official who executed the said power of attorney is an Assistant Secretary specially authorized by the chairman or the president to appoint attorneys-in-fact as provided in Article XIII, Section 5 of the By-laws of Liberty Mutual Insurance Company.

This certificate and the above power of attorney may be signed by facsimile or mechanically reproduced signatures under and by authority of the following vote of the board of directors of Liberty Mutual Insurance Company at a meeting duly called and held on the 12th day of March, 1980.

VOTED that the facsimile or mechanically reproduced signature of any assistant secretary of the company, wherever appearing upon a certified copy of any power of attorney issued by the company in connection with surety bonds, 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 12th day of March, 2013.

_____
Gregory W. Davenport, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

CONTRACT
(SECTION 10)

This AGREEMENT made and entered into this ____ day of _____A.D., 20____by and between the County of Cook, party of the first part and hereinafter called County, and _____, 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 Cook County Contract # **13-23-022**, **GROUP 1 – 2013** – (Central Avenue – 135th Street to 127th Street, Section: 12-W3913-04-RS, Route W39; 151st Street @ Jack Hille Middle School, Section: 12-B5626-02-TL, Route B56; 104th Avenue - South of 167th Street, Section 12-W2508-01-DR, Route W25; Central Avenue – Over Tinley Creek, Section: 12-W3913-03-BR, Route W39); In the Township of Bremen, Orland and Worth; County of Cook, and State of Illinois, 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 Superintendent of Department of Transportation and Highway of Cook County, Illinois, and under the direction and to the satisfaction of the said Superintendent of Department of Transportation and Highway.

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 Superintendent of Department of Transportation and Highway 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 Superintendent of Cook County Department of Transportation of Highway 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 for Central Avenue (135th Street to 127th Street), Central Avenue (Over Tinley Creek), and 104th Avenue (South of 167th Street) in full compliance with the contract on or before **September 6, 2013.** The undersigned agrees to start construction operations on the date so specified and to complete the proposed improvement for 151st Street (@ Jack Hille Middle School) in full compliance with the contract on or before **August 9, 2013.**

The Superintendent of Cook County Department of Transportation and Highway 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 Superintendent of Department of Transportation and Highway 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 Superintendent of Department of Transportation and Highway to protect said County in its payments, and any such statement shall not be binding upon said Superintendent of Department of Transportation and Highway.

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 Superintendent of Department of Transportation and Highway, (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 Superintendent of Department of Transportation and Highway, 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 Superintendent of Department of Transportation and Highway, 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 Superintendent of Department of Transportation and Highway 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.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 3/12/2013

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 Columbian Agency 1005 Laraway Road New Lenox IL 60451	**CONTACT NAME:** Jo-Ann E. Billo, CRIS **PHONE (A/C, No, Ext):** 815-215-4712 **FAX (A/C, No):** 815-215-4752 **E-MAIL ADDRESS:** jbillo@columbianagency.com
INSURED DCONS-1 D Construction, Inc. 1488 S. Broadway Coal City IL 60416	**INSURER(S) AFFORDING COVERAGE** — **NAIC #** INSURER A: Liberty Mutual — 23035 INSURER B: Houston Casualty Company INSURER C: Navigators Insurance Company INSURER D: Travelers Property Casualty — 25674 INSURER E: INSURER F:

COVERAGES **CERTIFICATE NUMBER:** 1090380287 **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 X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY [X] PRO-JECT LOC	Y		TB2641440232032	4/5/2012	4/5/2013	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$1,000,000 $100,000 $5,000 $1,000,000 $2,000,000 $2,000,000 $
A	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS X HIRED AUTOS X NON-OWNED AUTOS			AS2641440232022	4/5/2012	4/5/2013	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$1,000,000 $ $ $ $
B	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED RETENTION $			H12XC5011000	4/5/2012	4/5/2013	EACH OCCURRENCE AGGREGATE	$5,000,000 $5,000,000 $
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N [N] If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		WA264D440232012	4/5/2012	4/5/2013	X WC STATU-TORY LIMITS OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $1,000,000 $1,000,000 $1,000,000
C D	Excess Umbrella Leased/Rented			HO12EXC7511691V QT6608242B035	4/5/2012 4/5/2012	4/5/2013 4/5/2013	Limit Max/Item	20,000,000 750,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Group 1 - 2013 Contract: 13-23-022
IT IS AGREED THAT THE COOK COUNTY HIGHWAY DEPARTMENT IS INCLUDED AS AN ADDITIONAL INSURED ON A PRIMARY & NON-CONTRIBUTORY BASIS IF REQUIRED BY WRITTEN CONTRACT ON THE ABOVE-NOTED GENERAL LIABILITY POLICY.

CERTIFICATE HOLDER OKTW

COOK COUNTY
118 N CLARK STREET
CHICAGO IL 60602

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
RL McWethy

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MID–CONTINENT CASUALTY COMPANY

P. O. Box 1409 Tulsa, Oklahoma 74101

COMMERCIAL GENERAL LIABILITY POLICY

DECLARATION

Policy No.	04–OCP–000006238

Named Insured and Mailing Address	Agent Name and Mailing Address
COOK COUNTY 118 N CLARK STREET CHICAGO IL 60602	123OCP.COM 37–5502 555 CROTON ROAD, SUITE 206 KING OF PRUSSIA PA 19406

POLICY PERIOD: FROM 03/12/2013 TO 03/12/2014 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	$ 2,116.00
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART	$
RAILROAD PROTECTIVE LIABILITY COVERAGE PART	$
SURCHARGE / TAXES (if applicable)	$
TOTAL	$ 2,116.00

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)	MI9078(05/12)	MI9071(11/08)	MI9046(06/10)
IL0162(09/08)	IL0147(09/11)	IL0021(09/08)	CG3370(03/05)	CG2905(07/05)	CG0009(12/07)

*Omits applicable Forms and Endorsements if shown in specific Coverage Part/Coverage Form Declarations.

Countersigned at: KING OF PRUSSIA PA

Date: 03/19/2013

By _____

Authorized Representative

OKTOD

INSURED COPY

OWNERS AND CONTRACTORS PROTECTIVE LIABILITY COVERAGE PART
DECLARATION

Policy No. 04-OCP-000006238 **Effective Date:** 03/12/2013 ** 12:01 A.M., Standard Time

DESIGNATION OF CONTRACTOR

Designation of Contractor and Mailing Address
D. CONSTRUCTION, INC.
1488 S. BROADWAY
COAL CITY, IL 60416

LOCATION OF COVERED OPERATIONS

REMOVE & REPLACE PAVEMENT, CURB, GUTTERS, DRIVEWAY APRON
CENTRAL, 151ST & 104TH, TINELY PARK, IL
CONTRACT # 13-23-022

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 $1,000 of Cost	Advance Premium
ILLINOIS				
Construction Operations – Owner (Not Railroads) – Excluding Operations On Board Ships	**16292**	**C) 1,959,055**	**.948**	**1,857.**
Minimum Premium	**Balance to Equal Minimum Premium**			**$ 259.**
All Other	**$ 2116**			
Policywriting	**$2116**	Total Advance Premium		**$ 2,116.**

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.

ML 15 10 (04 97)

CONTRACTOR: D. Construction, Inc.

GROUP 1-2013: 104TH AVE, S OF 167TH ST., SEC.: 12-W2508-01-DR;
151ST ST AT JACK HILLE MIDDLE SCHOOL, SEC.: 12-B5626-02-TL; and CENTRAL AVE,
135TH ST TO 127TH ST, SEC.: 12-W3913-04-RS

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
1	220	CU.YD.	BORROW EXCAVATION	$ 20.00	$ 4,400.00
2	1,185	CU.YD.	EARTH EXCAVATION	$ 17.00	$ 20,145.00
3	300	FOOT	GRADING AND SHAPING DITCHES	$ 10.00	$ 3,000.00
4	136	POUND	NITROGEN FERTILIZER NUTRIENT	$ 2.10	$ 285.60
5	136	POUND	PHOSPHORUS FERTILIZER NUTRIENT	$ 2.10	$ 285.60
6	136	POUND	POTASSIUM FERTILIZER NUTRIENT	$ 2.10	$ 285.60
7	0.2	ACRE	SEEDING, CLASS 7	$ 5,000.00	$ 1,000.00
8	6,311	SQ.YD.	SODDING	$ 6.00	$ 37,866.00
9	3,086	SQ.YD.	SODDING, SALT TOLERANT	$ 6.50	$ 20,059.00
10	93.2	UNIT	SUPPLEMENTAL WATERING	$ 55.00	$ 5,126.00
11	10,317	SQ.YD.	TOPSOIL FURNISH AND PLACE, 4 IN	$ 3.80	$ 39,204.60
12	20	UNIT	TREE REMOVAL (6 TO 15 UNITS DIA)	$ 60.00	$ 1,200.00
13	2,040	SQ.YD.	EROSION CONTROL BLANKET	$ 4.20	$ 8,568.00
14	100	SQ.YD.	FILTER FABRIC	$ 5.00	$ 500.00
15	14	EACH	INLET AND PIPE PROTECTION	$ 210.00	$ 2,940.00
16	16	EACH	INLET FILTERS	$ 160.00	$ 2,560.00
17	200	FOOT	PERIMETER EROSION BARRIER	$ 5.25	$ 1,050.00
18	25	SQ.YD.	STONE RIPRAP, CLASS A4	$ 78.00	$ 1,950.00
19	47	TON	AGGREGATE (PRIME COAT)	$ 35.00	$ 1,645.00
20	274	SQ.YD.	AGGREGATE BASE COURSE, TYPE B, 10 IN	$ 16.25	$ 4,452.50
21	799	SQ.YD.	AGGREGATE BASE COURSE, TYPE B, 4 IN	$ 7.00	$ 5,593.00
22	1,006	SQ.YD.	AGGREGATE BASE COURSE, TYPE B, 8 IN	$ 10.50	$ 10,563.00
23	1	L.SUM	CRUSHED STONE (TEMPORARY USE)	$ 1,850.00	$ 1,850.00
24	118,000	GAL.	BITUMINOUS MATERIALS (COLD IN-PLACE RECYCLING)	$ 2.70	$ 318,600.00
25	660	GAL.	BITUMINOUS MATERIALS (PRIME COAT)	$ 2.25	$ 1,485.00
26	21,004	SQ.YD.	COLD RECYCLED IN-PLACE BITUMINOUS BASE COURSE, 8 IN	$ 4.75	$ 99,769.00
27	2	EACH	CONSTRUCTING TEST STRIP	$ 1,200.00	$ 2,400.00
28	3,326	FOOT	CUTTING HOT-MIX ASPHALT SURFACE	$ 1.65	$ 5,487.90

CONTRACTOR: D. Construction, Inc.

GROUP 1-2013: 104TH AVE, S OF 167TH ST., SEC.: 12-W2508-01-DR;
151ST ST AT JACK HILLE MIDDLE SCHOOL, SEC.: 12-B5626-02-TL; and CENTRAL AVE,
135TH ST TO 127TH ST, SEC.: 12-W3913-04-RS

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
29	3,052	TON	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	$ 56.50	$ 172,438.00
30	1,620	SQ.YD.	HOT-MIX ASPHALT DRIVEWAY SURFACE REMOVAL	$ 8.00	$ 12,960.00
31	34	SQ.YD.	HOT-MIX ASPHALT SHOULDERS, 6 IN	$ 51.25	$ 1,742.50
32	2,541	TON	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-12.5 OR 9.5, N70	$ 66.50	$ 168,976.50
33	178	SQ.YD.	HOT-MIX ASPHALT SURFACE REMOVAL, 2 IN	$ 10.00	$ 1,780.00
34	23,214	SQ.YD.	HOT-MIX ASPHALT SURFACE REMOVAL, 4 IN	$ 2.35	$ 54,552.90
35	975	TON	LEVELING BINDER (MACHINE METHOD) IL-9.5, N50	$ 58.50	$ 57,037.50
36	594	FOOT	TEMPORARY BUTT JOINTS	$ 5.00	$ 2,970.00
37	6,018	SQ.FT.	PORTLAND CEMENT CONCRETE SIDEWALK, 5 IN	$ 4.75	$ 28,585.50
38	1,155	SQ.FT.	PORTLAND CEMENT CONCRETE SIDEWALK, 8 IN	$ 6.50	$ 7,507.50
39	45	FOOT	COMBINATION CURB AND GUTTER REMOVAL	$ 9.00	$ 405.00
40	450	SQ.FT.	SIDEWALK REMOVAL	$ 1.75	$ 787.50
41	303	SQ.YD.	PAVEMENT REPLACEMENT	$ 52.00	$ 15,756.00
42	100	SQ.FT.	SIDEWALK REMOVAL AND REPLACEMENT	$ 6.25	$ 625.00
43	2,009	FOOT	CRACK ROUTING AND SEALING	$ 3.00	$ 6,027.00
44	48	SQ.FT.	DETECTABLE WARNINGS	$ 31.50	$ 1,512.00
45	45	FOOT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	$ 55.00	$ 2,475.00
46	6	CAL.MO.	ENGINEERS FIELD OFFICE, TYPE A	$ 2,500.00	$ 15,000.00
47	1	L.SUM	CONSTRUCTION LAYOUT STAKES AND SURVEY CONTROL POINTS	$ 10,000.00	$ 10,000.00
48	2	EACH	SURVEY MONUMENTS	$ 1,000.00	$ 2,000.00
49	1,073	FOOT	GUARDRAIL REMOVAL	$ 3.50	$ 3,755.50
50	40	SQ.YD.	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	$ 500.00	$ 20,000.00
51	40	SQ.YD.	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	$ 500.00	$ 20,000.00
52	40	SQ.YD.	DECK SLAB REPAIR (PARTIAL DEPTH)	$ 300.00	$ 12,000.00
53	100	FOOT	EPOXY CRACK INJECTION	$ 100.00	$ 10,000.00
54	300	SQ.FT.	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 IN)	$ 110.00	$ 33,000.00
55	150	SQ.FT.	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 IN)	$ 140.00	$ 21,000.00
56	217	SQ.FT.	WATERPROOFING MEMBRANE SYSTEM (SPECIAL)	$ 55.00	$ 11,935.00

CONTRACTOR: D. Construction, Inc.

GROUP 1-2013: 104TH AVE, S OF 167TH ST., SEC.: 12-W2508-01-DR;
151ST ST AT JACK HILLE MIDDLE SCHOOL, SEC.: 12-B5626-02-TL; and CENTRAL AVE,
135TH ST TO 127TH ST, SEC.: 12-W3913-04-RS

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
57	217	SQ.YD.	HOT-MIX ASPHALT SURFACE REMOVAL (DECK) 2 1/2 IN	$ 8.00	$ 1,736.00
58	380	POUND	REINFORCEMENT BARS, EPOXY COATED	$ 3.00	$ 1,140.00
59	35	SQ.YD.	APPROACH SLAB REPAIR (FULL DEPTH)	$ 50.00	$ 1,750.00
60	35	SQ.YD.	APPROACH SLAB REPAIR (PARTIAL DEPTH)	$ 30.00	$ 1,050.00
61	201	FOOT	PIPE CULVERT REMOVAL, 12 IN	$ 12.00	$ 2,412.00
62	175	FOOT	PIPE CULVERT REMOVAL, 15 IN	$ 14.00	$ 2,450.00
63	443	FOOT	PIPE CULVERT REMOVAL, 18 IN	$ 16.00	$ 7,088.00
64	77	FOOT	PIPE CULVERT REMOVAL, 24 IN	$ 20.00	$ 1,540.00
65	4.3	CU.YD.	CONCRETE COLLAR	$ 400.00	$ 1,720.00
66	86	FOOT	PIPE CULVERTS, TYPE 1 (RCCP CLASS IV) 12 IN	$ 45.00	$ 3,870.00
67	70	FOOT	PIPE CULVERTS, TYPE 1 (RCCP CLASS IV) 15 IN	$ 50.00	$ 3,500.00
68	22	FOOT	PIPE CULVERTS, TYPE 1 (RCCP CLASS IV) 18 IN	$ 60.00	$ 1,320.00
69	150	FOOT	PIPE UNDERDRAINS, PERFORATED CORRUGATED POLYETHYLENE (PE) PIPE WITH A SMOOTH INTERIOR,	$ 25.00	$ 3,750.00
70	154	FOOT	STORM SEWERS (POLYVINYL CHLORIDE) SDR 25, TYPE 1, 12 IN	$ 48.00	$ 7,392.00
71	24	FOOT	STORM SEWERS (POLYVINYL CHLORIDE) SDR 26, 18 IN	$ 65.00	$ 1,560.00
72	18	FOOT	STORM SEWERS, TYPE 1 (HDPE) 18 IN	$ 65.00	$ 1,170.00
73	13	FOOT	STORM SEWERS, TYPE 1 (HDPE) 6 IN	$ 30.00	$ 390.00
74	95	FOOT	STORM SEWERS, TYPE 1 (RCCP CLASS IV) 12 IN	$ 45.00	$ 4,275.00
75	29	FOOT	STORM SEWERS, TYPE 1 (RCCP CLASS IV) 18 IN	$ 70.00	$ 2,030.00
76	2	EACH	CATCH BASINS TO BE ADJUSTED	$ 450.00	$ 900.00
77	2	EACH	CATCH BASINS TO BE REMOVED	$ 400.00	$ 800.00
78	1	EACH	CATCH BASINS, TYPE A2, 4 FT DIA WITH FRAME AND GRATE	$ 2,000.00	$ 2,000.00
79	15	EACH	CATCH BASINS, TYPE C, 2 FT DIA WITH FRAME AND GRATE	$ 1,300.00	$ 19,500.00
80	3	EACH	FRAMES AND LIDS TO BE ADJUSTED, SPECIAL (PAVEMENT RECYCLING)	$ 650.00	$ 1,950.00
81	1	EACH	FLARED END SECTIONS TO BE REMOVED (18 IN DIA RCCP)	$ 200.00	$ 200.00
82	16	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 12 IN	$ 450.00	$ 7,200.00
83	6	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 15 IN	$ 500.00	$ 3,000.00

CONTRACTOR: D. Construction, Inc.

GROUP 1-2013: 104TH AVE, S OF 167TH ST., SEC.: 12-W2508-01-DR;
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135TH ST TO 127TH ST, SEC.: 12-W3913-04-RS

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
84	1	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 18 IN WITH GRATE	$ 550.00	$ 550.00
85	2	EACH	MEDIAN INLET, 3 FT DIA WITH FRAME AND GRATE	$ 1,700.00	$ 3,400.00
86	5	EACH	MANHOLES, TYPE A, 4 FT DIA WITH FRAME AND GRATE	$ 2,000.00	$ 10,000.00
87	2	EACH	MANHOLES, TYPE A, 5 FT DIA WITH FRAME AND GRATE	$ 2,400.00	$ 4,800.00
88	2	EACH	WATERPROOFING SANITARY MANHOLES TO BE ADJUSTED	$ 900.00	$ 1,800.00
89	2	EACH	SANITARY MANHOLES TO BE ADJUSTED	$ 600.00	$ 1,200.00
90	1,645	FOOT	STORM SEWERS (POLYVINYL CHLORIDE) SDR 25, TYPE 1, 24 IN	$ 120.00	$ 197,400.00
91	2	EACH	VALVE BOXES TO BE ADJUSTED	$ 200.00	$ 400.00
92	2	EACH	VALVE VAULTS TO BE ADJUSTED	$ 500.00	$ 1,000.00
93	689	CU.YD.	TRENCH BACKFILL	$ 40.00	$ 27,560.00
94	14	TON	AGGREGATE DITCH CHECKS	$ 37.00	$ 518.00
95	3	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	$ 2,250.00	$ 6,750.00
96	1	L.SUM	TRAFFIC CONTROL DEVICES - DETOUR ROUTING	$ 6,625.00	$ 6,625.00
97	1	L.SUM	TRAFFIC PROTECTION	$ 55,000.00	$ 55,000.00
98	5,800	FOOT	PAVEMENT MARKING TAPE, TYPE III, 4 IN	$ 1.75	$ 10,150.00
99	230	SQ.FT.	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	$ 4.20	$ 966.00
100	900	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 12 IN	$ 3.75	$ 3,375.00
101	60	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 24 IN	$ 7.35	$ 441.00
102	15,400	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 4 IN	$ 1.05	$ 16,170.00
103	600	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 6 IN	$ 2.00	$ 1,200.00
104	2	EACH	PEDESTRIAN COUNTDOWN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	$ 750.00	$ 1,500.00
105	1	EACH	PEDESTRIAN COUNTDOWN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	$ 1,275.00	$ 1,275.00
106	4	EACH	PEDESTRIAN PUSH-BUTTON	$ 255.00	$ 1,020.00
107	1	EACH	FULL-ACTUATED CONTROLLER AND TYPE SUPER-P CABINET	$ 18,000.00	$ 18,000.00
108	2	EACH	INDUCTIVE LOOP DETECTOR	$ 225.00	$ 450.00
109	1	EACH	UNINTERRUPTIBLE POWER SUPPLY WITHOUT CABINET	$ 4,750.00	$ 4,750.00
110	1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 24 FT AND 32 FT AND LIGHTING ARM, 15 FT	$ 9,500.00	$ 9,500.00

CONTRACTOR: D. Construction, Inc.

GROUP 1-2013: 104TH AVE, S OF 167TH ST., SEC.: 12-W2508-01-DR;
151ST ST AT JACK HILLE MIDDLE SCHOOL, SEC.: 12-B5626-02-TL; and CENTRAL AVE,
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SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
111	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT	$ 5,500.00	$ 5,500.00
112	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT	$ 5,500.00	$ 5,500.00
113	1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT	$ 800.00	$ 800.00
114	2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT	$ 900.00	$ 1,800.00
115	1	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	$ 800.00	$ 800.00
116	7	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	$ 850.00	$ 5,950.00
117	1	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	$ 1,350.00	$ 1,350.00
118	7	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	$ 110.00	$ 770.00
119	90	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2 IN DIA	$ 20.00	$ 1,800.00
120	525	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 IN DIA	$ 18.00	$ 9,450.00
121	190	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4 IN DIA	$ 42.50	$ 8,075.00
122	12	FOOT	CONCRETE FOUNDATION, TYPE A	$ 140.00	$ 1,680.00
123	4	FOOT	CONCRETE FOUNDATION, TYPE C	$ 325.00	$ 1,300.00
124	20	FOOT	CONCRETE FOUNDATION, TYPE E - 30 IN DIA	$ 185.00	$ 3,700.00
125	15	FOOT	CONCRETE FOUNDATION, TYPE E - 36 IN DIA	$ 200.00	$ 3,000.00
126	1	EACH	DOUBLE HANDHOLE	$ 2,500.00	$ 2,500.00
127	5	EACH	HANDHOLE	$ 2,000.00	$ 10,000.00
128	460	FOOT	DETECTOR LOOP, TYPE I	$ 17.50	$ 8,050.00
129	600	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING NO 6 1C (GREEN)	$ 2.25	$ 1,350.00
130	725	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO 14 1 PAIR	$ 1.00	$ 725.00
131	70	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE NO 6 2C	$ 3.25	$ 227.50
132	375	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 2C	$ 1.50	$ 562.50
133	375	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 3C	$ 1.65	$ 618.75
134	1,370	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 5C	$ 2.25	$ 3,082.50
135	165	FOOT	ELECTRIC CABLE, VIDEO DETECTION SYSTEM	$ 2.25	$ 371.25
136	1	EACH	VIDEO DETECTION SYSTEM, SINGLE CAMERA/PROCESSOR VIDEO DETECTION	$ 7,500.00	$ 7,500.00
137	1	EACH	SERVICE INSTALLATION, POLE MOUNTED	$ 1,000.00	$ 1,000.00

CONTRACTOR: D. Construction, Inc.

GROUP 1-2013: 104TH AVE, S OF 167TH ST., SEC.: 12-W2508-01-DR;
151ST ST AT JACK HILLE MIDDLE SCHOOL, SEC.: 12-B5626-02-TL; and CENTRAL AVE,
135TH ST TO 127TH ST, SEC.: 12-W3913-04-RS

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
138	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	$ 3,000.00	$ 3,000.00
139	100,000	UNIT	CONTRACT EXTRA WORK	$ 1.00	$ 100,000.00
				TOTAL	$ 1,959,054.70

County of Cook
Department of Transportation and Highway

Proposal Bid Bond

Project _____
Section _____
Date _____
Letting _____

We _____
_____ 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 said SURETY have caused this instrument to be signed by their respective officers and their corporate seals to be hereunto affixed this _____ day of _____ A.D. 20 ____.

PRINCIPAL

_____ _____
(Company Name) (Seal) (Company Name) (Seal)

BY: _____ BY: _____
(Signature & Title) (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

_____ BY: _____
(Name of Surety) (Seal) (Signature of Attorney-in-fact)

STATE OF ILLINOIS
COUNTY OF COOK

I, _____, a Notary Public in and for Cook County, do hereby certify that _____
_____
(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 _____ day of _____ A.D., 20 _____. My commission expires _____

_____
Notary Public

*Improper execution of this form (i.e. Missing Signatures or Seals or incomplete certification) will result in bid being declared irregular.
** If Bid Bond is used in lieu of proposal guaranty check, it must be on this form and must be submitted with Bid.

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 DEPARTMENT OF TRANSPORTATION AND HIGHWAY

BID FOR: Group I-2013 – Section #'s 12-W3913-04-RS, 12-W3913-03-BR, 12-B5626-02-TL, 12-W2508-01-DR

BID OPENING DATE: 2/26/2013

We deposit (subject to all condition of said proposal) the following described deposit check:

( ) Cashier's Check ( ) Bank Draft (✓) Bid Bond ( ) Other

Drawn on: _____ **of** _____
Bank **City** **State**

Draft or Check Number: _____ **Date:** _____

Amount: $ Five Percent Bid Bond

Submitted by: D. Construction, Inc.
Bidder
1488 S. Broadway
Street Address
Coal City IL 60416
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 Transportation and Highway

Proposal Bid Bond

Improvement: Group 1-2013, Township: Bremen, Orland and Worth
Central Avenue, 135th Street to 127th Street
Central Avenue Over Tinley Creek
151st Street @ Jack Hille Middle School and 104th Avenue South of 167th Street

Project Group 1-2013
Section Route W39, W25, B56
Date February 20, 2013
Letting February 20, 2013

We D. Construction, Inc. as Principal, and Liberty Mutual Insurance Company 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 said SURETY have caused this instrument to be signed by their respective officers and their corporate seals to be hereunto affixed this 20th day of February A.D. 20 13.

PRINCIPAL

D. Construction, Inc.
(Company Name) (Seal)

BY: _____
(Signature & Title) Kenneth Sandeno
President

(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

Liberty Mutual Insurance Company
(Name of Surety) (Seal)

BY: R.L. McWethy
(Signature of Attorney-In-Fact) R.L. McWethy

STATE OF ILLINOIS
COUNTY OF COOK WILL Will

I, Brandie Catlin, a Notary Public in and for Cook County, do hereby certify that Kenneth Sandeno and R.L. McWethy
(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 instruments their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 28th day of February A.D. 20 13. My commission expires 03/31/14

Brandie Catlin
Notary Public

OFFICIAL SEAL
BRANDIE CATLIN
Notary Public, State of Illinois
My Commission Expires 03/31/14

*Improper execution of this form (i.e. Missing Signatures or Seals or incomplete certification) will result in bid being declared irregular.
** If Bid Bond is used in lieu of proposal guaranty check, it must be on this form and must be submitted with Bid.

(CC) K Proposal Bid Bond

Nov. 15, 2012
1 Page(s) Total

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND. 4870838

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

LIBERTY MUTUAL INSURANCE COMPANY
BOSTON, MASSACHUSETTS
POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS: That Liberty Mutual Insurance Company (the "Company"), a Massachusetts stock insurance company, pursuant to and by authority of the By-law and Authorization hereinafter set forth, does hereby name, constitute and appoint **KEVIN J. SCANLON, GARY A. EATON, ROB W. KEGLEY JR, R. L. MCWETHY, ROBERT H. WALKER, ALL OF THE CITY OF NEW LENOX, STATE OF ILLINOIS**

, each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations in the penal sum not exceeding **ONE HUNDRED FIFTY MILLION AND 00/100********** DOLLARS ($ 150,000,000.00**********) each, and the execution of such undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents, shall be as binding upon the Company as if they had been duly signed by the president and attested by the secretary of the Company in their own proper persons.

That this power is made and executed pursuant to and by authority of the following By-law and Authorization:

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.
Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

By the following instrument the chairman or the president has authorized the officer or other official named therein to appoint attorneys-in-fact:

Pursuant to Article XIII, Section 5 of the By-Laws, David M. Carey, Assistant Secretary of Liberty Mutual Insurance Company, is hereby authorized to appoint such attorneys-in-fact as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

That the By-law and the Authorization set forth above are true copies thereof and are now in full force and effect.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Company and the corporate seal of Liberty Mutual Insurance Company has been affixed thereto in Plymouth Meeting, Pennsylvania this day of 23rd day of September, 2011.

LIBERTY MUTUAL INSURANCE COMPANY

By _____
David M. Carey, Assistant Secretary

COMMONWEALTH OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 23rd day of September, 2011, before me, a Notary Public, personally came David M. Carey, to me known, and acknowledged that he is an Assistant Secretary of Liberty Mutual Insurance Company; that he knows the seal of said corporation; and that he executed the above Power of Attorney and affixed the corporate seal of Liberty Mutual Insurance Company thereto with the authority and at the direction of said corporation.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.

Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires Mar. 28, 2013
Member, Pennsylvania Association of Notaries

By _____
Teresa Pastella, Notary Public

CERTIFICATE

I, the undersigned, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this certificate; and I do further certify that the officer or official who executed the said power of attorney is an Assistant Secretary specially authorized by the chairman or the president to appoint attorneys-in-fact as provided in Article XIII, Section 5 of the By-laws of Liberty Mutual Insurance Company.

This certificate and the above power of attorney may be signed by facsimile or mechanically reproduced signatures under and by authority of the following vote of the board of directors of Liberty Mutual Insurance Company at a meeting duly called and held on the 12th day of March, 1980.

VOTED that the facsimile or mechanically reproduced signature of any assistant secretary of the company, wherever appearing upon a certified copy of any power of attorney issued by the company in connection with surety bonds, 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 20th day of February, 2013.

_____
Gregory W. Davenport, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, bank deposit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

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 DEPARTMENT OF TRANSPORTATION AND HIGHWAY

BID FOR: _____

_____

BID OPENING DATE: _____

We deposit (subject to all condition of said proposal) the following described deposit check:

( ) Cashier's Check ( ) Bank Draft ( ) Bid Bond ( ) Other

Drawn on: _____ **of** _____
Bank **City** **State**

Draft or Check Number: _____ **Date:** _____

Amount: $_____

Submitted by: _____
Bidder

_____
Street Address

_____
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** _____