NOTICE TO BIDDERS, SPECIFICATIONS, CONTRACT AND CONTRACT BOND

FOR
HIGHWAY IMPROVEMENT
County of Cook, Illinois

Toni Preckwinkle
Cook County Board President

John J. Beissel, P.E.
Acting Superintendent of Highways

Maria de Lourdes Coss, CPPO
Purchasing Agent

Letting NOVEMBER 9, 2011

SECTION: 11-V6244-02-RS on Route No. V62

Known as QUENTIN ROAD
ILLINOIS AVENUE TO NORTHWEST HIGHWAY

NOTICE TO PROSPECTIVE BIDDERS

This proposal can be used for bidding purposes by only those companies that request and receive written AUTHORIZATION TO BID from CCHD's Bureau of Contract Documents.

BIDDERS MUST RETURN THE ENTIRE PROPOSAL
(See instructions inside front cover)

Proposal Submitted by:

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

Name Alamp Concrete Contractors Phone No. 847-891-6000
Address 1900 Wright Blvd.
City Schaumburg State IL Zipcode 60193

THE BOARD OF COMMISSIONERS
TONI PRECKWINKLE, PRESIDENT

Earlean Collins	1st Dist.	Bridget Gainer	10th Dist.
Robert Steele	2nd Dist.	John P. Daley	11th Dist.
Jerry Butler	3rd Dist.	John A. Fritchey	12th Dist.
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Joan P. Murphy	6th Dist.	Timothy O. Schneider	15th Dist.
Jesus G. Garcia	7th Dist.	Jeffrey R. Tobolski	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 THE CHIEF PROCUREMENT OFFICER
MARIA DE LOURDES COSS
CHIEF PROCUREMENT OFFICER

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

ADDENDUM No. 1

Quentin Road Improvement
Illinois Avenue to Northwest Highway
Section # 11-V6244-02-RS on Route No. V62

Contract Document 11-28-158

This Addendum No. 1 provides for time change for bid submissions.

Notice is hereby given that sealed proposals for the Quentin Road Improvement Project will be received at Room 1018, County Building, Chicago, Illinois until **Wednesday November 9, 2011 at 10:00 A.M., (LOCAL TIME)** and then publicly opened and read aloud.

Printed on Recycled Paper

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ADDENDUM No. 2

Quentin Road Improvement
Illinois Avenue to Northwest Highway
Section # 11-V6244-02-RS on Route No. V62

Contract Document 11-28-158

November 1, 2011

To All Plan Holders

Enclosed for your information and use is a copy of an Addendum which consists of the following:

1. Replace page No. 258 with revised page No. 258R, Schedule of Prices, in the Contract Documents. This reflects the correct nomenclature of a pay item for **Polymerized Leveling Binder, (Machine Method), IL-4.75, N50**.

2. Replace Sheet No. 2 with revised Sheet No. 2R, Summary of Quantities, in the Bidding Plans (Drawings). This reflects the correct nomenclature of a pay item for **Polymerized Leveling Binder, (Machine Method), IL-4.75, N50**.

This revision may be viewed and downloaded from the Office of the Chief Procurement Officer at http://legacy.cookcountygov.com/purchasing/public/index.php.

The Addendum forms a part of the Bidding Plans and Contract Documents and modifies the original Documents for **Quentin Road – Illinois Avenue to Northwest Highway, Section: 11-V6244-02-RS**. Please acknowledge receipt of previously issue Addendum No. 1 for bid submission time change to 10am on November 9, 2011 and this Addendum No. 2 in the space provided in the bid form (Execution Page). Failure to do so may subject the Bidder to disqualification.

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SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
1	21,115	FOOT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	$ -	$ -
2	21,420	FOOT	COMBINATION CURB AND GUTTER REMOVAL	$ -	$ -
3	1,673	SQ.YD.	CLASS C PATCHES, TYPE I, 10 IN	$ -	$ -
4	6,692	SQ.YD.	CLASS C PATCHES, TYPE II, 10 IN	$ -	$ -
5	6,692	SQ.YD.	CLASS C PATCHES, TYPE III, 10 IN	$ -	$ -
6	1,673	SQ.YD.	CLASS C PATCHES, TYPE IV, 10 IN	$ -	$ -
7	4,700	SQ.YD.	SUBBASE GRANULAR MATERIAL, TYPE B, 6 IN	$ -	$ -
8	49,150	SQ.FT.	MEDIAN REMOVAL PARTIAL DEPTH	$ -	$ -
9	1,120	CU.YD.	EARTH EXCAVATION	$ -	$ -
10	200	SQ.YD.	P.C. CONCRETE BASE COURSE, 10 IN	$ -	$ -
11	300	SQ.YD.	P.C. CONCRETE DRIVEWAY PAVEMENT, 8 IN	$ -	$ -
12	9,270	TON	POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, MIX "E", IL-12.5 OR 9.5, N90	$ -	$ -
13	3,090	TON	POLYMERIZED LEVELING BINDER, (MACHINE METHOD), IL-4.75, N50	$ -	$ -
14	6,429	GALLON	BITUMINOUS MATERIAL (PRIME COAT)	$ -	$ -
15	129	TON	AGGREGATE PRIME COAT	$ -	$ -
16	2,346	SQ.YD.	PROTECTIVE COAT	$ -	$ -
17	25	SQ.YD.	AGGREGATE BASE COURSE, TYPE B, 4 IN	$ -	$ -
18	25	SQ.YD.	AGGREGATE BASE COURSE, TYPE B, 8 IN	$ -	$ -
19	60	SQ.YD.	AGGREGATE BASE COURSE, TYPE B, 10 IN	$ -	$ -
20	1,673	SQ.YD.	PAVEMENT FABRIC	$ -	$ -
21	200	SQ.FT.	P.C. CONCRETE SIDEWALK, 5 IN	$ -	$ -
22	200	SQ.FT.	SIDEWALK REMOVAL	$ -	$ -
23	25	SQ.FT.	DETECTABLE WARNINGS	$ -	$ -
24	10,000	FOOT	CRACK AND JOINT ROUTING AND SEALING	$ -	$ -
25	9,400	SQ.YD.	SODDING, SALT TOLERANT	$ -	$ -
26	9,400	SQ.YD.	TOPSOIL FURNISH AND PLACE, 4 IN	$ -	$ -
27	120	POUND	POTASSIUM FERTILIZER NUTRIENT	$ -	$ -
28	120	POUND	NITROGEN FERTILIZER NUTRIENT	$ -	$ -
29	120	POUND	PHOSPOROUS FERTILIZER NUTRIENT	$ -	$ -
30	28	UNIT	SUPPLEMENTAL WATERING	$ -	$ -

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
31	8	CAL. MO.	ENGINEER'S FIELD OFFICE, TYPE A	$ -	$ -
32	75,000	UNIT	CONTRACT EXTRA WORK	$ 1.00	$ 75,000.00
33	1	LUMP SUM	RAILROAD PROTECTIVE LIABILITY INSURANCE	$ -	$ -
34	1	LUMP SUM	TRAFFIC PROTECTION	$ -	$ -
35	5	EACH	FRAMES AND GRATES, TYPE 23V	$ -	$ -
36	5	EACH	FRAMES AND GRATES. TYPE 24V	$ -	$ -
37	5	EACH	FRAMES AND LIDS, TYPE I (CLOSED)	$ -	$ -
38	5	EACH	FRAMES AND LIDS, TYPE I (OPEN)	$ -	$ -
39	5	EACH	LIDS, TYPE I (CLOSED)	$ -	$ -
40	5	EACH	LIDS, TYPE I (OPEN)	$ -	$ -
41	5	EACH	GRATES, TYPE 23V	$ -	$ -
42	5	EACH	GRATES, TYPE 24V	$ -	$ -
43	2	EACH	GRATES, TYPE 8	$ -	$ -
44	4,000	SQ.YD.	EROSION CONTROL BLANKET	$ -	$ -
45	200	FOOT	GRADING AND SHAPING DITCHES	$ -	$ -
46	220	EACH	INLET FILTER	$ -	$ -
47	10	EACH	INLET FILTER CLEANING	$ -	$ -
48	3	EACH	INLETS TO BE ADJUSTED WITH NEW FRAME AND GRATE, TYPE 23V	$ -	$ -
49	2	EACH	INLETS TO BE ADJUSTED WITH NEW FRAME AND GRATE, TYPE 24V	$ -	$ -
50	26	EACH	MANHOLES TO BE ADJUSTED	$ -	$ -
51	4	EACH	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	$ -	$ -
52	5	EACH	SANITARY MANHOLES TO ADJUSTED	$ -	$ -
53	8	EACH	VALVE VAULTS TO BE ADJUSTED	$ -	$ -
54	53	EACH	CATCH BASINS TO BE ADJUSTED	$ -	$ -
55	3	EACH	CATCH BASINS TO BE ADJUSTED WITH NEW FRAME AND GRATE, TYPE 23V	$ -	$ -
56	120	EACH	CATCH BASINS TO BE ADJUSTED WITH NEW FRAME AND GRATE, TYPE 24V	$ -	$ -
57	300	SQ.YD.	PAVEMENT REPLACEMENT	$ -	$ -
58	100	FOOT	CLEANING EXISTING PIPE CULVERTS, 24 IN	$ -	$ -
59	90	FOOT	CLEANING EXISTING PIPE CULVERTS, 30 IN	$ -	$ -
60	1	EACH	FILLING EXISTING CATCH BASINS	$ -	$ -

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
61	1	EACH	FIRE HYDRANTS VERTICAL ADJUSTMENT (24 IN OR LESS)	$ -	$ -
62	50	FOOT	EXPLORATION TRENCH (52 IN DEPTH)	$ -	$ -
63	2	EACH	CATCH BASINS, TYPE A2, 4 FT. DIA. WITH FRAMES AND GRATES, TYPE 24V	$ -	$ -
64	100	FOOT	STORM SEWERS, TYPE I (RCCP CLASS IV) 12 IN	$ -	$ -
65	10	CU.YD.	TRENCH BACKFILL	$ -	$ -
66	1	EACH	FULL ACTUATED CONTROLLER, AND TYPE V CABINET	$ -	$ -
67	2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	$ -	$ -
68	2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	$ -	$ -
69	13	EACH	RELOCATE EXISTING SIGNAL HEAD	$ -	$ -
70	2	EACH	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	$ -	$ -
71	2	EACH	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	$ -	$ -
72	2	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	$ -	$ -
73	5	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT	$ -	$ -
74	2	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT	$ -	$ -
75	1	EACH	SERVICE INSTALLATION, POLE MOUNTED	$ -	$ -
76	1	EACH	HANDHOLE	$ -	$ -
77	2	EACH	HEAVY-DUTY HANDHOLE	$ -	$ -
78	11	EACH	INDUCTIVE LOOP DETECTOR	$ -	$ -
79	27	FOOT	CONCRETE FOUNDATION, TYPE E - 30 IN DIA	$ -	$ -
80	2,150	FOOT	DETECTOR LOOP, TYPE I	$ -	$ -
81	140	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO 6 2C	$ -	$ -
82	210	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 2C	$ -	$ -
83	290	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 3C	$ -	$ -
84	610	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 5C	$ -	$ -
85	620	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 7C	$ -	$ -
86	250	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO 14 1 PAIR	$ -	$ -
87	510	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING NO 6 1C (GREEN)	$ -	$ -
88	70	FOOT	ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	$ -	$ -
89	30	FOOT	CONDUIT IN TRENCH, 2 1/2 IN DIA, GALVANIZED STEEL	$ -	$ -
90	70	FOOT	CONDUIT PUSHED, 2 IN DIA, GALVANIZED STEEL	$ -	$ -

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
91	30	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK	$ -	$ -
92	1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	$ -	$ -
93	1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	$ -	$ -
94	1	EACH	UNINTERRUPTIBLE POWER SUPPLY	$ -	$ -
95	4	EACH	DRILL EXISTING HANDHOLE	$ -	$ -
96	6	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER	$ -	$ -
97	4	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	$ -	$ -
98	20	EACH	REBUILD EXISTING HANDHOLE	$ -	$ -
99	9	EACH	REBUILD EXISTING HEAVY-DUTY HANDHOLE	$ -	$ -
100	6	EACH	REBUILD EXISTING DOUBLE HANDHOLE	$ -	$ -
101	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	$ -	$ -
102	2	EACH	REMOVE EXISTING CONCRETE FOUNDATION	$ -	$ -
103	1,200	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT	$ -	$ -
104	1	EACH	REMOVE EXISTING HANDHOLE	$ -	$ -
105	34,000	FOOT	PAVEMENT MARKING TAPE, TYPE III, LINE 4 IN	$ -	$ -
106	27,300	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 4 IN	$ -	$ -
107	3,700	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 6 IN	$ -	$ -
108	900	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 8 IN	$ -	$ -
109	3,100	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 12 IN	$ -	$ -
110	700	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 24 IN	$ -	$ -
111	1,900	SQ.FT.	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	$ -	$ -
112	290	EACH	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	$ -	$ -
113	290	EACH	RAISED REFLECTIVE PAVEMENT MARKER	$ -	$ -
114	260	SQ.FT.	SIGN PANEL, TYPE 1	$ -	$ -
115	590	FOOT	METAL POST, TYPE B	$ -	$ -
116	16	CAL. MO.	CHANGEABLE MESSAGE SIGN	$ -	$ -
117	500	SQ.YD.	CLASS B PATCHES, TYPE II, 10 IN	$ -	$ -
118	12,500	FOOT	CRACK ROUTING AND SEALING	$ -	$ -
119	2	EACH	SURVEY MONUMENT	$ -	$ -
120	1	EACH	CONSTRUCTING TEST STRIP	$ -	$ -

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
121	36	TON	MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS	$ -	$ -
122	300	SQ.YD.	HOT-MIX ASPHALT DRIVEWAY SURFACE REMOVAL	$ -	$ -
123	9	TON	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", IL-12.5 OR 9.5, N50	$ -	$ -
124	300	SQ.YD.	DRIVEWAY PAVEMENT REMOVAL	$ -	$ -
125	300	FOOT	CUTTING HOT MIX ASPHALT SURFACE	$ -	$ -
				TOTAL	$ 75,000.00

Special Notice Regarding CCHD Proposals, Authorization To Bid & Requests For Plans & Proposals

ABOUT CCHD PROPOSALS

All Proposals issued by CCHD are potential bidding proposals. All proposals must be prequalified through Contract Documents before being allowed to bid. Certifications of Eligibility and Affidavits Availability are required, a proposal signature sheet and a Proposal Bid Bond are required for Prime Contractors submit a bid after written AUTHORIZATION TO BID has been issued by CCHD.

ABOUT AUTHORIZATION TO BID

WHO CAN BID? Bids will be accepted from only those companies that **request and receive Authorization to Bid** from CCHD. To request authorization, a potential bidder must contact the Contract Document office at 312-603-1830

WHAT CONSTITUTES AUTHORIZATION TO BID? When a prospective prime bidder submits a "Request for Proposal Forms and Plans" he/she must indicate at that time which items are being requested for bidding purposes. Only those items requested For Bidding will be analyzed. After the request has been analyzed, the bidder will be issued a **Proposal Denial and/or Authorization Form** that indicates which items have been approved for Bidding. If **Authorization to Bid** cannot be approved, the **Proposal Denial and/or Authorization Form** will indicate the reason for denial.

FIRMS UNSURE AS TO AUTHORIZATION STATUS: Firms that have not received an authorization form within a reasonable time of complete and correct original document submittal should contact the department as to status. This is critical in the week before the letting. All documents and requests for authorization for bid must be submitted prior to the date advertised for the Project cutoff time on the website. Firms unsure as to authorization status should call the Contract Document Office at 312-603-1830.

ABOUT REQUESTS FOR PLANS & PROPOSALS

To request the forms used for ordering plans and proposals are issued through contact Contract Document office at 312-603-1830. Plans may also be downloaded at ftp://130.94.31.166/ (user name: highway; password ftpt3st). Proposals may also be downloaded at http://198.65.148.209/purchasing/bids/listallhighway.php (follow online instructions to register, if you have not already). If requesters follow the instructions printed on the document it will help save time, eliminate errors and expedite the processing of requests.

Requests for plans and proposals will not be honored unless submitted on the proper form.

NOTICE

NO AUTHORIZATION TO BID WILL BE ISSUED UNTIL A COMPLETED AUTHORIZATION BID FORM HAS BEEN AND THE CERTIFICATE OF ELIGIBILITY AND AFFIDAVIT OF AVAILABILITY HAS BEEN FILED WITH THE CONTRACT DOCUMENT OFFICE.

COUNTY OF COOK

CHICAGO, ILLINOIS
NOTICE

TO CONTRACTORS FOR A COUNTY HIGHWAY IMPROVEMENT

Notice is hereby given that sealed proposals for a County Highway Improvement in the County of Cook, Illinois, as described below, will be received at the Office of the Purchasing Agent, 118 North Clark Street Room 1018, Chicago, Illinois

until Wednesday, November 9, 2011 at 11:00 A.M. (Local Time) and then publicly opened and read aloud

Improvement Quentin Road Township Palatine

From Illinois Avenue To Northwest Highway

Route V62 Section 11-V6244-02-RS

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 of Quentin Road begins at Sta. 14+04.10, a point on the centerline of Quentin Road approximately 410 feet north of the centerline of Illinois Avenue and extends in an northerly direction to Sta. 252+52.28, a point on the centerline of Quentin Road approximately along the south edge-of-pavement of Northwest Highway (Baldwin Road), for a total distance of 10,322.18 feet of which 10,290.00 feet (1.94 miles) are to be improved. This improvement lies within the Village of Palatine, Cook County, Illinois.

DESCRIPTION OF IMPROVEMENT

This is a Quality Control/Quality Assurance Project utilizing Hot-Mix Asphalt mixes.

The improvements to Quentin Road between Illinois Avenue and Northwest Highway consist of repair of existing distressed P.C. Concrete Pavement with Class C Patches (10 in.), removal and replacement of Combination Concrete Curb And Gutter, Type B-6.24 and resurfacing with ¾ In. Polymerized Leveling Binder (Machine Method), IL-4.75, N50 and 2 ¼ In. Polymerized Hot-Mix Asphalt Surface Course, Mix "E", IL-12.5 or 9.5, N90. Also included is complete removal of existing M-7 median including curb and gutter and replacement with P.C.Concrete Base Course (10 in.) over Subbase Granular Material, 6 In., scarification of existing C-4 median, drainage additions and adjustments, traffic signal modifications including replacement of loop detectors at signalized intersections, signing, striping, landscaping restoration of the parkway with topsoil and sodding, Traffic Protection and other related road work as required to complete the improvement.

COOK COUNTY HIGHWAY DEPARTMENT
SPECIAL PROVISION CHECK LIST
EFFECTIVE July 1, 2011 v2011.2

QUENTIN ROAD
ILLINOIS AVENUE TO NORTHWEST HIGHWAY
Section: 11-V6244-02-RS

	No.	Description	Origin and Date Last Revised
X	1	Definition of Terms, Information for Bidders	(CC) Dec. 28, 2009
X	2	Bidding Requirements and Conditions For Contract Proposals	(IL-CC) Dec. 28, 2009
X	3	* Pre-Bid Meeting	(CC) July. 1, 2011
X	4	* Wages of Employees on Public Works	(IL-CC) Dec. 28, 2009
X	5	Alternate Proposal/Ordinance	(CC) Dec. 28, 2009
X	6	Responsible Bidder Requirement (Non-Federal Aid)	(IL) Jan. 1,2006
	7	Required Contract Provisions (Federal Aid Only)	(IL-CC) Jan. 1, 2007
X	8	* Required Disadvantaged Business Participation	(IL-CC) Dec. 28, 2009
X	9	Specific Equal Employment Opportunity Responsibilities (Non-Federal Aid)	(IL-CC) Dec. 28, 2009
X	10	Insurance Requirements	(CC) Jan. 13, 2011
X	11	* Railroad Protective Liability Insurance	(IL-CC) Dec. 28, 2009
X	12	* Indemnification	(CC) Dec. 28, 2009
X	13	Joint Venture Forms	(CC) Dec. 28, 2009
X	14	Addendum Receipt	(CC) Dec. 28, 2009
	15	ARRA Provisions	(IL) April 1, 2009
	16	* Combination Bidding Process	(IL-CC) Jan. 1, 2006
X	17	Prompt Pay Mechanisms	(CC) Dec. 28, 2009
	18-22	Not Used	
X	23	Contract Claims	(IL-CC) Jan. 1, 2007
X	24	Pre-Construction Conference	(CC) Mar. 18, 1980
	25	Mobilization	(CC) Aug. 24, 2009
X	26	Contract Extra Work (Non-Federal Aid)	(CC) Dec. 1, 2009
X	27	Diesel Vehicle Emissions Control (Green Construction Ordinance)	(CC) Dec. 1. 2009
X	28	Processing of Extra Work Payment Requests	(CC) May 1, 1997
	29	Construction Layout Stakes and Survey Control Points	(CC) Jan. 1, 2003
	30	* Municipal Coordination/Transfer of Jurisdiction and/or Maintenance	(CC) July 15, 2000
X	31	Engineer's Field Office	(CC) Sept. 15, 2005
	32	Not Used	
X	33	Construction Debris	(CC) July 1, 2006
	34	Clean Construction and Demolition Debris	(CC) Dec. 1, 2010
	35-45	Not Used	

	No.	Description	Origin and Date Last Revised
X	46	Managing Concrete Waste	(CC) Jan 1, 2009
X	47	Cement	(IL) July 1, 2011
X	48	Quality Control / Quality Assurance of Concrete Mixtures	(IL) July 1, 2011
	49	Class B Patches, Special	(CC) Jan. 1, 2008
	50	Class C Patches, Special	(CC) Jan 1, 2008
	51	Pavement Removal and Replacement (10.0 Inch)	(CC) Jan 1, 2008
X	52	Dowel Bars	(CC) Jan 1, 2008
	53	Structural Fiber Reinforced P.C. Concrete Bus Pad (4 Inch)	(CC) Jan 1, 2008
	54	P.C.C. Bonded Overlay (4 Inch)	(CC) Jan. 1, 2007
	55	Diamond Grinding Concrete Pavement	(CC) Jan. 1, 2007
	56	Saw-Cutting Thin Bonded Concrete Overlay	(CC) Jan. 1, 2007
X	57	Hot-Mix Asphalt Density Testing of Longitudinal Joints	(IL) July 1, 2011
X	58	Hot-Mix Asphalt Plant Test Frequency	(IL) April 1, 2008
X	59	Hot-Mix Asphalt Transportation	(IL) April 1, 2008
X	60	Crack Routing and Sealing	(IL-CC) Jan 1, 2008
	61	Hot-Mix Asphalt Surface Course, Rubber Modified	(CC) Jan 1, 2008
	62	Rubberized Asphalt Material	(CC) Jan 1, 2008
	63	Pavement Thickness Deficiency	(CC) March 1, 2008
	64-65	Not used	
X	66	Survey Monuments	(CC) April 1, 2008
X	67	Soils Information	(CC) July 1, 2011
	68	Embankment	(CC) Mar. 6, 2003
	69	Borrow Excavation	(CC) July 1, 2000
	70	Crushed Stone (Temporary Use)	(CC) Jan 1, 2008
	71	Aggregate Subgrade, 12"	(IL) August 1, 2008
	72	Porous Granular Embankment, Subgrade	(IL-CC) December 1,2009
	73	Expanded Polystyrene Fill	(CC) May 1, 2003
	74	Cellular Concrete Fill	(CC) July 1, 2006
	75	GEO-GRID Subgrade Reinforcing Mat	(CC) May 1, 2003
	76	Earth Excavation (Special)	(CC) July 1, 2011
X	77	P.C.C. Surface Finish	(CC) April 7, 2010
	78	Traffic Barrier Terminal, Type 1, Special	(IL-CC) Jan. 1, 2008
X	79	*Scheduling and Landscaping	(CC) Jan 1, 2008
	80	Steel Plate Beam Guardrail	(IL-CC) Aug. 1, 2007
	81-89	Not used	
X	90	Hot Mix Asphalt Mixtures IL – 4.75	(IL) Jan. 1, 2008
X	91	Reclaimed Asphalt Pavement (RAP)	(IL) July 1, 2011

	No.	Description	Origin and Date Last Revised
X	92	Cutting Hot-Mix Asphalt Surface	(CC) Jan. 1, 2008
X	93	Hot Mix Asphalt Driveway Surface Removal	(CC) Jan 1, 2008
	94	Temporary Butt Joints	(CC) Jan 1., 2008
	95	Hot Mix Asphalt Stabilized Subbase	(CC) Jan 1, 2008
	96	Hot-In-Place Asphalt Recycling	(CC) July 1, 2011
	97	Expanding Polystyrene Injection	(CC) Jan 1, 2008
	98-100	Not used	
X	101	Treatment of Cracks	(CC) Jan. 1, 2008
	102	Strip Reflective Crack Control Treatment, Special	(CC) May 1, 2003
	103	Cold Recycled Bituminous Base Course	(CC) Oct. 1, 2009
	104	Temporary By-Pass Pavement	(CC) Jan 1, 2008
	105	Temporary By-Pass Pavement (for use in projects utilizing Federal Aid)	(CC) July 1, 2011
	106-116	Not used	
	117	Approach Slab Repair	(IL-CC) Nov. 26, 2007
	118	Asbestos Waterproofing Membrane & Asbestos Hot Mix Asphalt Surface Removal	(IL) Jan 2, 2007
	119	Piling	(CC) Jan. 22, 2010
	120	Segmental Concrete Block Wall	(CC) Oct. 4, 2010
	121	Temporary Soil Retention System	(IL) May 11, 2009
	122	Steel Structures	(CC) Nov. 21, 2007
	123	Cleaning and Painting New Metal Structures	(IL) May 11, 2009
	124	Cleaning and Painting Existing Steel Structures	(IL) May 11, 2009
	125	Containment and Disposal of Lead Paint Cleaning Residues	(IL) March 6, 2009
	126	Fine or Coarse Aggregate Embankment	(CC) Jan. 12, 2003
	127	Strip Seal Joint Assembly with Elastomeric Concrete Headers	(CC) April 1, 2003
	128	Drainage System	(IL) Jan. 1, 2007
	129	Grating	(CC) October 1, 2003
	130	Silicone Bridge Joint Sealer	(IL) Jan. 1, 2007
	131	Not used	
	132	Deck Slab Repair	(IL) Oct. 9, 2009
	133	Bridge Deck Latex Concrete Overlay	(IL) May 11, 2009
	134	Surface Finish	(IL-CC) Jan. 1, 2007
	135-136	Not used	
	137	Welded Wire Fabric, Epoxy Coated	(CC) Nov. 21, 2007
	138	Permanent Steel Sheet Piling	(IL) Jan. 1, 2007
	139	Temporary Sheet Piling	(IL) Jan. 1, 2007
	140	Precast Concrete Junction Chambers	(CC) Nov. 1, 2007
	141	Jack and Remove Existing Bearings	(IL) Jan. 1, 2007

	No.	Description	Origin and Date Last Revised
	142	Jacking Existing Superstructure	(IL) Jan. 1, 2007
	143	Junction Chamber	(CC) Jan. 1, 2007
	144	Neoprene Expansion Joint Removal	(CC) Oct. 10, 1995
	145	Structural Repair of Concrete	(IL) May 11, 2009
	146	Polymer Modified Portland Cement Mortar	(IL) June. 1, 2007
	147	Concrete Wearing Surface	(IL) Jan. 12, 2009
	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-IL) October 20, 2009
	157	Water Main for Installation in the City of Chicago	(CC-IL) Dec. 21, 2009
	158	Frames, City Electric in the City of Chicago	(CC-IL) April 14, 2009
	159	Lids, City Electric in the City of Chicago	(CC-IL) April 14, 2009
	160	Lids and Lids, ADA Compliant in the City of Chicago	(CC-IL) April 14, 2009
	161	Various City Drainage and Utility Structure Adjustments in the City of Chicago	(CC-IL) Dec. 21, 2009
	162	Storm Sewer (Ductile Iron Pipe and Vitrified Clay Pipe) Installation	(CC-IL) Dec. 1, 2007
	163	Boring and Jacking Storm Sewers, Sanitary Sewers or Water Mains	(CC) Dec. 1, 2007
	164	Storm Sewers Jacked in Place (Over 36 In. Dia.)	(CC) Dec. 21, 2009
	165	Storm Sewer Drilled and Pushed (36 In. Dia. Max.)	(CC) Dec. 1, 2007
	166	Storm Sewers, Abandon and Fill	(CC) Dec. 21, 2007
	167	Storm Sewer to be Televised	(CC) Dec. 30, 2008
	168	Connecting Existing Field Drain Tile	(CC) Dec. 1, 2007
	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	Filling Existing Manholes, Special; Filling Existing Catch Basins, Special; Filling Existing Inlets, Special	(CC) Jan. 1, 2007
	173	Manholes, Type A, with Restrictor Plates	(CC) Dec. 1, 2007
	174	Pipe Underdrains	(IL-CC) Dec. 30, 2008
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) Dec. 1, 2007
	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
	180	Pavement Replacement	(CC) July 1, 2011
	181-184	Not used	

	No.	Description	Origin and Date Last Revised
X	185	* Cooperation With Utilities	(CC) Dec. 21, 2009
	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
X	191	Fire Hydrants Vertical Adjustment	(CC) Dec. 21, 2009
	192	Sanitary Sewer Installation	(CC) Dec. 21, 2009
	193	Sanitary Manholes	(CC) Dec. 21, 2009
X	194	Waterproofing of Sanitary Manholes	(CC) July 1, 2011
	195	Precast Concrete Handling Holes	(IL-CC) Dec. 30, 2008
	196-198	Not used	
X	199	Inlet Filter Cleaning	(CC) Dec. 21, 2009
X	200	Cleaning Existing Manholes, Catch Basins or Inlets and Cleaning Existing Storm Sewer and Pipe Culverts	(CC) Dec. 1, 2007
	201	Erosion And Sediment Control Deficiency Deduction	(IL-CC) Dec. 30, 2008
X	202	* National Pollutant Discharge Elimination System	(CC) Dec. 21, 2009
	203	Temporary Erosion Control	(IL-CC) Dec. 30, 2008
	204	Maintaining Drainage and Stream Protection	(CC) Dec. 1, 2007
	205	Storm Water Pollution Separation System (VortSentry)	(CC) Dec. 21, 2009
	206	Storm Water Pollution Separation System (SPECIAL)	(CC) Dec. 1, 2007
	207-210	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	(IL) Jan. 1, 2007
	228	Traffic Control Devices – Detour Routing	(CC) Mar. 6, 2003
	229	Not used	
	230	Polyurea Pavement Marking	(IL) Jan. 1, 2009
X	231	Traffic Protection	(CC) Sept. 5, 2007
X	232	Thermoplastic Pavement Markings	(IL) Jan. 1, 2007
	233	Reflective Sheeting on Channelizing Devices	(IL) Nov. 1, 2008
	234	Type ZZ Retroreflective Sheeting, etc.	(IL) April 1, 2007

	No.	Description	Origin and Date Last Revised
X	235	Retroreflective Sheeting for Highway Signs	(IL) April 27, 2007
	236	Project Signs Placque	(CC) Nov. 1, 2008
	237	Eradication of Existing Pavement Marking	(CC) Dec. 1, 2009
X	238	Raised Reflective Pavement Marker Removal	(IL) Dec. 1, 2009
X	239	Replacement of Raised Reflective Pavement Marker	(IL) Dec. 1, 2009
	240	Temporary Flashing Beacon	(IL) Dec. 1, 2009
X	241	Traffic Signal Work General	(CC) April 1, 2011
	242	Construction at Railroad Crossing	(CC) April 1, 2011
	243	Signal Head, Optically Programmed Signal Head and Pedestrian Signal Head	(CC) April 1, 2011
X	244	Signal Head, Light Emitting Diode	(CC) April 1, 2011
	245	Pedestrian Countdown Signal Head, Light Emitting Diode	(CC) April 1, 2011
X	246	Traffic Signal Backplate	(CC) April 1, 2011
	247	Illuminated Sign, Light Emitting Diode	(CC) April 1, 2011
X	248	Traffic Signal Post, Pedestrian Pushbutton Post	(CC) April 1, 2011
X	249	Steel Mast Arm Assembly and Pole and/or Steel Combination Mast Arm Assembly and Pole	(CC) April 1, 2011
X	250	Traffic Actuated Controller, Traffic Actuated Controller with Cabinet, Inductive Loop Detector	(CC) April 1, 2011
	251	Master Controller	(CC) April 1, 2011
X	252	Detector Loop	(CC) April 1, 2011
	253	Video Detection System For Temporary Traffic Signal Installation	(CC) April 1, 2011
	254	Pedestrian Pushbutton	(CC) April 1, 2011
X	255	Conduit	(CC) April 1, 2011
X	256	Coilable Non-Metallic Conduit	(CC) April 1, 2011
X	257	Trench and Backfill for Electrical Work	(CC) April 1, 2011
X	258	Electric Cable	(CC) April 1, 2011
	259	Railroad Interconnect Cable	(CC) April 1, 2011
	260	Fiber Optic Cable	(CC) April 1, 2011
X	261	System Ground and Grounding Cable	(CC) April 1, 2011
X	262	Grounding Existing Handhole Frame and Cover	(CC) April 1, 2011
X	263	Service Installation, Pole Mount	(CC) April 1, 2011
	264	Service Installation, Ground Mount	(CC) April 1, 2011
	265	* Electric Service	(CC) April 1, 2011
X	266	Handhole	(CC) April 1, 2011
X	267	Rebuild Existing Handhole, Rebuild Existing Heavy Duty Handhole, Rebuild Existing Double Handhole	(CC) April 1, 2011
X	268	Concrete Foundation	(CC) April 1, 2011
	269	Modify Existing Type "D" Foundation	(CC) April 1, 2011

	No.	Description	Origin and Date Last Revised
X	270	Remove Existing Traffic Signal Equipment	(CC) April 1, 2011
	271	Temporary Traffic Signal Installation	(CC) April 1, 2011
X	272	Maintenance of Existing Traffic Signal Installation	(CC) July 1, 2011
	273	Emergency Vehicle Priority System	(CC) April 1, 2011
X	274	Relocate Existing Emergency Vehicle Priority System, Detector Unit	(CC) April 1, 2011
X	275	Relocate Existing Emergency Vehicle Priority System, Phasing Unit	(CC) April 1, 2011
	276	Confirmation Beacon System	(CC) April 1, 2011
	277	Re-Optimize Traffic Signal System	(CC) April 1, 2011
	278	Optimize Traffic Signal System	(CC) April 1, 2011
	279	Median Removal and Replacement	(CC) April 1, 2011
	280	Sidewalk Removal and Replacement	(CC) April 1, 2011
	281	Relocate Existing Light Standard and Luminaire Complete in Place	(CC) April 1, 2011
	282	Maintenance Of Lighting System	(CC) April 1, 2011
	283	City Electric Manholes to be Adjusted	(CC) April 1, 2011
X	284	Uninterruptible Power Supply (UPS)	(CC) April 1, 2011
	285	Traffic Signal Cabinet Load Switch	(CC) April 1, 2011
	286	Temporary Traffic Signal Timings	(CC) April 1, 2011
	287	Combination Lighting and Traffic Signal Service Installation, Pole Mounted	(CC) April 1, 2011
	288	Illuminated Street Name Sign	(CC) April 1, 2011
	289	Relocate Existing Illuminated Street Name Sign	(CC) April 1, 2011
	290	Video Detection System, Single Camera Processor Video Detection	(CC) April 1, 2011
	291	Video Detection System, Complete Intersection	(CC) April 1, 2011
	292	Radar Presence Detector	(CC) April 1, 2011
	293-300	Not used	

Additional Inserted Special Provisions (As Required)

- 185a Status of Utilities to be Adjusted
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Additional Document Inclusions (Required)

*0 01	Cover Sheet	(CC) July 1, 2011
*0 02	Notice Sheet	(CC) Dec. 28, 2009
*C	Proposal Sheet	(CC) Jan 1, 2008
*D	Proposal Agreements	(CC) Jan. 1, 2008
E	Economic Disclosure Statement	(CC) June 2, 2011
	Instructions, *DBE Documents, Contractor Certifications, Economic and Other Disclosures, *Contractor's Certificate Concerning Labor Standards, *Sub-Contractor's Certificate Concerning Labor Standards	
F	Bidder's Signature Sheet	(CC) June 2, 2011
H	Surety's Statement Of Qualification for Bonding	(CC) June 2, 2011
*I	Surety Bond Form	(CC) June 2, 2011
J	Contract	(CC) June 2, 2011
M	Contract Execution Forms	(CC) June 2, 2011
*O	Schedule of Prices Sheets	(CC) May 1, 2003

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

Origin of Special Provisions

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

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

MARIA DE LOURDES COSS

PURCHASING AGENT

JOHN J. BEISSEL, P.E.

ACTING SUPERINTENDENT OF HIGHWAYS

DEFINITION OF TERMS

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

SPECIFICATIONS. The specifications herein referred to are the Standard Specifications for Road and Bridge Construction, Supplemental Specifications, the special provisions and all written agreements and documents of any description pertaining to the method or manner of performing the work and the quantity or quality of materials to be furnished under the contract. The Standard Specifications for Road and Bridge Construction are those prepared by the Department of Transportation of the State of Illinois, adopted January 1, 2007. 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.

INFORMATION for BIDDERS

1) Detailed information concerning the proposed improvement may be obtained by an examination of the plans and specifications on file in the office of the County Superintendent of Highways for the County of Cook, in the City of Chicago, Illinois and also in the offices of the Department of Transportation, Division of Highways, Springfield, Illinois.

2) Plans and specifications may be obtained from the County Superintendent of Highways upon the payment of Ten Dollars ($10.00) for plans containing up to twenty four (24) sheets, and upon payment of Twenty-Five Dollars ($25.00) for plans containing twenty five (25) to seventy-nine (79) sheets, and upon payment of Fifty Dollars ($50.00) for plans containing eighty (80) up to one hundred (100) sheets. Cost for one hundred (100) sheets or more will be determined by the Superintendent of Highways.

3) If the prospective bidder is in doubt as to the meaning of any part of the plans, specifications of other proposed contract documents, he may submit to the County Superintendent of Highways a written request for an interpretation thereof. The prospective bidder submitting the request will be responsible for the prompt delivery to the County Superintendent of Highways. Any interpretation of the proposal documents will be made by an addendum duly issued and a copy of each addendum will be mailed or delivered to each prospective bidder.

4) 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 careful calculations and is believed to be correct but is given only as a basis for a comparison of proposals and award of a contract.

5) Each prospective bidder must have on file, or file at least seven (7) days prior to the scheduled opening of bids, with the County Superintendent of Highways, sworn statements as to equipment owned and controlled, previous experience and construction work and financial conditions.

6) The bidder should include in the bid price in his proposal 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.

7) The Board of County Commissioners for The County of Cook reserves the right to reject any or all proposals and to waive technicalities of form. Proposals 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 proposal, which may, in the judgement of said Board of County Commissioners, endanger the prompt completion of the proposed improvement.

8) The bidder shall include in his proposal a Proposal Guarantee in accordance with provisions contained in the proposal form. The return of the proposal guarantee will be in accordance with provisions contained in the proposal form.

9) The bidder who submits the proposal accepted by said Board of Cook County Commissioners shall execute a contract and furnish a satisfactory surety bond in the amount of one hundred percent (100%)

of the contract price within fifteen (15) days after receiving notice of acceptance. Such acceptance being contingent upon the fulfillment of this requirement by said bidder. Failure on the part of said bidder to so execute a contract and surety bond shall be considered just cause for the forfeiture of the proposal 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.

10) If bidder is submitting a proposal as a Joint Venture, bidder shall complete the County's Joint Venture Forms and shall submit such Joint Venture Forms seven (7) days prior to the bid proposal submission date. Bidder is reminded that compliance with the Assumed Business Name Act (805 ILCS 405/1 et seq.) is required of all Joint Ventures.

SPECIAL PROVISION
FOR
BIDDING REQUIREMENTS AND CONDITIONS FOR CONTRACT PROPOSALS

Prequalification of Bidders. When prequalification is required and 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 or photostatic copy of a "Certificate of Eligibility" issued by the Department of Transportation, according to the Department's "Prequalification Manual."

The bidder must provide the Awarding Authority a sworn affidavit, in triplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work prior to the issuance of proposal forms. One copy shall be filed with the Awarding Authority and two copies with IDOT's District office.

Issuance of Proposal Forms. The Awarding Authority reserves the right to refuse to issue a proposal form for bidding purposes for any of the following reasons:

a) Lack of competency and adequate machinery, plant, and other equipment, as revealed by the financial statement and experience questionnaires required in the prequalification procedures.

b) Uncompleted work which, in the judgement of the Awarding Authority, might hinder or prevent the prompt completion of additional work awarded.

c) False information provided on a bidder's "Affidavit of Availability".

d) Failure to pay, or satisfactorily settle, all bills due for labor and material on former contracts in force at the time of issuance of proposal forms.

e) Failure to comply with any prequalification regulations of the Department.

f) Default under previous contracts.

g) Unsatisfactory performance record as shown by past work for the Awarding Authority, judged from the standpoint of workmanship and progress.

h) 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.

i) 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.

j) When any agent, servant, or employee of the perspective bidder has participated in the preparation of plans or specifications for the proposed work.

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 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 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 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 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.

Preparation of the Proposal. Bidders shall submit their proposals on the form furnished by the Awarding Authority. The proposal shall be executed properly, and bids shall be made for all items indicated in the proposal 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 proposal 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 proposal 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 Proposal, must be properly authenticated by the bidder by initialing in ink such erasures or alterations to avoid cause for rejection of the Proposal in accordance with Title 44 Illinois Administrative Code Chapter IX Section 660.180.

If the proposal 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 proposal shall show the names, titles, and business addresses of the president, corporate secretary and treasurer. The proposal 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.

When prequalification is required, the proposal form shall be submitted by an authorized bidder in the same name and style as shown on the "Contractor's Statement of Experience and Financial Condition" used for prequalification.

Rejection of Proposals. The Awarding Authority reserves the right to reject any proposal for any of the conditions in "Issuance of Proposal Forms" or for any of the following reasons:

a) More than one proposal 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 proposals 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 proposal 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 proposal 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 proposal 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 proposal guaranty.

i) If the proposal is prepared with other than ink or typewriter, or otherwise fails to meet the requirement of the above "Preparation of Proposal" section.

Proposal Guaranty. Each proposal shall be accompanied by a bid bond on the Department form contained in the proposal, 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 proposals, the amount must equal to the sum of the proposal guaranties, which would be required for each individual proposal.

Bank cashier's checks or properly certified checks accompanying proposals 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 proposal guaranty checks of all except the two lowest responsible will be returned promptly after the proposals have been checked, tabulated, and the relation of the proposals established. Proposal guaranty checks of the two lowest 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 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 proposals as proposal guaranties, bid bonds on the Department forms executed by corporate surety companies satisfactory to the Awarding Authority.

Delivery of Proposals. If a special envelope is supplied by the Awarding Authority, each proposal 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 proposals shall be filed prior to the time and at the place specified in the Notice to Bidders. Proposals received after the time specified will be returned to the bidder unopened.

Withdrawal of Proposals. Permission will be given a bidder to withdraw a proposal if the bidder makes the request in writing or in person before the time for opening proposals.

Public Opening of Proposals. Proposals 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 Proposals. After the proposals 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 proposals, take into consideration the responsibility of the various bidders as determined from a study of the data required under "Prequalification of Bidders", and from other investigations which it may elect to make.

The right is reserved to reject any or all proposal, to waive technicalities, or to advertise from new proposals, if in the judgement 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 45 calendar days after the opening of proposals to the lowest responsible and qualified bidder whose proposal complies with all the requirements prescribed. The successful bidder will be notified by letter of intent that his/her bid has been accepted, and subject to the following conditions, the bidder will be the Contractor.

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, if the judgement of the Awarding Authority, the best interests of the Awarding Authority will be promoted thereby.

If a contract is not awarded within 45 days after the opening of proposals, bidders may file a written request with the Awarding Authority for the withdrawal of their bid, and the Awarding Authority will permit such withdrawal.

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 as the penal sum. 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.

Execution of Contract. The contract shall be executed by the successful bidder and returned, together with the Contract Bond, within 15 days after the contract has been mailed to the bidder.

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 return of the executed contract and bond. Failure to furnish such evidence of a Certificate of authority within the time required will be considered as just cause for the annulment of the award and the forfeiture of the proposal guaranty to the Awarding Authority, not as a penalty, but in payment of liquidated damages sustained as a result of such failure.

Failure to Execute Contract. If the contract is not executed by the Awarding Authority within 15 days following receipt from the bidder of the properly executed contracts and bonds, the bidder shall have the right to withdraw his/her bid without penalty.

Failure of the successful bidder to execute the contract and file acceptable bonds within 15 days after the contract has been mailed to the bidder shall be just cause for the cancellation of the award and the forteiture of the proposal 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 readvertised and constructed under contract, or otherwise, as the Awarding Authority may decide.

SPECIAL PROVISION
FOR
PRE-BID MEETING

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

Cook County Highway Department

PLACE: 69 W. Washington Street
Suite 2260
Chicago, IL 60602
TIME: 11:00 a.m.
DATE: Tuesday, October 18, 2011

Attendance at this meeting is not a mandatory requirement for bidding on this contract. Attendees are asked to bring a copy of the Proposal Document and Plans, if applicable. All attendees will be asked to have this page of the Proposal Document signed by a representative of the Highway Department on the line below, thus verifying their attendance at the meeting.

The purpose of this meeting is to answer any questions regarding the contract documents or plans. A summary of the meeting discussion will be provided to all prospective bidders prior to the bid opening.

Submitted for signature by:

_____
Cook County Highway Department

SPECIAL PROVISION
FOR
WAGES OF EMPLOYEES ON PUBLIC WORKS

This contract is subject to "An Act regulating 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 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 October 2011

Trade Name	RG	TYP	C	Base	FRMAN	*M-F>8	OSA	OSH	H/W	Pensn	Vac	Trng
ASBESTOS ABT-GEN		ALL		35.200	35.700	1.5	1.5	2.0	12.18	8.820	0.000	0.450
ASBESTOS ABT-MEC		BLD		32.850	0.000	1.5	1.5	2.0	10.82	10.66	0.000	0.720
BOILERMAKER		BLD		43.020	46.890	2.0	2.0	2.0	6.720	9.890	0.000	0.350
BRICK MASON		BLD		39.780	43.760	1.5	1.5	2.0	9.300	11.17	0.000	0.730
CARPENTER		ALL		40.770	42.770	1.5	1.5	2.0	12.34	11.25	0.000	0.530
CEMENT MASON		ALL		41.850	43.850	2.0	1.5	2.0	10.70	10.76	0.000	0.320
CERAMIC TILE FNSHER		BLD		33.600	0.000	2.0	1.5	2.0	9.200	6.680	0.000	0.580
COMM. ELECT.		BLD		36.440	38.940	1.5	1.5	2.0	8.420	8.910	0.000	0.700
ELECTRIC PWR EQMT OP		ALL		41.850	46.850	1.5	1.5	2.0	10.27	13.01	0.000	0.320
ELECTRIC PWR GRNDMAN		ALL		32.640	46.850	1.5	1.5	2.0	8.000	10.12	0.000	0.240
ELECTRIC PWR LINEMAN		ALL		41.850	46.850	1.5	1.5	2.0	10.27	13.01	0.000	0.320
ELECTRICIAN		ALL		40.400	43.000	1.5	1.5	2.0	13.83	7.420	0.000	0.750
ELEVATOR CONSTRUCTOR		BLD		47.410	53.340	2.0	2.0	2.0	10.53	10.71	2.840	0.000
FENCE ERECTOR		ALL		32.660	34.660	1.5	1.5	2.0	12.42	10.00	0.000	0.250
GLAZIER		BLD		38.000	39.500	1.5	2.0	2.0	10.19	13.64	0.000	0.790
HT/FROST INSULATOR		BLD		43.800	46.300	1.5	1.5	2.0	10.82	11.86	0.000	0.720
IRON WORKER		ALL		40.750	42.750	2.0	2.0	2.0	13.20	19.09	0.000	0.350
LABORER		ALL		35.200	35.950	1.5	1.5	2.0	12.18	8.820	0.000	0.450
LATHER		ALL		40.770	42.770	1.5	1.5	2.0	12.34	11.25	0.000	0.530
MACHINIST		BLD		43.160	45.160	1.5	1.5	2.0	7.980	8.950	0.000	0.000
MARBLE FINISHERS		ALL		29.100	0.000	1.5	1.5	2.0	9.300	11.17	0.000	0.660
MARBLE MASON		BLD		39.030	42.930	1.5	1.5	2.0	9.300	11.17	0.000	0.730
MATERIAL TESTER I		ALL		25.200	0.000	1.5	1.5	2.0	12.18	8.820	0.000	0.450
MATERIALS TESTER II		ALL		30.200	0.000	1.5	1.5	2.0	12.18	8.820	0.000	0.450
MILLWRIGHT		ALL		40.770	42.770	1.5	1.5	2.0	12.34	11.25	0.000	0.530
OPERATING ENGINEER		BLD	1	45.100	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD	2	43.800	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD	3	41.250	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD	4	39.500	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD	5	48.850	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD	6	46.100	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		BLD	7	48.100	49.100	2.0	2.0	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		FLT	1	51.300	51.300	1.5	1.5	2.0	11.70	8.050	1.900	1.150
OPERATING ENGINEER		FLT	2	49.800	51.300	1.5	1.5	2.0	11.70	8.050	1.900	1.150
OPERATING ENGINEER		FLT	3	44.350	51.300	1.5	1.5	2.0	11.70	8.050	1.900	1.150
OPERATING ENGINEER		FLT	4	36.850	51.300	1.5	1.5	2.0	11.70	8.050	1.900	1.150
OPERATING ENGINEER		HWY	1	43.300	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY	2	42.750	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY	3	40.700	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY	4	39.300	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY	5	38.100	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY	6	46.300	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
OPERATING ENGINEER		HWY	7	44.300	47.300	1.5	1.5	2.0	14.40	9.550	1.900	1.250
ORNAMNTL IRON WORKER		ALL		40.200	42.450	2.0	2.0	2.0	12.67	14.81	0.000	0.500
PAINTER		ALL		38.000	42.750	1.5	1.5	1.5	9.750	11.10	0.000	0.770
PAINTER SIGNS		BLD		32.770	36.800	1.5	1.5	1.5	2.600	2.620	0.000	0.000
PILEDRIVER		ALL		40.770	42.770	1.5	1.5	2.0	12.34	11.25	0.000	0.530
PIPEFITTER		BLD		44.050	47.050	1.5	1.5	2.0	8.460	13.85	0.000	1.820
PLASTERER		BLD		39.250	41.610	1.5	1.5	2.0	10.60	10.69	0.000	0.550
PLUMBER		BLD		44.750	46.750	1.5	1.5	2.0	11.59	9.060	0.000	0.780
ROOFER		BLD		37.650	40.650	1.5	1.5	2.0	7.750	6.570	0.000	0.430
SHEETMETAL WORKER		BLD		40.460	43.700	1.5	1.5	2.0	9.830	16.25	0.000	0.630
SIGN HANGER		BLD		28.960	29.810	1.5	1.5	2.0	4.700	2.880	0.000	0.000
SPRINKLER FITTER		BLD		49.200	51.200	1.5	1.5	2.0	9.250	8.050	0.000	0.450
STEEL ERECTOR		ALL		40.750	42.750	2.0	2.0	2.0	13.20	19.09	0.000	0.350
STONE MASON		BLD		39.780	43.760	1.5	1.5	2.0	9.300	11.17	0.000	0.730
TERRAZZO FINISHER		BLD		35.150	0.000	1.5	1.5	2.0	9.200	9.070	0.000	0.430

TERRAZZO MASON		BLD		39.010	42.010	1.5	1.5	2.0	9.200	10.41	0.000	0.510
TILE MASON		BLD		40.490	44.490	2.0	1.5	2.0	9.200	8.390	0.000	0.640
TRAFFIC SAFETY WRKR		HWY		28.250	29.850	1.5	1.5	2.0	4.896	4.175	0.000	0.000
TRUCK DRIVER	E	ALL	1	30.700	31.350	1.5	1.5	2.0	6.750	5.450	0.000	0.150
TRUCK DRIVER	E	ALL	2	30.950	31.350	1.5	1.5	2.0	6.750	5.450	0.000	0.150
TRUCK DRIVER	E	ALL	3	31.150	31.350	1.5	1.5	2.0	6.750	5.450	0.000	0.150
TRUCK DRIVER	E	ALL	4	31.350	31.350	1.5	1.5	2.0	6.750	5.450	0.000	0.150
TRUCK DRIVER	W	ALL	1	32.550	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.000
TRUCK DRIVER	W	ALL	2	32.700	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.000
TRUCK DRIVER	W	ALL	3	32.900	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.000
TRUCK DRIVER	W	ALL	4	33.100	33.100	1.5	1.5	2.0	6.500	4.350	0.000	0.000
TUCKPOINTER		BLD		39.200	40.200	1.5	1.5	2.0	7.830	10.25	0.000	0.770

Legend:

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

Explanations

COOK COUNTY

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

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

EXPLANATION OF CLASSES

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

CERAMIC TILE FINISHER

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

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

COMMUNICATIONS ELECTRICIAN

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

MARBLE FINISHER

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

and exterior which are installed in a similar manner.

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

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

OPERATING ENGINEER - BUILDING

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

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

Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators; Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches; Bobcats (up to and including 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 Workmen employed under contracts for Public Works" enacted by the 62nd General Assembly and approved June 26, 1941, as amended. Should said Act be declared inoperative, void or unconstitutional at any time, either before or after the awarding of the contract for this project, the bidder agrees to perform the work at a reduction of 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 Purchasing Agent of Cook County shall specify in the call for bids in any contract for public works that such contractors bidding on public works contracts of the County of Cook shall conform to Illinois Compiled Statutes, Chapter 30, Section 560/1 and following, which Act is entitled "An Act to give preference in the construction of public works projects and improvements to citizens of the United States who have resided in Illinois for one year". The Purchasing Agent in awarding the contract shall cause to be inserted in the contract a stipulation to the effect that the contractor shall conform to the above cited Illinois Statute.

SPECIAL PROVISION
FOR
RESPONSIBLE BIDDER REQUIREMENT

In accordance with the provisions of Section 30-22 (6) of the Illinois Procurement Code, the bidder certifies that it is a participant, either as an individual or as part of a group program, in the approved apprenticeship and training programs applicable to each type of work or craft that the bidder will perform with its own forces. The bidder further certifies for work that will be performed by subcontract that each of Its subcontractors submitted for approved either (a) is, at the time of such bid, participating in an approved, applicable apprenticeship and training program; or (b) will, prior to commencement of performance of work pursuant to this centered, begin participation in an approved apprenticeship and training program applicable to the work of the subcontract. The Department, at any time before or after award, may require the production of a copy of each applicable Certificate of Registration issued by the United States Department of Labor evidencing such participation by the contractor and any or all of its Subcontractors. Applicable apprenticeship and training programs are those that have been approved and registered with the United Slates Department of Labor. The bidder shell 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.

Laborers - 2-76-96

Operators - 150

Cement Masons - 502-803-11

Teamsters - 731-786

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.

SPECIAL PROVISION
FOR
REQUIRED DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION

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 or most recent addendum.

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, subrecipient, 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 Department. The goal has been included because the Department has determined that the work of this contract has subcontracting opportunities that may be suitable for performance by DBE companies. This 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 **10%** 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 Department will 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 forth in this Special Provision:

a) The bidder documents that firmly committed 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 may 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 web site at www.dot.il.gov.

Bidding Procedures. Compliance with the bidding procedures of this Special Provision is required prior to the award of the contract and the failure of the as-read low bidder to comply will render the bid not responsive.

a) In order to assure the timely award of the contract, the as-read low bidder shall submit a Disadvantaged Business Utilization Plan on Department form SBE 2026 within **seven (7) working days after the date of letting.** To meet the seven day requirement, the bidder may send the Plan by certified mail or delivery service within the seven working day period. If a question arises concerning the mailing date of a Plan, the mailing date will be established by the U.S. Postal Service postmark on the original certified mail receipt from the U.S. Postal Service or the receipt issued by a delivery service. It is the responsibility of the bidder to ensure that the postmark or receipt date is affixed within the seven working days if the bidder intends to rely upon mailing or delivery to satisfy the submission day requirement. The Plan is to be submitted to the Cook County Highway Department, Contract Documents Office Suite 2200, 69 West Washington Street, Chicago, Illinois 60602. The Department will not accept a Utilization Plan if it does not meet the seven day submittal requirement and the bid will be declared not responsive. In the event the bid is declared not responsive due to a failure to submit a Plan or failure to comply with the bidding procedures set forth herein, the Department may elect to cause the forfeiture of the penal sum of the bidder's proposal guaranty, and may deny authorization to bid the project if re-advertised for bids. The Department reserves the right to invite any other bidder to submit a Utilization Plan at any time for award consideration or to extend the time for award.

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, Department form SBE 2025, for each DBE proposed for the performance of work to achieve the contract goal. The

signatures on these forms must be original signatures. All elements of information indicated on the said form shall be provided, including but not limited to the following:

(1) The name and address of each DBE to be used;

(2) A description, including pay item numbers, of the commercially useful work to be done by each DBE;

(3) The price to be paid to each DBE for the identified work specifically stating 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) A commitment statement signed by the bidder and each DBE evidencing availability and intent to perform commercially useful work on the project; and

(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).

(d) The contract will not be awarded until the Utilization Plan submitted by the bidder is approved. The Utilization Plan will be approved by the Department if the Plan commits sufficient commercially useful DBE work performance to meet the contract goal. The Utilization Plan will not be approved by the Department if the Plan does not commit sufficient DBE performance to meet the contract goal unless the bidder documents that it made a good faith effort to meet the goal. The good faith procedures of Section VIII of this special provision apply. If the Utilization Plan is not approved because it is deficient in a technical matter, unless waived by the Department, the bidder will be notified and will be allowed no less than a five working day period in order to cure the deficiency.

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

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 contact. Credit will be given for the full value of all such DBE trucks operated using DBE employed drivers. Goal credit will be limited to the value of the reasonable fee or commission received by the DBE if trucks are leased from a nonDBE company.

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 or 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.

Good Faith Effort Procedures. If the bidder cannot obtain sufficient DBE commitments to meet the contract goal, the bidder must document in the Utilization Plan the good faith efforts made in the attempt 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 could reasonably be expected to obtain sufficient DBE participation. The Department will consider the quality, quantity, and intensity of the kinds of efforts that the bidder has made. Mere *pro forma* efforts are not good faith efforts; rather, the bidder is expected to have taken those 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 Department will consider as part of the evaluation of the bidder's good faith efforts to obtain participation. These listed factors are not intended to be a mandatory checklist and are not intended to be exhaustive. Other factors or efforts brought to the attention of the Department may be relevant in appropriate cases, and will be considered by the Department.

1) Soliciting through all reasonable and available means (e.g. attendance at pre-bid meetings, advertising and/or written notices) the interest of all certified DBE companies that have the capability to perform the work of the contract. The bidder must solicit this interest within sufficient time to allow the DBE companies to respond to the solicitation. The bidder must determine with certainty if the DBE companies are interested by taking appropriate steps to follow up initial solicitations.

2) Selecting portions of the work to be performed by DBE companies in order to increase the likelihood that the DBE goals will be achieved. This includes, where appropriate, breaking out contract work items

into economically feasible units to facilitate DBE participation, even when the prime Contractor might otherwise prefer to perform these work items with its own forces.

3) Providing interested DBE companies with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation.

4) a. Negotiating in good faith with interested DBE companies. It is the bidder's responsibility to make a portion of the work available to DBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available DBE subcontractors and suppliers, so as to facilitate DBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of DBE companies that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional agreements could not be reached for DBE companies to perform the work.

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

5) Not rejecting DBE companies as being unqualified without sound reasons based on a thorough investigation of their capabilities. The bidder's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union employee status) are not legitimate causes for the rejection or non-solicitation of bids in the bidder's efforts to meet the project goal.

6) Making efforts to assist interested DBE companies in obtaining bonding, lines of credit, or insurance as required by the recipient or Contractor.

7) Making efforts to assist interested DBE companies in obtaining necessary equipment, supplies, materials, or related assistance or services.

8) Effectively using the services of available minority/women community organizations; minority/women contractors' groups; local, state, and federal minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBE companies.

(b) If the Department determines that the bidder has made a good faith effort to secure the work commitment of DBE companies to meet the contract goal, the Department will award the contract provided that it is otherwise eligible for award. If the Department determines that a good faith effort has not been made, the Department will notify the bidder of that preliminary determination by contacting the responsible company official designated in the Utilization Plan. The preliminary determination shall include a statement of reasons why good faith efforts have not been found, and may include additional good faith efforts that the bidder could take. The notification will designate a five working day period during which the bidder shall take additional efforts. The bidder is not

limited by a statement of additional efforts, but may take other action beyond any stated additional efforts in order to obtain additional DBE commitments. The bidder shall submit an amended Utilization Plan if additional DBE commitments to meet the contract goal are secured. If additional DBE commitments sufficient to meet the contract goal are not secured, the bidder shall report the final good faith efforts made in the time allotted. All additional efforts taken by the bidder will be considered as part of the bidder's good faith efforts. If the bidder is not able to meet the goal after taking additional efforts, the Department will make a pre-final determination of the good faith efforts of the bidder and will notify the designated responsible company official of the reasons for an adverse determination.

(c) The bidder may request administrative reconsideration of a pre-final determination adverse to the bidder **within the five (5) working days** after the notification date of the determination by delivering the request to the Cook County Highway Department, Contract Documents Office Suite 2200, 69 West Washington Street, Chicago, Illinois 60602. Deposit of the request in the United States mail on or before the fifth business day shall not be deemed delivery. The pre-final determination shall become final if a request is not made and delivered. A request may provide additional written documentation and/or argument concerning the issue of whether an adequate good faith effort was made to meet the contract goal. In addition, the request shall be considered consent by the bidder to extend the time for award. The request will be forwarded to the Department's Reconsideration Officer. The Reconsideration Officer will extend an opportunity to the bidder to meet in person in order to consider all issues of whether the bidder made a good faith effort to meet the goal. After the review by the Reconsideration Officer, the bidder will be sent a written decision within ten working days after receipt of the request for reconsideration, 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 Reconsideration Officer 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.

Contract Compliance. Compliance with this Special Provision is an essential part of the contract. The Department is prohibited by federal regulations from crediting the participation of a DBE included in the Utilization Plan toward either the contract goal or the Department's overall goal until the amount to be applied toward the goals has been paid to the DBE. The following administrative procedures and remedies govern the compliance by the Contractor with the contractual obligations established by the Utilization Plan. After approval of the 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.

a) No amendment to the Utilization Plan may be made without prior written approval from the Department's Contract Documents Office. All requests for amendment to the Utilization Plan shall be submitted to the Cook County Highway Department, Contract Documents Office Suite 2200, 69 West Washington Street, Chicago, Illinois 60602.

b) All work indicated for performance by an approved DBE shall be performed, managed, and supervised by the DBE executing the Participation Statement. The Contractor shall not terminate for convenience a DBE listed in the Utilization Plan and then perform the work of the terminated

DBE with its own forces, those of an affiliate or those of another subcontractor, whether DBE or not, without first obtaining the written consent of the Bureau of Small Business Enterprises to amend the Utilization Plan. If a DBE listed in the Utilization Plan is terminated for reasons other than convenience, or fails to complete its work on the contract for any reason, the Contractor shall make good faith efforts to find another DBE to substitute for the terminated DBE. The good faith efforts shall be directed at finding another DBE to perform at least the same amount of work under the contract as the DBE that was terminated, but only to the extent needed to meet the contract goal or the amended contract goal. The Contractor shall notify the Bureau of Small Business Enterprises of any termination for reasons other than convenience, and shall obtain approval for inclusion of the substitute DBE in the Utilization Plan. If good faith efforts following a termination of a DBE for cause are not successful, the Contractor shall contact the Bureau of Small Business Enterprises and provide a full accounting of the efforts undertaken to obtain substitute DBE participation. The Bureau of Small Business Enterprises will evaluate the good faith efforts in light of all circumstances surrounding the performance status of the contract, and determine whether the contract goal should be amended.

c) The Contractor shall maintain a record of payments for work performed to the DBE participants. The records shall be made available to the Department for inspection upon request. After the performance of the final item of work or delivery of material by a DBE and final payment therefore to the DBE by the Contractor, but not later than thirty calendar days after payment has been made by the Department to the Contractor for such work or material, the Contractor shall submit a DBE Payment Agreement on Department form SBE 2115 to the Regional Engineer. 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 Plan, the Department will deduct from contract payments to the Contractor the amount of the goal not achieved as liquidated and ascertained damages.

d) The Department reserves the right to withhold payment to the Contractor to enforce the provisions of this Special Provision. Final payment shall not be made on the contract until such time as the Contractor submits sufficient documentation demonstrating achievement of the goal in accordance with this Special Provision or after liquidated damages have been determined and collected.

e) Notwithstanding any other provision of the contract, including but not limited to Article 109.09 of the Standard Specifications, the Contractor may request administrative reconsideration of a decision to deduct the amount of the goal not achieved as liquidated damages. A request to reconsider shall be delivered to the Contract Compliance Section 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 Department.

ASSIST AGENCIES - NON-CONSTRUCTION OUTREACH MAILING

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)

FW DODGE
Chicago Office
Two Prudential Plaza - Suite 600
Chicago, IL 60601
312-616-3154
312-616-3136 (FAX)

TARGET GROUP, INC.
330 South Wells Street — Suite 400
Chicago, IL 60606
312-873-0200
312-873-0299 (FAX)

CHICAGO SUN TIMES
350 North Orleans Street - 10'" Floor
Chicago, IL 60654
312-321-2850
312-321-2243 (FAX)

Asian American Small Business Association
5023 North Broadway
Chicago, IL 60640
773-728-1030

Ms. Tracye Smith, 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)

Ms. Joan Archie, Director
Chicago Urban League
20 South State Street, 11th Floor
Chicago, IL 60604
312-692-0766
312-692-0769 (FAX)

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

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)

Director
North River Commission/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
773-486-1331
773-486-1340 (FAX)

Mr. Geoffrey Barnes, Director
Triton College
Small Business Development Center 2000 Fifth Avenue
River Grove, IL 60171
708-456-0300, x3479
708-583-3118 (FAX)

Executive Director
Uptown Center/Hull House
4520 North Beacon
Chicago, IL 60640
773-561-3500
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)

Ms. Beth Doria, Executive Director
Federation of Women Contractors
5650 South Archer Avenue
Chicago, IL 60638
312-360-1122
312-30-0239 (FAX)

COOK COUNTY

HIGHWAY DEPARTMENT

SPECIAL PROVISION
FOR
SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES
NONFEDERAL-AID CONTRACTS

1) General

a) The requirements set forth herein shall constitute the specific affirmative action requirements under this contract and supplement the non-discrimination requirements contained elsewhere in this proposal.

b) The contractor will work with the cook county highway department in carrying out equal employment opportunity (EEO) obligations and in their reviews of activities under the contract.

c) The contractor, and all subcontractors holding subcontracts (not including material suppliers) of $10,000.00 or more, will comply with the following minimum specific requirement activities of equal employment opportunity the contractor will include these requirements in every subcontract of $10,000.00 or more with such modification of language as is necessary to make them binding on the subcontractor.

2) Equal Employment Opportunity Policy

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

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

3) Equal Employment Opportunity Officer

The contractor will designate and make known to the cook county highway department contracting officers an EEO officer who will have the responsibility for and must be capable of effectively administering and promoting an active contractor program of EEO 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 eeo 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: "and 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.

8) Unions

If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use his/her 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:

a) 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.

b) 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.

c) The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the cook county highway department and shall set forth what efforts have been made to obtain such information.

d) In the event the union is unable to provide the contractor with a reasonable flow of minority and female referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minorities and females. (The U.S. department of labor has held that it shall be no excuse that the union with which the contractor has a collective bargaining agreement providing for exclusive referral failed to refer minorities or female employees). In the event the union referral practice prevents the contractor from meeting the obligations pursuant to these special provisions, such contractor shall immediately notify the cook county highway department.

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

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

a) The contractor shall notify all potential subcontractors and suppliers of his/her EEO obligation under this contract.

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

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

10) Records and reports

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

a) The records kept by the contractor shall document the following:

(1) The number of minorities, non-minorities and females employed in each work classification on the project.

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and females;

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minority and female employees; and,

(4) The progress and efforts being made in securing the services of DBE subcontractors or subcontractors with meaningful minority and female representation among their employees.

b) The contractor will submit to the cook county highway department a monthly report every month for the duration of the project, indicating the number of minority, non-minority and female employees currently engaged in each work classification required by contract work and the number of hours worked. This information is to be reported on form SBE-956. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data.

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

(1) The offeror's or bidder's attention is called to the "equal opportunity clause" and the "standard federal equal employment opportunity construction contract specifications" set forth herein.

(2) The goals and timetables for minority and female participation, expressed in percentage terms for the contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

APPENDIX A

The following goal for female utilization in each construction craft and trade shall apply to all contractors holding federal and federally assisted construction contracts and subcontracts in excess of $10,000.00. The goal is applicable to the contractor's total on-site construction workforce, regardless of whether or not part of that workforce is performing work on a federal, federally assisted or nonfederally related construction contract or sub contract. Area covered (statewide) goals for women apply nationwide.

Goal	Goal (Percentage)
Female Utilization	6.9

APPENDIX B

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

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

Not later than at the time of executing his contract and surety bond, the Contractor will deposit with the County Superintendent of Highways the following:

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

The Contractor shall furnish the County one (1) original insurance **policy binder** and two duplicate copies, 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**, in duplicate, 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 days prior written notice by certified mail to the Superintendent of Highways.

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

The Contractor shall provide and maintain the following:

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

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

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

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

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

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

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

IV. **Umbrella Liability Insurance** Limits shall be:

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

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

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

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

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

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

SPECIAL PROVISION
FOR
RAILROAD PROTECTIVE LIABILITY INSURANCE

The contractor will be required to carry Railroad Protective Liability and Property Damage Liability Insurance in accordance with Article 107.11 of the Standard Specifications. The limits under this Special Provision are to be not less than $2,000,000.00 combined single limit per occurrence for bodily injury liability and property damage liability with an aggregate limit of $6,000,000.00 over the life of the policy.

NAMED INSURED	NUMBER AND SPEED OF FREIGHT AND/OR PASSENGER TRAINS
Union Pacific Railroad	66 Passenger and Freight (70mph)

For Information contact:

Mr. Dick Johnson
Manager of Track Maintenance
81 North Main
Crystal Lake, Illinois 60014
(815) 788-250

For Flagger Information:

Ms. Candice Miller
(312) 496-4738

Basis of Payment:

The costs for providing insurance, as noted above, will be paid for as the contract unit price per lump sum for RAILROAD PROTECTIVE LIABILITY INSURANCE.

Approval of Insurance:

The ORIGINAL AND ONE CERTIFIED copy of each required policy shall be submitted to the Resident Engineer for approval.

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

SPECIAL PROVISION
FOR
INDEMNIFICATION

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

SPECIAL PROVISION
FOR
JOINT VENTURES

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

1) Prequalified contractors may combine their available bidding capacity for a single contract to bid as a joint venture after Cook County Department of Highways ("Department") approval.

2) Each request for approval of a 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 available to the Department for inspection. 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 received no later than 12 noon on the cutoff date.** 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) prequalified 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 pre-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 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 and Justification*** **must be received no later than 12 noon on the cutoff date.**

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 may 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 received by 12 noon on the cut off date.** This includes ***Affidavits of Availability*** for all parties to the joint venture. These Forms should be mailed to the following address:

Cook County Department of Highways
69 West Washington Street, Room 2200
Chicago, Illinois 60602

Any questions should be directed to Thomas E. Gavin III, Contract Administrator, at (312) 603-1830.

JOINT VENTURE FORMS

Prequalified contractors wishing to combine bidding capacity and bid items as joint ventures must submit the appropriate properly completed forms by 12 noon on the cut off date. 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 HIGHWAYS
Joint Venture Certificate of Explanation & Justification

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

Firm #1

Name: N-A

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 _____

N-A

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 received by the Department (address below) **no later than 4:30 PM prevailing time at least seven (7) days prior to the bid proposal submission date. Cook County Department of Highways, 69 West Washington Street Room 2200, Chicago, Illinois 60602.**

N-A

COOK COUNTY DEPARTMENT OF HIGHWAYS
Joint Venture Minimum Declaration of Work

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

Firm #1

Name: _____

Address: _____

Firm #2

Name: _____

Address: _____

Firm #3

Name: _____

Address: _____

Instructions:

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

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

N-A

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 received by the Department (address below) **no later than 4:30 PM prevailing time at least seven (7) days prior to the bid proposal submission date.** **Cook County Department of Highways, 69 West Washington Street Room 2200, Chicago, Illinois 60602**

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 10-28-11

Addendum No. 2
Dated 11-01-11

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.

THE BOARD OF COMMISSIONERS
TONI PRECKWINKLE, PRESIDENT

Earlean Collins	1st Dist.	Bridget Gainer	10th Dist.
Robert Steele	2nd Dist.	John P. Daley	11th Dist.
Jerry Butler	3rd Dist.	John A. Fritchey	12th Dist.
William M. Beavers	4th Dist.	Lawrence Suffredin	13th Dist.
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. Tobolski	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 THE CHIEF PROCUREMENT OFFICER
MARIA DE LOURDES COSS
CHIEF PROCUREMENT OFFICER

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

ADDENDUM No. 1

Quentin Road Improvement
Illinois Avenue to Northwest Highway
Section # 11-V6244-02-RS on Route No. V62

Contract Document 11-28-158

This Addendum No. 1 provides for time change for bid submissions.

Notice is hereby given that sealed proposals for the Quentin Road Improvement Project will be received at Room 1018, County Building, Chicago, Illinois until **Wednesday November 9, 2011 at 10:00 A.M., (LOCAL TIME)** and then publicly opened and read aloud.

Printed on Recycled Paper

THE BOARD OF COMMISSIONERS
TONI PRECKWINKLE, PRESIDENT

Earlean Collins	1st Dist.	Bridget Gainer	10th Dist.
Robert Steele	2nd Dist.	John P. Daley	11th Dist.
Jerry Butler	3rd Dist.	John A. Fritchey	12th Dist.
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COUNTY OF COOK
BUREAU OF FINANCE
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MARIA DE LOURDES COSS
CHIEF PROCUREMENT OFFICER

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

ADDENDUM No. 2

Quentin Road Improvement
Illinois Avenue to Northwest Highway
Section # 11-V6244-02-RS on Route No. V62

Contract Document 11-28-158

November 1, 2011

To All Plan Holders

Enclosed for your information and use is a copy of an Addendum which consists of the following:

1. Replace page No. 258 with revised page No. 258R, Schedule of Prices, in the Contract Documents. This reflects the correct nomenclature of a pay item for **Polymerized Leveling Binder, (Machine Method), IL-4.75, N50.**

2. Replace Sheet No. 2 with revised Sheet No. 2R, Summary of Quantities, in the Bidding Plans (Drawings). This reflects the correct nomenclature of a pay item for **Polymerized Leveling Binder, (Machine Method), IL-4.75, N50.**

This revision may be viewed and downloaded from the Office of the Chief Procurement Officer at http://legacy.cookcountygov.com/purchasing/public/index.php.

The Addendum forms a part of the Bidding Plans and Contract Documents and modifies the original Documents for **Quentin Road – Illinois Avenue to Northwest Highway, Section: 11-V6244-02-RS**. Please acknowledge receipt of previously issue Addendum No. 1 for bid submission time change to 10am on November 9, 2011 and this Addendum No. 2 in the space provided in the bid form (Execution Page). Failure to do so may subject the Bidder to disqualification.

Printed on Recycled Paper

Project: QUENTIN ROAD
ILLINOIS AVENUE TO NORTHWEST HIGHWAY
Section No.: 11-V6244-02-RS

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
1	21,115	FOOT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	$ -	$ -
2	21,420	FOOT	COMBINATION CURB AND GUTTER REMOVAL		
3	1,673	SQ.YD.	CLASS C PATCHES, TYPE I, 10 IN		
4	6,692	SQ.YD.	CLASS C PATCHES, TYPE II, 10 IN		
5	6,692	SQ.YD.	CLASS C PATCHES, TYPE III, 10 IN		
6	1,673	SQ.YD.	CLASS C PATCHES, TYPE IV, 10 IN		
7	4,700	SQ.YD.	SUBBASE GRANULAR MATERIAL, TYPE B, 6 IN		
8	49,150	SQ.FT.	MEDIAN REMOVAL PARTIAL DEPTH		
9	1,120	CU.YD.	EARTH EXCAVATION		
10	200	SQ.YD.	P.C. CONCRETE BASE COURSE, 10 IN		
11	300	SQ.YD.	P.C. CONCRETE DRIVEWAY PAVEMENT, 8 IN		
12	9,270	TON	POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, MIX "E", IL-12.5 OR 9.5, N90		
13	3,090	TON	POLYMERIZED LEVELING BINDER, (MACHINE METHOD), IL-4.75, N50		
14	6,429	GALLON	BITUMINOUS MATERIAL (PRIME COAT)		
15	129	TON	AGGREGATE PRIME COAT		
16	2,346	SQ.YD.	PROTECTIVE COAT		
17	25	SQ.YD.	AGGREGATE BASE COURSE, TYPE B, 4 IN		
18	25	SQ.YD.	AGGREGATE BASE COURSE, TYPE B, 8 IN		
19	60	SQ.YD.	AGGREGATE BASE COURSE, TYPE B, 10 IN		
20	1,673	SQ.YD.	PAVEMENT FABRIC		
21	200	SQ.FT.	P.C. CONCRETE SIDEWALK, 5 IN		
22	200	SQ.FT.	SIDEWALK REMOVAL		
23	25	SQ.FT.	DETECTABLE WARNINGS		
24	10,000	FOOT	CRACK AND JOINT ROUTING AND SEALING		
25	9,400	SQ.YD.	SODDING, SALT TOLERANT		
26	9,400	SQ.YD.	TOPSOIL FURNISH AND PLACE, 4 IN		
27	120	POUND	POTASSIUM FERTILIZER NUTRIENT		
28	120	POUND	NITROGEN FERTILIZER NUTRIENT		
29	120	POUND	PHOSPOROUS FERTILIZER NUTRIENT		
30	28	UNIT	SUPPLEMENTAL WATERING		

(CONTINUED ON NEXT PAGE)

COUNTY HIGHWAY	FISCAL YEAR	SHEET NUMBER	TOTAL SHEETS
V42	209	29	43
SECTION	11-V6244-02-FR		

ITEM NO.	QUANTITY	UNIT	PAY ITEM
1	21,115	FOOT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
2	21,620	FOOT	COMBINATION CURB AND GUTTER REMOVAL
3	1,673	SQ.YD.	CLASS C PATCHES, TYPE I, 10 IN
4	6,692	SQ.YD.	CLASS C PATCHES, TYPE II, 10 IN
5	6,692	SQ.YD.	CLASS C PATCHES, TYPE III, 10 IN
6	1,673	SQ.YD.	CLASS C PATCHES, TYPE IV, 10 IN
7	4,700	SQ.YD.	SUBBASE GRANULAR MATERIAL, TYPE B, (6 IN
8	49,350	SQ.FT.	MEDIAN REMOVAL PARTIAL DEPTH
9	1,120	CU.YD.	EARTH EXCAVATION
10	200	SQ.YD.	P.C. CONCRETE BASE COURSE, 10 IN
11	300	SQ.YD.	P.C. CONCRETE DRIVEWAY PAVEMENT, 8 IN
12	9,270	TON	POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, MIX "E", IL-12.5 OR 9.5, N90
13	3,090	TON	POLYMERIZED LEVELING BINDER, (MACHINE METHOD), IL-4.75, N50
14	6,429	GALLON	BITUMINOUS MATERIAL (PRIME COAT)
15	129	TON	AGGREGATE PRIME COAT
16	2,346	SQ.YD.	PROTECTIVE COAT
17	25	SQ.YD.	AGGREGATE BASE COURSE, TYPE B, 4 IN
18	25	SQ.YD.	AGGREGATE BASE COURSE, TYPE B, 8 IN
19	60	SQ.YD.	AGGREGATE BASE COURSE, TYPE B, 10 IN
20	1,673	SQ.YD.	PAVEMENT FABRIC
21	200	SQ.FT.	P. C. CONCRETE SIDEWALK, 5 IN
22	200	SQ.FT.	SIDEWALK REMOVAL
23	25	SQ.FT.	DETECTABLE WARNINGS
24	10,000	FOOT	CRACK AND JOINT ROUTING AND SEALING
25	9,400	SQ.YD.	SODDING, SALT TOLERANT
26	9,400	SQ.YD.	TOPSOIL FURNISH AND PLACE, 4 IN
27	120	POUND	POTASSIUM FERTILIZER NUTRIENT
28	120	POUND	NITROGEN FERTILIZER NUTRIENT
29	120	POUND	PHOSPHORUS FERTILIZER NUTRIENT
30	28	UNIT	SUPPLEMENTAL WATERING
31	8	CAL. MO.	ENGINEER'S FIELD OFFICE, TYPE A
32	75,000	UNIT	CONTRACT EXTRA WORK
33	1	LUMP SUM	RAILROAD PROTECTIVE LIABILITY INSURANCE
34	1	LUMP SUM	TRAFFIC PROTECTION
35	5	EACH	FRAMES AND GRATES, TYPE 23V
36	5	EACH	FRAMES AND GRATES, TYPE 24V
37	5	EACH	FRAMES AND LIDS, TYPE 1 (CLOSED)
38	5	EACH	FRAMES AND LIDS, TYPE 1 (OPEN)
39	5	EACH	LIDS, TYPE 1 (CLOSED)
40	5	EACH	LIDS, TYPE 1 (OPEN)
41	5	EACH	GRATES, TYPE 23V
42	5	EACH	GRATES, TYPE 24V
43	2	EACH	GRATES, TYPE 8
44	4,000	SQ.YD.	EROSION CONTROL BLANKET
45	200	FOOT	GRADING AND SHAPING DITCHES
46	220	EACH	INLET FILTER
47	10	EACH	INLET FILTER CLEANING
48	3	EACH	INLETS TO BE ADJUSTED WITH NEW FRAME AND GRATE, TYPE 23V
49	2	EACH	INLETS TO BE ADJUSTED WITH NEW FRAME AND GRATE, TYPE 24V
50	26	EACH	MANHOLES TO BE ADJUSTED
51	4	EACH	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID
52	5	EACH	SANITARY MANHOLES TO BE ADJUSTED
53	6	EACH	VALVE VAULTS TO BE ADJUSTED
54	53	EACH	CATCH BASIN TO BE ADJUSTED
55	3	EACH	CATCH BASIN TO BE ADJUSTED WITH NEW FRAME AND GRATE, TYPE 23V
56	120	EACH	CATCH BASIN TO BE ADJUSTED WITH NEW FRAME AND GRATE, TYPE 24V
57	300	SQ.YD.	PAVEMENT REPLACEMENT
58	100	FOOT	CLEANING EXISTING PIPE CULVERTS, 24 IN
59	90	FOOT	CLEANING EXISTING PIPE CULVERTS, 30 IN
60	1	EACH	FILLING EXISTING CATCH BASINS
61	1	EACH	FIRE HYDRANTS VERTICAL ADJUSTMENT (24 IN. OR LESS)
62	50	FOOT	EXPLORATION TRENCH (52 IN. DEPTH)
63	2	EACH	CATCH BASINS TYPE A2, 4 FT. DIA. WITH FRAMES AND GRATES, TYPE 24V
64	100	FOOT	STORM SEWERS, TYPE 1 (RCEP CLASS IV) 12 IN.
65	10	CU.YD.	TRENCH BACKFILL
66	1	EACH	FULL-ACTUATED CONTROLLER AND TYPE V CABINET
67	2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
68	2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
69	13	EACH	RELOCATE EXISTING SIGNAL HEAD
70	2	EACH	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD
71	2	EACH	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON
72	2	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
73	5	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT
74	2	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT

ITEM NO.	QUANTITY	UNIT	PAY ITEM
75	1	EACH	SERVICE INSTALLATION, POLE MOUNTED
76	1	EACH	HANDHOLE
77	2	EACH	HEAVY-DUTY HANDHOLE
78	11	EACH	INDUCTIVE LOOP DETECTOR
79	27	FOOT	CONCRETE FOUNDATION, TYPE E - 30 IN DIA
80	2,250	FOOT	DETECTOR LOOP, TYPE I
81	140	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
82	210	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
83	290	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
84	610	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
85	620	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
86	250	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD IN, NO. 14 1 PAIR
87	510	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C (GREEN)
88	70	FOOT	ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED
89	30	FOOT	CONDUIT IN TRENCH, 2 1/2 IN DIA, GALVANIZED STEEL
90	70	FOOT	CONDUIT PUSHED, 2 IN DIA, GALVANIZED STEEL
91	30	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
92	1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT
93	1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT
94	1	EACH	UNINTERRUPTIBLE POWER SUPPLY
95	4	EACH	DRILL EXISTING HANDHOLE
96	6	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER
97	4	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
98	20	EACH	REBUILD EXISTING HANDHOLE
99	9	EACH	REBUILD EXISTING HEAVY-DUTY HANDHOLE
100	6	EACH	REBUILD EXISTING DOUBLE HANDHOLE
101	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
102	2	EACH	REMOVE EXISTING CONCRETE FOUNDATION
103	1,200	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
104	1	EACH	REMOVE EXISTING HANDHOLE
105	34,000	FOOT	PAVEMENT MARKING TAPE, TYPE III, LINE 4 IN
106	27,300	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 4 IN
107	3,700	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 6 IN
108	900	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 8 IN
109	3,100	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 12 IN
110	700	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 24 IN
111	1,900	SQ.FT.	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
112	290	EACH	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
113	290	EACH	RAISED REFLECTIVE PAVEMENT MARKER
114	260	SQ.FT.	SIGN PANEL, TYPE I
115	590	FOOT	METAL POST - TYPE B
116	16	CAL. MO.	CHANGEABLE MESSAGE SIGN
117	500	SQ.YD.	CLASS B PATCHES, TYPE II, 10 IN
118	12,500	FOOT	CRACK ROUTING AND SEALING
119	2	EACH	SURVEY MONUMENT
120	1	EACH	CONSTRUCTING TEST STRIP
121	36	TON	MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS
122	300	SQ. YD.	HOT-MIX ASPHALT DRIVEWAY SURFACE REMOVAL
123	9	TON	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", IL-12.5 OR 9.5, N50
124	300	SQ. YD.	DRIVEWAY PAVEMENT REMOVAL
125	300	FOOT	CUTTING HOT MIX ASPHALT SURFACE

MAINTENANCE OF TRAFFIC NOTES

1. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE DEPARTMENTS INTENT TO KEEP THE ROADWAY OPEN FOR ALL TRAFFIC AT ALL TIMES, EXCEPT DURING CONSTRUCTION OPERATIONS. DURING CONSTRUCTION OPERATIONS, ONLY ONE LANE IN EACH DIRECTION SHALL BE ALLOWED TO CLOSE FOR TRAFFIC. ANY SHORT-TERM CONSTRUCTION ACTIVITY THAT REQUIRES ENCROACHMENT ON THE LANES 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 PAVEMENT PATCHING OPERATIONS, THE CONTRACTOR IS DIRECTED TO STAGE WORK SUCH THAT CONSTRUCTION OCCURS ON EITHER THE OUTSIDE LANES OR THE INSIDE LANES IN EACH DIRECTION. ALL PATCHING WORK IN ONE STAGE MUST BE COMPLETED PRIOR TO START OF PATCHING WORK IN SUBSEQUENT STAGE.
3. ALL INTERSECTING STREETS SHALL BE KEPT OPEN TO TRAFFIC, AS DIRECTED BY THE RESIDENT ENGINEER.
4. DURING CONSTRUCTION, TEMPORARY PAVEMENT MARKINGS SHALL BE CONSIDERED AS INCIDENTAL TO THE COST OF THE PAY ITEM "TRAFFIC PROTECTION". TEMPORARY PAVEMENT MARKINGS ON TEMPORARY PAVEMENT SURFACES OR ON PAVEMENT SURFACES THAT WILL BE PATCHED OR DIAMOND GRINDING 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 CONSTRUCTED AS PART OF THIS CONTRACT MUST BE TAPE.
5. 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.
6. THE CONTRACTOR SHALL NOTIFY THE COOK COUNTY TRAFFIC OPERATIONS DIVISION AT (847) 827-7824 OR (312) 603-1640, 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 MARKING IS APPLIED.
7. THE PERMANENT PAVEMENT MARKING SHALL BE APPLIED TO THE FINAL FINISHED SURFACE ONLY AFTER COMPLETION OF ALL PAVEMENT WORK UNDER THE IMPROVEMENT.
8. THE CHANGEABLE MESSAGE SIGNS SHALL BE ERECTED IN ADVANCE OF THE PROJECT LIMITS ALONG QUENTIN ROAD.
9. DURING CONSTRUCTION, EXCLUSIVE TURN LANES AT SIGNALIZED INTERSECTIONS SHALL BE KEPT OPEN.

SUMMARY OF QUANTITIES
MAINTENANCE OF TRAFFIC NOTES

COUNTY OF COOK
DEPARTMENT OF HIGHWAYS

QUENTIN ROAD
ILLINOIS AVENUE TO NORTHWEST HIGHWAY

COMPUTED TMP
DRAWN TMP
CHECKED DS

APPROVED _____ DATE
CHIEF ENGINEER OF DESIGN

SPECIAL PROVISION
FOR
PROMPT PAY MECHANISMS

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

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

This contract is subject to the following payment obligations:

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

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

SPECIAL PROVISION
FOR
CONTRACT CLAIMS

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

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

"All claims shall be submitted to the Engineer."

Revise subparagraph (e) of this Article to read:

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

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

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

SPECIAL PROVISION

FOR

PRE-CONSTRUCTION CONFERENCE

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

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

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

SPECIAL PROVISION
FOR
CONTRACT EXTRA WORK

Description: This work shall consist of various items which may be required to be performed by the contractor, the scope of which cannot be determined at the time of submittal of the proposal.

Work to be performed under this item shall be as directed by the Engineer.

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 for under Contract Extra Work. Following contract changes reflecting payment for the Contract Extra Work under a new pay item, the corresponding dollar value will be deleted from this item. At project closeout, the item for Contract Extra Work will be removed.

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

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

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

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

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

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

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

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

09-0-36

ORDINANCE

Sponsored by

THE HONORABLE TODD H. STROGER, PRESIDENT

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

COUNTY COMMISSIONERS

Co-Sponsored by

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

JOSEPH MARIO MORENO, DEBORAH SIMS, ROBERT B. STEELE

AND LARRY SUFFREDIN, COUNTY COMMISSIONERS

COOK COUNTY GREEN CONSTRUCTION ORDINANCE

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

ARTICLE IX. GREEN CONSTRUCTION

Sec. 30-950. Board of Commissioners findings.

a) Diesel exhaust particle pollution poses a clear and present health risk to the people of Cook County. The United States Environmental Protection Agency has classified diesel exhaust as a likely human carcinogen, and has identified diesel particulate matter and diesel exhaust organic gases as toxic air pollutants. Diesel exhaust is also a prime contributor to airborne fine particle pollution that is linked to premature death and other serious cardiovascular and pulmonary problems such as heart attacks, abnormal heart rhythms, atherosclerosis, stroke, asthma attacks, permanent respiratory damage and retardation of lung growth in children.

b) Cook County is a USEPA designated non-attainment area for fine particulate matter pollution.

c) The health impacts from diesel emissions particularly affect children, the elderly, and people with weakened immune systems.

d) Particularly high concentrations of diesel emissions often occur in heavily traveled transportation corridors, intermodal yards, bus depots, and construction sites; these diesel "hot spots" often are found in densely populated, urban areas, disproportionately impacting ethnic minorities and people of lower economic status.

e) Diesel engine crankcases also are a source of emissions that can seep into the cabin and expose vehicle drivers and passengers to harmful diesel emissions.

f) Diesel exhaust also contains black carbon emissions, which contribute to global climate change.

g) Reduction of diesel emissions can help address these human health and environmental problems.

h) The United States Environmental Protection Agency has enacted requirements over the past few 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 shall be processed in accordance with Article 109.04 of the Standard Specifications and the following additional procedures:

1) Contractor shall invoice the County for such Extra Work in accordance with the lump sum price, unit price, or force account as agreed to by the Engineer and Contractor.

2) Force account billing for equipment expense shall follow the applicable volume of the Equipment Watch Rental Rate Blue Book (Blue Book). Determination of equipment rates shall follow the IDOT Construction Memorandum 07-09. Also, a copy of the Blue Book calculation for each piece of equipment shall be included with the force account billing.

3) Contractor shall submit invoice for such Extra Work after the Extra Work has been fully completed by Contractor within sixty (60) days of completion of the work.

4) The Engineer shall review the Contractor's invoice and approve or disapprove the invoice within sixty (60) days after receipt of the invoice.

5) If the Engineer disapproves the invoice, the Engineer shall give Contractor notice of the reasons for such disapproval and the Contractor shall resubmit a corrected invoice for the Engineer's review. The County shall have an additional thirty (30) days to review and approve or disapprove the corrected invoice.

6) Once the Engineer approves the invoice, the Engineer shall notify the Contractor of such approval and shall present a recommendation for change in plan to the Cook County Board of Commissioners. The Engineer may make interim payment for the approved invoice under the Contract Extra Work item prior to Cook County Board of Commissioners' approval of the change in plan.

7) Within thirty (30) days after the Cook County Board of Commissioners' approves the recommendation for change in plan, the Engineer shall present the invoice to the Cook County Board of Commissioners for payment authorization of invoice specific item of work (the New item), and shall delete the corresponding invoice amount from the item for Contract Extra Work.

8) A County warrant shall be issued to the Contractor after the Cook County Board of Commissioners authorizes payment of the invoice.

SPECIAL PROVISION
FOR
ENGINEER'S FIELD OFFICE

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

670.01 Description. Add the following paragraph:

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

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

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

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

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

(p) One digital camera with 7 megapixel minimum resolution, batteries to operate camera and digital camera case.

(q) An upright or new shop vacuum with a Hepa-Filter and any miscellaneous cleaning supplies necessary for the Engineer to maintain the Field Office. A weekly cleaning service will be an acceptable alternative.

(r) The following suggested office and field supplies shall be furnished to the Engineer prior to the commencement of the project. The Contractor must coordinate with the Resident Engineer prior to purchase.

OFFICE :

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

Paper Clips, No. 1, Regular, Box of 100	2 Each
Paper, Quadrille Pad, 8 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

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

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

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

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

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

SPECIAL PROVISION
FOR
CONSTRUCTION DEBRIS

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

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

SPECIAL PROVISION
FOR
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
CEMENT

1001.01 Cement Types. Cement shall be according to the following.

1) Portland Cement. Acceptance of portland cement shall be according to the current Bureau of Materials and Physical Research's Policy Memorandum, "Portland or Blended Cement Acceptance Procedure for Qualified and Non-Qualified Plants".

   Portland cement shall be according to AASHTO M 85, and shall meet the standard physical and chemical requirements. The Contractor has the option to use any type of portland cement listed in AASHTO M 85 unless a specific cement is specified for a construction item. Inorganic processing additions shall be limited to granulated blast-furnace slag according to the chemical requirements of AASHTO M 302, Class C or F fly ash according to the chemical requirements of AASHTO M 295, and cement kiln dust.

2) Portland-Pozzolan Cement. Acceptance of portland-pozzolan cement shall be according to the current Bureau of Materials and Physical Research's Policy Memorandum, "Portland or Blended Cement Acceptance Procedure for Qualified and Non-Qualified Plants".

   Portland-pozzolan cement shall be according to AASHTO M 240 and shall meet the standard physical and chemical requirements. The Contractor has the option to use portland-pozzolan cement unless a specific cement is specified for a construction item. Inorganic processing additions shall be limited to granulated blast-furnace slag according to the chemical requirements of AASHTO M 302, Class C or F fly ash according to the chemical requirements of AASHTO M 295, and cement kiln dust. The pozzolan constituent of Type IP using Class F fly ash shall be a maximum of 25 percent of the weight (mass) of the portland-pozzolan cement. The pozzolan constituent for Type IP using Class C fly ash shall be a maximum of 30 per cent of the weight (mass) of the portland-pozzolan cement. The pozzolan constituent of Type IP using microsilica or high-reactivity metakaolin shall be a maximum of ten per cent. The pozzolan constituent for Type IP using other materials shall have the approval of the Engineer.

3) Portland Blast-Furnace Slag Cement. Acceptance of portland blast-furnace slag cement shall be according to the current Bureau of Materials and Physical Research's Policy Memorandum, "Portland or Blended Cement Acceptance Procedure for Qualified and Non-Qualified Plants".

   Portland blast-furnace slag cement shall be according to AASHTO M 240 and shall meet the standard physical and chemical requirements. The Contractor has the option to use portland blast-furnace slag cement unless a specific cement is specified for a construction item. Inorganic processing additions shall be limited to granulated blast-furnace slag according to the chemical requirements of AASHTO M 302, Class C or F fly ash according to the chemical requirements of AASHTO M 295, and cement kiln dust. The blast-furnace slag constituent for Type IS shall be a maximum of 35 percent of the weight (mass) of the portland blast-furnace slag cement.

Portland blast-furnace slag cement may be used in concrete mixtures when the air temperature is below 40 °F (4 °C), but the Engineer may request a trial batch of the concrete mixture to show the mix design strength requirements will be met.

4) Rapid Hardening Cement. Rapid hardening cement shall be used according to Article 1020.04 or when approved by the Engineer. The cement shall be on the I.D.O.T. current "Approved List of Packaged, Dry, Rapid Hardening Cementitious Materials for Concrete Repairs", and shall be according to the following.

   a) The cement shall have a maximum final set of 25 minutes, according to Illinois Modified AASHTO T 131.

   b) The cement shall have a minimum compressive strength of 2000 psi (13,800 kPa) at 3.0 hours, 3200 psi (22,100 kPa) at 6.0 hours and 4000 psi (27,600 kPa) at 24.0 hours, according to Illinois Modified AASHTO T 106.

   c) The cement shall have a maximum drying shrinkage of 0.050 percent at seven days, according to Illinois Modified ASTM C 596.

   d) The cement shall have a maximum expansion of 0.020 percent at 14 days, according to Illinois Modified ASTM C 1038.

   e) The cement shall have a minimum 80 percent relative dynamic modulus of elasticity; and shall not have a weight (mass) gain in excess of 0.15 percent or a weight (mass) loss in excess of 1.0 percent, after 100 cycles, according to Illinois Modified AASHTO T 161, Procedure B.

5) Calcium Aluminate Cement. Calcium aluminate cement shall be used according to Article 1020.04 or when specified by the Engineer. The cement shall meet the standard physical requirements for Type I cement according to AASHTO M 85, except the time of setting shall not apply. The chemical requirements shall be determined according to AASHTO T 105 and shall be as follows: minimum 38 percent aluminum oxide (Al_2O_3), maximum 42 percent calcium oxide (CaO), maximum 1 percent magnesium oxide (MgO), maximum 0.4 percent sulfur trioxide (SO_3), maximum 1 percent loss on ignition, and maximum 3.5 percent insoluble residue.

1001.02 Uniformity of Color. Cement contained in single loads or in shipments of several loads to the same project shall not have visible differences in color.

1001.03 Mixing Brands and Types. Different brands or different types of cement from the same manufacturing plant, or the same brand or type from different plants shall not be mixed or used alternately in the same item of construction unless approved by the Engineer.

1001.04 Storage. Cement shall be stored and protected against damage, such as dampness which may cause partial set or hardened lumps. Different brands or different types of cement from the same manufacturing plant, or the same brand or type from different plants shall be kept separate."

SPECIAL PROVISION
FOR
QUALITY CONTROL/QUALITY ASSURANCE OF CONCRETE MIXTURES

Description. This special provision specifies the quality control responsibilities of the Contractor, for portland cement concrete mixtures, cement aggregate mixture II, and controlled low-strength material incorporated in the project, and defines the quality assurance and acceptance responsibilities of the Engineer.

A list of quality control/quality assurance (QC/QA) documents is provided in Schedule D.

Equipment/Laboratory. The Contractor shall provide a laboratory and test equipment to perform their quality control testing.

The laboratory shall be of sufficient size and be furnished with the necessary equipment, supplies, and current published test methods for adequately and safely performing all required tests. The laboratory will be approved by the Engineer at the beginning of each construction season or each 12 month period. Production of a mixture shall not begin until the Engineer provides written approval of the laboratory. The Contractor shall refer to the Department's "Required Sampling and Testing Equipment for Concrete" for equipment requirements.

Test equipment shall be maintained and calibrated as required by the appropriate test method, and when required by the Engineer. This information shall be documented on the Department's "Calibration of Concrete Testing Equipment" form.

Test equipment used to determine compressive or flexural strength shall be calibrated each 12 month period by an independent agency, using calibration equipment traceable to the National Institute of Standards and Technology (NIST). The Contractor shall have the calibration documentation available at the test equipment location.

The Engineer will have unrestricted access to the plant and laboratory at any time to inspect measuring and testing equipment, and will notify the Contractor of any deficiencies. Defective equipment shall be immediately repaired or replaced by the Contractor.

Plant/Delivery Trucks. The concrete plant and delivery trucks shall be approved according to the Department's Policy Memorandum "Approval of Concrete Plants and Delivery Trucks."

Quality Control Plan. The Contractor shall submit, in writing, a proposed Quality Control (QC) Plan to the Engineer. The QC Plan shall be submitted a minimum of 45 calendar days prior to the production of a mixture. The QC Plan shall address the quality control of the concrete, cement aggregate mixture II, and controlled low-strength material incorporated in the project. The Contractor shall refer to the Department's "Model Quality Control Plan for Concrete Production" to prepare a QC Plan. The Engineer will respond in writing to the Contractor's proposed QC Plan within 15 calendar days of receipt.

Production of a mixture shall not begin until the Engineer provides written approval of the QC Plan. The approved QC Plan shall become a part of the contract between the Department and the Contractor, but shall not be construed as acceptance of any mixture produced.

The QC Plan may be amended during the progress of the work, by either party, subject to mutual agreement. The Engineer will respond in writing to a Contractor's proposed QC Plan amendment within 15 calendar days of receipt. The response will indicate the approval or denial of the Contractor's proposed QC Plan amendment.

Mix Design Requirements. A Level III PCC Technician shall be required to develop Contractor mix designs for concrete, cement aggregate mixture II, and controlled low-strength material. The mix design, submittal information, and Engineer verification shall be according to the "Portland Cement Concrete Level III Technician" course manual.

The Contractor shall provide the concrete, cement aggregate mixture II, and controlled low-strength material mix designs to the Engineer, a minimum of 45 calendar days prior to production. The mix design shall meet all the criteria specified in the contract. More than one mix design may be submitted for each class or type used.

The Contractor may provide a mix design previously developed by the Engineer. The Engineer will verify the mix design if the Department's historical test data shows compliance with specification requirements. This would also apply to a mix design previously developed by the Contractor.

Verification of a concrete, cement aggregate mixture II, or controlled low-strength material mix design shall in no manner be construed as acceptance of any mixture produced. The Engineer shall be notified in writing of any proposed changes, subsequent to verification of a mix design.

Tests performed at the jobsite will determine if a concrete, cement aggregate mixture II, or controlled low-strength material mix design can meet specifications. The Contractor shall make adjustments to a mix design, or submit a new mix design if necessary, to comply with the specifications.

Quality Control by Contractor. The Contractor shall perform quality control inspection, sampling, testing, and documentation to meet contract requirements. Quality control includes the recognition of obvious defects and their immediate correction. Quality control also includes appropriate action when passing test results are near specification limits, or to resolve test result differences with the Engineer. Quality control may require increased testing, communication of test results to the plant or the jobsite, modification of operations, suspension of mixture production, rejection of material, or other actions as appropriate. The Engineer shall be immediately notified of any failing tests and subsequent remedial action. Passing tests shall be reported no later than the start of the next work day.

When a mixture does not comply with specifications, the Contractor shall reject the material; unless the Engineer accepts the material for incorporation in the work, according to Article 105.03 of the Standard Specifications.

a) Personnel Requirements. The Contractor shall provide a Quality Control (QC) Manager who will have overall responsibility and authority for quality control. The jobsite and plant personnel shall be able to contact the QC Manager by cellular phone, two-way radio or other methods approved by the Engineer.

   The QC Manager shall visit the jobsite a minimum of once a week. A visit shall be performed the day of a bridge deck pour, the day a non-routine mixture is placed as determined by the Engineer,

or the day a plant is anticipated to produce more than 1000 cu yd (765 cu m). Any of the three required visits may be used to meet the once per week minimum requirement.

The Contractor shall provide personnel to perform the required inspections, sampling, testing and documentation in a timely manner. The Contractor shall refer to the Department's "Qualifications and Duties of Concrete Quality Control Personnel" document.

A Level I PCC Technician shall be provided at the jobsite during mixture production and placement, and may supervise concurrent pours on the project. For concurrent pours, a minimum of one Concrete Tester shall be required at each pour location. If the Level I PCC Technician is at one of the pour locations, a Concrete Tester is still required at the same location. Each Concrete Tester shall be able to contact the Level I PCC Technician by cellular phone, two-way radio or other methods approved by the Engineer. A single Level I PCC Technician shall not supervise concurrent pours for multiple contracts.

A Level II PCC Technician shall be provided at the plant, or shall be available, during mixture production and placement. A Level II PCC Technician may supervise a maximum of three plants. Whenever the Level II PCC Technician is not at the plant during mixture production and placement, a Concrete Tester or Level I PCC Technician shall be present at the plant to perform any necessary concrete tests. The Concrete Tester, Level I PCC Technician, or other individual shall also be trained to perform any necessary aggregate moisture tests, if the Level II PCC Technician is not at the plant during mixture production and placement. The Concrete Tester, Level I PCC Technician, plant personnel, and jobsite personnel shall have the ability to contact the Level II PCC Technician by cellular phone, two-way radio, or other methods approved by the Engineer.

For a mixture which is produced and placed with a mobile portland cement concrete plant as defined in Article 1103.04 of the Standard Specifications, a Level II PCC Technician shall be provided. The Level II PCC Technician shall be present at all times during mixture production and placement.

A Concrete Tester, Mixture Aggregate Technician, and Aggregate Technician may provide assistance with sampling and testing. A Gradation Technician may provide assistance with testing. A Concrete Tester shall be supervised by a Level I or Level II PCC Technician. A Gradation Technician shall be supervised by a Level II PCC Technician, Mixture Aggregate Technician, or Aggregate Technician.

b) Required Plant Tests. Sampling and testing shall be performed at the plant, or at a location approved by the Engineer, to control the production of a mixture. The required minimum Contractor plant sampling and testing is indicated in Schedule A.

c) Required Field Tests. Sampling and testing shall be performed at the jobsite to control the production of a mixture, and to comply with specifications for placement. For standard curing, after initial curing, and for strength testing; the location shall be approved by the Engineer. The required minimum Contractor jobsite sampling and testing is indicated in Schedule B.

Quality Assurance by Engineer. The Engineer will perform quality assurance tests on independent samples and split samples. An independent sample is a field sample obtained and tested by only one party. A split sample is one of two equal portions of a field sample, where two parties each receive one

portion for testing. The Engineer may request the Contractor to obtain a split sample. Aggregate split samples and any failing strength specimen shall be retained until permission is given by the Engineer for disposal. The results of all quality assurance tests by the Engineer will be made available to the Contractor. However, Contractor split sample test results shall be provided to the Engineer before Department test results are revealed. The Engineer's quality assurance independent sample and split sample testing is indicated in Schedule C.

a) Strength Testing. For strength testing, Article 1020.09 of the Standard Specifications shall apply, except the Contractor and Engineer beam strength specimens may be cured in the same tank.

b) Comparing Test Results. Differences between the Engineer's and the Contractor's split sample test results will not be considered extreme if within the following limits:

Test Parameter	Acceptable Limits of Precision
Slump	0.75 in. (20 mm)
Air Content	0.9%
Compressive Strength	900 psi (6200 kPa)
Flexural Strength	90 psi (620 kPa)
Aggregate Gradation	See "Guideline for Sample Comparison" in Appendix "A" of the Manual of Test Procedures for Materials.

When acceptable limits of precision have been met, but only one party is within specification limits, the failing test shall be resolved before the material may be considered for acceptance.

c) Test Results and Specification Limits.

(1) Split Sample Testing. If either the Engineer's or the Contractor's split sample test result is not within specification limits, and the other party is within specification limits; immediate retests on a split sample shall be performed for slump, air content, or aggregate gradation. A passing retest result by each party will require no further action. If either the Engineer's or Contractor's slump, air content, or aggregate gradation split sample retest result is a failure; or if either the Engineer's or Contractor's strength test result is a failure, and the other party is within specification limits; the following actions shall be initiated to investigate the test failure:

(a) The Engineer and the Contractor shall investigate the sampling method, test procedure, equipment condition, equipment calibration, and other factors.

(b) The Engineer or the Contractor shall replace test equipment, as determined by the Engineer.

(c) The Engineer and the Contractor shall perform additional testing on split samples, as determined by the Engineer.

For aggregate gradation, jobsite slump, and jobsite air content; if the failing split sample test result is not resolved according to a., b., or c., and the mixture has not been placed, the Contractor shall reject the material; unless the Engineer accepts the material for incorporation in the work according to Article 105.03 of the Standard Specifications. If the mixture has already been placed, or if a failing strength test result is not resolved according to a., b., or c., the material will be considered unacceptable.

If a continued trend of difference exists between the Engineer's and the Contractor's split sample test results, or if split sample test results exceed the acceptable limits of precision, the Engineer and the Contractor shall investigate according to items a., b., and c.

(2) (Independent Sample Testing. For aggregate gradation, jobsite slump, and jobsite air content; if the result of a quality assurance test on a sample independently obtained by the Engineer is not within specification limits, and the mixture has not been placed, the Contractor shall reject the material, unless the Engineer accepts the material for incorporation in the work according to Article 105.03 of the Standard Specifications. If the mixture has already been placed or the Engineer obtains a failing strength test result, the material will be considered unacceptable.

Acceptance by the Engineer. Final acceptance will be based on the Standard Specifications and the following:

a) The Contractor's compliance with all contract documents for quality control.

b) Validation of Contractor quality control test results by comparison with the Engineer's quality assurance test results using split samples. Any quality control or quality assurance test determined to be flawed may be declared invalid only when reviewed and approved by the Engineer. The Engineer will declare a test result invalid only if it is proven that improper sampling or testing occurred. The test result is to be recorded and the reason for declaring the test invalid will be provided by the Engineer.

c) Comparison of the Engineer's quality assurance test results with specification limits using samples independently obtained by the Engineer.

The Engineer may suspend mixture production, reject materials, or take other appropriate action if the Contractor does not control the quality of concrete, cement aggregate mixture II, or controlled low-strength material for acceptance. The decision will be determined according to (a), (b), or (c).

Documentation.

a) Records. The Contractor shall be responsible for documenting all observations, inspections, adjustments to the mix design, test results, retest results, and corrective actions in a bound hardback field book, bound hardback diary, or appropriate Department form, which shall become the property of the Department. The documentation shall include a method to compare the Engineer's test results with the Contractor's results. The Contractor shall be responsible for the maintenance of all permanent records whether obtained by the Contractor, the consultants, the

subcontractors, or the producer of the mixture. The Contractor shall provide the Engineer full access to all documentation throughout the progress of the work.

The Department's form MI 504M, form BMPR MI 654, and form BMPR MI 655 shall be completed by the Contractor, and shall be submitted to the Engineer weekly or as required by the Engineer. A correctly completed form MI 504M, form BMPR MI 654, and form BMPR MI 655 are required to authorize payment by the Engineer, for applicable pay items.

b) Delivery Truck Ticket. The following information shall be recorded on each delivery ticket or in a bound hardback field book: initial/final revolution counter reading, at the jobsite, if the mixture is truck-mixed; time discharged at the jobsite; total amount of each admixture added at the jobsite; and total amount of water added at the jobsite.

Basis of Payment. Quality Control/Quality Assurance of portland cement concrete mixtures will not be paid for separately, but shall be considered as included in the cost of the various concrete contract items.

SCHEDULE A

CONTRACTOR PLANT SAMPLING AND TESTING			
Item	Test	Frequency	IL Modified AASHTO, IL Modified ASTM, or Department Test Method 1/
Aggregates (Arriving at Plant)	Gradation 2/	As needed to check source for each gradation number	T 2, T 11, T 27, and T 248
Aggregates (Stored at Plant in Stockpiles or Bins)	Gradation 2/	2,500 cu yd (1,900 cu m) for each gradation number 3/	T 2, T 11, T 27, and T 248
Aggregates (Stored at Plant in Stockpiles or Bins)	Moisture 4/: Fine Aggregate	Once per week for moisture sensor, otherwise daily for each gradation number	Flask, Dunagan, Pychnometer Jar, or T 255
	Moisture 4/: Coarse Aggregate	As needed to control production for each gradation number	Dunagan, Pychnometer Jar, or T 255
Mixture 5/	Slump, Air Content, Unit Weight / Yield, and Temperature	As needed to control production	T 141 and T 119 T 141 and T 152 or T 196 T 141 and T 121 T 141 and T 309

1/ Refer to the Department's "Manual of Test Procedures for Materials".

2/ All gradation tests shall be washed. Testing shall be completed no later than 24 hours after the aggregate has been sampled.

3/ One per week (Sunday through Saturday) minimum unless the stockpile has not received additional aggregate material since the previous test.

One per day minimum for a bridge deck pour unless the stockpile has not received additional aggregate material since the previous test. The sample shall be taken and testing completed prior to the pour. The bridge deck aggregate sample may be taken the day before the pour or as approved by the Engineer.

4/ If the moisture test and moisture sensor disagree by more than 0.5 percent, retest. If the difference remains, adjust the moisture sensor to an average of two or more moisture tests, using the Dunagan or Illinois Modified AASHTO T 255 test method. The Department's "Water/Cement Ratio Worksheet" form shall be completed when applicable.

5/ The Contractor may also perform strength testing according to Illinois Modified AASHTO T 141, T 23, and T 22 or T 177; or water content testing according to Illinois Modified AASHTO T 318; or other tests at the plant to control mixture production.

SCHEDULE B

CONTRACTOR JOBSITE SAMPLING & TESTING 1/			
Item	Measured Property	Random Sample Testing Frequency per Mix Design and per Plant 2/	IL Modified AASHTO Test Method
Pavement, Shoulder, Base Course, Base Course Widening, Bridge Approach Pavement, Driveway Pavement, Railroad Crossing, Cement Aggregate Mixture II	Slump 3/ 4/	1 per 500 cu yd (400 cu m) or minimum 1/day	T 141 and T 119
	Air Content 3/ 5/ 6/	1 per 100 cu yd (80 cu m) or minimum 1/day	T 141 And T 152 or T 196
	Compressive Strength 7/ 8/ or Flexural Strength 7/ 8/	1 per 1250 cu yd (1000 cu m) or minimum 1/day	T 141, T 22 and T 23 Or T 141, T 177 and T 23
Bridge Deck 9/, Bridge Deck Overlay 9/, Superstructure	Slump 3/ 4/	1 per 50 cu yd (40 cu m) or minimum 1/day	T 141 and T 119

CONTRACTOR JOBSITE SAMPLING & TESTING [1/]			
[9/], Substructure, Culvert, Miscellaneous Drainage Structures, Retaining Wall, Building Wall, Drilled Shaft Pile & Encasement Footing, Foundation, Pavement Patching, Structural Repairs	Air Content [3/] [5/] [6/]	1 per 50 cu yd (40 cu m) or minimum 1/day	T 141 And T 152 or T 196
	Compressive Strength [7/] [8/] or Flexural Strength [7/] [8/]	1 per 250 cu yd (200 cu m) or minimum 1/day	T 141, T 22 and T 23 Or T 141, T 177 and T 23
Seal Coat	Slump	1 per 250 cu yd (200 cu m) or minimum 1/day	T 141 and T 119
	Compressive Strength [7/] [8/] or Flexural Strength [7/] [8/]	1 per 250 cu yd (200 cu m) or minimum 1/day	T 141, T 22 and T 23 Or T 141, T 177 and T 23

CONTRACTOR JOBSITE SAMPLING & TESTING 1/			
Curb, Gutter, Median, Barrier, Sidewalk, Slope Wall, Paved Ditch, Fabric Formed Concrete Revetment Mat 11/, Miscellaneous Items, Incidental Items	Slump 3/ 4/	1 per 100 cu yd (80 cu m) or minimum 1/day	T 141 and T 119
	Air Content 3/ 5/ 6/	1 per 50 cu yd (40 cu m) or minimum 1/day	T 141 And T 152 or T 196
	Compressive Strength 7/ 8/ or Flexural Strength 7/ 8/	1 per 400 cu yd (300 cu m) or minimum 1/day	T 141, T 22 and T 23 Or T 141, T 177 and T 23
All	Temperature 3/	As needed to control production	T 141 and T 309
Controlled Low-Strength Material (CLSM)	Air Content, Flow and Compressive Strength	As needed to control production	Test according to CLSM specification

1/ Sampling and testing of small quantities of curb, gutter, median, barrier, sidewalk, slope wall, paved ditch, miscellaneous items, and incidental items may be waived by the Engineer if requested by the Contractor. However, quality control personnel are still required according to "Quality Control by Contractor, (a) Personnel Requirements." The Contractor shall also provide recent evidence that similar material has been found to be satisfactory under normal sampling and testing procedures. The total quantity that may be waived for testing shall not exceed 100 cu yd (76 cu m) per contract.

2/ If one mix design is being used for several construction items during a day's production, one testing frequency may be selected to include all items. The construction items shall have the same slump, air content, and water/cement ratio specifications. The frequency selected shall equal or exceed the testing required for the construction item.

One sufficiently sized sample shall be taken to perform the required test(s). Random numbers shall be determined according to the Department's "Method for Obtaining Random Samples for Concrete". The Engineer will provide random sample locations.

3/ The temperature, slump, and air content tests shall be performed on the first truck load delivered, for each pour. Unless a random sample is required for the first truck load, testing the first truck load does not satisfy random sampling requirements.

4/ The slump random sample testing frequency shall be a minimum 1/day for a construction item which is slipformed.

5/ If a pump or conveyor is used for placement, a correction factor shall be established to allow for a loss of air content during transport. The first three truck loads delivered shall be tested, before and after transport by the pump or conveyor, to establish the correction factor. Once the correction is determined, it shall be re-checked after an additional 50 cu yd (40 cu m) is pumped, or an additional 100 cu yd (80 cu m) is conveyored. This shall continue throughout the pour. If the re-check indicates the correction factor has changed, a minimum of two truck loads is required to re-establish the correction factor. The correction factor shall also be re-established when significant changes in temperature, distance, pump or conveyor arrangement, and other factors have occurred. If the correction factor is 3.0 percent or more, the Contractor shall take corrective action to reduce the loss of air content during transport by the pump or conveyor. The Contractor shall record all air content test results, correction factors and corrected air contents. The corrected air content shall be reported on Form MI 654.

6/ If the Contractor's or Engineer's air content test result is within the specification limits, and 0.2 percent or closer to either limit, the next truck load delivered shall be tested by the Contractor. For example, if the specified air content range is 5.0 to 8.0 percent and the test result is 5.0, 5.1, 5.2, 7.8, 7.9 or 8.0 percent, the next truck shall be tested by the Contractor.

If the Contractor's or Engineer's air content or slump test result is not within the specification limits, all subsequent truck loads delivered shall be tested by the Contractor until the problem is corrected.

7/ The test of record for strength shall be the day indicated in the Standard Specifications. For cement aggregate mixture II, a strength requirement is not specified and testing is not required. Additional strength testing to determine early falsework and form removal, early pavement or bridge opening to traffic, or to monitor strengths is at the discretion of the Contractor. Strength shall be defined as the average of at least two cylinder or two beam breaks for field tests.

In some instances, such as Articles 503.05 and 503.06 of the Standard Specifications, only a flexural strength is specified. An equivalent compressive strength may be used if approved by the Engineer.

8/ In addition to the strength test, an air test, slump test, and temperature test shall be performed on the same sample. For mixtures pumped or conveyored, the Contractor has the option to sample at the discharge end.

9/ The air content test will be required for each delivered truck load.

10/ For seal coat, the slump test shall be performed as needed to control production.

11/ For fabric formed concrete revetment mat, the slump test is not required and the flexural strength test is not applicable.

SCHEDULE C

ENGINEER QUALITY ASSURANCE INDEPENDENT SAMPLE TESTING		
Location	Measured Property	Testing Frequency 1/
Plant	Gradation of aggregates stored in stockpiles or bins, Slump and Air Content	As determined by the Engineer.
Jobsite	Slump, Air Content and Strength	As determined by the Engineer.

ENGINEER QUALITY ASSURANCE SPLIT SAMPLE TESTING		
Location	Measured Property	Testing Frequency 1/
Plant	Gradation of aggregates stored in stockpiles or bins 2/	At the beginning of the project, the first test performed by the Contractor. Thereafter, a minimum of 10% of total tests required of the Contractor will be performed per aggregate gradation number and per plant.
	Slump and Air Content	As determined by the Engineer.
Jobsite	Slump 2/ and Air Content 2/ 3/	At the beginning of the project, the first three tests performed by the Contractor. Thereafter, a minimum of 10% of total tests required of the Contractor will be performed per plant, which will include a minimum of one test per mix design.
	Strength 2/	At the beginning of the project, the first test performed by the Contractor. Thereafter, a minimum of 10% of total tests required of the Contractor will be performed per plant, which will include a minimum of one test per mix design.

1/ The Engineer will perform the testing throughout the period of quality control testing by the Contractor.

2/ The Engineer will witness and take immediate possession of or otherwise secure the Department's split sample obtained by the Contractor.

3/ Before transport by pump or conveyor, a minimum of 20 percent of total tests required of the Contractor will be performed per mix design and per plant. After transport by pump or conveyor, a minimum of 20 percent of total tests required of the Contractor will be performed per mix design and per plant.

SCHEDULE D

IDOT CONCRETE QUALITY CONTROL AND QUALITY ASSURANCE DOCUMENTS

a) Model Quality Control Plan for Concrete Production (*)

b) Qualifications and Duties of Concrete Quality Control Personnel (*)

c) Development of Gradation Bands on Incoming Aggregate at Mix Plants (*)

d) Required Sampling and Testing Equipment for Concrete (*)

e) Method for Obtaining Random Samples for Concrete (*)

f) Calibration of Concrete Testing Equipment (BMPR PCCQ01 through BMPR PCCQ09) (*)

g) Water/Cement Ratio Worksheet (BMPR PCCW01) (*)

h) Field/Lab Gradations (MI 504 M) (*)

i) Concrete Air, Slump and Quantity (BMPR MI 654) (*)

j) P.C. Concrete Strengths (BMPR MI 655) (*)

k) Aggregate Technician Course or Mixture Aggregate Technician Course (*)

l) Portland Cement Concrete Tester Course (*)

m) Portland Cement Concrete Level I Technician Course - Manual of Instructions for Concrete Testing (*)

n) Portland Cement Concrete Level II Technician Course - Manual of Instructions for Concrete Proportioning (*)

o) Portland Cement Concrete Level III Technician Course - Manual of Instructions for Design of Concrete Mixtures (*)

p) Manual of Test Procedures for Materials

* Refer to the Manual of Test Procedures for Materials for more information.

SPECIAL PROVISION
FOR
DOWEL BARS

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

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

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

SPECIAL PROVISION
FOR
HOT-MIX ASPHALT - DENSITY TESTING OF LONGITUDINAL JOINTS

Description. This work shall consist of testing the density of longitudinal joints as part of the quality control / quality assurance (QC/QA) of hot-mix asphalt (HMA). This work shall be according to Section 1030 of the Standard Specifications except as follows.

Definitions.

Density Test Location: The station location used for density testing.

Density Test Site: Individual test site where a single density value is determined.

Density Reading: A single, one minute nuclear density reading.

1030.05(d) (3) add the following:

Longitudinal joint density testing shall be performed at each random "density test location". Longitudinal joint testing shall be located at a distance equal to the lift thickness, or a minimum of two inches, from each pavement edge. For Example, on a four inch HMA lift the near edge of the nuclear gauge or core barrel shall be within four inches from the edge of pavement. Documentation shall indicate whether the joint was confined or unconfined. The joint density value shall be determined using either a correlated nuclear gauge or cores.

a. Confined Edge: Each confined edge density shall be represented by a one-minute nuclear density reading or a core density and shall be included in the average of density readings or core densities taken across the mat which represents the individual test.

b. Unconfined Edge: Each unconfined edge joint density shall be represented by an average of three one-minute density readings or a single core density at the given density test location and shall meet the density requirements specified herein. The three one-minute readings shall be spaced ten feet apart longitudinally along the unconfined pavement edge and centered at the random density test location.

1030.05(d) (4) Replace the density control limits table with the following:

DENSITY CONTROL LIMITS			
Mixture Composition	Parameter	Individual Test 2/	Minimum Unconfined Test
IL-9.5, IL-12.5	Ndesign ≥ 90	92.0 – 96.0 %	90.0 %
IL-9.5, IL-9.5L, IL-12.5	Ndesign < 90	92.5 – 97.4 %	90.0 %
IL-19.0, IL-25.0	Ndesign ≥ 90	93.0 – 96.0 %	90.0 %

IL-19.0, IL-19.0L, IL-25.0	Ndesign < 90	93.0 – 97.4 %	90.0 %
SMA	Ndesign = 50 and 80	93.5 – 97.4 %	91.0 %
All Other	Ndesign = 30	93.0 1/ - 97.4 %	90.0 %

1/ 92.0 % when placed as first lift on an unimproved subgrade.

2/ "Density values" shall meet the "Individual Test" density control limits specified herein.

SPECIAL PROVISION
FOR
HOT-MIX ASPHALT – PLANT TEST FREQUENCY

Revise the table in Article 1030.05 (d)(2)a. of the Standard Specifications to read:

Effective: April 1, 2008
Revised: January 1, 2010

"Parameter	Frequency of Tests High ESAL Mixture Low ESAL Mixture	Frequency of Tests All Other Mixtures	Test Method See Manual of Test Procedures for Materials
Aggregate Gradation % passing sieves: 1/2 in. (12.5 mm), No. 4 (4.75 mm), No. 8 (2.36 mm), No. 30 (600 µm) No. 200 (75 µm) Note 1.	1 washed ignition oven test on the mix per day of production Note 4.	1 washed ignition oven test on the mix per day of production Note 4.	Illinois Procedure
Asphalt Binder Content by Ignition Oven Note 2.	1 per half day of production	1 per day	Illinois-Modified AASHTO T 308
VMA Note 3.	Day's production ≥ 1200 tons: 1 per half day of production	N/A	Illinois Modified AASHTO R 35
	Day's production < 1200 tons: 1 per half day of production for first 2 days and 1 per day thereafter (first sample of the day)		
Air Voids Bulk Specific Gravity of Gyratory Sample	Day's production ≥ 1200 tons: 1 per half day of production	1 per day	Illinois-Modified AASHTO T 312
	Day's production < 1200 tons: 1 per half day of production for first 2 days and 1 per day thereafter (first sample of the day)		

"Parameter	Frequency of Tests High ESAL Mixture Low ESAL Mixture	Frequency of Tests All Other Mixtures	Test Method See Manual of Test Procedures for Materials
Maximum Specific Gravity of Mxture	Day's production ≥ 1200 tons: 1 per half day of production	1 per day	Illinois-Modified AASHTO T 209
	Day's production < 1200 tons: 1 per half day of production for first 2 days and 1 per day thereafter (first sample of the day)		

Note 1. The No. 8 (2.36 mm) and No. 30 (600 μm) sieves are not required for All Other Mixtures.

Note 2. The Engineer may waive the ignition oven requirement for asphalt binder content if the aggregates to be used are known to have ignition asphalt binder content calibration factors which exceed 1.5 percent. If the ignition oven requirement is waived, other Department approved methods shall be used to determine the asphalt binder content.

Note 3. The G_{sb} used in the voids in the mineral aggregate (VMA) calculation shall be the same average G_{sb} value listed in the mix design.

Note 4. The Engineer reserves the right to require additional hot bin gradations for batch plants if control problems are evident."

SPECIAL PROVISION
FOR
HOT-MIX ASPHALT –TRANSPORTATION

Revise Article 1030.08 of the Standard Specifications to read:

"1030.08 Transportation. Vehicles used in transporting HMA shall have clean and tight beds. The beds shall be sprayed with asphalt release agents from the Department's approved list. In lieu of a release agent, the Contractor may use a light spray of water with a light scatter of manufactured sand (FA 20 or FA 21) evenly distributed over the bed of the vehicle. After spraying, the bed of the vehicle shall be in a completely raised position and it shall remain in this position until all excess asphalt release agent or water has been drained.

When the air temperature is below 60 °F (15 °C), the bed, including the end, endgate, sides and bottom shall be insulated with fiberboard, plywood or other approved insulating material and shall have a thickness of not less than 3/4 in (20 mm). When the insulation is placed inside the bed, the insulation shall be covered with sheet steel approved by the Engineer. Each vehicle shall be equipped with a cover of canvas or other suitable material meeting the approval of the Engineer which shall be used if any one of the following conditions is present.

1) Ambient air temperature is below 60 °F (15 °C).

2) The weather is inclement.

3) The temperature of the HMA immediately behind the paver screed is below 250 °F (120 °C).

The cover shall extend down over the sides and ends of the bed for a distance of approximately 12 in. (300 mm) and shall be fastened securely. The covering shall be rolled back before the load is dumped into the finishing machine."

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 Highway Department (one copy to the Pavement Geometrics Division - Survey Section and one copy to the Right of Way Bureau).

Basis of Payment. This work will be paid for at the contract unit price each for Survey 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
SOILS INFORMATION

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

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

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

SPECIAL PROVISION
FOR
P.C. CONCRETE SURFACE FINISH

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

SPECIAL PROVISION
FOR
SCHEDULING AND LANDSCAPING

Scheduling

The Contractor is informed that no work involving overnight lane closures will be allowed prior to April 15, 2012. Any work which involves temporary lane closures which may be controlled by temporary devices and/or flagging shall have prior approval from the Engineer. Absolutely no work involving impacts or closure to traffic will be allowed when snow or ice removal operations are expected or ongoing. It is the responsibility of the Contractor to verify that no such operations are imminent before beginning any work that involves impacts to traffic lanes.

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 ten (10) working days beyond the contract completion date is allowed in order to complete the improvement.

SPECIAL PROVISION
FOR
HOT-MIX ASPHALT MIXTURE IL-4.75

Description. This work shall consist of constructing Hot-Mix Asphalt (HMA) leveling binder with an IL-4.75 mixture. Work shall be according to Sections 406 and 1030 of the Standard Specifications, except as modified herein.

Materials. Revise the first paragraph of Article 1003.03(c) of the Standard Specifications to read:

"(c) Gradation. The fine aggregate gradation for High ESAL, Low ESAL, and All Other HMA shall be FA 1, FA 2, FA 20, or FA 21; except FA 21 will not be permitted for mixture IL-4.75."

Revise the third sentence of Note 2 of Article 1030.02 of the Standard Specifications to read:

"The maximum percentage of RAP in any mixtures containing a polymer modified asphalt binder shall be ten percent."

Revise the second sentence of Note 3 of Article 1030.02 of the Standard Specifications to read:

"For mixtures with an N design ≥ 90 and for mixture IL-4.75, at least 50 percent of the required fine aggregate fraction shall consist of either stone sand, slag sand, or steel slag meeting the FA/FM 20 gradation."

Add the following note after Table 1 and after Table 2 of Article 1032.05(b) of the Standard Specifications:

"Note. When SBS/SBR PG76-22 or SBS/SBR PG76-28 is specified for mixture IL-4.75; the elastic recovery shall be a minimum of 80."

Equipment. Add the following paragraph after the second paragraph of Article 1102.01(a)(6) of the Standard Specifications:

"IL-4.75 mixtures which contain aggregate having absorptions greater than or equal to 2.5 percent, or which contain steel slag sand, shall have a minimum silo storage plus haul time of 1.5 hours."

Add the following to Article 1102.01(a) of the Standard Specifications:

"(13) For mixture IL-4.75, mineral filler and collected dust (baghouse) shall be proportioned according to the following.

1) Mineral filler shall not be stored in the same silo as collected dust (baghouse).

2) Additional minus 200 material needed to meet the JMF may be entirely manufactured mineral filler.

3) Collected dust (baghouse) may be used in lieu of manufactured mineral filler according to the following.

   a) Sufficient collected dust (baghouse) is available for production of the IL-4.75 mixture for the entire project.

b) A mix design was prepared based on collected dust (baghouse).

4) A combination of collected dust (baghouse) and manufactured mineral filler may be used according to the following.

a) The amount (proportion) of each shall be established and not varied.

b) A mix design was prepared based on the established proportions."

Mixture Design. Add the following to the list of Illinois Modified AASHTO references in Article 1030.04 of the Standard Specifications:

"AASHTO T 305 Standard Method of Test for Determination of Draindown Characteristics in Uncompacted Asphalt Mixtures"

Add the following to Article 1030.04(a) of the Standard Specifications:

"(4) IL-4.75 Mixture. The Job Mix Formula (JMF) shall fall within the following limits.

IL-4.75, MIXTURE COMPOSITION	
Sieve	Percent Passing
1/2 in. (12.5 mm)	100
3/8 in. (9.5 mm)	100
No. 4 (4.75 mm)	90-100
No. 8 (2.36 mm)	70-90
No. 16 (1.18 mm)	50-65
No. 30 (600 µm)	35-55
No. 50 (300 µm)	15-30
No. 100 (150 µm)	10-18
No. 200 (75 µm)	7-9
AB Content	7% to 9%"

Add the following to Article 1030.04(b) of the Standard Specifications: "(4) IL-4.75 Mixture.

VOLUMETRIC REQUIREMENTS IL-4.75	
Volumetric Parameter	Requirement
Design Air Voids	4.0 % at Ndesign 50
Voids in the Mineral Aggregate (VMA)	18.5 % minimum
Voids Filled with Asphalt (VFA)	78-88 %
Maximum Dust/AC Ratio	1.0
Maximum Draindown	0.3%"

Control Limits. Add the following to the tables in Article 1030.05(d)(4) of the Standard Specifications:

"CONTROL LIMITS		
Parameter	IL-4.75 Individual Test	IL-4.75 Moving Ave. of 4
% Passing: 1/		
1/2 in. (12.5 mm)		
No. 4 (4.75 mm)		
No. 8 (2.36 mm)		
No. 16 (1.18 mm)	± 4 %	± 3 %
No. 30 (600 µm)		
Total Dust Content No. 200 (75 µm)	± 1.5 %	± 1.0 %
Asphalt Binder Content	± 0.3 %	± 0.2 %
Voids	± 1.2 %	± 1.0 %

DENSITY CONTROL LIMITS		
Mixture Composition	Parameter	Individual Test
IL-4.75	Ndesign = 50	93.0% - 97.4% 2/

2/ Density shall be determined by cores or by correlated, approved thin lift nuclear gauge."

CONSTRUCTION REQUIREMENTS

Leveling. Revise the table and the second paragraph of Article 406.05(c) of the Standard Specifications to read:

"Leveling Binder	
Nominal, Compacted, Leveling Binder Thickness, in. (mm)	Mixture Composition
≤ 1 1/4 (32)	IL-4.75, IL-9.5, or IL-9.5L
> 1 1/4 to 2 (32 to 50)	IL-9.5, IL-12.5, or IL-9.5L

The density requirements of Article 406.07(c) shall apply for leveling binder, machine method, when the nominal compacted thickness is: 3/4 in. (19 mm) or greater for IL-4.75 mixtures; 1 1/4 in. (32 mm) or greater for IL-9.5 and IL-9.5L mixtures; and 1 1/2 in. (38 mm) or greater for IL-12.5 mixtures."

Placing. Revise Article 406.06(b) of the Standard Specifications to read:

"(b) Placement Conditions. Placement of HMA shall be under the following conditions.

1) General Conditions. HMA shall be placed on a clean, dry base and when weather conditions are suitable. The leveling binder and binder courses shall be placed only when the temperature in the shade is at least 40 °F (5 °C) and the forecast is for rising temperatures. The surface course shall be placed only when the air temperature in the shade is at least 45 °F (8 °C) and the forecast is for rising temperatures. The HMA shall be delivered at a temperature of 250 to 350 °F (120 to 175 °C). Intermingling of different mixture compositions at any one paver will not be permitted.

2) Special Conditions for mixture IL-4.75.

   a) The surface shall be dry for at least 24 hours, and clean, prior to placement of the mixture.

   b) Work shall not begin when local conditions indicate rain is imminent.

   c) The mixture shall be placed only when the temperature in the shade is at least 50 °F (10 °C) and the forecast is for rising temperatures.

   d) The mixture temperature shall be 310 to 350 °F (155 to 175 °C) and shall be measured in the truck just prior to placement.

   e) When used as leveling binder, the mixture shall be overlaid within five days of being placed."

Add the following paragraph to the end of Article 406.06(d) of the Standard Specifications:

"The minimum and maximum compacted lift thickness for mixture IL-4.75 shall be 3/4 in. (19 mm) and 1 1/4 in. (32 mm) respectively."

Compaction. Revise Table 1 of Article 406.07 of the Standard Specifications to read:

"TABLE 1 - MINIMUM ROLLER REQUIREMENTS FOR HMA				
	Breakdown Roller (one of the following)	Intermediate Roller	Final Roller (one or more of the following)	Density Requirement
Level Binder: (When the density requirements of Article 406.05(c) do not apply.)	P 3/	- -	VS, P, TB, TF, 3W	To the satisfaction of the Engineer.
1/ Binder and Surface 1/ Level Binder: (When the density requirements of Article 406.05(c) apply.)	VD, P, TB, 3W	P 3/	VS, TB, TF	As specified in Articles: 1030.05(d)(3), (d)(4), and (d)(7).

2/ Bridge Decks	TB	- -	TF	As specified in Articles: 582.05 and 582.06.

1/ If the average delivery at the job site is 85 ton/hr (75 metric ton/hr) or less, any roller combination may be used provided it includes a steel wheeled roller and the required density and smoothness is obtained.

2/ One TB roller may be used for both breakdown and final rolling on bridge decks 300 ft (90 m) or less in length, except when the air temperature is less than 60 °F (15 °C).

3/ A VD roller may be used in lieu of the P roller on mixtures containing polymer modified asphalt binder.

4/ For mixture IL-4.75, a minimum of two TB rollers and one TF roller shall be provided. P and V rollers will not be permitted."

Basis of Payment. Add the following paragraph after the third paragraph of Article 406.14 of the Standard Specifications:

"Mixture IL-4.75 will be paid for at the contract unit price per ton (metric ton) for Polymerized Leveling Binder (Machine Method), IL-4.75, N50.

SPECIAL PROVISION
FOR
RECLAIMED ASPHALT PAVEMENT (RAP)

In Article 1030.02(g), delete the last sentence of the first paragraph in (Note 2).

Revise Section 1031 of the Standard Specifications to read:

"SECTION 1031. RECLAIMED ASPHALT PAVEMENT

1031.01 Description. Reclaimed asphalt pavement (RAP) is reclaimed asphalt pavement resulting from cold milling or crushing of an existing dense graded hot-mix asphalt (HMA) pavement. The Contractor shall supply written documentation that the RAP originated from routes or airfields under federal, state, or local agency jurisdiction.

1031.02 Stockpiles. The Contractor shall construct individual, sealed RAP stockpiles meeting one of the following definitions. No additional RAP shall be added to the pile after the pile has been sealed. Stockpiles shall be sufficiently separated to prevent intermingling at the base. Stockpiles shall be identified by signs indicating the type as listed below (i.e. "Homogeneous Surface").

Prior to milling, the Contractor shall request the District to provide verification of the quality of the RAP to clarify appropriate stockpile.

a) Fractionated RAP (FRAP). FRAP shall consist of RAP from Class I, Superpave (High ESAL), HMA (High ESAL), or equivalent mixtures. The coarse aggregate in FRAP shall be crushed aggregate and may represent more than one aggregate type and/or quality but shall be at least C quality. All FRAP shall be fractionated prior to testing by screening into a minimum of two size fractions with the separation occurring on or between the #4 (4.75 mm) and 1/2 in. (12.5 mm) sieves. Agglomerations shall be minimized such that 100 percent of the RAP in the coarse fraction shall pass one sieve size larger than the maximum sieve size specified for the mix the RAP will be used in.

b) Homogeneous. Homogeneous RAP stockpiles shall consist of RAP from Class I, Superpave (High ESAL), HMA (High ESAL), or equivalent mixtures and represent: 1) the same aggregate quality, but shall be at least C quality; 2) the same type of crushed aggregate (either crushed natural aggregate, ACBF slag, or steel slag); 3) similar gradation; and 4) similar asphalt binder content. If approved by the Engineer, combined single pass surface/binder millings may be considered "homogenous" with a quality rating dictated by the lowest coarse aggregate quality present in the mixture.

c) Conglomerate. Conglomerate RAP stockpiles shall consist of RAP from Class I, Superpave (High ESAL), HMA (High ESAL), or equivalent mixtures. The coarse aggregate in this RAP shall be crushed aggregate and may represent more than one aggregate type and/or quality but shall be at least C quality. This RAP may have an inconsistent gradation and/or asphalt binder content prior to processing. All conglomerate RAP shall be processed prior to testing by crushing to where all RAP shall pass the 5/8 in. (16 mm) or smaller screen. Conglomerate RAP stockpiles shall not contain steel slag or other expansive material as determined by the Department.

d) Conglomerate "D" Quality (DQ). Conglomerate DQ RAP stockpiles shall consist of RAP from Class I, Superpave (High or Low ESAL), HMA (High or Low ESAL), or equivalent mixtures. The coarse aggregate in this RAP may be crushed or round but shall be at least D quality. This RAP may have an inconsistent gradation and/or asphalt binder content. Conglomerate DQ RAP stockpiles shall not contain steel slag or other expansive material as determined by the Department.

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

RAP/FRAP containing contaminants, such as earth, brick, sand, concrete, sheet asphalt, bituminous surface treatment (i.e. chip seal), pavement fabric, joint sealants, etc., will be unacceptable unless the contaminants are removed to the satisfaction of the Engineer. Sheet asphalt shall be stockpiled separately.

1031.03 Testing. When used in HMA, the RAP/FRAP shall be sampled and tested either during or after stockpiling.

For testing during stockpiling, washed extraction samples shall be run at the minimum frequency of one sample per 500 tons (450 metric tons) for the first 2000 tons (1800 metric tons) and one sample per 2000 tons (1800 metric tons) thereafter. A minimum of five tests shall be required for stockpiles less than 4000 tons (3600 metric tons).

For testing after stockpiling, the Contractor shall submit a plan for approval to the District proposing a satisfactory method of sampling and testing the RAP/FRAP pile either in-situ or by restockpiling. The sampling plan shall meet the minimum frequency required above and detail the procedure used to obtain representative samples throughout the pile for testing.

Before extraction, each field sample shall be split to obtain two samples of test sample size. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall extract the other test sample according to Department procedure. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

Evaluation of Test Results. All of the extraction results shall be compiled and averaged for asphalt binder content and gradation and, when applicable Gmm. Individual extraction test results, when compared to the averages, will be accepted if within the tolerances listed below.

Parameter	FRAP/Homogeneous /Conglomerate	Conglomerate "D" Quality
1 in. (25 mm)		± 5 %
1/2 in. (12.5 mm)	± 8 %	± 15 %
No. 4 (4.75 mm)	± 6 %	± 13 %
No. 8 (2.36 mm)	± 5 %	
No. 16 (1.18 mm)		± 15 %
No. 30 (600 µm)	± 5 %	
No. 200 (75 µm)	± 2.0 %	± 4.0 %
Asphalt Binder	± 0.4 % 1/	± 0.5 %
G_{mm}	± 0.03	

1/ The tolerance for FRAP shall be ± 0.3 %.

If more than 20 percent of the individual sieves are out of the gradation tolerances, or if more than 20 percent of the asphalt binder content test results fall outside the appropriate tolerances, the RAP/FRAP shall not be used in HMA unless the RAP/FRAP representing the failing tests is removed from the stockpile. All test data and acceptance ranges shall be sent to the District for evaluation.

With the approval of the Engineer, the ignition oven may be substituted for extractions according to the Illinois Test Procedure, "Calibration of the Ignition Oven for the Purpose of Characterizing Reclaimed Asphalt Pavement (RAP)".

1031.04 Quality Designation of Aggregate in RAP/FRAP.

a) The aggregate quality of the RAP for homogenous, conglomerate, and conglomerate "D" quality stockpiles shall be set by the lowest quality of coarse aggregate in the RAP stockpile and are designated as follows.

   (1) RAP from Class I, Superpave (High ESAL)/HMA (High ESAL), or HMA (Low ESAL) IL-9.5L surface mixtures are designated as containing Class B quality coarse aggregate.

   (2) RAP from Superpave (Low ESAL)/HMA (Low ESAL) IL-19.0L binder mixture is designated as Class D quality coarse aggregate.

   (3) RAP from Class I, Superpave (High ESAL), or HMA (High ESAL) binder mixtures, bituminous base course mixtures, and bituminous base course widening mixtures are designated as containing Class C quality coarse aggregate.

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

b) The aggregate quality of FRAP shall be determined as follows.

   (1) If the Engineer has documentation of the quality of the FRAP aggregate, the Contractor shall use the assigned quality provided by the Engineer. If the quality is not known, the quality shall be determined according to Article 1031.04(b)(2).

   (2) Fractionated stockpiles containing plus #4 (4.75 mm) sieve coarse aggregate shall have a maximum tonnage of 5000 tons (4500 metric tons). The Contractor shall obtain a representative sample witnessed by the Engineer. The sample shall be a minimum of 50 lb (25 kg). The sample shall be extracted according to Illinois Modified AASHTO T 164 by a consultant prequalified by the Department for the specified testing. The consultant shall submit the test results along with the recovered aggregate to the District Office. The cost for this testing shall be paid by the Contractor. The District will forward the sample to the BMPR Aggregate Lab for MicroDeval Testing, according to Illinois Modified AASHTO T 327. A maximum loss of 15.0 percent will be applied for all HMA applications."

1031.05 Use of RAP/FRAP in HMA. The use of RAP/FRAP shall be a Contractor's option when constructing HMA in all contracts. The use of RAP/FRAP in HMA shall be as follows.

a) Coarse Aggregate Size. The coarse aggregate in all RAP shall be equal to or less than the nominal maximum size requirement for the HMA mixture to be produced.

b) Steel Slag Stockpiles. RAP stockpiles containing steel slag or other expansive material, as determined by the Department, shall be homogeneous and will be approved for use in HMA (High ESAL and Low ESAL) surface mixtures only.

c) Use in HMA Surface Mixtures (High and Low ESAL). RAP/FRAP stockpiles for use in HMA surface mixtures (High and Low ESAL) shall be FRAP or homogeneous in which the coarse aggregate is Class B quality or better.

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

e) Use in Shoulders and Subbase. RAP/FRAP stockpiles for use in HMA shoulders and stabilized subbase (HMA) shall be FRAP, homogeneous, conglomerate, or conglomerate DQ.

f) When the Contractor chooses the RAP option, the percentage of RAP shall not exceed the amounts indicated in the table below for a given N Design.

Max RAP Percentage

HMA Mixtures 1/, 3/	Maximum % FRAP		
Ndesign	Binder/Leveling Binder	Surface	Polymer Modified
30	30	30	10
50	25	15	10
70	15/2525	20	10
90	10	10	10
105	10	10	10

1/ For HMA shoulder and stabilized subbase (HMA) N-30, the amount of RAP shall not exceed 50% of the mixture.

2/ Value of Max % RAP if homogeneous RAP stockpile of IL-9.5 RAP is utilized.

3/ When RAP exceeds 20 percent, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent RAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28). If warm mix asphalt (WMA) technology is utilized, and production temperatures do not exceed 275°°F (135 °C) the grades shall be reduced as follows:

Overlays: When WMA contains between 20 and 30 percent RAP the high temperature shall be reduced by one grade (i.e. 25 percent RAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-22). When WMA contains 30 percent or more RAP the high and low temperature grades shall each

be reduced by one grade (i.e. 35 percent RAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).

Full Depth: When WMA contains between 20 and 30 percent RAP, the low temperature shall be reduced by one grade (i.e. 25 percent RAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG64-28). When the WMA contains 30 percent or more RAP the high and low temperature grades shall each be reduced by one grade (i.e. 35 percent RAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).

g) When the Contractor chooses the FRAP option, the percentage of FRAP shall not exceed the amounts indicated in the table below for a given N Design.

Max FRAP Percentage

HMA Mixtures 1/, 2/	Maximum % FRAP		
Ndesign	Binder/Leveling Binder	Surface	Polymer Modified
30	35	35	10
50	30	25	10
70	25	20	10
90	20	15	10
105	10	10	10

1/ For HMA shoulder and stabilized subbase (HMA) N30, the amount of FRAP shall not exceed 50 percent of the mixture.

2/ When FRAP exceeds 20 percent, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent FRAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28). If warm mix asphalt (WMA) technology is utilized, and production temperatures do not exceed 275°°F (135 °C) the grades shall be reduced as follows:

Overlays: When WMA contains between 20 and 30 percent FRAP the high temperature shall be reduced by one grade (i.e. 25 percent FRAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-22). When WMA contains 30 percent or more FRAP the high and low temperature grades shall each be reduced by one grade (i.e. 35 percent FRAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).

Full Depth: When WMA contains between 20 and 30 percent FRAP, the low temperature shall be reduced by one grade (i.e. 25 percent FRAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG64-28). When the WMA contains 30 percent or more FRAP the high and low temperature grades shall each be reduced by one grade (i.e. 35 percent FRAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).

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

RAP/FRAP designs shall be submitted for volumetric verification. If additional RAP/FRAP stockpiles are tested and found that no more than 20 percent of the results, as defined under "Testing" herein, are outside

of the control tolerances set for the original RAP/FRAP stockpile and HMA mix design, and meets all of the requirements herein, the additional RAP/FRAP stockpiles may be used in the original mix design at the percent previously verified.

1031.07 HMA Production. The coarse aggregate in all RAP used shall be equal to or less than the nominal maximum size requirement for the HMA mixture being produced.

To remove or reduce agglomerated material, a scalping screen, gator, crushing unit, or comparable sizing device approved by the Engineer shall be used in the RAP feed system to remove or reduce oversized material. If material passing the sizing device adversely affects the mix production or quality of the mix, the sizing device shall be set at a size specified by the Engineer.

If the RAP/FRAP control tolerances or QC/QA test results require corrective action, the Contractor shall cease production of the mixture containing RAP/FRAP and either switch to the virgin aggregate design or submit a new RAP/FRAP design.

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

a) Dryer Drum Plants.

(1) Date, month, year, and time to the nearest minute for each print.

(2) HMA mix number assigned by the Department.

(3) Accumulated weight of dry aggregate (combined or individual) in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).

(4) Accumulated dry weight of RAP/FRAP in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).

(5) Accumulated mineral filler in revolutions, tons (metric tons), etc. to the nearest 0.1 unit.

(6) Accumulated asphalt binder in gallons (liters), tons (metric tons), etc. to the nearest 0.1 unit.

(7) Residual asphalt binder in the RAP/FRAP material as a percent of the total mix to the nearest 0.1 percent.

(8) Aggregate and RAP/FRAP moisture compensators in percent as set on the control panel. (Required when accumulated or individual aggregate and RAP/FRAP are printed in wet condition.)

b) Batch Plants.

(1) Date, month, year, and time to the nearest minute for each print.

(2) HMA mix number assigned by the Department.

(3) Individual virgin aggregate hot bin batch weights to the nearest pound (kilogram).

(4) Mineral filler weight to the nearest pound (kilogram).

(5) RAP/FRAP weight to the nearest pound (kilogram).

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

(7) Residual asphalt binder in the RAP/FRAP material as a percent of the total mix to the nearest 0.1 percent.

The printouts shall be maintained in a file at the plant for a minimum of one year or as directed by the Engineer and shall be made available upon request. The printing system will be inspected by the Engineer prior to production and verified at the beginning of each construction season thereafter.

1031.08 RAP in Aggregate Surface Course and Aggregate Shoulders. The use of RAP in aggregate surface course and aggregate shoulders shall be as follows.

(a) Stockpiles and Testing. RAP stockpiles may be any of those listed in Article 1031.02, except "Non-Quality" and "FRAP". The testing requirements of Article 1031.03 shall not apply.

(b) Gradation. One hundred percent of the RAP material shall pass the 1 1/2 in. (37.5 mm) sieve. The RAP material shall be reasonably well graded from coarse to fine. RAP material that is gap-graded or single sized will not be accepted.

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 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
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
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. 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 Department including, but not limited to, an addendum, if the information is deemed by the Department to be necessary in submitting bids or if the Department 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 Department.

When the plans or special provisions include information pertaining to the location of underground utility facilities, such information represents only the opinion of the Department as to the location of such utilities and is only included for the convenience of the bidder. The Department assumes no responsibility

whatever in respect to the sufficiency or the accuracy of the information shown on the plans relative to the location of underground utility facilities. It shall be the Contractor's responsibility to determine the actual location of all such facilities including field verification of both vertical and horizontal locations relative to the work. He shall also obtain from the respective utility companies detailed information relative to the location of their facilities and the working schedules of the utility companies for removing or adjusting them.

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

STATUS OF UTILITIES
UTILITIES TO BE ADJUSTED
QUENTIN ROAD
ILLINOIS ROAD TO NORTHWEST HIGHWAY
SECTION: 11-V6244-02-RS

The following agencies have facilities within the project limits:

Commonwealth Edison Company
1500 Franklin Blvd.
Libertyville, IL 60048
Attn: Terri Bleck
(847) 816-5239
James Torres
(312) 394-3260
David Stoppelman
9630) 576-7092

Village of Palatine
148 W. Illinois Road
Palatine, IL 60067
Attn: Elias Koutas
Acting Director of Public Works
(847) 202-6960

AT&T Illinois
1000 Commerce Drive, Floor 2
Oak Brook, IL 60523
Attn: David Phelps
(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
Engineering Administrator
(630) 388-3830

Northwest Water Commission
1525 N. Wolf Road
Des Plaines, IL 60016
Attn: Robert Toben
(847) 635-0777

Wide Open West
1030 National Parkway
Schaumburg, IL 60173
Attn: Brian Hurd
(630) 523-1264

Sprint
5600 N. River Road
Rosemont, IL 60018
Attn: James Burton
(847) 318-3437

Status of Utilities to be Adjusted
Quentin Road (Contd.)

AT&T Local Services
4513 Western Avenue, Room 227
Lisle, IL 60532
Attn: Bobby Akhter
(630) 719-1483

MCI
7719 West 60th Place
P.O. Box 387
Summit, IL 60501
Attn: Jim Todd
(708) 458-6410
Beth Seubert
(972) 729-6016

Union Pacific Railroad Company
301 W. Lake Street
Northlake, IL 60164
Attn: Rich Ellison
(708) 649-5214

Unite Private Network
C/o Adesta, LLC
1428 Sherman Road
Romeoville, IL 60446
Attn: Lou Uridil
(630) 343-2815

Level 3 Network Relocations
1025 Eldorado Blvd.
Broomfield, CO 80021
Attn: Keith Osborn
(720) 888-2774

AT&T Corporation
866 Rock Creek Road
Plano, IL 60545
Attn: Carl Donahue
(847) 420-9115 (C)

Redspeed Illinois, LLC
400 Eisenhower Lane. North
Lombard, IL 6014
Attn: Jose Chavez
(630) 317-5700

Kentucky Data Link
3701 Communications Way
Evansville, IN 47715
Attn: David Dobbs
(812) 456-4729

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

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.

SPECIAL PROVISION
FOR
FIRE HYDRANTS VERTICAL ADJUSTMENT

Description. This item consists of vertical adjustment of fire hydrants where called for on the plans or as directed by the Engineer.

Construction Methods. Where called for on the plans or as directed by the Engineer, fire hydrants with auxiliary valves shall be vertically adjusted to meet the proposed final grade.

Any fire hydrant damaged by the Contractor shall be repaired at his/her own expense.

The work shall be performed in a manner approved, written or orally, by the Engineer of the municipality, or the Water District.

Basis of Payment. This work will be paid for at the contract unit price each for Fire Hydrants Vertical Adjustment (24 IN. or Less) and Fire Hydrants Vertical Adjustment (Over 24 IN.) which price shall include all labor and materials to complete the work in accordance with the proposed plans and the special provisions.

SPECIAL PROVISION
FOR
WATERPROOFING OF SANITARY MANHOLES

Description. This work shall consist of waterproofing the exterior top portion of 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 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 Sanitary Manholes to be Adjusted; Waterproofing 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
INLET FILTER CLEANING

Description. This work shall consist of cleaning sediment out of a drainage structure inlet filter when directed by the Engineer. This cleaning work is to be periodically performed as directed by the Engineer, for the duration of the use of each drainage structure inlet filter assembly. The Engineer will be the sole judge of the need for cleaning, based on the rate that debris and silt is collected at each inlet filter location.

Cleaning of the inlet filter shall consist of inspecting, cleaning (includes removal and proper disposal of debris and silt that has accumulated in the filter fabric bag) by vactoring, removing and dumping, or any other method approved by the Engineer.

Method of Measurement. This work shall be measured for payment each time that the cleaning work is performed at each of the drainage structure inlet filter locations.

Basis of Payment. This work shall be paid for at the contract unit price per each occurrence for Inlet Filter Cleaning.

SPECIAL PROVISION
FOR
CLEANING EXISTING MANHOLES, CATCH BASINS, OR INLETS
CLEANING EXISTING STORM SEWERS AND PIPE CULVERTS

Description. Items for Cleaning of Existing Manholes, Catch Basins, Inlets, Storm Sewers, or Pipe Culverts are included in the Summary of Quantities and are to be used at the direction of the Engineer. The Manholes, Catch Basins, Inlets, Storm Sewers or Pipe Culverts shall be cleaned of silt, debris or other foreign matter of any kind and will be free from such accumulation at the time of final inspection. The accumulations shall be removed from the job site and disposed of in a manner meeting appropriate regulations.

Basis of Payment. This work shall be paid for at the contract unit price each for Cleaning Existing Manholes, Cleaning Existing Catch Basins, Cleaning Existing Inlets and/or per foot of Cleaning Existing Storm Sewers Or Cleaning Existing Pipe Culverts of the length and diameter specified. The cost shall include all labor, materials and disposal cost for removal of accumulations from the job site.

SPECIAL PROVISION
FOR
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
PERMIT REQUIREMENTS

Description. This project will result in a disturbance of one or more acres of total land area and will require compliance with the National Pollutant Discharge Elimination System (NPDES) Storm Water Permit.

The Cook County Highway Department is the permittee, and all Contractors and Subcontractors involved in any soil disturbing activities will be required to confirm that they understand and will comply with all requirements of the permit by signing a Contractors Certification Statement. The Contractor shall adhere to the plans and complete required documents throughout construction. Sample documents are attached as part of this Special Provision.

A Storm Water Pollution Prevention Plan (SWPPP) shall be designed by the permittee and included in the project plans to be cooperatively implemented and updated by the Resident Engineer and Contractor for this project using good engineering practices. The plan shall identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges. In addition, the plan shall describe and ensure the implementation of best management practices (BMPs) which will be used to reduce the pollutants in storm water discharges associated with this project and assure compliance with the terms and conditions of the Storm Water Permit. Such practices may include mulching, geotextiles, silt fences, sediment traps, storm drain inlet protection and several others mentioned in the permit. The installation of these devices may be subject to Section 404 of the Clean Water Act. The plan will be signed by the County Superintendent of Highways and retained on- site.

A Sediment and Erosion Control Inspection Report will be completed once a week and after every 1/2 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 Noncompliance (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:

1) Special Provision - National Pollutant Discharge Elimination System (NPDES) Permit Requirements (1 page)

2) Permit Coverage Letter – ILR40085 (1 page)
3) General NPDES Permit ILR40 (2 pages)
4) General NPDES Permit ILR10 (10 pages)
5) Contractor Certification Statement (1 page)
6) Erosion and Sediment Control Inspection Checklist (1 page)
7) Erosion/Sediment Control Inspection Report (1 page)
8) Notice of Intent (2 pages)
9) Notice of Termination (1 page)
10) IEPA Incidence of Non-Compliance Form (1 page)
11) Storm Water Pollution Plan signed by Superintendent (6 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

21 7/782 -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. ILR400485County: 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

ROCKFORD P022 Northth Main. Street, Rockford, IL 61103 -(815) 987-7760 • DES PLAINES-9511 W. Harrison St., Des Plaines, IL 60016-(847) 294-4000 ELGIN- 595 South State, Elgin, IL 60123 - (847) 608-3131• PEORIA- 5415 N. University St., Peoria, IL 61614 - (309) 693-5463
BUREAU OF LAND - PEORIA- 7620 N. University St., Peoria, iL 61614 - (309) 693-5462 • CHAMPAIGN - 2125 South First Street, Champaign, IL 61820 - (217) 278-58C SPRINGFIELD- 4500S. Sixth Street Rd., Springfield, IL 62706 -(217) 786-6892 • COLLINSVILLE- 2009 Mall Street, Collinsville, IL 62234 - (618) 346-5120 MARION - 2309 W. Main St., Suite 116, Marion, IL 62959 - (618) 993-7200

Illinois Environmental Protection Agency
Division of Water Pollution Control
1021 North Grand East
PO, 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 III. 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, PE,
Manager, Permit Section
Division of Water Pollution Control

ILR40.wpd

General NPDES Permit No. ILR40

CONTENTS OF THIS GENERAL PERMIT

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PART I, AVERAGE 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 (M54s) 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 washroom 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 wastewaters 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 rn unicipai 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 Stonm Water ***from*** Construction Site Activities from the permittee. The Agency will provide public notification of the constmclion site activity and

assign a unique permit number for each project during this period. **The permittee shall comply with all the requirements of Permit IL R10 for all such construction projects.**

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	IssueDate:	August 11,2008
		Effective Date:	August 11,2008

In compliance with the provisions of the Illinois Environmental Protection Act, the Illinois Pollution Control Board Rules and Regulations (35 Ill. Adm. Code, Subtitle C, Chapter I), and the Clean Water Act, and the regulations thereunder the following discharges are authorized by this permit in accordance with the conditions and attachments herein.

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

Part I. COVERAGE UNDER THIS PERMIT

A. **Permit Area.** The permit covers all areas of the State of Illinois with discharges to any waters of the State.

B. **Eligibility.**

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 mayonlyauthorize a storm waterdischarge associated with industrial activityfrom a construction site that is mixed with a storm waterdischarge 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 industrialactivityfrom the areas of the site where construction activities are occurring are in compliance with the terms of this permit; and

   c. storm waterdischarges associated with industrial activity from the areas of the site where industrial activity otherthan 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(06). C. Authorization.

1. In order for storm water discharges from construction sites to be authorized to discharge under this general permit a discharger mustsubmit 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: eoa.constilrIOswormAillinois.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.constilrlOswppp@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.constrilIOswpprAillinois.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 thefacility 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 permitILR10 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! 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 (otherthan 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 roust 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: hftp://www.epa.state.iL us/water/tmdl/report-status.html

C. Discharges covered by this permit, alone or in combination with othersources, shall notcause orcontribute to a violation of any

applicable waterquality 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 ofa 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 thatshall be available to the public at any reasonable time upon request. However, the permittee may claim any portion ofa 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 ofmajoractivities whichdisturb soils formajor 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 preventoffsite 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 (htto://www.il.nrcs.usda .qovitechnical/en_gineerlurban/index.html) or other similar documents shall be used fordeveloping 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 perimetercontrol. 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) Whereconstructionactivitywillresumeona portionofthe sitewithin 14daysfromwhenactivitiesceased, (e.g.thetotaltime periodthatconstructionactivityistemporarilyceased isfessthan 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 for303(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.uslwater/tmd1/303d-list.htmt)

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.

(1) 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 hydro period 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 NU 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 thatthey 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 forevidence 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 permitshall 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.

The permittee shall notify the appropriate Agency Field Operations Section office by email at: epa.swnoncompaillinois.gov , telephone or fax within 24 hours of any incidence of noncompliance forany 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).

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 111 .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 (ILR1 0) 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, orstorm 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 in correct 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;

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.0 (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.0 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 documentsubmitted 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 (0 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 exceptafter notice to the Agency. The Agency may require the discharged* apply for and obtain an individual NPDES permit as stated in Part I.0 (Authorization).

N. **Requiring an Individual Permit oran 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 thata 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 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 reaeiving waters are impaired waters for suspended solids, turbidity or siltation as identified by the Agency's 3 03(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 permitto the individual NPDES permittee is automatically terminated on the effective date of the individual permitorthe 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.

0. **StatelEnvironmental 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 bya 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 bylaw, to:

1. Enter upon the permittee's premises where a regulated facility oractivity is located orconducted, orwhere 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 monitorat reasonable times, for the purposes of assuring permit compliance oras otherwise authorized by the Clean WaterAct, 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 oran 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 provisionsof35 Ill. Adm. Code, Subtitle C, Chapter I and the provisions of 40 CFR 122.62,122.63,122.64 and 124.5 and anyotherapplicable 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. acourtofcompetent jurisdiction binding inthe State of Illinoisorthe 7thCircuitCourt ofAppeals issuesanordemecessitatinga modificationofpublicparticipation forgeneral 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.

"Commencementof Construction or Demolition Activities"The initialdisturbance ofsoils associated with clearing,grading,orexcavating activities orotherconstruction or demolition activities.

"CVVA" 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 etseq.).

Medicated 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 plantthatis located on orcontiguous 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:

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:

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 I-I 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 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 orcreated bythe 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 under40 CFR Subchapter Ni (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 434.1 1(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, equipmentcleaningoperations,orairportdeicingoperations. Onlythose portions of the facility thatare 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 developmentor sale unless otherwise designated by the Agency pursuant to Part 1.8.1.

(xi) Facilities underStandard Industrial Classifications20, 21,22,23,2434,25,265,267,27,283,31 (except311), 34 (except3441),35, 36,37 (except373), 38,39,4221-25, (and which are nototherwise 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.

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CONTRACTOR CERTIFICATION STATEMENT

COOK COUNTY
BUREAU OF ADMINISTRATION
DEPARTMENT OF HIGHWAYS
John Beissel, P.E.
Acting 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

This certification statement is required as part of the National Pollutant Discharge Elimination System General Permit No. ILR1 0 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 Name: Quentin Road

Project Limits: Illinois Avenue to Northwest Highway

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.

Adele Lampignano
Name (PRINT)

847-891-6000
Telephone Number

Adele Lampignano
Signature

President
Title

Alamp Concrete Contractors, Inc.
Name of Firm

1900 Wright Blvd.
Street Address

Schaumburg IL 60193
City State Zip

COOK COUNTY
BUREAU OF ADMINISTRATION
DEPARTMENT OF HIGHWAYS
John Beissel, P.E.
Acting 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)

EROSION AND SEDIMENT CONTROL INSPECTION CHECKLIST

Date of Inspection:			Project:	Quentin Road
Name of Inspector:			Limits:	Illinois Ave. to Northwest Highway
Type of Inspection:				
Time of Inspection:			Contract Number:	
Stage of Construction:				

	Pre-Construction Plan Review			Building Construction
	Clearing and Grubbing			Finishing Grade
	Rough Grading			Final Stabilization

Inspection Checklist:				
1.	Have all denuded areas requiring temporary or permanent ESC been stabilized?	Y	N	N/A
2.	Are soil stockpiles adequately stabilized with seeding and/or sediment trapping measures?	Y	N	N/A
3.	Are finished cut and fill slopes adequately stabilized?	Y	N	N/A
4.	Do all operational storm water inlets have adequate inlet protection?	Y	N	N/A
5.	Are soil and mud kept off public roadways at intersections with site access roads?	Y	N	N/A
6.	Have all temporary control structures that are no longer needed been removed?	Y	N	N/A
7.	Have all control structure repairs and sediment removal been performed?	Y	N	N/A
8.	Are properties and waterways downstream from development adequately protected from erosion and sediment deposition due to increases in storm water runoff?	Y	N	N/A

Weather Conditions:

_____
_____
_____
_____
_____
_____

National Pollutant Discharge Elimination System (NPDES)
EROSION / SEDIMENT CONTROL INSPECTION REPORT

COOK COUNTY
BUREAU OF ADMINISTRATION
DEPARTMENT OF HIGHWAYS
John Beissel, P.E.
Acting 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

Date of Inspection:			Project:	Quentin Road
Name of Inspector:			Limits:	Illinois Ave. to Northwest Hwy.
Type of Inspection:			District #:	
	Weekly		Contract #:	
	> 0.5-inch Rain		NPDES Permit #:	**ILR400485**
Contractor:				
Subcontractors:				

Are all temporary and permanent controls contained in the pollution prevention / erosion and sediment control plan in place as directed by the Engineer? Yes No If No, why not?

_____
_____
_____

Are the temporary and permanent erosion and sediment controls which have been installed operating correctly? Yes No
If No, what additional controls or adjustments is the Contractor hereby directed to install or perform?

_____
_____
_____
_____

Are the erosion and sediment controls being properly maintained? Yes No If No, what maintenance is the Contractor hereby directed to perform?

_____
_____
_____
_____

Is there tracking of sediment from locations where vehicles enter and leave the project? Yes No If Yes, describe the location(s) and the actions the Contractor is hereby directed to perform.

_____
_____
_____
_____

Appropriate corrective action as directed by the Resident Engineer must be taken as soon as practicable by the Contractor.
Have the additional controls, adjustments or maintenance directed as a result of the last inspection been implemented? Yes No If No, the Contractor is hereby notified that no further work activity will be permitted to take place until the needed corrective measures have been taken. An Incidence of Non-Compliance Form must be completed and sent to the IEPA within 5 days of the occurrence.

Has the Contractor/Subcontractor been given a copy of this report?	Yes No Contractor's Initials
	Resident Engineer

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
NOTICE OF INTENT (NOI)
GENERAL PERMIT TO DISCHARGE STORM WATER CONSTRUCTION SITE ACTIVITIES

OWNER INFORMATION

COMPANYj OWNER NAME:			OWNER TYPE: SELECT ONE MS4 Community Yes No	
MAILING ADDRESS:				PHONE: Area Code ( ) Number ext.
CITY:		STATE:	ZIP CODE:	FAX: Area Code ( ) Number
CONTACT PERSON:			EMAIL:	

CONTRACTOR INFORMATION

CONTRACTOR NAME:			
MAILING ADDRESS:		PHONE: Area Code ( ) Number ext.	
CITY:		STATE:	ZIP CODE:

CONSTRUCTION SITE INFORMATION

SELECT ONE:	NEW SITE			CHANGE OF INFORMATION FOR: ILR1 0						
PROJECT NAME:								COUNTY:		
STREET ADDRESS LOCATION				CITY:				IL	ZIP CODE:	
LATITUDE:	DEG.	MIN.	SEC.	LONGITUDE:	DEG.	MIN.	SEC.	SECTION:	TOWNSHIP:	RANGE:
APPROX CONST START DATE / /	APP ROX CONST END DATE jj			TOTAL SIZE OF CONSTRUCTION SITE IN ACRES: If less than 1 acre, is site part of larger common plan of development? YES NO						

STORM WATER POLLUTION PREVENTION PLAN INFORMATION

HAS STORM WATER POLLUTION PREVENTION PLAN BEEN SUBMITTED TO AGENCY? YES NO (SUBMIT SWPPP ELECTRONICALLY TO: epa.constilr10swppp@illinois.gov)			
WILL STORM WATER POLLUTION PREVENTION PLAN BE AVAILABLE AT SITE? YES NO			
LOCATION OF SWPPP FOR VIEWING: ADDRESS:			CITY:
SWPPP CONTACT INFORMATION: NAME:			INSPECTOR QUALIFICATIONS: SELECT ONE
PHONE: ( )	FAX: ( )	EMAIL:	

PROJECT INSPECTOR, IF DIFFERENT THAN ABOVE: NAME:			INSPECTOR QUALIFICATIONS: SELECT ONE
PHONE: ( )	FAX: ( )	EMAIL:	

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
NOTICE OF INTENT (NOI)
GENERAL PERMIT TO DISCHARGE STORM WATER CONSTRUCTION SITE ACTIVITIES

SELECT ONE

TYPE DETAILED DESCRIPTION OF PROJECT:

TYPE OF CONSTRUCTION (SELECT ALL THAT APPLY)

HISTORIC PRESERVATION AND ENDANGERED SPECIES COMPLIANCE HAS THIS PROJECT BEEN SUBMITTED TO THE FOLLOWING STATE AGENCIES TO SATISFY APPLICABLE REQUIREMENTS FOR COMPLIANCE WITH ILLINOIS LAW ON:

HISTORIC PRESERVATION	YES	NO_http://www.illinoishistory.gov/PS/rcdocument.htm
ENDANGERED SPECIES	YES	NO_http://dnrecocat.state.il.us/ecopublic/

DOES YOUR STORM WATER DISCHARGE DIRECTLY TO: ☐ WATERS OF THE STATE OR ☐ STORM SEWER

RECEIVING WATER INFORMATION

OWNER TO STORM SEWER SYSTEMS:

NAME OF CLOSEST RECEIVING WATERBODY TO WHICH YOU DISCHARGE:

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.

OWNER SIGNATURE: **DATE:**

SUBMIT ELECTRONICALLY TO:
epa.constilr10swppp@illinois.gov

OR MAIL COMPLETED FROM TO:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
ATTN: PERMIT SECTION
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276
www.epa.state.il.us

FOR OFFICE USE ONLY

LOG:

PERMIT NO. ILR10 ___ ___ ___ ___

DATE:

Information required by this form must be provided to comply with 415 ILCS 5/39(1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.
IL 532 2104

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
NOTICE OF TERMINATION (NOT)
OF COVERAGE UNDER THE GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION SITE ACTIVITIES

OWNER INFORMATION

NAME:	LAST	FIRST	MIDDLE		OWNER TYPE:	
MAILING ADDRESS:						
CITY:		STATE:			ZIP:	
CONTACT PERSON:				TELEPHONE NUMBER:	AREA CODE	NUMBER

CONTRACTOR INFORMATION

CONSTRUCTION SITE INFORMATION

FACILITY NAME:		OTHER NPDES PERMIT NOS.:	I	L	R	1	0					
FACILITY LOCATION:												
CITY: STATE:	L	ZIP:	LATITUDE:					LONGITUDE:				
COUNTY:		SECTION:		TOWNSHIP:				RANGE:				

DATE PROJECT HAS BEEN COMPLETED AND STABILIZED:

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.

OWNER SIGNATURE: **DATE:**

MAIL COMPLETED FORM TO:

(DO NOT SUBMIT ADDITIONAL DOCUMENTATION UNLESS REQUESTED)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
ATTN: PERMIT SECTION
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

FOR OFFICE USE ONLY

LOG:

PERMIT NO. ILR10 __ __ __ __

DATE:

Information required by this form must be provided to comply with 415 ILCS 5/39(1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
CONSTRUCTION SITE STORM WATER DISCHARGE
INCIDENCE OF NON-COMPLIANCE (ION)

PERMITTEE NAME:	LAST			FIRST			MIDDLE INITIAL							AREA CODE + PHONE NUMBER:				
STREET:									CITY:						ST:		ZIP:	
CONSTRUCTION SITE NAME:																		
COUNTY:										SECTION:				TOWNSHIP:			RANGE:	
NPDES PERMIT NUMBER:	I	L	R	1	0				LATITUDE:	DEG.	MIN.	SEC.		LONGITUDE:	DEG.		MIN.	SEC.

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:

SIGNATURE: TITLE: DATE:

FOR OFFICE USE ONLY

MAIL COMPLETED FORM TO:

(DO NOT SUBMIT ADDITIONAL DOCUMENTATION UNLESS REQUESTED)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
COMPLIANCE ASSURANCE SECTION #19
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

LOG:

PERMIT NO. ILR10___ ___ ___ ___

DATE:

Information required by this form must be provided to comply with 415 ILCS 5/39(1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

COOK COUNTY
BUREAU OF ADMINISTRATION
DEPARTMENT OF HIGHWAYS

Storm Water Pollution Prevention Plan

Project: Quentin Road
Limits: Illinois Ave. to Northwest Hwy.
Section:
Location: Palatine, IL
County: Cook

This plan has been prepared to comply with the provisions of the National Pollutant Discharge Elimination System (NPDES) ILR1 0 Permit, issued by the Illinois Environmental Protection Agency for storm water discharges from Construction Site Activities.

I certify that under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature — Date: 8/8/11

Superintendent of Highways

Title

1. SITE DESCRIPTION

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

It is proposed to completely remove the existing M-7 median and Combination Concrete Curb and Gutter, Type B-6.24, mill the existing C-4 median flush with the adjacent pavement surface and patch distressed P.C.C. pavement with Class C Patches (10 In.). The curb and gutter will then be reconstructed with Combination Concrete Curb and Gutter, Type B-6.24 and the pavement resurfaced with ¾ In. Polymerized Leveling Binder (Machine Method), IL-4.75, N50 and 2 ¼ In. Polymerized Hot-Mix Asphalt Surface Course, IL-9.5 or 12.5, Mix E, N90. Also included will be parkway restoration with topsoil and sod, removal and replacement of loop detectors and pavement striping.

The following is a description of the intended sequence of major activities which will disturb soils for major portions of the construction site, such as grubbing, excavation, and grading: *(To be completed by the Resident Engineer and Contractor.)* _____

The total area of the project is __ (acres). The total area of the site expected to be disturbed by excavation, grading, or other soil breaking activities is _**1.0**__ (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 _____ _____ , _____, _____ ,and _____ .

The design/project report and plan documents are incorporated by reference and contain site maps, drainage patterns, approximate slopes before and after major grading activities, areas of major soil disturbance, locations of stabilization practices to be implemented during construction, location of all surface waters and wetlands within project limits, and location of storm water outfalls.

The names of receiving water(s) and aerial extent of wetland acreage at the site are also in the project report and plan documents. Receiving waters: _____. The proposed improvements are located within the Salt Creek watershed _____ sub-watershed.

The primary storm water discharge points are as follows:

Sta. 61+32.15
Sta. 61+87.39
Sta. 200+65.26
Sta. 200+30.43

2. CONTROLS

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.

Sodding (for residential areas) – Sodding shall be used to stabilize all disturbed areas within 24 hours of final grading. 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.

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: _____

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).

3. 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.

(a) During construction the Contractor shall:

1) Clean up and grade the work area to eliminate concentration of runoff.
2) Cover the open ends of pipes in trenches at the close of each workday.
3) Maintain or replace erosion and sediment control items.

(b) Prior to any landscaping/restoration work, the Contractor shall:

1) Remove and dispose of silt retained by the temporary ditch checks as directed by the resident engineer.
2) 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 1/2 in. or greater rainfall event, or an equivalent snowfall (5 in.).

Inspection procedures shall be followed as outlined below.

4. 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 1/2 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

5. NON-STORM WATER DISCHARGES

Except for flows from fire fighting activities, sources of non-storm water that is combined with storm water discharges associated with the industrial activity addressed in the plans are described below. Appropriate

pollution prevention measures, as described below, will be implemented for the non-storm water component(s) of the discharge.

The only source of non-storm water discharge within the project limits will be from watering of seeding or for erosion control and landscaping purposes.

EVIDENCE OF COMPLIANCE WITH OTHER LAWS

Endangered Species Act

As part of the Biological Resource Review for the project, an evaluation of habitat for federally listed endangered and threatened species was conducted by the U.S. Fish and Wildlife Service. No suitable habitat for species listed as occurring in Cook County was found to be present.

National Historic Properties Act of 1966

A cultural resource review was made for this project as part of the planning process. It included research and documentation concerning historical and archeological resources and sites, and a field archeological survey. The project received concurrence from the Illinois State Historic Preservation Officer that no historic properties subject to protection under Section 106 of the National Historic Preservation Act of 1966, as amended, will be affected by the proposed construction activities.

State Endangered and Threatened Species

The Illinois Department of Natural Resources participated in the Biological Resources Review encompassing the entire_____improvement and requested coordination with the Cook County Highway Department due to potential impacts to:

N/A

(impacted areas) This

area is located: N/A

(description here with reference to the project road)

Early coordination was completed with all necessary clearance received from the IDNR on: N/A

(clearance letter date here)

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 # N/A as approved by the US Army Corps of Engineers on N/A.

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.

References

1.) *Standard Specifications for Road and Bridge Construction*, Illinois Department of Transportation, January 1, 1997
2.) *Illinois Urban Manual*, United States Department of Agriculture – Natural Resources Conservation Service, September 1995
3.) *National Pollutant Discharge Elimination System (NPDES) Storm Water Permit No. ILR10*, Illinois Environmental Protection Agency – Division of Water Pollution Control

SPECIAL PROVISION
FOR
SODDING

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

252.09 Supplemental Watering. Revise the third sentence to read:

When the supplemental watering is specified on the plans, the water shall be applied at the total rate of 10 gallons per square yard (45 liters per square meter) within 24 hours of notice.

252.11 Inspection. Revise the first paragraph to read:

The Contractor shall notify the Cook County Highway Department of the localities from which the sod is to be obtained so that an authorized representative of the Highway Department can inspect the field for approval. All sod shall be fresh and green when delivered. Any sod that is dried out, burned, brown or inferior in quality to the approved sod field, or in any way fails to meet the requirements of the specifications, will be rejected and removed from the job immediately and shall be replaced with suitable sod at the Contractor's expense.

To insure the delivery of suitable field sod, three weeks before cutting, the Contractor or the Supplier shall apply sufficient weed killer to eradicate existing common weeds. Seven days after the weed killer is applied, sufficient fertilizer shall be spread over the field to insure green sod prior to any delivery.

Only 2 year growing season or older approved nursery grown sod shall be placed on parkways and median strips adjacent to residential property, parks or other special areas as designated by the Engineer.

SPECIAL PROVISION
FOR
WORK ZONE TRAFFIC CONTROL

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 PROTECTION

General. This item of work shall include furnishing, installing, maintaining, replacing, relocating and removing all traffic control devices used for the purpose of regulating, warning or directing traffic and protecting workers during the construction or maintenance of this improvement.

Traffic protection shall be provided as called for in the plans, these Special Provisions, applicable Traffic Control Highway Standards, applicable sections of the Standard Specifications, or as directed by the Engineer.

The governing factor in the execution and staging of work for this project is to provide the motoring public with the safest possible travel conditions along the roadway through or around the construction zone. The Contractor shall arrange his operations to keep the closing of any lane of the roadway to a minimum. Where the traffic of any building in the area of the proposed improvement is of an emergency nature, such as a Hospital, Fire or Police Station traffic, the Contractor shall provide for free movement of such traffic during the course of construction.

Traffic Control Devices include signs and their supports, signals, pavement markings and markers, traffic cones, barricades with sand bags, plastic drums, channelizing devices, warning lights, arrow boards, flaggers, or any other device used for the purpose of regulating, detouring, warning or guiding traffic through or around the construction zone.

The Contractor is required to conduct routine inspections of the worksite at a frequency that will allow for the prompt replacement of any traffic control device that has become displaced, worn or damaged to the extent that it no longer conforms to the shape, dimensions, color and operational requirements of the "Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD), the Traffic Control Standards and the "Quality Standard for Work Zone Traffic Control Devices" issued by the Illinois Department of Transportation or will no longer present a neat appearance to motorists. A sufficient quantity of replacement devices, based on vulnerability to damage, shall be readily available to meet this requirement.

The Contractor shall be responsible for the proper location, installation and arrangement of all traffic control devices. Special attention shall be given to advance warning signs during construction operations in order to keep lane assignment consistent with barricade placement at all times. The Contractor shall immediately remove, cover or turn from the view of the motorists all traffic control devices which are inconsistent with detour or lane assignment patterns and conflicting conditions during the transition from one construction stage to another. When the Contractor elects to cover conflicting or inappropriate signing, materials used shall totally block out reflectivity of the sign and shall cover the entire sign. The method used for covering the signing shall meet with the approval of the Engineer.

The Contractor shall coordinate all traffic control work on this project with adjoining or overlapping projects, including barricade placement necessary to provide a uniform traffic detour pattern. When directed by the Engineer, the Contractor shall remove all traffic control devices which were furnished, installed and maintained by him under this contract, and such devices shall remain the property of the Contractor. All

traffic control devices shall remain in place until specific authorization for relocation or removal is received from the Engineer.

The Contractor shall ensure that all traffic control devices installed by him are functional and effective 24 hours each day.

107.15 Dirt on Pavement or Structures. Add the following after the first paragraph of this Article.

When ordered by the Engineer, the Contractor shall use some method to allay dust and prevent a nuisance. This shall be done preferably by sprinkling the Subgrade or the portion of pavement used by trucks or busses with water. If conditions warrant, this shall receive constant attention by the Contractor. Calcium Chloride shall not be used for this purpose. No extra compensation shall be allowed the Contractor for this work.

Signs. All signs except those referring to daily lane closures shall be post mounted in accordance with Standard 702001 for all projects that exceed four days.

Construction signs referring to daytime lane closures during working hours shall be removed, covered or turned away from the view of the motorists during non-working hours.

Prior to the beginning of construction operations, the Contractor will be provided a sign log of all existing signs within the limits of the construction zone. The Contractor is responsible for verifying the accuracy of the sign log. Throughout the duration of this project, all existing traffic signs shall be maintained by the Contractor. All provisions of Article 107.25 of the Standard Specifications shall apply except the third paragraph shall be revised to read: "The Contractor shall maintain, furnish and replace at his own expense, any traffic sign, or post which has been damaged or lost by the Contractor or a third party".

"Fresh Oil" signs (W21-2) shall be used when prime is applied to pavement that is open to traffic. The signs are to remain until tracking of the prime ceases. The sign shall be erected a minimum of 150m (500 feet) preceding the start of the prime and on all side roads within the posted area. The "Fresh Oil" sign on the side road shall be posted a minimum of 60m (200 feet) from the mainline pavement.

"Rough Grooved Surface" signs (W8-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 150m (500 feet) preceding the start of the milled pavement and on all side roads within the posted area. The "Rough Grooved Surface" signs on the side roads shall be posted 60m (200 feet) from the mainline pavement. All signs shall have a 450mm x 450mm (18" x 18") orange flag and amber flashing light attached.

Whenever a lane is closed to traffic using Standard 701606, 701601, or 701701, the pavement width transition sign (W4-2R or W4-2L) shall be used in lieu of "Workers" sign (W21-1 or W21-1a).

Whenever any vehicle, equipment, workers or their activities infringe on the shoulder or within 4.5m (15 feet) of the traveled way and the traveled way remains unobstructed, then the applicable Traffic Control Standard shall be 701006, 701011, 701101, or 701701. "Shoulder Work Ahead" sign (W21-5(0)-48) shall be used in lieu of the "Workers" sign (W21-1 or W-21-1a).

The Contractor shall provide and erect any other signs that are required for traffic safety operations and the conveyance of traffic information to the motorist, which may not be included in the Traffic Control Standards. The requirement for these signs shall be determined by and installed at the direction of the Engineer.

Barricades:. Any drop off greater than 75mm (3 inches), but less than 150mm (6 inches) within 2.5m (8 feet) of the pavement edge shall be protected by Type I or II barricades equipped with mono-directional steady burn lights at 30m (100 foot) center to center spacing. If the drop off within 2.5m (8 feet) of the pavement edge exceeds 150mm (6 inches), the barricades mentioned above shall be placed at 15m (50 foot) center to center spacing. Barricades that must be placed in excavated areas shall have leg extensions installed such that the top of the barricade is in compliance with the height requirements of Standard 702001. In addition to the placement of barricades as described above, pavement drop off signs (W8-9a) shall be used along with the barricades and at the direction of the Engineer.

Placement of all signs, barricades or drums shall proceed in the direction of flow of traffic. Removal of all signs, barricades or drums shall start at the end of the construction areas and proceed toward oncoming traffic unless otherwise directed by the Engineer.

All Type I and Type II barricades, drums and vertical panels shall be equipped with a steady burn light when used during hours of darkness unless otherwise stated herein.

Check barricades shall be placed in work areas perpendicular to traffic every 300m (1,000 feet), one per lane and per shoulder, to prevent motorists from using work areas as a traveled way. Two additional check barricades shall be placed in advance of each patch excavation or any other hazards in the work area, the first at the edge of the open traffic lane and the second centered in the closed lane. Check barricades shall be Type I or II and equipped with a flashing light.

Arrow Boards. A flashing arrow board shall be operating at all times when a lane is closed to traffic on a multilane highway. Arrow boards shall be provided and located in a head-on position within each lane closure taper.

Temporary Concrete Barrier Vertical Panels and Lights. Whenever temporary concrete barrier is specified in the plans, vertical panels and steady burning lights meeting the requirement of Articles 1106.01 and 1106.02 of the Standard Specifications and Standard 702001 shall be installed on the barrier at 15m (50 foot) centers minimum or at the spacing shown on the plans. The method of mounting shall be approved by the Engineer. Upon conclusion of the work, the panels and lights shall be removed and shall remain the property of the Contractor.

Pedestrian Sidewalk Control. The Contractor shall install, maintain and remove necessary signs and barricades needed to direct pedestrians to usable sidewalks and walkways during the construction in accordance with Traffic Control Standard Case 701801 or as directed by the Engineer. The Contractor shall make adequate provision for the free passage of foot traffic at all intersecting streets which are to remain open to traffic. The materials or equipment used in the construction of this improvement shall be so placed as to afford access to abutting private 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 Sixth paragraph of this Article to read as follows:

The following vertical and horizontal restrictions shall pertain to roads as defined in the Illinois Highway Code, Article 2, Division 1, Section 2-101, 2-102, and 2-103 when construction is being performed with the road open to traffic.

The Contractor shall provide a telephone number where a responsible individual can be contacted on a 24-hour-a-day basis to receive notification of any deficiencies regarding traffic control and protection. The Contractor shall dispatch workers, materials and equipment to correct any such deficiencies. The Contractor shall respond to any call from the Department concerning any request for improving or correcting traffic control devices and begin making the requested repairs within two hours from the time of notification.

Personal vehicles shall not park within the right-of-way except in specific areas designated by the Engineer.

The contractor shall maintain at least one lane of traffic at all times on two lane roads and at least one lane in each direction on 4 or more lane roads, during the construction of this project. The Contractor shall also maintain areas to entrances and side roads along the proposed improvement. Interference with traffic movements and inconvenience to owners of abutting property and the public shall be kept to a minimum. Any delays or inconveniences caused to the Contractor by complying with these requirements shall be considered as incidental to the contract, and no additional compensation will be allowed.

On two lane roads, the Contractor is to plan the work so that there will be no open holes in the pavement and that all barricades will be removed from the pavement during non-work hours.

On four or more lane highways, there shall be no open holes in the pavement being used by the traveling public. Lane closures, if allowed, will be in accordance with the applicable standards, any staging details shown in the plans and other applicable contract documents.

The Contractor shall remove all equipment from the shoulders and medians after work hours.

No road closures nor restrictions shall be permitted except those covered by the Traffic Control Highway Standards without written approval by the Engineer.

When traveling in lanes open to public traffic, the Contractor's vehicles shall always move with and not against or across the flow of traffic. These vehicles shall enter or leave work areas in a manner which will not be hazardous to, nor interfere with, traffic.

Pavement Markings. Temporary Pavement Marking Paint used on temporary or unfinished surfaces shall be maintained to the highest degree of visibility and reflectivity and on long term projects shall be repainted when the temporary pavement marking shows signs of deterioration or at a minimum of every three (3) months and as directed by the Engineer at no additional cost and is considered as incidental to the cost of Traffic Protection.

Temporary pavement marking shall be applied as solid unbroken lines when used to delineate any pavement transition, turn lane transition and storage bay. Double yellow centerline shall be used across a bridge deck where the distance to be marked is less than 160 feet.

Temporary raised reflective bi-directional (amber) pavement markers (Section 781 and Article 1096.02 of the Standard Specifications) shall be used, and replaced when required, throughout a temporary by-pass detour pavement at no additional cost.

Method of Measurement. Delete: Article 701.19 Method of Measurement

Traffic Protection will not be measured for payment but shall include the furnishing, installing, maintaining, relocation and removal of traffic control devices required in the plans and these special provisions and all temporary paint pavement marking lines, letters and symbols.

Basis of Payment. Delete: Article 701.20 Basis of Payment

This work will be paid for at the lump sum price for TRAFFIC PROTECTION, which price shall be payment in full for all labor, materials, transportation, handling and incidentals necessary to furnish, install, maintain, replace, relocate and remove all traffic control devices when required, such as signing, arrow boards, barricades, plastic drums, road closures, paint pavement marking lines and letters and symbols (Section 780 and Article 1095.02 of the Standard Specifications), temporary concrete barrier vertical panels and lights (Standard 702001), flexible delineators (Standard 702001), prismatic barrier reflectors (Sections 782 and 1097 of the Standard Specifications), temporary raised reflective pavement markers (Section 781 and Article 1096.02 of the Standard Specifications) and all traffic control devices indicated in the plans and specifications. The salvage value of all material removed (including existing traffic signs - when removal is required) shall be reflected in the bid price for this item.

Delays to the Contractor caused by complying with these requirements will be considered incidental to the item for Traffic Protection, and no additional compensation will be allowed.

Payment Adjustments. The Engineer may require additional traffic control to be installed in accordance with standards and/or designs other than those included in the plans. In such cases, the standards and/or designs will be made available to the Contractor at least one week in advance of the change in traffic control. Payment for any additional traffic control required will be in accordance with Article 109.04 of the Standard Specifications.

Revisions in the phasing of construction or maintenance operations, requested by the Contractor, may require traffic control to be installed in accordance with standards and/or designs other than those included in the plans. Revisions or modifications to the traffic control shown in the contract shall be submitted by the Contractor for approval by the Engineer. No additional payment will be made for a Contractor requested modification.

In the event the sum total value of all the work items for which traffic protection is required is increased or decreased by more than ten percent (10%), the contract bid price for Traffic Protection will be adjusted as follows:

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

Where "P" is the contract price for Traffic Protection

Difference between original and final sum total

value of all the work items for which

Where "X" = protection is required.

Original sum total value of all work items for which traffic protection is required.

The value of work items used in calculating the increase or decrease will include only items which have been added to or deducted from the contract under Article 104.02 of the Standard Specifications and only items which require use of Traffic Protection.

In the event the Department cancels or alters any portion of the contract which results in elimination or noncompletion of any portion of the work, payment for partially completed work will be made in accordance with Article 109.06 of the Standard Specifications.

SPECIAL PROVISION
FOR
THERMOPLASTIC PAVEMENT MARKINGS

Revise Article 1095.01(a)(2) of the Standard Specifications to read:

"(2) Pigment. The pigment used for the white thermoplastic compound shall be a high grade pure (minimum 93 percent) titanium dioxide (Ti02). The white pigment content shall be a minimum of ten percent by weight and shall be uniformly distributed throughout the thermoplastic compound.

The pigments used for the yellow thermoplastic compound shall not contain any hazardous materials listed in the Environmental Protection Agency Code of Federal Regulations (CFR) 40, Section 261.24, Table 1. The combined total of RCRA listed heavy metals shall not exceed 100 ppm when tested by X-ray fluorescence spectroscopy. The pigments shall also be heat resistant, UV stable and color-fast yellows, golds, and oranges, which shall produce a compound which shall match Federal Standard 595 Color No. 33538. The pigment shall be uniformly distributed throughout the thermoplastic compound."

Revise Article 1095.01(b)(1)e. of the Standard Specifications to read:

" e. Daylight Reflectance and Color. The thermoplastic compound after heating for four hours ± five minutes at 425 ± 3 °F (218.3 ± 2 °C) and cooled at 77 °F (25 °C) shall meet the following requirements for daylight reflectance and color, when tested, using a color spectrophotometer with 45 degree circumferential/zero degree geometry, illuminant C, and two degree observer angle. The color instrument shall measure the visible spectrum from 380 to 720 nm with a wavelength measurement interval and spectral bandpass of 10 nm.

White:	Daylight Reflectance	75 percent min. *
Yellow:	Daylight Reflectance	45 percent min.

*Shall meet the coordinates of the following color tolerance chart.

x	0.490	0.475	0.485	0.530
y	0.470	0.438	0.425	0.456"

Revise Article 1095.01(b)(1)k. of the Standard Specifications to read

" k. Accelerated Weathering. After heating the thermoplastic for four hours ± five minutes at 425 ± 3 °F (218.3 ± 2 °C) the thermoplastic shall be applied to a steel wool abraded aluminum alloy panel (Federal Test Std. No. 141, Method 2013) at a film thickness of 30 mils (0.70 mm) and allowed to cool for 24 hours at room temperature. The coated panel shall be subjected to accelerated weathering using the light and water exposure apparatus (fluorescent UV - condensation type) for 75 hours according to ASTM G 53 (equipped with UVB-313 lamps).

The cycle shall consist of four hours UV exposure at 122 °F (50 °C) followed by four hours of condensation at 104 °F (40 °C). UVB 313 bulbs shall be used. At the end of the exposure period, the panel shall not exceed 10 Hunter Lab Delta E units from the original material."

SPECIAL PROVISION
FOR
RETROREFLECTIVE SHEETING, NONREFLECTIVE SHEETING, AND TRANSLUCENT OVERLAY FILM FOR HIGHWAY SIGNS

General. This special provision covers retroreflective sheeting and translucent overlay films intended for application on new or refurbished aluminum. The sheeting serves as the reflectorized background for sign messages and as cutout legends and symbols applied to the reflectorized background. Messages may be applied in opaque black or transparent colors.

This special provision also covers nonreflective sheeting for application on new or refurbished aluminum, and as material for cutout legends and symbols applied to the reflectorized background.

All material furnished under this specification shall have been manufactured within 18 months of the delivery date. All material shall be supplied by the same manufacturer.

Retroreflective Sheeting Properties. Retroreflective sheeting shall consist of a flexible, colored, prismatic, or glass lens elements adhered to a synthetic resin, encapsulated by a flexible, transparent plastic having a smooth outer surface and shall meet the following requirements.

Only suppliers whose products have been tested and approved in the Department's periodic Sheeting Study will be eligible to supply material. All individual batches and or lots of material shall be tested and approved by the Department. The Department reserves the right to sample and test delivered materials according to Federal Specification LS-300.

(a) Adhesive. The sheeting shall have a Class 1, pre-coated, pressure sensitive adhesive according to ASTM D 4956. The adhesive shall have a protective liner that is easily removed when tested according to ASTM D 4956. The adhesive shall be capable of being applied to new or refurbished aluminum and reflectorized backgrounds without additional adhesive.

(b) Color. The sheeting shall be uniform in color and devoid of streaks throughout the length of each roll. The color shall conform to the latest appropriate standard color tolerance chart issued by the U.S. Department of Transportation, Federal Highway Administration and to the daytime and nighttime color requirements of ASTM D 4956. Sheeting used for side by side overlay applications shall have a Hunter Lab Delta E of less than 3.

(c) Coefficient of Retroreflection. When tested according to ASTM E 810, without averaging, the sheeting shall have a minimum coefficient of retroreflection as shown in the following tables. The brightness of the sheeting when totally wet shall be a minimum of 90 percent of the values shown when tested according to the standard rainfall test specified in Section 7.10.1 of AASHTO M 268-84.

Type A Sheeting	Entrance Angle (deg.)	White	Yellow	Orange	Red	Green	Blue	Brown
0.2	-4	250	170	100	45	45	20	12
0.2	+30	150	100	60	25	25	12	8.5
0.5	-4	95	65	30	15	15	8	5

0.5	+30	75	50	25	10	10	5	3.5

Type AA Sheeting
Minimum Coefficient of Retroreflection
candelas/foot candle/sq ft (candelas/lux/sq m) of material
Type AA (0 and 90 degree rotation)

Observation Angle (deg.)	Entrance Angle (deg.)	White	Yellow	Red	Green	Blue	FO
0.2	-4	800	660	215	80	43	200
0.2	+30	400	340	100	35	20	120
0.5	-4	200	160	45	20	9.8	80
0.5	+30	100	85	26	10	5.0	50

Type AA (45 degree rotation)

Observation Angle (deg.)	Entrance Angle (deg.)	Yellow	FO
0.2	-4	550	165
0.2	+30	130	45
0.5	-4	145	70
0.5	+30	70	40

Type AP Sheeting
Minimum Coefficient of Retroreflection
candelas/foot candle/sq ft (candelas/lux/sq m) of material
Type AP

Observation Angle (deg.)	Entrance Angle (deg.)	White	Yellow	Red	Green	Blue	Brown	FO
0.2	-4	550	425	100	75	50	30	275
0.2	+30	200	150	40	35	25	15	90
0.5	-4	300	250	60	35	25	20	150
0.5	+30	100	70	20	20	10	5	50

Type AZ Sheeting
Minimum Coefficient of Retroreflection
candelas/foot candle/sq ft (candelas/lux/sq m) of material
Type AZ (0 degree rotation)

Observation Angle (deg.)	Entrance Angle (deg.)	White	Yellow	Red	Green	Blue	FYG	FY
0.2	-4	430	350	110	45	20	325	240
0.2	+30	235	140	60	24	11	200	150
0.5	-4	250	200	60	25	10	235	165
0.5	+30	170	135	40	19	7	105	75
1.0	-4	70	45	10	10	4	70	30
1.0	+30	30	20	7	5	2.5	45	15

Type AZ (90 degree rotation)

Observation	Entrance Angle (deg.)	White	Yellow	Red	Green	Blue	FYG	FY
0.2	-4	320	250	100	45	20	300	220
0.2	+30	235	140	40	24	11	200	150
0.5	-4	240	200	60	25	10	235	165

0.5	+30	100	85	20	10	7	80	75
1.0	-4	30	30	7	5	4	65	20
1.0	+30	15	15	5	2	2	30	10

(d) Gloss. The sheeting surface shall exhibit a minimum 85 degree gloss-meter rating of 50 when tested according to ASTM D 523.

(e) Durability. When processed and applied, the sheeting shall be weather resistant.

Accelerated weathering testing will be performed for 1000 hours (300 hours for orange/FO) according to ASTM G 151. The testing cycle will consist of 8 hours of light at 140 °F (60 °C), followed by 4 hours of condensation at 104 °F (40 °C). Following accelerated weathering, the sheeting shall exhibit a minimum of 80 percent of its initial minimum coefficient of retroreflection as listed in the previous tables.

Outdoor weathering will entail an annual evaluation of material placed in an outdoor rack with a 45 degree angle and a southern sun exposure. The sheeting will be evaluated for five years. Following weathering, the test specimens will be cleaned by immersing them in a five percent hydrochloric acid solution for 45 seconds, then rinsed with water and blotted dry with a soft clean cloth. Following cleaning, the applied sheeting shall show no appreciable discoloration, cracking, streaking, crazing, blistering, or dimensional change. The sheeting shall exhibit a Hunter Lab Delta E of 5 or less when compared to the original.

(f)Shrinkage. When tested according to ASTM D 4956, the sheeting shall not shrink in any dimension more than 1/32 in. (0.8 mm) in ten minutes and not more than 1/8 in. (3 mm) in 24 hours.

(g)Workability. The sheeting shall show no cracking, scaling, pitting, blistering, edge lifting, inter-film splitting, curling, or discoloration when processed and applied using mutually acceptable processing and application procedures.

(h) Splices. A single roll of sheeting shall contain a maximum of four splices per 50 yd (45 m) length. The sheeting shall be overlapped a minimum of 3/16 in. (5 mm) at each splice.

(i)Adhesive Bond. The sheeting shall form a durable bond to smooth, corrosion and weather-resistant surfaces and adhere securely when tested according to ASTM D 4956.

(j)Positionability. Sheeting, with ASTM D 4956 Class 3 adhesive, used for manufacturing cutout legends and borders shall provide sufficient positionability during the fabrication process to permit removal and reapplication without damage to either the legend or sign background and shall have a plastic liner suitable for use on bed cutting machines. Thereafter, all other adhesive and bond requirements contained in the specification shall apply.

Positionablility shall be verified by cutting 4 in. (100 mm) letters E, I, K, M, S, W, and Y out of the positionable material. The letters shall then be applied to a sheeted aluminum blank using a single pass of a two pound roller. The letters shall sit for five minutes and then a putty knife shall be used to lift a corner. The thumb and fore finger shall be used to slowly pull the lifted corner to lift letters away from the sheeted aluminum. The letters shall not tear or distort when removed.

(k) Thickness. The thickness of the sheeting without the protective liner shall be less than or equal to 0.015 in. (0.4 mm), or 0.025 in. (0.6 mm) for prismatic material.

(l) Processing. The sheeting shall permit cutting and color processing according to the sheeting manufacturer's specifications at temperatures of 60 to 100 °F (15 to 38 °C) and within a relative humidity range of 20 to 80 percent. The sheeting shall be heat resistant and permit forced curing without staining the applied or unapplied sheeting at temperatures recommended by the manufacturer. The sheeting shall be solvent resistant and capable of being cleaned with VM&P naptha, mineral spirits, and turpentine.

Transparent color and opaque black inks shall be single component and low odor. The inks shall dry within eight hours and not require clear coating. After color processing on white sheeting, the sheeting shall show no appreciable discoloration, cracking, streaking, crazing, blistering, or dimensional change when tested for durability (e). The ink on the weathered, prepared panel shall exhibit a Hunter Lab Delta E of 5 or less when compared to the original.

Transparent color electronic cutting films shall be acrylic. After application to white sheeting, the films shall show no appreciable discoloration, cracking, streaking, crazing, blistering, or dimensional change when tested for durability (e). The films on the weathered, prepared panel shall exhibit a Hunter Lab Delta E of 5 or less when compared to the original.

Transparent colors screened, or transparent acrylic electronic cutting films, on white sheeting, shall have a minimum initial coefficient of retroreflection values of 50 percent for yellow and red, and a minimum 70 percent for green, blue, and brown of the 0.2 degree observation angle/-4.0 degree entrance angle values as listed in the previous tables for the color being applied. After durability testing, the colors shall retain a minimum 80 percent of the initial coefficient of retroreflection.

(m) Identification. The sheeting shall have a distinctive overall pattern in the sheeting unique to the manufacturer. If material orientation is required for optimum retroreflectivity, permanent orientation marks shall be incorporated into the face of the sheeting. Neither the overall pattern nor the orientation marks shall interfere with the reflectivity of the sheeting.

(n) Packaging. Both ends of each box shall be clearly labeled with the sheeting type, color, adhesive type, manufacturer's lot number, date of manufacture, and supplier's name. Material Safety Data Sheets and technical bulletins for all materials shall be furnished to the Department with each shipment.

Nonreflective Sheeting Properties. Nonreflective sheeting shall consist of a flexible, pigmented cast vinyl film having a smooth, flat outer surface and shall meet the following requirements.

The Department reserves the right to sample and test delivered materials according to Federal Specification LS-300.

(a) Adhesive. The sheeting shall have a Class 1, pre-coated, pressure sensitive adhesive according to ASTM D 4956. The adhesive shall have a protective liner that is easily removed when tested according to ASTM D 4956. The adhesive shall be capable of being applied to new or refurbished aluminum and reflectorized backgrounds without additional adhesive.

(b) Color. The sheeting shall be uniform in color and devoid of streaks throughout the length of each roll.

(c) Gloss. The sheeting shall exhibit a minimum 85 degree gloss-meter rating of 40 when tested according to ASTM D 523.

(d) Durability. Applied sheeting that has been vertically exposed to the elements for seven years shall show no appreciable discoloration, cracking, crazing, blistering, delamination, or loss of adhesion. A slight amount of chalking is permitted but the sheeting shall not support fungus growth.

(e) Testing. Test panels shall be prepared by applying the sheeting to 6 1/2 x 6 1/2 in. (165 x 165 mm) pieces of aluminum according to the manufacturer's specifications. The edges of the panel shall be trimmed evenly and aged 48 hours at 70 to 90 °F (21 to 32 °C). Shrinkage and immersion testing shall be as follows.

(1) Shrinkage. The sheeting shall not shrink more then 1/64 in. (0.4 mm) from any panel edge when subjected to a temperature of 150 °F (66 °C) for 48 hours and shall be sufficiently heat resistant to retain adhesion after one week at 150 °F (66 °C).

(2) Immersion Testing. The sheeting shall show no appreciable decrease in adhesion, color, or general appearance when examined one hour after being immersed to a depth of 2 or 3 in. (50 or 75 mm) in the following solutions at 70 to 90 °F (21 to 32 °C) for specified times.

Solution	Immersion Time (hours)
Reference Fuel (M I L-F-8799A) (15 parts	1
Distilled Water	24
SAE No. 20 Motor Oil	24
Antifreeze (1/2 ethylene glycol, 1/2 distilled water)	24

(f) Adhesive Bond: The sheeting shall form a durable bond to smooth, corrosion and weather-resistant surfaces and adhere securely when tested according to ASTM D 4956.

(g) Thickness. The thickness of the sheeting without the protective liner shall be a maximum of 0.005 in. (0.13 mm).

(h) Cutting. Material used on bed cutting machines shall have a smooth plastic liner.

(i) Identification. The sheeting shall have a distinctive overall pattern in the sheeting unique to the manufacturer. If material orientation is required for optimum retroreflectivity, permanent orientation marks shall be incorporated into the face of the sheeting. Neither the overall pattern nor the orientation marks shall interfere with the reflectivity of the sheeting.

(j) Packaging. Both ends of each box shall be clearly labeled with the sheeting type, color, adhesive type, manufacturer's lot number, date of manufacture, and supplier's name. Material Safety Data Sheets and technical bulletins for all materials shall be furnished to the Department with each shipment.

SPECIAL PROVISION
FOR
RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

This item shall consist of removing existing raised reflective pavement markers, including base casting and reflective element, in accordance with Section 783 of the "Standard Specifications for Road and Bridge Construction", except that the pavement shall be repaired to the satisfaction of the Engineer with EPOXY that has similar color as pavement and shall be approved by the Engineer prior to use.

SPECIAL PROVISION
FOR
REPLACEMENT OF RAISED REFLECTIVE PAVEMENT MARKER

This item shall consist of removing existing raised reflective pavement marker castings, repairing the pavement with EPOXY that has similar color as pavement after the existing casting has been removed, and installing a new snowplow resistant raised reflective pavement marker complete with reflector within the limits as shown on plans or as directed by the Engineer. The proposed casting shall match the model of the existing casting model installed in the pavement.

The removal of the damaged raised pavement marker casting shall meet the requirements of Section 783 and the installation of the proposed raised pavement marker casting shall meet the requirements of the Section 781 of the "Standard Specifications for Road and Bridge Construction". To ensure proper installation of the proposed raised pavement marker, the marker shall be located fore or aft of the existing casting location and on the existing alignment or as directed by the engineer.

This item also includes replacement of missing raised reflective pavement marker castings

SPECIAL PROVISION
FOR
TRAFFIC SIGNAL WORK GENERAL

All work and equipment performed and installed under this contract, shall be governed and shall comply to the State of Illinois "Standard Specifications for Road and Bridge Construction" latest edition, herein referred to as the Standard Specifications; the State of Illinois "Manual on Uniform Traffic Control Devices for Streets and Highways", latest edition; the "National Electrical Code" latest edition herein referred to as the NEC; the National Electrical Manufacturers Association, herein referred to as NEMA (all publications for traffic control items) latest editions; the International Municipal Signal Association, herein referred to as IMSA "Official Wire & Cable Specifications Manual" latest edition; the Institute of Transportation Engineers, herein referred to as the ITE, Technical Report No.1, "A Standard for Adjustable Face Vehicular Traffic Control Heads"; AASHTO "Standard Specifications for Structural Supports for Highway Signs, Luminaries and Traffic Signals" and the "Supplemental Specifications" and "Recurring Special Provisions" noted herein.

The following Special Provisions supplement the above specifications, manuals, and code. The intent of these Special Provisions is to prescribe the materials and construction methods commonly used for traffic signal installations. All material furnished shall be new. The locations and the details of all installations shall be as indicated on the Plans or as directed by the Engineer. Traffic signal construction and maintenance work shall be performed by personnel holding IMSA Traffic Signal Technician Level II certification. The work to be done under this contract consists of furnishing and installing all traffic signal work as specified in the Plans and as specified herein in a manner acceptable and approved by the Engineer. In case of conflict with any part or parts of said documents, these Special Provisions shall take precedence and shall govern.

In order to reduce possible vehicular conflicts with fixed objects and avoid public criticism, it is necessary to require that no posts, poles, heads, or controller cabinets be installed until all traffic signal control equipment is brought to and located on the job site.

The construction, installation and/or removal work shall be accomplished at all the intersections within the limits of this project or as shown in the plans.

Description of Work. The work to be done under this contract consists of furnishing and installing all traffic signal work as specified on the Plans and as specified herein in a manner acceptable and approved by the Engineer.

Restoration. All areas and plant material damaged by the installation of Traffic Signal posts, mast arm poles, underground cables or conduits, handholes and control cabinets shall be replaced as follows:

- Grass Areas: Replace top soil to a depth of four (4) inches (100 mm), re-grade shoulders, ditch slopes, and open areas back to former existing grades, fertilize, seed and mulch all damaged areas.

- Sod Areas (areas adjacent to residential, commercial and industrial properties and any other areas as directed by the engineer): Fertilize and re-sod damaged areas.
- Plant Materials: Remove and replace damaged trees, shrubs and vines with the same varieties that existed prior to damage.

- Shoulders other than Stabilized and Backslopes, medians, sidewalks, pavement, etc.: Replace shoulder to original condition and restore edge of backslope to original lines and grades. Medians, sidewalks and pavement shall be replaced in kind.

- All brick pavers disturbed in the work area shall be restored to their original configuration or as directed by the Engineer. All damaged brick pavers shall be replaced with a comparable material approved by the Engineer

All damaged landscape shall be replaced in accordance with Section 250 through 254 of the Standard Specifications.

Any damage, due to the installation of traffic signal equipment; or necessary removal at handholes, jacking pits, and inspection openings, of sidewalks, curbs, gutters, median and island paving, and/or pavement, shall be repaired or replaced by the Contractor. Repair or replacement shall be made with a like material of like thickness to the existing surface. Restoration of traffic signal work area shall be included in related pay items such as foundation, conduit, handhole, trench and backfill, etc.

Control of Traffic Signal Materials.

All work shall meet the requirements of the "Standard Specifications for Road and Bridge Construction", except as follows:

The controller and all control equipment shall be of a manufacturer that is approved by this Department. The manufacturer shall have a representative located in the six (6) county Chicago areas.

The intent of this Section is to prescribe the materials and construction methods commonly used for traffic signal installations. All material furnished shall be new. Traffic materials and equipment shall bear the U.L. label whenever such labeling is available.

Before any signal equipment, including mast arm assemblies, poles, controller cabinets, all control equipment and signal heads, are delivered to the job site, the Contractor shall obtain and forward to the Engineer a certified, notarized statement from the manufacturer, containing the catalog numbers of the equipment and/or material, guaranteeing that the equipment and/or material, after manufacture, comply in all respects with the requirements of the Specifications and these Special Provisions.

All material approval requests shall be within thirty (30) consecutive calendar days after the Contract is awarded, or at the pre-construction meeting, whichever is first.

All cost of work and materials required to comply with the above requirements shall be included in the pay item bid prices, under which the subject materials and signal equipment are paid, and no additional compensation will be allowed. Materials and signal equipment not complying with the above requirements that have been installed on the job will be done at the Contractor's own risk and may be subject to removal and disposal at the Contractor's expense.

The Contractor must submit the following for approval by the Engineer:

- Three (3) complete set of manufacturer's descriptive literature, drawings, and specifications of the traffic signal equipment, handholes, junction box, cable, conduit and all associated items that will be installed on the contract. Partial or incomplete submittal will be returned without review.

- The contractor shall supply samples of all wire and cable, and shall make up and supply samples of each type of cable splice proposed for use in the work for the-Engineer's approval.

- Seven (7) complete shop drawings of the mast arm assemblies and poles including combination mast arm poles are required, showing in detail the fabrication, anchor bolts, reinforcing materials, design material, thickness of sections and weld sizes. These drawing shall be at least 11" x 17" (275mm x 425mm) in size and adequate quality for microfilming. Certain non-standard mast arm poles and assembles will require additional review. The Contractor shall account for additional review time in their schedule.

Seven (7) copies of a letter from the Traffic Signal Contractor on company letterhead listing contract number or permit number, project location limits, pay item number and description and listing the manufacturer's name and model numbers of the proposed equipment to be supplied and stating that the proposed equipment meets all Contract requirements. The letter will be reviewed by the Engineer to determine whether the equipment to be used is approvable. The letters will be stamped as approved or not approved accordingly and returned to the Contractor.

- Five (5) copies of a letter from the Traffic Signal Contractor listing the System Coordination and Timing (SCAT) consultant's name shall be supplied. The letter will be reviewed by the Engineer to determine whether the SCAT consultant to be used is approved. The letters will be stamped as approved or not approved accordingly and returned to the Contractor.

- Where certifications and/or warranties are specified. The information submitted for approval shall include certifications and warranties. Certifications involving inspections and/or tests of material shall be complete with all test data, dates and times.

- All above shall be stamped with the Section Number, Permit Number, or Contract Number and Intersection(s) name(s). Pay item numbers shall also be included. If the above required information is not on each sheet of the above literature or letters, the equipment and material cuts will not be reviewed and shall be returned to the Contractor.

- Exceptions, Deviations and Substitutions. In general, exceptions to and deviations from the requirements of the Contract Documents will not be allowed. It is the Contractor's responsibility to note any deviations from Contract requirements at the time of submittal and to make any requests for deviations in writing to the Engineer. In general, substitutions will not be acceptable. Requests for substitutions must demonstrate that the proposed substitution is superior to the material or equipment required by the Contract Documents. No exceptions, deviations or substitutions will be permitted without the approval of the Engineer.

- After the engineer reviews the submittals for conformance with the design concept of the project, the Engineer will stamp the drawings indicating their status. Since the Engineer's review is for conformance with design concept only. It is the Contractor's responsibility to coordinate the various items into a working system as specified. The Contractor shall not be relieved from responsibility for errors or omissions in the shop working, layout drawings, or other documents by the Departments approval thereof. The Contractor must be in full compliance with contract and specification requirements.

Maintenance and Responsibility.

Revise Article 801.11 to read as follows.

a) Existing traffic signal installations and/or any electrical facilities at all or various locations may be altered or reconstructed totally or partially as part of the work on this Contract. The Contractor is hereby advised that all traffic control equipment, presently installed at these locations, may be the property of the State of Illinois, Department of Transportation, Division of Highways, Cook County Highway Department, Private Developer, or the Municipality in which they are located. Once the Contractor has begun any work on any portion of the project all traffic signals within the limits of this contract or those which have the item "Maintenance of Existing Traffic Signal Installation", "Temporary Traffic Signal Installation(s)" and/or "Maintenance of Existing Flashing Beacon Installation", shall become the full responsibility of the Contractor. Automatic Traffic Enforcement equipment is not owned by the County and the Contractor shall not be responsible for maintaining it during construction. The Contractor shall supply the engineer and the Department's Electrical Maintenance Contractor a 24-hour emergency contact name and telephone number.

b) When the project has a pay item for "Maintenance of Existing Traffic Signal Installation", "Temporary Traffic Signal Installation(s)" and/or "Maintenance of Existing Flashing Beacon Installation", the Contractor must notify both the Design Engineer at (312) 603-1730 and the Department's Electrical Maintenance Contractor, of their intent to begin any physical construction work on the Contract or any portion thereof. This notification must be made a minimum of seven (7) working days prior to the start of construction to allow sufficient time for inspection of the existing traffic signal installation(s) and transfer of maintenance to the Contractor. If work is started prior to an inspection, maintenance of the traffic signal installation(s) will be transferred to the Contractor without an inspection. The Contractor will become responsible for repairing or replacing all equipment that is not operating properly or is damaged at no cost to the owner of the traffic signal. Final repairs or replacement of damaged equipment must meet the approval of the Engineer prior to or at the time of final inspection otherwise the traffic signal installation will not be accepted.

c) Projects which call for the storage and re-use of existing traffic signal equipment shall meet the requirements of Article 801.15(C) of the Standard Specifications, which call for a 30 day test period prior to project acceptance.

d) Contracts such as pavement grinding or patching which result in the destruction of traffic signal loops may not require maintenance transfer, unless a pay item of "Maintenance of Existing Traffic Signal Installation" is included in the project. When the pay item of "Maintenance of Existing Traffic Signal Installation" is not included, the Contractor is required to notify of intent to work and an inspection. A minimum of seven (7) working days prior to the loop removal, the Contractor shall notify the Design Engineer at (312) 603-1730, the Department's Electrical Maintenance Contractor and the owner of automatic traffic enforcement prior to the loop removal, at which time arrangements will be made to adjust the traffic controller timing to compensate for the absence of detection. Damaged Automatic Traffic Enforcement equipment, including cameras, detectors, or other peripheral equipment, shall be replaced by others, per Permit agreements or other agreements, at no cost to the contract except for City of Chicago projects in which the detectors

shall be replaced. See additional requirements in these specifications under Inductive Loop Detector.

e) The Contractor is further advised that the existing traffic signal(s), and/or the existing temporary installation(s), must remain in operation during all construction stages except for the most essential down time. Any shutdown of the traffic signal installation(s), for a period to exceed fifteen (15) minutes, must have the prior approval of the Engineer. Such approval will generally only be granted during the period extending from 10:00 a.m. to 3:00 p.m. on weekdays. Shutdowns will not be allowed during inclement weather or during Holiday periods. Any other traffic signal shutdown, either for periods in excess of one (1) hour or outside of the 10:00 a.m. to 3:00 p.m. weekday period must have prior approval of the Engineer. The Contractor, prior to the commencement of his work, shall notify the State Electrical Maintenance Contractor, the Cook County Electrical Maintenance Contractor, or the concerned Municipality, of his intent to perform this work.

f) The Contractor shall be fully responsible for the safe and efficient operation of the traffic signals. Any inquiry, complaint or request by the Department, the Department's Electrical Maintenance Contractor or the public, shall be investigated and repairs begun within one hour. Failure to provide this service will result in liquidated damages of $500 per day per occurrence. In addition, the Department reserves the right to assign any work not completed within this timeframe to the Electrical Maintenance Contractor. All costs associated to repair this uncompleted work shall be the responsibility of the Contractor. Failure to pay these costs to the Electrical Maintenance Contractor within one month after the incident will result in additional liquidated damages of $500 per month per occurrence. Unpaid bills will be deducted from the cost of the Contract. The Department's Electrical Maintenance Contractor may inspect any 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 Highway Department with any special tools or wrenches that may be required for assembling or maintaining the control equipment and traffic control signal head assemblies.

j) All control cable, when complete in place but before permanent connection, shall be subject to insulation tests at the discretion of the Engineer. The tests shall be made with approved insulation resistance testing equipment rated at 500 volts D.C. and witnessed by the Engineer. Results of these tests shall be submitted to the Department in written form, bearing the Engineers signature and shall become part of the project records. A final inspection of the traffic signal installation shall not be held until results of this insulation test have been received.

k) All equipment such as new controllers and allied central equipment with the exception of cable, conduit, and other materials which require the use of the State of Illinois Materials Testing Laboratories, shall be built in the suppliers shop and inspected by a representative of this Department prior to the installation of such equipment, and upon approval of this equipment an inspection ticket will be issued to the Contractor by the inspection agency (State of Illinois Material Testing Laboratory or the Cook County Highway Mechanical-Electrical Section). The controller and allied control equipment shall be prepared in the suppliers shop and run under a load of a minimum of 500 watts per phase for at least 48 hours before it is inspected for proper operation and sequencing. After it passes this test an inspection ticket will be issued by the Cook County Highway Mechanical-Electrical Section representative and it can then be delivered to the job site for installation.

l) Upon completion of the installation, a final inspection will be carried out by qualified representatives of the Highway Agencies involved.

m) If the Contractor fails to comply with any of the aforementioned requirements, the County shall impose such sanction as it may determine to be appropriate including but not limited to withholding all payments to the Contractor on this contract until the provisions of this special provision are complete with and/or implementation of article 108.10 of the standard specifications.

At the final inspection it will be required that the Contractor will have submitted to the Engineer all necessary inspection tickets for all new equipment and materials installed under this Contract. If the Contractor has not obtained the inspection tickets on any portion of the new equipment and materials, the representative of this Department will have the authority to postpone the final inspection until such time as

the above has been satisfied. Any postponement of the final inspection for this reason shall not relieve the Contractor of his full maintenance responsibilities until such time as the installation is re-inspected and accepted by the County.

The County requires the following from the Contractor at traffic signal turn-on.

1) The Contractor shall, at the turn-on furnish one set of signal plans (24"x36") of record with field revisions marked in red ink to the maintaining agency.

2) Written notification from the Contractor and the Equipment Vendor of satisfactory field testing.

3) A knowledgeable representative of the controller equipment supplier shall be required at the permanent and temporary traffic signal turn-on. The representative shall be knowledgeable of both cabinet design and controller functions and shall have sufficient test and spare equipment to make the traffic signal installation operational.

4) A copy of the approved material letter.

5) One (1) copy of the operation and service manuals of the signal controller and associated control equipment.

6) Five (5) copies 11" x 17" (280 mm X 430 mm) or 22" x 34" (560 mm x 860 mm) of the cabinet wiring diagrams and cable logs.

7) The controller manufacturer shall supply a printed form, not to exceed 11" x 17" (280 mm x 430 mm), for recording the traffic signal controller's timings; backup timings, coordination splits, offsets, cycles; TBC; Time of Day, week and year programs; traffic responsive program, detector phase assignment, type and detector switching; and any other functions programmable from the keyboard. The form shall include a location, date, manufacturers name, controller model and software version. The form shall be approved by the Engineer and a minimum of three (3) copies must be furnished at each turn-on. The manufacturer must provide all programming information used within the controller at the time of turn-on.

Location of Underground State and County Maintained Facilities.

Revise Article 803 to read as follows.

If this contract requires the services of an electrical contractor, the Contractor shall be responsible at his/her own expense for locating existing IDOT and CCHD facilities prior to performing any work. If this contract does not require the services of electrical contractor, the Contractor may request one free locate for existing IDOT and CCHD electrical facilities from the Electrical Maintenance Contractor(s) prior to the start of any work. Additional requests may be at the expense of the Contractor. The location of underground traffic facilities does not relieve the Contractor of their responsibility to repair any facilities damaged during construction at their expense.

The exact location of all utilities shall be field verified by the Contractor before the installation of any components of the traffic signal system. For locations of utilities, locally owned equipment, and leased enforcement camera system facilities, the local Counties or Municipalities may need to be contacted, in the City of Chicago contact D.I.G.G.E.R. at (312) 744-7000 and for all other locations contact J.U.L.I.E. at 1-800-892-0123 or 811.

Basis of Payment. This work will not be paid for directly but shall be considered as incidental to the contract.

SPECIAL PROVISION
FOR
SIGNAL HEAD, LIGHT EMITTING DIODE

This work shall consist of furnishing and installing a traffic signal head or pedestrian signal head with light emitting diodes (LED) of the type specified in the plan or retrofitting an existing traffic signal head with a traffic signal module or pedestrian signal module with LEDs as specified in the plans.

LED signal heads (All Face and Section Quantities), (All Mounting Types) shall conform fully to the requirements of Sections 880 and 881 and Articles 1078.01 and 1078.02 of the Standard Specifications amended herein:

1. The LED signal modules shall be replaced or repaired if an LED signal module fails to function as intended due to workmanship or material defects within the first 60 months from the date of delivery. LED signal modules which exhibit luminous intensities less than the minimum values specified in Table 1 of the ITE Vehicle Traffic Control Signal Heads: Light Emitting Diode (LED) Circular Signal Supplement (June 27, 2005) [VTSCH] or applicable successor ITE specifications, or show signs of entrance of moisture or contaminants within the first 60 months of the date of delivery shall be replaced or repaired. The manufacturer's written warranty for the LED signal modules shall be dated, signed by an Officer of the company and included in the product submittal to the County.

2. Each module shall consist of an assembly that utilizes LEDs as the light source in lieu of an incandescent lamp for use in traffic signal sections.

(a) Physical and Mechanical Requirements

1. Modules can be manufactured under this specification for the following faces:

   a. 12 inch (300 mm) circular, multi-section
   b. 12 inch (300 mm) arrow, multi-section
   c. 12 inch (300 mm) pedestrian, 2 sections

2. The maximum weight of a module shall be 4 lbs. (1.8 kg).

3. Each module shall be a sealed unit to include all parts necessary for operation (a printed circuit board, power supply, a lens and gasket, etc.), and shall be weather proof after installation and connection.

4. Material used for the lens and signal module construction shall conform to ASTM specifications for the materials.

5. The lens of the module shall be tinted with a wavelength-matched color to reduce sun phantom effect and enhance on/off contrast. The tinting shall be uniform across the lens face. Polymeric lens shall provide a surface coating or chemical surface treatment applied to provide abrasion resistance. The lens of the module shall be integral to the unit, convex with a smooth outer surface and made of plastic. The lens shall have a textured surface to reduce glare.

6. The use of tinting or other materials to enhance ON/OFF contrasts shall not affect chromaticity and shall be uniform across the face of the lens.

7. Each module shall have a symbol of the type of module (i.e. circle, arrow, etc.) in the color of the module. The symbol shall be 1 inch (25.4 mm) in diameter. Additionally, the color shall be written out in 1/2 inch (12.7mm) letters next to the symbol.

(b) Photometric Requirements

1. The minimum initial luminous intensity values for the modules shall conform to the values in Table 1 of the VTCSH (2005) for circular signal indications, and as stated in Table 3 of these specifications for arrow and pedestrian indications at 25°C.

2. The modules shall meet or exceed the illumination values stated in Article 1078.01(3)c of the Standard Specifications for circular signal indications, and Table 3 of these specifications for arrow and pedestrian indications, throughout the useful life based on normal use in a traffic signal operation over the operating temperature range.

3. The measured chromaticity coordinates of the modules shall conform to the chromaticity requirements of Section 4.2 of the VTCSH (2005) or applicable successor ITE specifications.

4. The LEDs utilized in the modules shall be AlInGaP technology for red, yellow, Portland orange (pedestrian) and white (pedestrian) indications, and GaN for green indications, and shall be the ultra bright type rated for 100,000 hours of continuous operation from -40°C to +74°C.

(c) Electrical

1. Maximum power consumption for LED modules is per Table 2.

2. Operating voltage of the modules shall be 120 VAC. All parameters shall be measured at this voltage.

3. The modules shall be operationally compatible with currently used controller assemblies (solid state load switches, flashers, and conflict monitors).

4. When a current of 20 mA AC (or less) is applied to the unit, the voltage read across the two leads shall be 15 VAC or less.

5. The LED modules shall provide constant light output under power. Modules with dimming capabilities shall have the option disabled or set on a non-dimming operation.

6. The individual LEDs shall be wired such that a catastrophic loss or the failure of one or more LED will not result in the loss of the entire module.

(d) Retrofit Traffic Signal Module

1. The following specification requirements apply to the Retrofit module only. All general specifications apply unless specifically superseded in this section.

2. Retrofit modules can be manufactured under this specification for the following faces:

   a. 12 inch (300 mm) circular, multi-section
   b. 12 inch (300 mm) arrow, multi-section
   c. 12 inch (300 mm) pedestrian, 2 sections

3. Each Retrofit module shall be designed to be installed in the doorframe of a standard traffic signal housing. The Retrofit module shall be sealed in the doorframe with a one-piece EPDM (ethylene propylene rubber) gasket.

4. The maximum weight of a Retrofit module shall be 4 lbs. (1.8 kg).

5. Each Retrofit module shall be a sealed unit to include all parts necessary for operation (a printed circuit board, power supply, a lens and gasket, etc.), and shall be weather proof after installation and connection.

6. Electrical conductors for modules, including Retrofit modules, shall be 39.4 inches (1m) in length, with quick disconnect terminals attached.

7. The lens of the Retrofit module shall be integral to the unit, shall be convex with a smooth outer surface and made of plastic or of glass.

(e) The following specification requirements apply to the 12 inch (300 mm) arrow module only. All general specifications apply unless specifically superseded in this section.

1. The arrow module shall meet specifications stated in Section 9.01 of the Equipment and Material Standards of the Institute of Transportation Engineers (November 1998) [ITE Standards], Chapter 2 (Vehicle Traffic Control Signal Heads) for arrow indications.

2. The LEDs arrow indication shall be a solid display with a minimum of three (3) outlining rows of LEDs and at least one (1) fill row of LEDs.

(f) The following specification requirement applies to the 12 inch (300 mm) programmed visibility PV module only. All general specifications apply unless specifically superseded in this section.

1. The module shall be a module designed and constructed to be installed in a programmed visibility (PV) signal housing without modification to the housing.

(g) The following specification requirements apply to the 12 inch (300 mm) Pedestrian module only. All general specifications apply unless specifically superseded in this section.

1. Each pedestrian signal LED module shall provide the ability to actuate the solid upraised hand and the solid walking person on one 12 inch (300mm) section.

2. Two (2) pedestrian sections shall be installed. The top section shall be wired to illuminate only the upraised hand and the bottom section shall be the walking man.

3. "Egg Crate" type sun shields are not permitted. All figures must be a minimum of 9 inches (225mm) in height and easily identified from a distance of 120-feet (36.6m).

Basis of Payment. This item shall be paid for at the contract unit price EACH for SIGNAL HEAD, LED, or OPTICALLY PROGRAMMED SIGNAL HEAD, LED, PEDESTRIAN SIGNAL HEAD, LED, of the type specified, which price shall be payment in full for furnishing the equipment described above including signal head, LED(s) modules, all mounting hardware, and installing them in satisfactory operating condition. The type specified will indicate the number of signal faces, the number of signal sections, and the method of mounting.

When installed in an existing signal head, this item shall be paid for at the contract unit price EACH for SIGNAL HEAD, LED, OPTICALLY PROGRAMMED SIGNAL HEAD, LED, PEDESTRIAN SIGNAL HEAD, LED of the type specified, RETROFIT, which price shall be payment in full for furnishing the equipment described above including LED(s) modules, all mounting hardware, and installing them in satisfactory operating condition. The type specified will indicate the number of signal faces, the number of signal sections, and the method of mounting.

Table 2 Maximum Power Consumption (in Watts)

	Red		Yellow		Green	
Temperature	25°C	74°C	25°C	74°C	25°C	74°C
12 inch (300 mm) circular	11	17	22	25	15	15
12 inch (300 mm) arrow	9	12	10	12	11	11
	Hand–Portland Orange		Person-White			
Pedestrian Indication	6.2		6.3			

Table 3 Minimum Initial & Maintained Intensities for Arrow and Pedestrian Indications (in cd/m^2)

	Red	Yellow	Green
Arrow Indication	5,500	11,000	11,000

SPECIAL PROVISION
FOR
TRAFFIC SIGNAL BACKPLATE

The furnishing and installation of this item shall meet the requirements of Section 882 and 1078.03 of the Standard Specifications, except as follows:

Backplates shall be aluminum and louvered with a minimum thickness of 0.05 inch (1.3 mm).

The surface of the backplate shall provide openings (louvers) to allow wind to penetrate and thereby reduce the wind loading on the mast arm and pole. The louver openings shall cover a minimum of twenty (20) percent of the surface area of the backplate. The louvers shall be designed not to deter the purpose of the backplate, which is to shield the signal lens from sunlight. The louvers shall be spaced symmetrically on the backplate in such a way as not to adversely affect its structural integrity.

When more than one backplate is mounted on a pole or post, their louvered symmetry shall be the same.

Basis of Payment. This work will be paid for at the contract unit price EACH for TRAFFIC SIGNAL BACKPLATE, Louvered, Aluminum, which price shall be payment in full for furnishing and installing the traffic signal backplate complete.

SPECIAL PROVISION
FOR
TRAFFIC SIGNAL POST AND PEDESTRIAN PUSHBUTTON POST

The furnishing and installation of this item shall meet the requirements of Sections 875, 876, 1077.01 and 1077.02 of the Standard Specifications, except as follows:

All posts (steel), bases (cast iron), and related mounting hardware shall be hot-dipped galvanized in accordance with AASHTO M 111. A magnetic field tester may be utilized at any time to determine the thickness of galvanization. Average galvanization thickness shall be 2.0 oz. per square foot and minimum thickness shall be 1.8 oz. per square foot. The Contractor shall use a fabric post tightener to attach the post to the base. If the galvanization on the post is removed using a chain post tightener exposing bare metal, the post shall be rejected and replaced with a new post.

If the fabricator elects to cut and thread the post after the galvanization process, the bare metal shall immediately be cleaned to remove all cutting solvents and oils, then sprayed with two (2) coats of "Brite Zinc" galvanized compound manufactured by Brite Products, or an approved equal. Any scratches shall be repaired with "Brite Zinc". If the Department approves painting, powder coating by the manufacturer will be required over the galvanizing.

Bases shall be cast iron and octagonal in shape, approximately 15 inches (375 mm) high and 16 inches (400 mm) across the flat sides at the bottom. All bases shall be designed to accept four (4) 5/8" (15.6 mm) diameter anchor bolts evenly spaced in a 12-1/2" (312 mm) diameter circle.

Welded extensions onto the post shall not be permitted.

Posts are to erected plumb and no shims are allowed between the bottom of the base and the foundation.

When a new post is installed on an existing foundation, the foundation shall be plumed before the post is installed. It shall not be paid for separately but shall be included in cost for Traffic Signal Post or Pedestrian Push-Button Post.

Basis of Payment. This work will be paid for at the contract unit price EACH for TRAFFIC SIGNAL POST, GALVANIZED STEEL, of the length specified or PEDESTRIAN PUSH-BUTTON POST, GALVANIZED STEEL, TYPE I or TYPE II, which price shall be payment in full for furnishing and installing the traffic signal post, base, foundation for pedestrian post, nuts and washers, and pipe cap complete.

SPECIAL PROVISION
FOR
STEEL MAST ARM ASSEMBLY AND POLE AND/OR STEEL COMBINATION MAST ARM ASSEMBLY AND POLE

The furnishing and installation of a steel mast arm assembly and pole and/or steel combination mast arm assembly and pole shall meet the requirements of Section 877 and 1077.03 of the Standard Specifications, Plans, and the Standard Drawings for Mast Arm Assembly and Pole, except as follows:

The steel mast arm assembly and pole and steel combination mast arm assembly and pole shall consist of a traffic signal mast arm, a Luminaire mast arm or davit (for combination pole only), a pole, and a base, together with anchor rods and other appurtenances. The configuration of the mast arm assembly, pole, and base shall be according to the details shown on the plans.

The mast arm assembly and pole, and combination mast arm assembly pole shall be designed for the loading shown on the Highway Standards or elsewhere on the plans whichever is greater. The design shall be according to AASHTO "Standard Specification for Structural Supports for Highway signs, Luminaries And Traffic Signals" 1994 edition for 80 mph (130km/hr) wind velocity.

However, the arm to pole connection for tapered signal and Luminaire arms shall be according to the "ring plate" detail as shown in Figure 11-1(f) of the 2002 Interim, to the AASHTO 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.

Anchor Rods. The anchor rods shall be ASTM F 1554 Grade 105, coated by the hot-dip galvanizing process according to AASHTO M 232, and shall be threaded a minimum of 7 1/2 in. (185 mm) at one end and have a bend at the other end. The first 12 in. (300 mm) at the threaded end shall be galvanized. Two nuts, one lock washer, and one flat washer shall be furnished with each anchor rod. All nuts and washers shall be galvanized.

In addition to the signal loading, the steel mast arm assembly and pole, and/or steel combination mast arm assembly and pole shall be structurally adequate to support a maximum of two (2) sign panels 30" x 72" (750 mm x 1,800 mm) in size mounted back to back, one LED street sign 96 5/8" x 22 5/16" with 92 pounds and one (1) sign panels 30" x 24" (750 mm x 600 mm) in size mounted from 3 feet (900 mm) from end of the mast arm. The actual size and number of the sign panel(s) to be furnished and installed and the details of mounting shall be as shown on the County Standard Drawing of "ILLUMINATED STREET NAME SIGN MOUNTING DETAIL".

Signs attached to poles or posts (such as mast arm signs) shall have mounting brackets and sign channels which are equal to and completely interchangeable with those used by the Department. Signfix Aluminum Channel Framing System is currently recommended, but other brands of mounting hardware are acceptable based upon the Department's approval.

Basis of Payment. This work will be paid for at the contract unit price EACH for STEEL MAST ARM ASSEMBLY AND POLE, and/or STEEL COMBINATION MAST ARM ASSEMBLY AND POLE of the size(s) specified which price shall be payment in full for furnishing and installing the steel mast arm assembly and pole and/or steel combination mast arm assembly and pole, anchor bolts, nuts, washers, and connected to a ground rod as shown on the Standard, complete.

SPECIAL PROVISION
FOR
TRAFFIC ACTUATED CONTROLLER
TRAFFIC ACTUATED CONTROLLER WITH CABINET
INDUCTIVE LOOP DETECTOR

The furnishing and installation of a traffic actuated controller and an inductive loop detector shall meet the requirements of Section 857, 885, 1073, 1074.03 and 1079.01 of the Standard Specifications, except as revised with this Special Provision.

The new and/or temporary controller and all control equipment shall be of a manufacturer that is approved by this Department. The manufacturer shall have a representative located in the six (6) county Chicago areas. The Controller shall be NTCIP compliant NEMA TS2 type 1 Econolite ASC/3S-1000 or Eagle/Siemens M50 unless specified otherwise on the plans or elsewhere on these specifications. The controller shall be the most recent model and software version supplied by the manufacturer at the time of the approval and include the standard data key. The traffic signal controller shall provide features to inhibit simultaneous display of a circular yellow ball and a yellow arrow display. Individual load switches shall be provided for each vehicle, pedestrian, and right turn over lap phase. The controller shall prevent phases from being skipped during program changes and after all pre-emption events.

The malfunction monitor unit shall be an EDI Model MMU-16E or equivalent.

Contracts requiring new cabinets shall provide for rack mounted detector amplifier cards. Detector amplifiers shall be provided with LCD displays with loop frequency, inductance and change of inductance readings. When calling detectors are called for on the plans, the amplifier shall have the capability of providing vehicle calls to a particular phase when that phase is not in use.

Cabinets shall be designed for NEMA TS2 Type 1 operation. The cabinet shall provide a minimum of sixteen (16) pre-wired load bays for eight (8) phases of vehicular, four (4) phases of pedestrian and four (4) phases of overlap operation and pedestrian pushbutton isolation. Isolation cards will be required for all pedestrian pushbuttons.

- Cabinets – Provide 1/8" (3.2 mm) thick unpainted aluminum alloy 5052-H32. The surface shall be smooth, free of marks and scratches. All external hardware shall be stainless steel.
- Controller Harness – Provide a TS2 Type 2 "A" wired harness in addition to the TS2 Type 1 harness.
- Surge Protection – Plug-in type EDCO SHA-1250 or Atlantic/Pacific approved equal.
- BIU – Containment screw required.
- Transfer Relays – Solid state or mechanical flash relays are acceptable.
- Switch Guards – All switches shall be guarded.
- The controller cabinet must have two (2) porcelain light fixtures with metal cage protection controlled by a separate toggle switch, and a thermostat.
- Plan & Wiring Diagrams – 12" x 16" (305 mm x 406 mm) or 22" x 34" (560 mm x 860 mm) moisture sealed container attached to door.
- Detector Racks – Fully wired and labeled for four (4) channels of emergency vehicle pre-emption and sixteen channels (16) of vehicular operation.

- Field Wiring Labels – All field wiring shall be labeled.
- Field Wiring Termination – Approved channel lugs required.
- Power Panel – Provide a nonconductive shield.
- Circuit Breaker – The circuit breaker shall be sized for the proposed load but shall not be rated less than 30 amps.
- Police Door – Provide wiring and termination for plug in manual phase advance switch.
- Railroad Pre-Emption Test Switch – Eaton 8830K13 SHA 1250 or equivalent.

Controller and cabinet interconnected with railroads shall be new and NEMA TS2 type 1. In addition to the aforementioned equipment specifications, the following shall apply to railroad interconnected equipment:

Controller shall comply with Article 1073.01 as amended in these Traffic Signal Special Provisions.

Controller Cabinet and Peripheral Equipment shall comply with Article 1074.03 as amended in these Traffic Signal Special Provisions.

Add the following to Articles 1073.01 (c) (2) and 1074.03 (a) (5) (e) of the Standard Specifications:

Controllers and cabinets shall be new and NEMA TS2 Type 1 design.

A method of monitoring and/or providing redundancy to the railroad preemptor input to the controller shall be included as a component of the Railroad, Full Actuated Controller and Cabinet installation and be verified by the traffic signal equipment supplier prior to installation.

Railroad interconnected controllers and cabinets shall be supplied and assembled only by an approved IDOT closed loop traffic signal equipment supplier. All railroad interconnected (including temporary railroad interconnect) controllers and cabinets shall be new, built, tested and approved by the controller equipment vendor, in the vendor's District One facility, prior to field installation. The vendor shall provide the technical equipment and assistance as required by the Engineer to fully test this equipment.

Basis of Payment. This work will be paid for at the contract unit price EACH for INDUCTIVE LOOP DETECTOR, and/or FULL-ACTUATED CONTROLLER AND CABINET or RAILROAD, FULL ACTUATED CONTROLLER AND CABINET (if required) of the type specified, which price shall be payment in full for furnishing and installing the inductive loop detector complete with all harnesses and connections for proper operation, and/or for furnishing and installing the controller complete, including malfunction monitor unit, load switches, flashers, flash transfer relays, etc. in a new cabinet or an existing cabinet as specified, with the necessary connections for proper operation.

SPECIAL PROVISION
FOR
DETECTOR LOOP

This work shall consist of furnishing and installing detector loop in accordance with the requirements of Section 886 of the Standard Specifications, except as follows:

Description.
This work shall consist of furnishing and installing a detector loop in the pavement.

Procedure.
A minimum of seven (7) working days prior to the Contractor cutting loops, the Contractor shall have the proposed loop locations marked and contact the CCHD Design Engineer at (312) 603-1730 to inspect and approve the layout. When preformed detector loops are installed, the Contractor shall have them inspected and approved prior to the pouring of the portland cement concrete surface, using the same notification process as above.

Installation.
Each loop lead-in shall be placed in a separate conduit from edge of pavement to handhole. Loop detectors shall be installed according to the requirements of the "District 1 Standard Traffic Signal Design Details". Saw-cuts (homerun on preformed detector loops) from the loop to the edge of pavement shall be made perpendicular to the edge of pavement when possible in order to minimize the length of the saw cut (homerun on preformed detector loops) unless directed otherwise by the Engineer or as shown on the plans. Spacing between the lead-ins (holes drilled in the pavement) shall not be less than one (1) foot (300 mm) and shall be located one (1) foot (300 mm) from the edge of pavement. Loop lead-in wires should be twisted to provide a minimum of five (5) turns per foot (fifteen [15] turns per meter) from the loop to the splice.

The cable splice connection of the detector loop and the lead-in cable to the controller shall conform to Section 873 of the Standard Specifications or the requirements set forth in the "District 1 Standard Traffic Signal Design Details".

Each loop detector lead-in wire shall be labeled in the handhole using a Panduit PLFIM water proof tag or approved equal secured to each wire with nylon ties. The lead-in wire, including all necessary connections for proper operation, from the edge of pavement to the handhole shall be incidental to the price of the detector loop.

The detector loop cable insulation shall be labeled with the cable specifications.

Resistance to ground shall be a minimum of 100 megohms under any conditions of weather or moisture. Inductance shall be more than 50 and less than 700 microhenries. Quality readings shall be greater than 5.

Type 1:

- All loops installed in new asphalt pavement shall be installed in the binder course and not in the surface course. The edge of pavement or the curb shall be cut with a 1/4" (6.3 mm) x 4" (100 mm) long sawcut to mark the location of each loop lead-in.

- Loop sealant shall be a two-component thixotropic chemically cured polyurethane either Chemque Q-Seal 295, Perol Elastic Cement A/C Grade or an approved equal. The sealant shall be installed 1/8" (3 mm) below the pavement surface, if installed above the surface the overlap shall be removed immediately.
- Detector loop measurements shall include the sawcut and the length of the loop lead-in leading to the edge of pavement. The lead-in wire, including all necessary connections for proper operations, from the edge of pavement to the handhole, shall be incidental to the price of the detector loop. Unit duct, trench and backfill, and drilling of pavement or handholes shall be incidental to detector loop quantities.

- The corners of all loops shall be core drilled with a two (2) inch (50 mm) bit. All joints and cracks in the pavement that the loop crosses must be core drilled.

Preformed:

- This work shall consist of furnishing and installing a rubberized heat resistant preformed traffic signal loop in accordance with the Standard Specifications, except for the following:

- Preformed detector loops shall be installed in new pavement constructed of portland cement concrete using mounting chairs or tied to re-bar or the preformed detector loops may be placed in the sub-base. Loop lead-ins shall be extended to a temporary protective enclosure near the proposed handhole location. The protective enclosure shall provide sufficient protection from other construction activities and may be buried for additional protection.

- Handholes shall be placed next to the shoulder or back of curb when preformed detector loops enter the handhole. Non-metallic coilable duct, included in this pay item, shall be used to protect the preformed lead-ins from back of curb to the handhole.

- Preformed detector loops shall be factory assembled with ends capped and sealed against moisture and other contaminants. Homeruns and interconnects shall be pre-wired and shall be an integral part of the loop assembly. The loop configurations and homerun lengths shall be assembled for the specific application. The loop and homerun shall be constructed using 11/16" (17.2 mm)outside diameter (minimum), 3/8" (9.5 mm) inside diameter (minimum) Class A oil resistant synthetic cord reinforced hydraulic hose with 250 psi (1,720 kpa) internal pressure rating or a similar sized XLPE cable jacket. Hose for the loop and homerun assembly shall be one continuous piece. No joints or splices shall be allowed in the hose except where necessary to connect homeruns or interconnects to the loops. This will provide maximum wire protection and loop system strength. Hose tee connections shall be heavy duty high temperature synthetic rubber. The tee shall be of proper size to attach directly to the hose, minimizing glue joints. The tee shall have the same flexible properties as the hose to insure that the whole assembly can conform to pavement movement and shifting without cracking or breaking. For XLPE jacketed preformed loops, all splice connections shall be soldered, sealed, and tested before being sealed in a high impact glass impregnated plastic splice enclosure. The wire used shall be #16 THWN stranded copper.

The number of turns in the loop shall be application specific. Homerun wire pairs shall be twisted a minimum of four turns per foot. No wire splices will be allowed in the preformed loop assembly. The loop and homeruns shall be filled and sealed with a flexible sealant to insure complete moisture blockage and further protect the wire. The preformed loops shall be constructed to allow a minimum of 6.5 feet of extra cable in the handhole. Six foot (1.8 m) round loop(s) may be substituted for six foot (1.8 m) by six foot (1.8 m) square loop(s) and shall be paid for as 24 feet (7.2 m) of detector loop.

Method of Measurement.
This work will be measured for payment in feet (meters) in place. Type I detector loop will be measured along the sawed slot in the pavement containing the loop and lead-in, rather than the actual length of the wire. Preformed detector loops will be measured along the detector loop and lead-in embedded in the pavement, rather than the actual length of the wire.

Basis of Payment. This work will be paid for at the contract unit price per FOOT (METER) of DETECTOR LOOP, TYPE I or PREFORMED DETECTOR LOOP, as specified in the plans, which price shall be payment in full and for furnishing, installing and testing the Detector Loop and all related connections for proper operation.

SPECIAL PROVISION
FOR
CONDUIT

The installation of a conduit shall meet the requirements of Sections 810 of the Standard Specifications, except as revised with this Special Provision.

Pavement, driveways, and curbs shall not be removed to install electrical conduits.

All conduit installed underground shall have a minimum depth of two feet six inches (2'-6" [760 mm]) except under railroad tracks where the conduit shall be a minimum of five feet (5' [1.52 m]) as measured to the outside diameter of the conduit on the top side.

All conduit splices shall be solid threaded couplings. Conduit terminating in junction and pull boxes shall be terminated with hubs, integral box hubs, or integral box bosses.

Directional boring or plowing will be allowed in place of trenched and backfilled or pushed conduit, but no additional compensation will be allowed.

All conduit attached to a structure shall have a minimum of one (1) expansion joint placed within the length of the attached conduit. At each end of the structure the Contractor shall install a weatherproof galvanized cast iron box with a minimum size of 8" (200 mm) x 8"(200 mm) x 6" (150 mm) deep. The installation of these two (2) boxes and any required expansion joints shall be considered incidental to the unit price for conduit attached to structure.

Basis of Payment. This work will be paid for at the contract unit price per FOOT (METER) for CONDUIT IN TRENCH, CONDUIT PUSHED or CONDUIT ATTACHED TO STRUCTURE, of the type and size specified, which price shall be payment in full for furnishing and installing the conduit and fittings complete. Trench and Backfill will be paid for separately.

SPECIAL PROVISION
FOR
COILABLE NON-METALLIC CONDUIT

This work shall consist of furnishing and installing empty Coilable Non-Metallic Conduit (CNC) in trench of the type and size specified. The installation of CNC shall meet all applicable requirements of the Standard Specifications of Section 810 and 811. All installations of CNC shall be incidental to the contract and not paid for separately. polyethylene duct shall be used for all detector loop raceways to handholes. All duct shall be placed a minimum depth of 30 inches (750 mm) or as shown on the contract plans or standard details.

The conduit shall be a polyethylene duct which is intended for underground use and which can be manufactured and coiled or reeled in continuous transportable lengths and uncoiled for further processing and/or installation without adversely affecting its properties of performance. The conduit and its manufacture shall conform to the standards of NEMA Publication TC7, ASTM Standard Specifications D3485 and NEC Article 353.

On temporary traffic signal installations with detector loops, CNC shall be used for detector loop raceways from the saw-cut to 10 feet (3 m) up the wood pole, unless otherwise shown on the plans.

Material. The conduit shall be manufactured from high density polyethylene complying with ASTM D1248, Type III, Class C and the requirements listed in Table 2-1 of NEMA TC7. Submittal information shall demonstrate compliance with the details of these requirements.

Construction. Conduit dimensions shall conform to the standards listed in Table 2-2 of NEMA TC7. Submittal information shall demonstrate compliance with these requirements.

As specified in NEMA TC7, the conduit shall be clearly and durably marked at least every 10 feet (3 meters) with the material designation (HDPE for high density polyethylene), nominal size of the conduit and the name and/or trademark of the manufacturer.

Freeze-up Test:. A ten foot length of the conduit bent into an upright "U" shape shall be filled with water and then placed in a low temperature cabinet and maintained at -20 degrees C for 24 hours. The conduit shall not crack or burst during the test.

Compression Test. The test shall be conducted on a six inch (150 mm) sample of the conduit. Samples are placed between six inch (150 mm) plates and compressed at the rate of one-half inch (12.5 mm) per minute until the distance between the plates is reduced by 50%, recording the load required to compress the conduit. The samples are then removed and allowed to stand for exactly 5 minutes. The load required to compress the sample shall be equal to or greater than that listed below and the conduit shall have returned to nor less than 85% of its original diameter at the end of the 5 minutes.

Nominal Size		Load
¾ inch.	20 mm	122 lbs.
1 inch.	25 mm	167 lbs.
1 ¼ inch.	30 mm	243 lbs.
1 ½ inch.	40 mm	297 lbs.
2 inch.	50 mm	387 lbs.

Tests. All of the tests referred to above and the applicable tests in the cited ASTM Standards shall be performed on the conduit at the manufacturer's plant and certified copies of the reports of the results of these tests shall be submitted to the Engineer prior to the installation of the CNC.

SPECIAL PROVISION
FOR
TRENCH AND BACKFILL FOR ELECTRICAL WORK

The constructing and backfilling of a trench shall meet the requirements of Section 819 of the Standard Specifications, except as follows:

The Trench shall not be less than two (2) feet six (6) inches (760 mm) in depth.

All trenches shall be backfilled as soon as possible after the installation of the conduit or cable. Any material excavated from the trenches, that in the opinion of the Engineer is satisfactory backfilling material, may be used for backfilling of trenches. Cinders, rocks or other deleterious materials will not be permitted in the backfilling material. Trenches under pavement, paved shoulders, curb, gutter, or sidewalk shall be backfilled with sand or stone screenings.

Basis of Payment. This work will be paid for at the contract unit price per FOOT (METER), measured in place, for TRENCH AND BACKFILL FOR ELECTRICAL WORK, which price shall include the cost of all excavation, furnishing and placing all backfill material, and the disposal of surplus excavations.

SPECIAL PROVISION
FOR
ELECTRIC CABLE

The installation of an electric cable shall meet the requirements of Section 873 and 1076.04 of the Standard Specifications and District One Standard Traffic Signal Design Details with the addition as the following:

The jacket for electric cable in this contract shall be of the polyvinyl chloride type meeting the requirements of IMSA 19-1. (Traffic signal cable shall be solid copper No. 14 unless otherwise specified in the plans or these Special Provisions). No other type of jacket will be allowed, except as follows:

The service cable may have a XLP jacket. Service cable may be single or multiple conductor cable.

Communications and lead-in cable shall have a gray or chrome jacket.

Electric cable sized No. 12 AWG and smaller shall be solid.

The length of cable slack shall be in accordance with District One Standard Traffic Signal Design Details.

The cable splice connection of the detector loop and the lead-in cable to the controller shall conform to Section 873 of the Standard Specifications or to the requirements set forth in the "District 1 Standard Traffic Signal Design Details ".

Heat shrink splices shall be used according to "District 1 Standard Traffic Signal Design Details".

Basis of Payment. This work will be paid for at the contract unit price per FOOT (METER) for ELECTRIC CABLE of the type, size and number of conductors as specified, which price shall be payment in full for furnishing the material and making all electrical connections and installing the cable complete, measured as specified.

SPECIAL PROVISION
FOR
SYSTEM GROUND AND GROUNDING CABLE

This specification revises requirements of section 806 of the Standard Specifications to read:

General:

All traffic signal systems, equipment and appurtenances shall be properly grounded in strict conformance with the National Electrical Code. See IDOT District 1 traffic signal detail plan sheets for additional information.

The grounding electrode system shall include a ground rod installed with each traffic signal controller concrete foundation and all mast arm and post concrete foundations. An additional ground rod will be required at locations where measured resistance exceeds 25 ohms. Ground rods are included in the applicable foundation or service installation pay item and will not be paid for separately. All steel ground rods shall be copper clad, a minimum of 10' (3.0 m), and ¾" (20mm) in diameter.

Testing shall be according to Section 801.13(a) (4) and (5).

a) The grounded conductor (neutral conductor) shall be white color coded. This conductor shall be bonded to the equipment grounding conductor only at the Electric Service Installation. All power cables shall include one neutral conductor of the same size.

b) The equipment grounding conductor shall be green color coded. The following is in addition to Section 801.04 of the Standard Specifications.
   1) Equipment grounding conductors shall be XLP insulated 600V No.6 gauge copper, unless otherwise noted on the plans, and bonded to the grounded conductor (neutral conductor) only at the Electric Service Installation. The equipment grounding conductor is paid for separately and shall be continuous. The Earth shall not be used as the equipment grounding conductor.
   2) Equipment grounding conductors shall be bonded, using a listed grounded connector (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
GROUNDING EXISTING HANDHOLE FRAME AND COVER

Description. This work shall consist of all materials and labor required to bond the equipment grounding conductor to the existing handhole frame and handhole cover. All installations shall meet the requirements of the details in "District 1 Standard Traffic Signal Design Details" and applicable portions of the Specifications.

The equipment grounding conductor shall be bonded to the handhole frame and to the handhole cover. Two (2) ½-inch diameter x 1 ¼-inch long hex-head stainless steel bolts, spaced 1.75-inches apart center-to-center shall be fully welded to the frame and to the cover to accommodate a heavy duty Listed grounding compression terminal (Burndy type YGHA or approved equal). The grounding compression terminal shall be secured to the bolts with stainless steel split-lock washers and nylon-insert locknuts.

Welding preparation for the stainless steel bolt hex-head to the frame and to the cover shall include thoroughly cleaning the contact and weldment area of all rust, dirt and contaminates. The Contractor shall assure a solid strong weld. The welds shall be smooth and thoroughly cleaned of flux and spatter. The grounding installation shall not affect the proper seating of the cover when closed.

The grounding cable shall be paid for separately.

Method of Measurement. Units measured for payment will be counted on a per handhole basis, regardless of the type of handhole and its location.

Basis of Payment. This work shall be paid for at the contract unit price EACH for GROUNDING EXISTING HANDHOLE FRAME AND COVER which shall be payment in full for grounding handhole complete.

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
REBUILD EXISTING HANDHOLE
REBUILD EXISTING HEAVY DUTY HANDHOLE
REBUILD EXISTING DOUBLE HANDHOLE

This item shall consist of rebuilding a handhole, heavy duty handhole and/or double handhole at location(s) as shown on the plans or as directed by the Engineer. The work shall consist of removing the frame and cover and the walls of the handhole to a depth of thirteen (13) inches (330 mm) below finished grade.

Upon completion of the above work, for handhole and heavy duty handhole four (4) holes, for the double handhole six (6) holes, four (4) inches (100 mm) in depth and one half (1/2) inch (15 mm) in diameter, shall be drilled into the remaining concrete, for handhole and heavy duty handhole one (1) hole centered on each wall and for the double handhole one (1) hole centered on each side wall and two (2) holes evenly spaced on the front and back walls. Number 3 steel dowels eight (8) inches (200 mm) in length shall be furnished and installed in the drilled holes with masonry epoxy.

All concrete debris shall be removed from the right-of-way to a location approved by the Engineer.

The area adjacent to each wall of the handhole shall be excavated to allow forming. All steel hooks (galvanized), frame and cover and concrete shall be provided to construct a rebuilt handhole, heavy duty handhole or double handhole according to applicable portions of the Standard Specifications. If the Contractor damages the existing frame and cover, the Contractor shall be responsible for replacing the frame and cover at no cost to the County.

Basis of Payment. This work will be paid for at the contract unit price EACH for REBUILD EXISTING HANDHOLE, REBUILD EXISTING HEAVY DUTY HANDHOLE, REBUILD EXISTING DOUBLE HANDHOLE, REBUILD EXISTING HANDHOLE TO HEAVY DUTY HANDHOLE which price shall be payment in full for all labor, all materials, and equipment necessary to complete the work described above and as indicated in the Plans.

SPECIAL PROVISION
FOR
CONCRETE FOUNDATION

The installation of a concrete foundation shall meet the requirements of Section 878 of the Standard Specifications, the Standard Drawing for Concrete Foundations and District One Standard Traffic Signal Design Details with the addition as the following:

All anchor bolts shall be according to Section 1006.09, except all anchor bolts shall be hot dipped galvanized a minimum of 12 in. (300 mm) from the threaded end.

All Type "A" foundations shall be a minimum depth of 48 inches (1220 mm).

Concrete Foundations, Type "C" for Traffic Signal Cabinets with Uninterruptible Power Supply (UPS) cabinet installations shall be a minimum of 72 inches (1830 mm) long and 31 inches (790 mm) wide. All Type "C" foundations shall be a minimum depth of 48 inches (1220 mm). The concrete apron in front of the Type IV or V cabinet shall be 36 in. x 48 in. x 5 in. (915 mm X 1220 mm X 130 mm). The concrete apron in front of the UPS cabinet shall be 36 in. x 67 in. x 5 in. (915 mm X 1700 mm X 130 mm). Anchor bolts shall provide bolt spacing as required by the manufacturer.

Concrete Foundations, Type "D" for Traffic Signal Cabinets shall be a minimum of 48 inches (1220 mm) long and 31 inches (790 mm) wide. All Type "D" foundations shall be a minimum depth of 48 inches (1220 mm). The concrete apron shall be 36 in. x 48 in. x 5 in. (910 mm X 1220 mm X 130 mm). Anchor bolts shall provide bolt spacing as required by the manufacturer.

Concrete Foundations, Type "E" for Mast Arm and Combination Mast Arm Poles shall meet the current requirements listed in the Highway Standards.

Foundations used for Combination Mast Arm Poles shall provide an extra 2-1/2 inch (65 mm) raceway.

No foundation is to be poured until the Resident Engineer gives approval as to the depth of the foundation.

Basis of Payment: This work will be paid for at the contract unit price per FOOT (METER) of depth for:

CONCRETE FOUNDATION, TYPE A
CONCRETE FOUNDATION, TYPE C
CONCRETE FOUNDATION, TYPE D
CONCRETE FOUNDATION, TYPE E - 30" (750 mm) Dia.
CONCRETE FOUNDATION, TYPE E - 36" (900 mm) Dia.
CONCRETE FOUNDATION, TYPE E - 42" (900 mm) Dia.

which price shall be payment in full for all necessary excavating or drilling, back filling, disposal of unsuitable material, form work, ground rods and furnishing all materials within the limits of the foundation.

SPECIAL PROVISION
FOR
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

The removal of existing traffic signal equipment shall meet the requirements of Section 895.05 of the Standard Specifications, except as follows:

This work shall consist of removing the existing traffic signal equipment at an intersection as listed and as shown on the plans.

All equipment to be returned to an Agency shall be delivered by the Contractor to the Agency's Traffic Signal Maintenance Contractor's main facility. The Contractor shall contact the Agency's Electrical Maintenance Contractor to schedule an appointment to deliver the equipment. No equipment will be accepted without a prior appointment. All equipment shall be delivered within 30 days of removing it from the traffic signal installation. The Contractor shall provide 5 copies of a list of equipment that is to remain the property of the Agency, including model and serial numbers, where applicable. A list of equipment shall be signed by the Agency's Electrical Maintenance Contractor and fax to the County Engineer at (312) 603-9956. The Contractor shall also provide a copy of the contract plan or special provision showing the quantities and type of equipment. Controllers and peripheral equipment from the same location shall be boxed together (equipment from different locations may not be mixed) and all boxes and controller cabinets shall be clearly marked or labeled with the location from which they were removed. If equipment is not returned with these requirements, it will be rejected by the Agency's Electrical Maintenance Contractor. The Contractor shall be responsible for the condition of the traffic signal equipment from the time Contractor takes maintenance of the signal installation until the acceptance of a receipt drawn by the Agency's Electrical Maintenance Contractor indicating the items have been returned in good condition.

The traffic signal equipment which is to be removed and is to become the property of the Contractor shall be disposed of by them outside the right-of-way at their expense.

All equipment is to be disassembled so as to make for easy loading and storage into Agency stock as per the Engineers instructions.

Traffic signal equipment which is lost or not returned to the Department for any reason shall be replaced with new equipment meeting the requirements of these Specifications at no cost to the contract.

Basis of Payment. This work will be paid for at the contract unit price EACH for REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT per intersection which price shall be payment in full for removing the equipment, and storing and/or disposing of it as required. The salvage value of the equipment retained by the Contractor shall be reflected in this contract unit price.

SPECIAL PROVISION
FOR
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
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT

This item shall consist of relocating the existing emergency vehicle priority system light detector from an existing traffic signal mast arm or post to the new traffic signal mast arm or post as indicated in the plans or as directed by the Engineer.

The work shall include disconnecting light detector and reconnecting it to the new cable.

The emergency vehicle system is not to be inoperative for more than forty-eight (48) hours and the Contractor must notify the municipality or Fire Protection District seventy-two (72) hours prior to the disconnection of the equipment.

Basis of Payment. This item will be paid for at the contract unit price EACH for RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT which price shall be payment in full for disconnecting the existing light detector, relocating and connecting the light detector to the new cable complete and operating to the satisfaction of the Engineer. The relocating and connecting the existing confirmation beacon shall be considered incidental to the pay item for RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT.

The confirmation beacon and light detector lead-in cables will be paid for at the contract unit price per FOOT for ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C, ELECTRIC CABLE IN CONDUIT, NO. 20 3C, TWISTED, SHIELDED, ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL NO. 14 3C, or ELECTRIC CABLE AERIAL SUSPENDED, NO. 20 3C, TWISTED, SHIELDED, which price shall be payment in full for furnishing and installing the lead-in cable and making all electrical connections. The length of measurement shall be the distance horizontally measured between changes in direction, including cable in mast arms and slack cables. All vertical cables will not be measured for payment. Slack cables will be paid for as lead-in cables in conduit.

SPECIAL PROVISION
FOR
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT

This item shall consist of relocating the existing emergency vehicle priority system phasing unit (light detector amplifier) from an existing traffic signal controller to the new traffic signal controller cabinet, as indicated in the plans or as directed by the Engineer.

The work shall include disconnecting the emergency vehicle priority system phasing unit(s) (light detector amplifier) and reconnecting it/them to a new wiring harness which is to be factory wired into the new traffic signal controller cabinet.

The emergency vehicle system is not to be inoperative for more than forty-eight (48) hours and the Contractor must notify the municipality or Fire Protection District seventy-two (72) hours prior to the disconnecting of the equipment.

Basis of Payment. This item will be paid for at the contract unit price EACH for RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT which price shall be payment in full for disconnecting the existing phasing unit (light detector amplifier), relocating and connecting the phasing unit (light detector amplifier) to the new wiring harness at its new location complete and operating to the satisfaction of the Engineer.

SPECIAL PROVISION
FOR
UNINTERRUPTIBLE POWER SUPPLY

The furnishing and installation of this item shall meet the requirements of Section 862 and 1074.04 of the Supplemental Specifications and Recurring Special Provisions, except as follows:

The UPS shall have the power capacity to provide normal operation of a signalized intersection that utilizes all LED type signal head optics, for a minimum of six hours.

The UPS shall additionally include, but not be limited to, a battery cabinet. The UPS shall provide reliable emergency power to the traffic signals in the event of a power failure or interruption.

Installation

When a UPS is installed at an existing traffic signal cabinet, the UPS cabinet shall partially rest on the lip of the existing controller cabinet foundation and be secured to the existing controller cabinet by means of at least four (4) stainless steel bolts. The UPS cabinet shall be completely enclosed with the bottom and back constructed of the same material as the cabinet.

When a UPS is installed at a new signal cabinet and foundation, it shall be mounted as shown on the plans.

At locations where UPS is installed and Emergency Vehicle Priority System is in use, any existing incandescent confirmation beacons shall be replaced with LED lamps in accordance with the Cook County Emergency Vehicle Priority System specification at no additional cost to the contract.

Material:

The UPS shall be line interactive and provide voltage regulation and power conditioning when utilizing utility power. The UPS shall be sized appropriately for the intersection's normal traffic signal operating connected load, plus 20 percent (20%). The total connected traffic signal load shall not exceed the published ratings for the UPS. The UPS shall provide a minimum of six (6) hours of normal operation run-time for signalized intersections with LED type signal head optics at 77 °F (25 °C) (minimum 700 W/1000 VA active output capacity, with 90 percent minimum inverter efficiency).

The UPS shall have a minimum of four (4) sets of normally open (NO) and normally closed (NC) single-pole double-throw (SPDT) relay contact closures, available on a panel mounted terminal block or locking circular connectors, rated at a minimum 120 V/1 A, and labeled so as to identify each contact according to the plans.

The UPS shall be compatible with the County's approved traffic controller assemblies utilizing NEMA TS 1 or NEMA TS 2 controllers and cabinet components for full time operation.

When the intersection is in battery backup mode, the UPS shall bypass all internal cabinet lights, ventilation fans, service receptacles, any lighted street name signs, any automated enforcement equipment and any other devices directed by the Engineer.

Batteries, inverter/charger and power transfer relay shall be housed in a separate NEMA Type 3R cabinet. The cabinet shall be Aluminum alloy, 5052-H32, 0.125-inch thick and have a natural mill finish.

No more than three batteries shall be mounted on individual shelves for a cabinet housing six batteries and no more than four batteries per shelf for a cabinet housing eight batteries.

The battery cabinet housing shall have the following nominal outside dimensions: a width of 25 in. (785 mm), a depth of 16 in. (440 mm), and a height of 41 to 48 in. (1.1 to 1.3 m). Clearance between shelves shall be a minimum of 10 in. (250 mm).

The door shall open to the entire cabinet, have a neoprene gasket, an Aluminum continuous piano hinge with stainless steel pin, and a three point locking system. The cabinet shall be provided with a main door lock which shall operate with a traffic industry conventional No. 2 key. Provisions for padlocking the door shall be provided.

The battery cabinet shall have provisions for an external generator connection.

The UPS shall include a tip or kill switch installed in the battery cabinet, which shall completely disconnect power from the UPS when the switch is manually activated.

The UPS shall incorporate a flanged electric generator inlet for charging the batteries and operating the UPS. The generator connector shall be male type, twist-lock, rated as 15A, 125VAC with a NEMA L5-15P configuration and weatherproof lift cover plate (Hubbell model HBL4716C or approved equal). Access to the generator inlet shall be from a secured weatherproof lift cover plate or behind a locked battery cabinet police panel.

Battery System: All batteries supplied in the UPS shall be either gel cell or AGM type, deep cycle, completely sealed, prismatic lead calcium based, silver alloy, valve regulated lead acid (VRLA) requiring no maintenance. All batteries in a UPS installation shall be the same type; mixing of gel cell and AGM types within a UPS installation is not permitted.

Batteries shall be certified by the manufacturer to operate over a temperature range of -13 to 160 °F (-25 to + 71 °C) for gel cell batteries and -40 to 140 °F (-40 to + 60 °C) for AGM type batteries.

The UPS shall consist of an even number of batteries that are capable of maintaining normal operation of the signalized intersection for a minimum of six hours. Calculations shall be provided showing the number of batteries of the type supplied that are needed to satisfy this requirement. A minimum of four batteries shall be provided.

The warranty for an uninterruptible power supply (UPS) shall cover a minimum of two years from date the equipment is placed in operation; however, the batteries of the UPS shall be warranted for full replacement for a minimum of five years from the date the traffic signal and UPS are placed into service.

Basis of Payment

This work will be paid for at the contract unit price per EACH for UNINTERRUPTABLE POWER SUPPLY, which price shall be payment in full for furnishing and installing the Uninterruptible Power Supply complete with necessary connections for proper operation. Replacement of Emergency Vehicle Priority System confirmation beacons shall be included in the cost of the UNINTERRUPTABLE POWER SUPPLY item.

ECONOMIC DISCLOSURE STATEMENT AND EXECUTION DOCUMENTS
INDEX

Section	Description
Instructions	Instructions for Completion of Economic Disclosure Statement
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	Economic and Other Disclosures Affidavit of Child Support Obligations Disclosure of Ownership Interest
6	Certification Concerning Labor Standards

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 Purchasing Agent. 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 proposal, quote or offer submitted by the Undersigned, and in any event a "Proposal" 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. 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. 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. 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, 7, 8: Execution Forms. The Bidder executes this EDS, and the Contract, by completing and signing three copies of the appropriate Signature Page. Section 6 is the form for a sole proprietor; Section 7 is the form for a partnership or joint venture; and Section 8 is the form for a corporation. Proper execution requires **THREE ORIGINALS**; therefore, the appropriate Signature Page must be filled in, three copies made, and all three copies must be properly signed, notarized and submitted. The forms may be printed and completed by typing or hand writing the information required. The County is in the process of converting these forms into a format that may be downloaded and completed on the user's computer. Once this feature is available, those having the necessary software may follow the instructions set forth below under the heading "Instructions for Completing PDF Forms."

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.

DBE Utilization Plan Analysis

Compliance Officer Initials: SS	Bid Opening Date: November 9, 2011 CC Received Date: Compliance Officer Review Date:
Contract Title: Quentin Road – Illinois Avenue to Northwest Highway Section No.: 11-V6244-02-RS	Contract DBE Goal: 10% Term of Contract: N/A Requesting Department: Cook County Highway Department
Prime Contractor: A Lamp Concrete Contractors, Inc.	Bid Amount: $3,782,575.50
Contact Person: Jeff Moyer (President)	Telephone #: (847)891-6000

DBE PARTICIPATION

Company Name	Dollars ($)	%	Anniversary	LOI (D/I)
1. Precision Pavement Markings, Inc.	$ 36,217.50	0.96	8/1/2016	D
2. Tri-Tech Electric, Inc.	146,099.50	3.86	2/1/2014	D
3. Interunited Trucking Corp.	195,950.00	5.18	12/1/2016	D
TOTAL:	$ 378,267.00	10.00		

Scope of Services provided by DBE (1): Thermoplastic Pavement Markings, Raised Markers
Scope of Services provided by DBE (2): Electrical – Traffic Signal
Scope of Services provided by DBE (3): Hauling

FINDINGS

- Utilization Plan
  - Precision Pavement Markings, Inc. as a participant for $36,217.50 (0.96%)
  - Tri-Tech Electric, Inc. as a participant for $146,099.50 (3.86%)
  - Interunited Trucking Corp. as a participant for $195,950.00 (5.18%)

- Letter of Intent
  - Submitted and completed in its entirety by both the Prime Contractor and DBE Subcontractors.

COMMENTS and RECOMMENDATIONS:

- A Lamp Concrete Contractors, Inc. has met the 10% DBE participation and thus being recommended for award of this contract.

Office Manager Review:

Approved: LaWerne Hall
Contract Compliance Director

Initials: LH Date: 1/30/12

COOK COUNTY HIGHWAY DEPARTMENT

DBE SUMMARY SHEET

CONTRACTOR: A Lamp Concrete Contractors, Inc.

PROJECT: Quentin Road - Illinois Avenue to Northwest Highway

LETTING DATE: November 9, 2011

SECTION NO: 11-V6244-02-RS

CONTRACT VALUE: $3,782,575.50
DBE REQUIREMENTS: 10.0%

DBE CONTRACTOR	CERTIFICATION	AMOUNT	PERCENT OF CONTRACT
Precision Pavement Markings, Inc.	IUCP, Updated 1/19/2012, P. 238 *Anniversary: 8/1/2016*	$36,217.50	0.96%
Tri-Tech Electric, Inc.	IUCP, Updated 1/19/2012, P. 310 *Anniversary: 2/1/2014*	$146,099.50	3.86%
Inter United Trucking Corp.	IUCP, Updated 1/19/2012, P. 149 *Anniversary: 12/1/2016*	$195,950.00	5.18%
	TOTAL	**$378,267.00**	**10.00%**

NOTES: _____

STATUS ___X___ MEET DBE GOAL

_____ FAIL TO MEET DBE GOAL

IL Department of Transportation (IDOT)
2300 S. Dirksen Parkway
Springfield, IL 62764
(217) 782-5490
www.dot.state.il.us

City of Chicago - Office of Compliance
333 S. State St., Suite 540
Chicago, IL 60604
(312) 747-7778
www.cityofchicago.org/compliance

Chicago Transit Authority (CTA)
P.O. Box 7562
Chicago, IL60680
(312) 681-2601
www.transitchicago.com

Metra
547 W. Jackson Boulevard
Chicago, IL 60661
(312) 322-6323
www.metrarail.com

Pace
550 W. Algonquin Road
Arlington Heights, IL 60005
(847) 228-2439
www.pacebus.com

ILLINOIS UNIFIED CERTIFICATION PROGRAM

Complete Directory Sorted by Firm Showing:

Address
Email
Specialty

Generated on: 01/19/2012

1st. Class Excavation, Inc. 1

Odell Morgan II Phone: (773) 418-1007 [illegible]

Prairie Analytical Systems, Inc. 1377

Kristen Potter
1210 Capital Airport Dr.
Springfield, IL 62707

Phone: (217) 753-1148
Fax: (217) 753-1152
potterk@prairieanalytical.com
1,2,3,4,5,6,7,8,9

Anniversary: 6/1/2015

Category: **Professional**

NAICS
541380-Testing Laboratories;
541620-Environmental Consultant Services

Specialty
541380-MISC: SOILS LABORATORY TESTING;
MISC: ENVIRONMENTAL TESTING & ANALYSIS;
541620-MISC: WATER & WASTE WATER ANALYSIS

Precise Construction & Dismantlement Systems 1378

6445 S. State St.
Chicago, IL 60637-0000

Phone: 773-783-4222
Fax: 773-783-4233
preciseis@aol.com
District 1

Anniversary: 1/30/2016

Category: **Construction**

NAICS
236116-Residential Building Construction;
238110-Poured Concrete Foundation and Structure Contractors;
238130-Framing Contractors;
238140-Masonry Contractors;
238910-Site Preparation Contractors;
484110-General Freight Trucking, Local;
488490-Other Support Activities for Road Transportation

Specialty
General Contractor, Excavation, Demolition, Construction Management, Sewer, Concrete, Masonry, Carpentry, Snow Removal.

Precise Personnel Services Inc. 1379

Zakryscha Hayes
500 North Michigan Avenue, Suite 4
Chicago, IL 60611-5800

Phone: 312-222-5100
Fax: 312-222-0444
zak@precise-staffing.com
District 1

Anniversary: 5/31/2016

Category: **Miscellaneous**

NAICS
541611-Management Consulting Services;
541612-Management Consulting Services;
561110-Office Administrative Services;
561210-Facilities Support Services;
561311-Employment Placement Agencies;
561312-Employment Placement Agencies;
561320-Temporary Help Services

Specialty
Temporary and Permanent Personnel Services

Precision Construction Services, Inc. 1380

Charise George
1399 Lonedell Rd.
Arnold, MO 63010

Phone: (636) 296-4203
Fax: (636) 296-4223
pcsincstl@sbcglobal.net
1,2,3,4,5,6,7,8,9

Anniversary: 10/1/2015

Category: **Construction**

NAICS
237310-Highway, Street, & Bridge Construction

Specialty
237310-SAWING CONCRETE

Precision Pavement Markings, Inc. 1381

Alfredo Salazar, Sr.
559 Columbia Ave.
Elgin, IL 60120

Phone: (847) 489-0259
Fax: (847) 637-0867
ppminc@gmail.com
1,2,3,4,5,6

Anniversary: 8/1/2016

Category: **Construction**

NAICS
237310-Highway, Street, & Bridge Construction;
238320-Painting and Wall Covering Contractors

Specialty
237310-PAVEMENT MARKING: THERMOPLASTIC HAND;
PAVEMENT MARKERS RAISED;
PAVEMENT MARKING: PAINT;
238320-PAINTING, MISCELLANEOUS

Triple D Valuation Services, Inc. 1785

Jennifer Dounias
5906 Pershing Ave.
Downers Grove, IL 60516

Phone: (630) 673-9105
Fax: (630) 434-9779
jdounias@mac.com
1,2,3,4,5,6,7,8,9

Anniversary: 4/1/2016

Category: **Professional**

NAICS
531320-Offices of Real Estate Appraisers

Specialty
531320-REAL ESTATE APPRAISAL

Triple Digit Trucking L.L.C. 1786

Michelle York
2495 J.D. Turner Dr.
Jacksonville, IL 62650

Phone: (217) 473-3445
Fax: (217) 243-4057
michelleyork3445@yahoo.com
6,8

Anniversary: 1/1/2016

Category: **Trucking**

NAICS
484220-Specialized Freight (except Used Goods) Trucking, Local

Specialty
484220-TRUCKING

Tri-Star Supply, Inc. 1787

Martin L. Stephenson
1459 Bernard Dr.
1120 Allen St.
Addison, IL 60101

Phone: (630)-629-4440
Fax: (630) 629-6352
tristarsupply@att.net
1,2,3,4,5,6,7,8,9

Anniversary: 2/1/2014

Category: **Supplier**

NAICS
423610-Electrical Apparatus and Equipment, Wiring Supplies,

Specialty
423610-REG DEALER/AUTHORIZED DISTR - ELECTRICAL

Tri-State Enterprises, Inc. 1788

Bakir A. Doriwala
150 Anton Drive
Romeoville, IL 60446-4052

Phone: 815-372-3033
Fax: 815-372-9566
bakir@tristatebuilding.com
District 1

Anniversary: 7/1/2013

Category: **Construction**

NAICS
236220 - COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION.

Specialty
236220 -GENERAL CONTRACTOR

Tri-Tech Electric, Inc. 1789

Elizabeth L. Zupancic
1320 Enterprise Dr.
Romeoville, IL 60446

Phone: (630)-378-0600
Fax: (630)-378-0664
liz@tritechelectric.com
1,3

Anniversary: 2/1/2014

Category: **Construction**

NAICS
238210-Electrical Contractors

Specialty
238210-ELECTRICAL

TriUnity Engineering & Management, Inc. 1790

Jonnie Lee Thomas
2444 Washington St., Ste. 300
Denver, CO 80205

Phone: (303) 953-0320
Fax: (720) 367-5217
corporate@triunityeng.com
1,2,3,4,5,6,7,8,9

Anniversary: 7/1/2011

Category: **Professional**

NAICS
541690-Other Scientific & Technical Consulting;
541710-Research and Development in the Physical, Engineering

Specialty
541690-TECHNICAL TRAINING;
541710-RESEARCH

Tropic Treats, Inc. d/b/a Maui Wowi 1791

Priscialla Taylor
850 West Jackson, Suite 125
Chicago, IL 60607-0000

Phone: 312-738-3610
Fax: 312-738-3611
ptaylor@konatreats.com
District 1

Anniversary: 7/1/2013

Category: **Miscellaneous**

NAICS
722213-Limited-Service Eating Places

Specialty
Retail Shop;
Snack and Nonalcoholic Beverages (Specializing in Hawaiian Coffees and Smoothies)

Inter-City Supply Co., Inc.

861

Jackie B. Dyess
8830 S. Dobson Ave.
Chicago, IL 60619-6952

Phone: 773-731-8007
Fax: 773-731-9115
intercity@ameritech.net
District 1

Anniversary: 1/1/2015

Category: **Supplier**

NAICS

423840 - INDUSTRIAL SUPPLIES MERCHANT WHOLESALERS;
423850 - SERVICE ESTABLISHMENT EQUIPMENT AND SUPPLIES MERCHANT WHOLESALERS;
424120 - STATIONARY AND OFFICE SUPPLIES MERCHANT WHOLESALERS;
423450 - INDUSTRIAL SAFETY DEVICES;
424130 - INDUSTRIAL AND PERSONAL SERVICE PAPER MERCHANT WHOLESALERS.

Specialty

423840 -INDUSTRIAL SUPPLIES AND PACKAGING;
423850 -JANITORIALN SUPPLIES;
424120 -OFFICE SUPPLIES AND EQUIPMENT;
423450 - SAFETY SUPPLIES AND EQUIPMENT;
424130 - FOOD SERVICE SUPPLIES.

Intercontinent Engineers, Incorporated

862

Mandev S Rehal
1020 W. 31st St., Ste. 140
Downers Grove, IL 60515-0000

Phone: 630-852-0000
Fax: 630-852-4304
District 1

Anniversary: 12/1/2014

Category: **Professional**

NAICS

541310-Architectural Services;
541330-Engineering Services;
926150-Regulation, Licensing, and Inspection of Miscellaneous Commercial Sectors

Specialty

Engineering Services and Consulting;
Professional Design Firm;
Structural Engineering Services and Consulting;
Construction Inspection Services

International Filter Mfg. Corp

863

Cecilia Ewing
713 W. Columbian,P.O Box 549
Litchfield, IL 62056-0000

Phone: 217-324-2303
Fax: 217-324-2390
ifmcorp@consolidated.net
District 1

Anniversary: 7/6/2014

Category: **Manufacturer**

NAICS

333411-Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing;
333999-All Other General Purpose Machinery Manufacturing;
336399-Other Motor Vehicle Parts Manufacturing

Specialty

333411, 333999, 336399-MANUFACTURER AND DISTRIBUTOR OF HEAVY DUTY AIR FILTERS

Interstate Sealant & Concrete, Inc.

864

Cheryl A. Sment
108A Wilmont Dr.
Waukesha, WI 53189

Phone: (262) 547-6316
Fax: (262) 547-6844
csment@interstatesealant.com
1,2,3,4,5,6,7,8,9

Anniversary: 6/1/2015

Category: **Construction**

NAICS

237310-Highway, Street, & Bridge Construction

Specialty

237310-MISC: CLEAN/SEAL CRACKS & JOINTS

Interstate Steel Sales, Inc.

865

Deborah A. Riccione Gaulin
2813 Wehrle Dr.
Williamsville, NY 14221-7384

Phone: 716-651-5630
Fax: 716-651-5634
driccione@interstatesteelsales.com
District 1

Anniversary: 2/1/2016

Category: **Supplier**

NAICS

423510 - METAL SERVICE CENTERS AND OTHER METAL MERCHANT WHOLESALERS.

Specialty

423510 -SUPPLIER OF STRUCTURAL STEEL, BEAMS, CHANNELS, ANGIES, TUBING AND PIATES TO THE FABRICATION INDUSTRY IN THE CONSTRUCTION OF BUILDINGS.

Interunited Trucking Corp.

866

Nicolas Ramirez
966 Soiux Dr.
28839 Nagel Ct.
Round Lake Heights, IL 60073

Phone: (312) 671-8205
Fax: (312) 276-4287
alas@interunitedtrucking.com
1,2

Anniversary: 12/1/2016

Category: **Trucking**

NAICS

484220-Specialized Freight (except Used Goods) Trucking, Local

Specialty

484220-TRUCKING

COOK COUNTY DEPARTMENT OF HIGHWAYS

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 V62

Section 11-V6244-02-RS

Project Quentin Rd.

County Cook

Letting Date 11-09-11

Total Bid $3,782,575.50

Contract DBE Goal 10% (Percent) $378,257.55 (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 10 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.

Alamp Concrete Contractors, Inc.
Company

By Adele Lampignano

Title President

Date 12-13-11

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 Highways
Contract Documents
69 West Washington Street – Suite 2200
Chicago, IL 60602

The Cook County Highway Department is requesting disclosure of information that is necessary to accomplish the purpose as outlined under State and Federal law. Disclosure of this information is REQUIRED. Failure to provide any information will result in the contract not being awarded. This form has been approved by the State Forms Manager Center.

SBE 2025 (Rev. CCHD 4/11)

PETITION FOR WAIVER OF DBE PARTICIPATION
(SECTION 3)

N-A

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. If such supporting documentation cannot be submitted with bid/proposal/quotation, such documentation shall be submitted directly to the Office of Contract Documents no later than five (5) days from the date of submission date.**

☐ 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)**

N-A

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. If such supporting documentation cannot be submitted with bid/proposal/quotation, such documentation shall be submitted directly to the Office of Contract Documents of the Cook County Highway Department no later than three (3) days from the date of submission date.**

☐ 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 proposal 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.

COOK COUNTY DEPARTMENT OF HIGHWAYS
DBE Participation Statement

Subcontractor Registration Number IDOT 4126

Letting 11-09-11

Item No. 11-V6244-02-RS

Contract No. _____

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			
	Exhibit A			
			Total	36,217.50

(3) Partial Payment Items
For any of the above items which are partial pay items, specifically describe the work and subcontract dollar amount:

(4) Commitment

The undersigned certify that the information included herein is true and correct, and that the DBE firm listed below has agreed to perform a commercially useful function in the work of the contract item(s) listed above and to execute a contract with the prime contractor. **The undersigned further understand that no changes to this statement may be made without prior approval from the Cook County Highway Department and that complete and accurate information regarding actual work performed on this project and the payment therefore must be provided to the Department.**

Signature for Prime Contractor	Signature for DBE Firm
Adele Sorrignano	
Title President	Title VICE PRESIDENT
Date 12-13-11	Date 12-13-2011
Contact Person Jeff Moyer	Contact Person FRED SALAZAR
Phone 847-891-10000	Phone 847 489 0259
Firm Name Wamp Concrete Contractors, Inc.	Firm Name Precision Pavement Markings, Inc
Address 1900 Wright Blvd.	Address 559 COLUMBIA AVE
City/State/Zip Schaumburg IL 60193	City/State/Zip ELGIN, IL 60120
	E _____
	WC _____

The Cook County Highway Department is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under the state and federal law. Disclosure of this information is REQUIRED. Failure to provide any information will result in the contract not being awarded. This form has been approved by the State Forms Management Center

COOK COUNTY LETTER OF INTENT
(Section 2)

FROM DBE TO PERFORM AS SUBCONTRACTOR, SUPPLIER AND/OR CONSULTANT

Contract Title & Number: Quentin Rd. 11-V6244-D2-RS
From: Precision Pavement Markings, Inc (DBE Firm)
To: Alamp Concrete Contractors, 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		$	%
	Exhibit A.		$	%
			Total: $ 36,217.50	1% %

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 Alfredo Salazar Jr (print name) the VICE-PRESIDENT / OPERATIONS. (title) and duly authorized representative of the Precision Pavement Markings, 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 $ 36,217.50 which represents the above indicated total percentage 1% % for the contract amount $ 3,782,575.50

(Signature of affiant) 12, 13, 2011 (Date)

Subscribed and sworn to before me this 13th day of December, 2011

(Notary's Signature) (Notary Seal)

OFFICIAL SEAL
MACY BAKER
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:02/02/13

Upon penalty of perjury, Adele Lampignano (print name), the President (title) and duly authorized representative of Alamp Concrete Contractors, 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 $ 36,217.50, which represents the above indicated total percentage 1% % for the contract amount $ 3,782,575.50.

(Signature of affiant) 12, 13, 11 (Date)

Subscribed and sworn to before me this 13th day of December, 2011.

(Notary's Signature) (Notary Seal)

OFFICIAL SEAL
NICOLE A ENGELKING
NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES 05-15-2012

Precision Pavement Markings ,Inc

Exhibit A

The Road Striping Experts

November 7, 2011
A-LAMP CONCRETE
Attn: Estimating
Below please find our bid for the following:

Quentin Rd. – Illinois Ave to Northwest Hwy.
IDOT Subcontractor Number 412C

	PAYITEM	DESCRIPTION	UNIT	PLAN QUANTITY	UNIT PRICE	TOTALS
111	78000100	THERMOPLASTIC PAVEMENT MARKING - L&S	S.F.	1900	2.95	$ 5605.00
106	78000200	THERMOPLASTIC PAVEMENT MARKING-LINE 4"	L.F.	27300	0.50	$ 13650.00
107	78000400	THERMOPLASTIC PAVEMENT MARKING-LINE 6"	L.F.	3700	0.70	$ 2590.00
108	78000500	THERMOPLASTIC PAVEMENT MARKING-LINE 8"	L.F.	900	1.00	$ 900.00
109	78000600	THERMOPLASTIC PAVEMENT MARKING-LINE 12"	L.F.	3100	1.40	$ 4340.00
110	78000650	THERMOPLASTIC PAVEMENT MARKING-LINE 24"	L.F.	700	3.00	$ 2100.00
290	78100100	RAISED REFLECTIVE PAVEMENT MARKERS	EACH	290	24.25	$ 7032.50
					TOTAL	$ 36,217.50

Submitted By: Fred Salazar
V.P. Operations & Safety Training
Precision Pavement Markings, Inc.

To accept this Proposal, please sign and return

Authorized Signature & Date

PPM, Inc. · 559 Columbia Avenue, Elgin IL 60120· Phone 847-489-0259· Fax 847-637-0867· Email: ppminc@ymail.com

Illinois Department of Transportation
Office of Business & Workforce Diversity
2300 South Dirksen Parkway / Springfield, Illinois 62764

August 11, 2011

CERTIFIED-RETURN RECEIPT REQUESTED

Mr. Alfredo Salazar, Sr.
Precision Pavement Markings, Inc.
559 Columbia Ave.
Elgin, IL 60120

To Whom It May Concern:

Precision Pavement Markings, Inc., was certified as a Disadvantaged Business Enterprise (DBE) with the Illinois Department of Transportation effective July 26, 2011 under the following categories:

- Pavement Marking : Paint
- Painting (misc)
- Pavement Marking: Thermoplastic (Hand)
- Pavement Markers (Raised)

Please accept this letter until such time as their approval certificate is issued. Should you have any questions, please contact our office at 217-782-5490.

Sincerely,

Debra A. Clark, Manager
Certification Section
Small Business Enterprises

Illinois Department of Transportation

Precision Pavement Markings, Inc.

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.

Ann L. Schneider
Acting Secretary
Illinois Department of Transportation

Carol Lyle
Bureau Chief
Bureau of Small Business Enterprises

Effective the 26th day of July 2011

COOK COUNTY DEPARTMENT OF HIGHWAYS
DBE Participation Statement

Subcontractor Registration Number 6065

Letting 11-09-11

Item No. 11-V6244-02-RS

Contract No. _____

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
	Please See Attached			
	Exhibit B			
			Total	146,099.50

(3) Partial Payment Items
For any of the above items which are partial pay items, specifically describe the work and subcontract dollar amount:

(4) Commitment

The undersigned certify that the information included herein is true and correct, and that the DBE firm listed below has agreed to perform a commercially useful function in the work of the contract item(s) listed above and to execute a contract with the prime contractor. **The undersigned further understand that no changes to this statement may be made without prior approval from the Cook County Highway Department and that complete and accurate information regarding actual work performed on this project and the payment therefore must be provided to the Department.**

Signature for Prime Contractor	Signature for DBE Firm
Title President	Title PRESIDENT
Date 12-14-11	Date DECEMBER 14, 2011
Contact Person Jeff Moyer	Contact Person ELIZABETH L. ZUPANCIC
Phone 847-891-6000	Phone 630-378-0600
Firm Name Nam Concrete Contractors Inc.	Firm Name TRI-TECH ELECTRIC, INC
Address 1900 Wright Blvd.	Address 1320 ENTERPRISE DRIVE
City/State/Zip Schaumburg IL 60193	City/State/Zip ROMEOVILLE, IL. 60446

E _____

WC _____

The Cook County Highway Department is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under the state and federal law. Disclosure of this information is REQUIRED. Failure to provide any information will result in the contract not being awarded. This form has been approved by the State Forms Management Center.

COOK COUNTY LETTER OF INTENT
(Section 2)

FROM DBE TO PERFORM AS SUBCONTRACTOR, SUPPLIER AND/OR CONSULTANT

Contract Title & Number: Quentin Rd. 11-V6244-02-RS

From: TRI-TECH ELECTRIC, INC. (DBE Firm)

To: Alamp Concrete Contractors, 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
	Please See Attached		$ %
	Exhibit B.		$ %
			$ %
			Total: $ 146,099.50 4 %

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 ELIZABETH L. ZUPANCIC (*print name*) the PRESIDENT (*title*) and duly authorized representative of the TRI-TECH ELECTRIC, INC (DBE *firm*) affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplied/performed for the above indicated total dollar amount $ 146,099.50 which represents the above indicated total percentage 4 % for the contract amount $ 3,782,575.50

(Signature of affiant) 12, 14, 2011 (Date)

Subscribed and sworn to before me this 14TH day of DECEMBER 20 11

(Notary's Signature)

OFFICIAL SEAL
SUSAN SIMRAYH
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:11/18/14

Upon penalty of perjury, Adele Lampignano (*print name*), the President (*title*) and duly authorized representative of Alamp Concrete Contractors, 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 $ 146,099.50, which represents the above indicated total percentage 4 % for the contract amount $ 3,782,575.50

(Signature of affiant) 12, 14, 11 (Date)

Subscribed and sworn to before me this 14th day of December, 20 11.

(Notary's Signature)

(Notary Seal)

OFFICIAL SEAL
NICOLE A ENGELKING
NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES 05-15-2012

Exhibit B

Pg 1 of 2

CCHD - QUENTIN RD(ILL RD TO NW HWY)			TRI TECH ELECTRIC,INC.		
SEC# 11-V6244-02-RS			PHONE	630/378-0600	
BID DATE 11-9-2011			FAX	630/378-0664	
			email	liz@tritechelectric.com	
ITEM#	DESCRIPTION	UNIT	QTY	U/P	AMOUNT
66	FAC TY V CABINET	EACH	1	$ 15,000.00	$ 15,000.00
67	SH LED 1F 5S MAM	EACH	2	$ 1,550.00	$ 3,100.00
68	SH LED 1F 5S BM	EACH	2	$ 1,435.00	$ 2,870.00
69	RELOCATE EXIST SH	EACH	13	$ 300.00	$ 3,900.00
70	RELOCATE EXIST PED SH	EACH	2	$ 300.00	$ 600.00
71	RELOCATE EXIST PED PUSH BUTTON	EACH	2	$ 150.00	$ 300.00
72	TS BACKPLATE LOUV ALUM	EACH	2	$ 125.00	$ 250.00
73	TS POST GALV 16'	EACH	5	$ 1,275.00	$ 6,375.00
74	SMAA&P 32'	EACH	2	$ 7,275.00	$ 14,550.00
75	SERVICE INSTALL POLE MTD	EACH	1	$ 1,125.00	$ 1,125.00
76	HANDHOLE	EACH	1	$ 1,150.00	$ 1,150.00
77	HD HANDHOLE	EACH	2	$ 1,600.00	$ 3,200.00
78	IND LOOP DETECTOR	EACH	11	$ 225.00	$ 2,475.00
79	CONC FDN TYPE 30" DIA	EACH	27	$ 180.00	$ 4,860.00
80	DETECTOR LOOP TYPE 1	FOOT	2150	$ 15.25	$ 32,787.50
81	ELECBL C SERV #6 2C	FOOT	140	$ 6.25	$ 875.00
82	ELECBL C SIG #14 2C	FOOT	210	$ 1.20	$ 252.00
83	ELECLB C SIG #14 3C	FOOT	290	$ 1.20	$ 348.00
84	ELECBL C SIG #14 5C	FOOT	610	$ 1.20	$ 732.00
85	ELECBL C SIG #14 7C	FOOT	620	$ 1.20	$ 744.00
86	ELECBL C LEAD-IN #14 1PR	FOOT	250	$ 1.20	$ 300.00
87	ELECBL C GRD #6 1C	FOOT	510	$ 1.20	$ 612.00
88	ELECBL C #20 3C TW SH	FOOT	70	$ 1.20	$ 84.00
89	CONDUIT TRENCH 2.5" GS	FOOT	30	$ 14.50	$ 435.00
90	CONDUIT PUSH 2" GS	FOOT	70	$ 17.50	$ 1,225.00
91	TRENCH & BACKFILL FOR ELECT WORK	FOOT	30	$ 4.00	$ 120.00

92	RELOCATE EXIST EVP DETECTOR		EACH	1	$	450.00	$ 450.00
93	RELOCATE EXIST EVP PHASE		EACH	1	$	150.00	$ 150.00
94	UPS SYSTEM		EACH	1	$	8,950.00	$ 8,950.00
95	DRILL EXISTING HANDHOLE		EACH	4	$	275.00	$ 1,100.00
96	GRD EXIST HH FRAME&LID		EACH	6	$	225.00	$ 1,350.00
97	MAINT OF EXIST TS INSTALL		EACH	4	$	850.00	$ 3,400.00
98	REBUILD EXIST HANDHOLE		EACH	20	$	750.00	$ 15,000.00
99	REBUILD EXIST HD HANDHOLE		EACH	9	$	895.00	$ 8,055.00
100	REBUILD EXIST DBL HANDHOLE		EACH	6	$	1,125.00	$ 6,750.00
101	REMOVE EXIST TS EQUIP		EACH	1	$	1,200.00	$ 1,200.00
102	REM EXIST CONC FDN		EACH	2	$	275.00	$ 550.00
103	REM ELECBL FROM COND		FOOT	1200	$	0.50	$ 600.00
104	REMOVE EXIST HANDHOLE		EACH	1	$	275.00	$ 275.00
				TOTAL COSTS:			$ 146,099.50

Illinois Department of Transportation
Office of Business & Workforce Diversity
2300 South Dirksen Parkway / Springfield, Illinois 62764

March 21, 2011

CERTIFIED-RETURN RECEIPT REQUESTED

Ms. Elizabeth L. Zupancic
Tri-Tech Electric, Inc.
1320 Enterprise Dr.
Romeoville, IL 60446

Dear Ms. Zupancic:

The Illinois Department of Transportation (IDOT) has approved the "No Change Affidavit" for Tri-Tech Electric, Inc. and determined that the firm continues to meet DBE eligibility standards to perform work towards DBE goals.

In order to remain certified and in good standing, you must annually submit a No Change Affidavit. IDOT will send an affidavit form 60 days prior to the firm's next anniversary date.

Should the submitted information change, you are required to notify IDOT's Bureau of Small Business Enterprises (bureau) within 30 days of the change.

Note: Pursuant to 49 CFR Part 26.83(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
Bureau of Small Business Enterprises

Illinois Department of Transportation

TRI-TECH ELECTRIC, INC.

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 **20th** day of **January, 2009**

COOK COUNTY DEPARTMENT OF HIGHWAYS

DBE Participation Statement

Subcontractor Registration Number _____

Letting 11-09-11

Item No. 11-V6244-02-RS

Contract No. _____

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
	Please See Attached			
	Exhibit C.			
			Total	195,950.00

(3) Partial Payment Items

For any of the above items which are partial pay items, specifically describe the work and subcontract dollar amount:

Trucking & Hauling For Attached Items.

(4) Commitment

The undersigned certify that the information included herein is true and correct, and that the DBE firm listed below has agreed to perform a commercially useful function in the work of the contract item(s) listed above and to execute a contract with the prime contractor. **The undersigned further understand that no changes to this statement may be made without prior approval from the Cook County Highway Department and that complete and accurate information regarding actual work performed on this project and the payment therefore must be provided to the Department.**

Signature for Prime Contractor	Signature for DBE Firm
Adele Lampignano	[signature]
Title President	Title SECRETARY
Date 12-13-11	Date 12-13-11
Contact Person Jeff Moyer	Contact Person FERNANDO ALAS
Phone 847-891-6000	Phone 847-980-7910
Firm Name Namp Concrete Contractors, Inc.	Firm Name INTER UNITED TRUCKING CORP.
Address 1900 Wright Blvd.	Address 389 THELMA Ct.
City/State/Zip Schaumburg IL 60193	City/State/Zip WHEELING, IL 60090

E _____

WC _____

The Cook County Highway Department is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under the state and federal law. Disclosure of this information is REQUIRED. Failure to provide any information will result in the contract not being awarded. This form has been approved by the State Forms Management Center.

COOK COUNTY LETTER OF INTENT
(Section 2)

FROM DBE TO PERFORM AS SUBCONTRACTOR, SUPPLIER AND/OR CONSULTANT

Contract Title & Number: Quentin Rd. 11-V6244-D2-RS
From: INTER UNITED TRUCKING CORP. (DBE Firm)
To: Alamp Concrete Contractors, 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	
	Please See Attached Exhibit C.		$	%
			$	%
			$	%
			Total: $	%

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 FERNANDO ALAS (*print name*) the SECRETARY (*title*) and duly authorized representative of the INTER UNITED 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 $ 195950.00 which represents the above indicated total percentage 5 % for the contract amount $ 3,782,575.50

(Signature of affiant) 12, 13, 11 (Date)

Subscribed and sworn to before me this 13th day of December, 20 11

(Notary's Signature) (Notary Seal)

Upon penalty of perjury, Adele Lampignano (*Print name*) the President (*title*) and duly authorized representative of Alamp Concrete Contractors, 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 $ 195950.00 which represents the above indicated total percentage 5 % for the contract amount $ 3,782,575.50

(Signature of affiant) 12, 13, 11 (Date)

Subscribed and sworn to before me this 13th day of December, 20 11

(Notary's Signature) (Notary Seal)

"OFFICIAL SEAL"
ANGELICA TRAVERSA
Notary Public, State of Illinois
My Commission Expires May 3, 2014

OFFICIAL SEAL
NICOLE A ENGELKING
NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES 05-15-2012

INTER UNITED TRUCKING
389 Thelma Court
Wheeling, IL 60090
847-980-7910

Exhibit C

	ITEM	UNIT	QUANTITY
2	C C&G REMOVAL	FT	21,420.00
3	CL C PATCHES, TY I, 10"	SY	1,673.00
4	CL C PATCHES, TY II, 10"	SY	6,692.00
5	CL C PATCHES, TY III, 10"	SY	6,692.00
6	CL C PATCHES, TY IV, 10"	SY	1,673.00
7	SUB BASE GRAN MATL TY B 6"	SY	4,700.00
8	MEDIAN REMOVAL PARTIAL DEPTH	SF	49,150.00
9	EARTH EXCAVATION	CY	1,120.00
17	AGG BASE COURSE TY B 4"	SY	25.00
18	AGG BASE COURSE TY B 8"	SY	25.00
19	AGG BASE COURSE TY B 10"	SY	60.00
22	SIDEWALK REMOVAL	SF	200.00
26	TOPSOIL F&P 4"	SY	9,400.00
35	TRENCH BACKFILL	CY	10.00
117	CL B PATCHES TY II 10"	SY	500.00
122	HMA DRIVEWAY SURF REMOVAL	SY	300.00
124	DRIVEWAY PAVT REMOVAL	SY	300.00

Illinois Department of Transportation

Office of Business & Workforce Diversity
2300 South Dirksen Parkway / Springfield, Illinois 62764

June 15, 2011

CERTIFIED-RETURN RECEIPT REQUESTED

Mr. Leonel Corado
Interunited Trucking Corp.
389 Thelma Ct.
Wheeling, IL 60090

Dear Mr. Corado:

Your Disadvantaged Business Enterprise (DBE) *Continued DBE Eligibility Affidavit* has been received. Your firm remains certified with the Illinois Unified Certification Program (IL UCP) during the certification process. If additional information is required, you will be notified.

If you have any questions or concerns about the review process or the status of your application, please contact this office by mail at the following address or call (217) 782-5490.

Illinois Department of Transportation
Bureau of Small Business Enterprises
Attn: Certification Section
2300 S. Dirksen Parkway, Room 319
Springfield, IL 62764

ATTN: Certification Analyst **Tony Day**

Sincerely,

Debra A. Clark, Manager
Certification Section
Bureau of Small Business Enterprises

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:

1900 Wright Blvd., Schaumburg IL 60193
800 W Irving Park Rd., Schaumburg IL 60193

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)_X_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 [✓] Applicant or [ ] Stock/Beneficial Interest Holder

This Statement is an: [✓] Original Statement or [ ] Amended Statement

Identifying Information:

Name: Hamp Concrete Contractors, Inc. D/B/A: _____ EIN NO.: 36-3929173

Street Address: 1900 Wright Blvd.

City: Schaumburg State: IL Zip Code: 60193

Phone No.: 847-891-6000

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
Adele Lampignano	900 Wright Blvd. Schaumburg IL 60193	60%
Joseph Lampignano		40%

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
None		

3. Is the Applicant constructively controlled by another person or Legal Entity? [ ] Yes [✓] No

If yes, state the name, address and percentage of beneficial interest of such person or legal entity, and the relationship under which such control is being or may be exercised.

Name	Address	Percentage of Beneficial Interest	Relationship
None			

Declaration (check the applicable box):

[✓] I state under oath that the Applicant has withheld no disclosure as to ownership interest in the Applicant nor reserved any information, data or plan as to the intended use or purpose for which the Applicant seeks County Board or other County Agency action.

[ ] I state under oath that the Holder has withheld no disclosure as to ownership interest nor reserved any information required to be disclosed.

Adele Lampignano
Name of Authorized Applicant/Holder Representative (please print or type)

President
Title

Adele Lampignano
Signature

12-13-11
Date

Jmoyer@AlampConcrete.com
E-mail address

847-891-6000
Phone Number

Subscribed to and sworn before me this 13 day of Dec., 2011.

My commission expires: 5-15-12

X [signature]
Notary Public Signature

Notary Seal
OFFICIAL SEAL
NICOLE A ENGELKING
NOTARY PUBLIC, STATE OF ILLINOIS
MY COMMISSION EXPIRES 05-15-2012

CONTRACTOR'S
CERTIFICATION CONCERNING LABOR STANDARDS
AND
PREVAILING WAGE REUIREMENTS
(SECTION 6)

Recipient:

County Of Cook
69 West Washington Street
Chicago, IL 60602

Date: 12-13-11
Project Number: 11-V6244-D2-RS
Project Name Quentin Rd.

1. The undersigned, having executed a contract with the County of Cook for the construction of the above identified project, acknowledges that:

   (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.

   (b) Correction of any infractions of the aforesaid conditions, including infractions by any of his Subcontractors and any lower tier subcontractors, is his responsibility.

2. He certifies that:

   (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]

   (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.

3. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

4. **He certifies that:**

   (a) The legal name and the business address of the undersigned are:

   (b) The undersigned is (check one):
   ____ Sole Proprietorship
   ____ Partnership
   X Corporation
   ____ Other Organization (Describe)

(c) The name, title and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
Adele Lampignano	President	1900 Wright Blvd. Schaumburg IL 60193
Joseph Lampignano	Secretary	

(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 are (if non, so state):

NAME	ADDRESS	TRADE CLASSIFICATION
None		

DATE 12-13-11

Alamp Concrete Contractors, Inc.
CONTRACTOR

x Adele Lampignano
SIGNATURE

SUBCONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS
(Section 6)

To Contractor: Alamp Concrete Contractors, Inc. 1900 Wright Blvd. Schaumburg IL 60193

Date: 12-13-11
Project Number: 11-V6244-02-BS
Project Name: Quentin Rd.

1. The undersigned, having executed a contract with Alamp Concrete Contractors, Inc. (Contractor) _____ for Pavement Marking (Nature of Work) _____ in the amount of $36,217.50 in the construction of the above-identified project, certifies that:

   (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.

   (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]

   (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.

2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on 10 DAYS FROM NOTICE (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
Alfredo Salazar	President	509 JEFFERSON ELGIN, IL 60120
Alfredo Salazar	V.P.	800 WING ST ELGIN, IL 60123
Billy S. Salazar	V.P.	559 COLUMBIA AVE ELGIN, IL 60120

TRIVENI BALA SHARMA
2548 GROSS POINT RD
EVANSTON, IL 60201

Precision Pavement Markings, Inc
SUBCONTRACTOR

DATE 12-13-11

x
SIGNATURE

SUBCONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS
(Section 6)

To Contractor: Alamp Concrete Contractors, Inc.
1900 Wright Blvd.
Schaumburg IL 60193

Date: 12-14-2011
Project Number: 11-V6244-02-RS
Project Name: Quentin Rd.

1. The undersigned, having executed a contract with Alamp Concrete Contractors, Inc. (Contractor) for Electrical (Nature of Work) in the amount of $146,099.50 in the construction of the above-identified project, certifies that:

   (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.

   (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]

   (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.

2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on _____ (Date)

4. He certifies that:

   (a) The legal name and the business address of the undersigned are:

   (b) The undersigned is (check one):
   - ___ Sole Proprietorship
   - ___ Partnership
   - X Corporation
   - ___ Other Organization (Describe)

   (c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
Elizabeth L. Zupancic	President	811 Claremont Drive, Downers Grove, IL 60516

MARTIN ZUPANCIC - SECRETARY
330 WATERFORD DRIVE
WILLOWBROOK, IL. 60517

DATE 12-14-2011

TRI-TECH ELECTRIC, INC.
SUBCONTRACTOR
X
SIGNATURE

SUBCONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS
(Section 6)

To Contractor: Alamp Concrete Contractors, Inc. 1900 Wright Blvd. Schaumburg IL 60193

Date: 12-13-11
Project Number: 11-V6244-02-BS
Project Name: Quentin Rd.

1. The undersigned, having executed a contract with Alamp Concrete Contractors, Inc. (Contractor) _____ for Trucking & Hauling (Nature of Work) _____ in the amount of $ 195,950.00 in the construction of the above-identified project, certifies that:

   (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.

   (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]

   (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.

2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on Upon Notice from contractor (Date)

4. He certifies that:

   (a) The legal name and the business address of the undersigned are: INTERUNITED TRUCKIN CORP 389 THELMA Ct. WHEELING, IL 60090

   (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
JOSE VIDAL MELGAR	PRESIDENT	
JESUS MARTINEZ	TREASURE	
LEONEL CORADO	VICE PRESIDENT	

NICOLAS RAMIREZ ASST. SECRETARY
FERNANDO ALAS SECRETARY
EDUARDO MONTOYA
VICTOR GONZALEZ

INTER UNITED TRUCKING CORP.
SUBCONTRACTOR

DATE 12-13-11

X
SIGNATURE

BIDDER'S SIGNATURE SHEET

(If an Individual)
Signature of Bidder _____

Residence Address _____

Business Address _____

City of _____, State of _____

(If a co-partnership)

Firm Name _____

By _____

Business Address _____

NAMES AND RESIDENCE ADDRESSES OF MEMBERS OF THE FIRM

_____

_____

(If a Corporation)
Corporate Name Alamp Concrete Contractors, Inc.

By Adele Lampignano
It's Corporate President

Business Address 1900 Wright Blvd., Schaumburg IL 60193

(Corporate Seal) State of Incorporation Illinois

NAMES OF OFFICERS

President Adele Lampignano
Residence Address 1900 Wright Blvd. Schaumburg IL 60193
Vice President Joseph Lampignano
Residence Address 1900 Wright Blvd., Schaumburg IL 60193
Secretary Joseph Lampignano
Residence Address Same.
Treasurer Joseph Lampignano
Residence Address Same

ATTEST:
_____ /It's Corporate Secretary

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: The Hanover 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: 11-V6244-02-RS
(NUMBER)

to: A. LAmp Concrete Contractors, Inc.
(BIDDER)

The penalty of this bond is to be $ 3,782,575.50
(TOTAL DOLLAR AMOUNT OF CONTRACT)

SURETY

(SURETY COMPANY'S AUTHORIZED SIGNATURE)

CORPORATE

Todd Schaap
(ATTORNEY-IN-FACT)

02225 22292
AMB # NAIC

SEAL

THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

POWERS OF ATTORNEY
CERTIFIED COPY

KNOW ALL MEN BY THESE PRESENTS: That THE HANOVER INSURANCE COMPANY and MASSACHUSETTS BAY INSURANCE COMPANY, both being corporations organized and existing under the laws of the State of New Hampshire, and CITIZENS INSURANCE COMPANY OF AMERICA, a corporation organized and existing under the laws of the State of Michigan, do hereby constitute and appoint

Thomas O. Chambers, Kimberly S. Rasch and/or Todd Schaap

of **Racine, WI** and each is a true and lawful Attorney(s)-in-fact to sign, execute, seal, acknowledge and deliver for, and on its behalf, and as its act and deed any place within the United States, or, if the following line be filled in, only within the area therein designated

any and all bonds, recognizes, undertakings, contracts of indemnity or other writings obligatory in the nature thereof, as follows:
Any such obligations in the United States, not to exceed Forty Million and No/100 ($40,000,000) in any single instance

and said companies hereby ratify and confirm all and whatsoever said Attorney(s)-in-fact may lawfully do in the premises by virtue of these presents. These appointments are made under and by authority of the following Resolution passed by the Board of Directors of said Companies which resolutions are still in effect:

"RESOLVED, That the President or any Vice President, in conjunction with any Assistant Vice President, be and they are hereby authorized and empowered to appoint Attorneys-in-fact of the Company, in its name and as its acts, to execute and acknowledge for and on its behalf as Surety any and all bonds, recognizes, contracts of indemnity, waivers of citation and all other writings obligatory in the nature thereof, with power to attach thereto the seal of the Company. Any such writings so executed by such Attorneys-in-fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company in their own proper persons." (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 – Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

IN WITNESS WHEREOF, THE HANOVER INSURANCE COMPANY, MASSACHUSETTS BAY INSURANCE COMPANY and CITIZENS INSURANCE COMPANY OF AMERICA have caused these presents to be sealed with their respective corporate seals, duly attested by a Vice President and an Assistant Vice President, this **6th** day of **April, 2009**.

THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

Mary Jeanne Anderson, Vice President

Robert K. Grennan, Assistant Vice President

THE COMMONWEALTH OF MASSACHUSETTS)
COUNTY OF WORCESTER) ss.

On this **6th** day of **April, 2009**, before me came the above named Vice President and Assistant Vice President of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, to me personally known to be the individuals and officers described herein, and acknowledged that the seals affixed to the preceding instrument are the corporate seals of The Hanover Insurance Company Massachusetts Bay Insurance Company and Citizens Insurance Company of America, respectively, and that the said corporate seals and their signatures as officers were duly affixed and subscribed to said instrument by the authority and direction of said Corporations.

BARBARA ANN GARLICK
Notary Public
Commonwealth of Massachusetts
My Commission Expires Nov 3, 2011

Notary Public

My commission expires on November 3, 2011

I, the undersigned Assistant Vice President of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, hereby certify that the above and foregoing is a full, true and correct copy of the Original Power of Attorney issued by said Companies, and do hereby further certify that the said Powers of Attorney are still in force and effect.

This Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America.

"RESOLVED, That any and all Powers of Attorney and Certified Copies of such Powers of Attorney and certification in respect thereto, granted and executed by the President or any Vice President in conjunction with any Assistant Vice President of the Company, shall be binding on the Company to the same extent as if all signatures therein were manually affixed, even though one or more of any such signatures thereon may be facsimile." (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

GIVEN under my hand and the seals of said Companies, at Worcester, Massachusetts, this **9th** day of **November**, **2011**

THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

Stephen L. Brault, Assistant Vice President

BID DEPOSIT FORM

AS REQUIRED BY INSTRUCTION TO BIDDER OF/AND IN CONJUNCTION WITH THE BID HEREWITH SUBMITTED

(THIS FORM MUST BE SUBMITTED WITH THE BID)

TO: COOK COUNTY HIGHWAY DEPARTMENT

BID FOR: Quentin Road - ILLinois Ave to Northwest Hwy - 11-V6244-02-RS

BID OPENING DATE: 11-9-11

We deposit (subject to all condition of said proposal) the following described deposit check:

( ) Cashier's Check ( ) Bank Draft (✓) Bid Bond ( ) Other

Drawn on: Shorewest Surety of Kenosha WI
Bank City State

Draft or Check Number: — **Dated:** 11-9-11

Amount: $ 189,128.78 (5% of BID)

Submitted by: Alamp Concrete Contractors, Inc.
Bidder's Name

1900 Wright Blvd.
Street Address

Schaumburg IL 60193
City State Zip Code

DO NOT WRITE IN THE SPACES BELOW

The Above Described Deposit Check is:

1. ( ) HELD: _____ DATE: _____
2. ( ) MAILED: _____ DATE: _____
3. ( ) DELIVERED TO: _____ DATE: _____
4. ( ) BOND SUBSTITUTED: _____ DATE: _____
5. ( ) BOND MAILED TO: _____ DATE: _____

Proposal Bid Bond

COUNTY OF COOK
DEPARTMENT OF HIGHWAYS

Project: Quentin Road
Section: 11-V6244-02-RS
Date: 11-9-11
Letting: 11-9-11

We A. Lamp Concrete Contractors, Inc. as PRINCIPAL, and The Hanover 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 the said SURETY have caused this instrument to be signed by their respective officers and their corporate seals to be hereunto affixed this 9 day of November A.D. 20 11.

A. Lamp Concrete Contractors, Inc PRINCIPAL

(Company Name) (Seal)

BY: (Signature & Title) Vice Joseph Lampignano, 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.)

The Hanover Insurance Company SURETY

(Name of Surety) (Seal)

BY: (Signature of Attorney-in-fact) Todd Schaap

STATE OF ~~ILLINOIS~~ Wisconsin
COUNTY OF ~~COOK~~ Kenosha

I, Kimberly S. Rasch, a Notary Public in and for Cook County, do hereby certify that Joseph Lampignano and Todd Schaap

(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 9 day of November A.D. 20 11

My commission expires 3/16/14

Notary Public

KIMBERLY S. RASCH NOTARY PUBLIC STATE OF WISCONSIN

NOTICE

1. IMPROPER EXECUTION OF THIS FORM (i.e. MISSING SIGNATURES OR SEALS OR INCOMPLETE CERTIFICATION) WILL RESULT IN BID BEING DECLARED IRREGULAR.
2. IF BID BOND IS USED IN LIEU OF PROPOSAL GUARANTY CHECK, IT MUST BE ON THIS FORM AND MUST BE SUBMITTED WITH BID.

SURETY BOND FORM

(Section 11)

Bond No. 1004587

KNOW ALL MEN: That we A. Lamp Concrete Contractors, Inc. 1900 Wright Blvd., Schaumburg, IL
(Insert here name and address of legal title of contractor)

hereinafter called the Principal, and The Hanover Insurance Company, 440 Lincoln St., Worcester, MA and
(Insert here name and address or legal title of one or more sureties)

n/a and

hereinafter called the Surety are held and firmly bound unto The County of Cook, a body politic and corporate of the State of Illinois hereinafter called the County, and to such persons, firms and corporations having contracts with the within named Principal or with sub-contractors for the furnishing of materials or labor to the improvement contemplated in the contract hereinafter mentioned, in the penal sum of *see below Dollars ($) for the payment whereof the Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally firmly, by these presents. *Three Million Seven Hundred Eighty Two Thousand Five Hundred Seventy Five and 50/100---($3,782,575.50)

Whereas, the Principal has under date of 3-1-12 entered into a Contract with the County for **QUENTIN ROAD from Illinois Avenue to Northwest Highway. Section: 11-V6244-02-RS on Route No. V62.**

Now, therefore, the Condition of this Obligation is such that if the Principal shall faithfully perform the work in accordance with the terms of said contract and shall commence and complete the work within the time prescribed in said contract, and shall indemnify and save harmless the County from any direct or indirect damages that may be suffered or claimed on account of such construction, or improvement during the time of the performance thereof, and in addition thereto for a period of one year after said improvement is accepted and shall promptly make payment of all sums due for labor, material, apparatus, fixtures or machinery furnished for the purpose of such construction or improvement, and shall have complied with the requirement in said contract for the payment of not less than the general prevailing wage rates to all laborers, workmen and mechanics in accordance with the findings of The Board of County Commissioners for The County of Cook in compliance with "An Act regulating wages of laborers, mechanics and other workmen employed under contracts for public work," Approved June 26, 1941, as amended, or to such wage rates as may be determined by the court on appeal as is in said Act provided, then this Obligation shall be null and void; otherwise it shall remain in full force and effect.

And the said surety, for value received, hereby stipulates and agrees that no extension of time for performance provided for in said contract, and that no change, alteration or addition to the terms of the contract or to the work to be performed there under shall in any wise affect its obligation under this bond,

and it does hereby waive notice of any such extension of time, change alteration or addition to the terms of the contract or to the work to be performed there under.
Contract dated: 3-1-12

For **QUENTIN ROAD from Illinois Avenue to Northwest Highway. Section: 11-V6244-02-RS on Route No. V62.**

The principal and sureties on this bond agree to pay all persons, firms and corporations having contracts with the principal or with sub-contractors, all just claims due them under the provisions of such contracts for labor performed or materials furnished, in the performance of the contract on account of which this bond is given, when such claims are not satisfied out of the contract price of the contract on account of which this bond is given, after final settlement between the County and the Principal has been made, in accordance with the provisions of "An Act in relation to bonds of contractors entering into contracts for public construction." Approved June 20, 1931, as amended.

Signed and sealed this 13 day of Dec A.D.20 11.

In the Presence of
ATTEST:

A. Lamp Concrete Contractors, Inc.
(Seal)
Principal

A LAMP CONCRETE CONTRACTORS INC. CORPORATE SEAL ILLINOIS

By Adele Lampignano
It's President

It's Secretary

The Hanover Insurance Company
(Seal)
Surety

By (Seal)
It's Attorney in Fact
Thomas O. Chambers

Approved as to form:

By
Assistant State's Attorney

THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

POWERS OF ATTORNEY
CERTIFIED COPY

KNOW ALL MEN BY THESE PRESENTS: That THE HANOVER INSURANCE COMPANY and MASSACHUSETTS BAY INSURANCE COMPANY, both being corporations organized and existing under the laws of the State of New Hampshire, and CITIZENS INSURANCE COMPANY OF AMERICA, a corporation organized and existing under the laws of the State of Michigan, do hereby constitute and appoint

Thomas O. Chambers, Kimberly S. Rasch and/or Todd Schaap

of **Racine, WI** and each is a true and lawful Attorney(s)-in-fact to sign, execute, seal, acknowledge and deliver for, and on its behalf, and as its act and deed any place within the United States, or, if the following line be filled in, only within the area therein designated

any and all bonds, recognizes, undertakings, contracts of indemnity or other writings obligatory in the nature thereof, as follows:
Any such obligations in the United States, not to exceed Forty Million and No/100 ($40,000,000) in any single instance

and said companies hereby ratify and confirm all and whatsoever said Attorney(s)-in-fact may lawfully do in the premises by virtue of these presents. These appointments are made under and by authority of the following Resolution passed by the Board of Directors of said Companies which resolutions are still in effect:

"RESOLVED, That the President or any Vice President, in conjunction with any Assistant Vice President, be and they are hereby authorized and empowered to appoint Attorneys-in-fact of the Company, in its name and as its acts, to execute and acknowledge for and on its behalf as Surety any and all bonds, recognizes, contracts of indemnity, waivers of citation and all other writings obligatory in the nature thereof, with power to attach thereto the seal of the Company. Any such writings so executed by such Attorneys-in-fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company in their own proper persons." (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 – Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

IN WITNESS WHEREOF, THE HANOVER INSURANCE COMPANY, MASSACHUSETTS BAY INSURANCE COMPANY and CITIZENS INSURANCE COMPANY OF AMERICA have caused these presents to be sealed with their respective corporate seals, duly attested by a Vice President and an Assistant Vice President, this **6th** day of **April, 2009**.

THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

Mary Jeanne Anderson, Vice President

Robert K. Grennan, Assistant Vice President

THE COMMONWEALTH OF MASSACHUSETTS)
COUNTY OF WORCESTER) ss.

On this **6th** day of **April, 2009**, before me came the above named Vice President and Assistant Vice President of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, to me personally known to be the individuals and officers described herein, and acknowledged that the seals affixed to the preceding instrument are the corporate seals of The Hanover Insurance Company Massachusetts Bay Insurance Company and Citizens Insurance Company of America, respectively, and that the said corporate seals and their signatures as officers were duly affixed and subscribed to said instrument by the authority and direction of said Corporations.

BARBARA ANN GARLICK
Notary Public
Commonwealth of Massachusetts
My Commission Expires Nov 3, 2011

Notary Public

My commission expires on November 3, 2011

I, the undersigned Assistant Vice President of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, hereby certify that the above and foregoing is a full, true and correct copy of the Original Power of Attorney issued by said Companies, and do hereby further certify that the said Powers of Attorney are still in force and effect.

This Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America.

"RESOLVED, That any and all Powers of Attorney and Certified Copies of such Powers of Attorney and certification in respect thereto, granted and executed by the President or any Vice President in conjunction with any Assistant Vice President of the Company, shall be binding on the Company to the same extent as if all signatures therein were manually affixed, even though one or more of any such signatures thereon may be facsimile." (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

GIVEN under my hand and the seals of said Companies, at Worcester, Massachusetts, this 13 day of Dec 2011

THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA

Stephen L. Brault, Assistant Vice President

STATE OF WISCONSIN)

COUNTY OF **Kenosha**)

ON THIS 13th day of December, 2011,

before me, a notary public, within and for said County and State, personally appeared ___ **Thomas O. Chambers** to me personally known, who being duly sworn, upon oath did say that he is the Attorney-in-Fact of and for the **The Hanover Insurance Company**, a corporation of **New Hampshire**, created, organized and existing under and by virtue of the laws of the State of **New Hampshire**; that the corporate seal affixed to the foregoing within instrument is the seal of the said Company; that the seal was affixed and the said instrument was executed by authority of its Board of Directors; and the said **Thomas O. Chambers** did acknowledge that he/she executed the said instrument as the free act and deed of said Company.

Kimberly S. Rasch
Notary Public, **Kenosha** County, Wisconsin
My Commission Expires **3/16/2014**

NOTARY PUBLIC
KIMBERLY S. RASCH
STATE OF WISCONSIN

COUNTY OF COOK

CHICAGO, ILLINOIS

PROPOSAL

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

known as Quentin Road

Route V62 *Section* 11-V6244-02-RS

From Illinois Avenue *To* Northwest Highway

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 of Quentin Road begins at Sta. 14+04.10, a point on the centerline of Quentin Road approximately 410 feet north of the centerline of Illinois Avenue and extends in an northerly direction to Sta. 252+52.28, a point on the centerline of Quentin Road approximately along the south edge-of-pavement of Baldwin Road, for a total distance of 10,322.18 feet of which 10,290.00 feet (1.94 miles) to be improved. This improvement lies within the Village of Palatine, Cook County, Illinois.

DESCRIPTION OF IMPROVEMENT

This is a Quality Control/Quality Assurance Project utilizing Hot-Mix Asphalt mixes.

The improvements to Quentin Road between Illinois Avenue and Northwest Highway consist of repair of existing distressed P.C. Concrete Pavement with Class C Patches (10 in.), removal and replacement of Combination Concrete Curb And Gutter, Type B-6.24 and resurfacing with ¾ In. Polymerized Leveling Binder (Machine Method), IL-4.75, N50 and 2 ¼ In. Polymerized Hot-Mix Asphalt Surface Course, Mix "E", IL-12.5 or 9.5, N90. Also included is complete removal of existing M-7 median including curb and gutter and replacement with P.C.Concrete Base Course (10 in.) over Subbase Granular Material, 6 In., scarification of existing C-4 median, drainage additions and adjustments, traffic signal modifications including replacement of loop detectors at signalized intersections, signing, striping, landscaping restoration of the parkway with topsoil and sodding, Traffic Protection and other related road work as required to complete the improvement.

PROPOSAL AGREEMENTS

1. Examination. The undersigned declares that he has carefully examined the plans and specifications, the contract and surety bond forms, and also the site of the proposed improvement in order to understand the detailed requirements of construction and all the local conditions affecting the contract.

2. Performance. The undersigned proposes to furnish all labor, materials and equipment complete in place and to perform all work named and described in this proposal, together with all incidental work necessary to complete the improvement, in accordance with the plans and specifications herein referred to or hereto attached, for the sum of the products obtained by multiplying each of the estimated quantities tabulated in the schedule of prices by the respective unit price submitted.

3. Prices. The undersigned must show, in the Schedule of Prices, the unit prices for which he proposes to furnish the materials and perform the work for each quantity in the Schedule of Prices, that each unit price must be shown in figures, for example, $1.89, that the extension must be made by him, that the total summation of the extended amounts must be stated in the figures and that if not so done, his proposal may be rejected as irregular. The undersigned agrees that the unit prices submitted are only for the proposal of obtaining a gross amount, and for arriving at the contract price. Should any discrepancy occur between the gross amount submitted and the one resulting from the sum of the products obtained by multiplying the quantities by their respective unit prices, the latter sum shall apply.

4. Contract. The undersigned agrees to execute a contract covering the performance of the work and the furnishing of materials for the construction of the proposed improvement in the form prescribed by the Board of County Commissioners and hereto attached, within fifteen (15) days from the date of acceptance of this proposal.

5. Surety Bond. Before entering into a contract for the construction of the proposed improvement, the undersigned agrees, at his own cost, to furnish and execute a surety bond in the form prescribed by the Board of County Commissioners and hereto attached in the amount of one hundred per cent (100%) of the contract price, with a Surety Company to be approved by said Board of County Commissioners, guaranteeing that the Contractor will construct the proposed improvement in full accordance with the terms of the contract and that he will start construction operations and complete the proposed improvement within the time specified in the contract.

6. Proposal Guaranty. The undersigned encloses, as a guaranty of good faith to enter into a contract for the construction of the proposed improvement, a bank cashier's check, bank draft, certified check or Bid Bond for: the amount indicated in Special Provision, Proposal Guaranty, Section 102.09; payable to the TREASURER OF COOK COUNTY. The undersigned understands that the checks of all except the two (2) lowest bidders who meet the requirements for bidders will be returned within three (3) days after opening of proposals, while the remainder of the checks will be returned when the executed contract and surety bond have been approved. The undersigned understands that failure on the part of the bidder who submits the Proposal accepted by The Board of County Commissioners to execute a contract and surety bond within (15) days from the date of acceptance shall be considered just cause for the retention by said County of the proposal guaranty as payment for liquidated damages sustained by the County of Cook as the result of such failure and the annulment of the acceptance of the proposal. In the event of acceptance of this proposal by the Board of County Commissioners the undersigned agrees to the following requirements:

7. Performance. The undersigned agrees to furnish all labor materials and equipment complete in place and to perform all work named and described in this proposal together with all incidental work necessary to complete the improvement in accordance with the plans and specifications herein referred to or hereto

attached for the sum of the products obtained by multiplying each of the estimated quantities tabulated in the Schedule of the Prices by the respective unit price submitted.

8. Quantities. The undersigned declares that he understands that the estimated quantities tabulated in the Schedule of Prices are approximate only being subject to increase or decrease and that he will take in full payment therefor the amount of the summation of the products of the actual quantities as finally determined multiplied by the respective unit prices shown in the Schedule of Prices.

9. Changes in Improvement. The undersigned agrees that in case the County Superintendent of Highways of the County of Cook decides either to extend or decrease the area of the proposed improvement or to do both or otherwise alter it by extras or deductions including the elimination of any one or more of the quantities listed in the Schedule of Prices the undersigned will make such change in the contract price by adding or subtracting therefrom 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.

10. Date of Start and Completion. The contractor will not be permitted to begin the on site construction for this contract until See Special Provision No. 79 . All necessary submittals and the ordering of materials shall be undertaken prior to N/A to insure prompt completion of the project. The Contractor shall not begin construction operations until the contract has been approved by the Board of Cook County Commissioners. As soon as this approval is received, the Contractor will be notified by letter mailed to Contractor at the address given above, by the County Superintendent of Highways of The County of Cook, to commence operations on a specified date. The undersigned agrees to start construction operations on the date so specified and to complete the proposed improvement in full compliance with the contract on or before October 19, 2012.

11. Forfeit of Contract. The undersigned agrees that for failure or neglect to prosecute the same diligently in such manner as in the opinion of said County Superintendent of Highways is necessary for the completion of the proposed improvement within the time herein specified, or for his failure or neglect to keep and perform any of the agreements in this proposal specified to be kept and performed by him, the board of County Commissioners may at its option declare this contract forfeited and terminate all the rights of the Contractor thereunder.

Proposal submitted by :

Name: Alamp Concrete Contractors, Inc.

Address: 1900 Wright Blvd.

City, State ,Zip: Schaumburg IL 60193

CONTRACT
(SECTION 10)

This AGREEMENT made and entered into this 1ST day of MARCH A.D., 20 12 by and between The County of Cook, party of the first part and hereinafter called County, and Alamp Concrete Contractors, Inc., 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 **QUENTIN ROAD from Illinois Avenue to Northwest Highway.** In the Township of **Palatine** County of Cook, and State of Illinois, said section known or to be known as **Section: 11-V6244-02-RS** Route **V62** at his own cost and expense, free from all liens, claims, and charges whatsoever, and in a good substantial, thorough and workmanlike manner, and in strict and full accordance, conformity and compliance with all the terms and conditions of this contract and the requirements under it of the County Superintendent of Highways of Cook County, Illinois, and under the direction and to the satisfaction of the said County Superintendent of Highways.

It is expressly understood and agreed by and between said County and said Contractor that the Proposal hereto attached and Notice to Contractors, Specifications, Plans, Maps, Blue Prints, and Drawings, on file in the Office of the County Superintendent of Highways of Cook County, Illinois, and in the office of the Department of Transportation, Springfield, Illinois, copies of which are hereto attached, hereby are included in and made a part of this contract.

In consideration whereof, said County agrees to pay said Contractor the sum of Three Million Seven Hundred Eighty two Thousand Five Hundred dollars ($3,782,575.50) subject to the provisions of that paragraph of the Proposal entitled "Changes in Improvement." Seventy Five $50/100-

The County Superintendent of Highways shall at the end of each month make an estimate in writing, such as in his opinion shall be just and fair, of the amount of materials furnished, delivered, properly set in place and incorporated into the herein described improvement, and the amount of work properly done by said Contractor in the performance of the work hereunder and the value thereof under and according to the terms of this contract.

The first estimate shall cover the amount of work performed and the value of the materials properly set in place and incorporated into the herein described improvement since said Contractor commenced the performance of this contract, and each subsequent estimate, except the final one, shall be of the amount of work performed and the value of the materials properly set in place and incorporated into said improvement since the last preceding estimate was made.

Such estimates of amount and quality shall not be required to be made by strict measurement, but shall be sufficient if they are made approximately only, and each such estimate shall be submitted to the Board of County Commissioners of Cook County and upon approval by said Board of Commissioners said County shall pay to said Contractor ninety per cent (90%) of the amount stated in said estimates.

At least one week before each payment falls due, said Contractor shall submit to said County Superintendent of Highways requisition for such payment, and, shall, if required, submit therewith an itemized statement of the quantities and cost and proportionate profit of work performed to the termination of the period to be covered by such payment, together with an affidavit setting forth that the items in said statement are true and just, that the services were rendered, that the articles or materials were furnished, that the sum claimed is due and unpaid, after allowing all just credits, that all labor, materials, apparatus, fixtures, and machinery furnished or used have been paid for, and if not, stating those not paid for, giving the amount due, to whom due, and for what due, attaching to said affidavit waivers of lien from those mentioned in said exceptions as having unpaid claims, and such affidavit shall contain such other matter as may be deemed necessary by the said County Superintendent of Highways to protect said County in its payments, and any such statement shall not be binding upon said County Superintendent of Highways.

QUENTIN ROAD from Illinois Avenue to Northwest Highway. in the **Township of Palatine**, County of Cook, and State of Illinois, said section known or to be known as **Section: 11-V6244-02-RS Route V62** at his own cost and expense, free from all liens, claims, and charges whatsoever, and in a good substantial, thorough and workmanlike manner, and in strict and full accordance, conformity and compliance with all the terms and conditions of this contract and the requirements under it of the County Superintendent of Highways of Cook County, Illinois, and under the direction and to the satisfaction of the said County Superintendent of Highways.

It is expressly understood and agreed by and between said County and said Contractor that the Proposal hereto attached and Notice to Contractors, Specifications, Plans, Maps, Blue Prints, and Drawings, on file in the Office of the County Superintendent of Highways of Cook County, Illinois, and in the office of the Department of Transportation, Springfield, Illinois, copies of which are hereto attached, hereby are included in and made a part of this contract.

In consideration whereof, said County agrees to pay said Contractor the sum of Three Million Seven Hundred Eight Two Thousand Five Hundred Dollars ($3782575.50 subject to the provisions of that paragraph of the Proposal entitled "Changes in Improvement."
Seventy Five $ 50/100 —

The County Superintendent of Highways shall at the end of each month make an estimate in writing, such as in his opinion shall be just and fair, of the amount of materials furnished, delivered, properly set in place and incorporated into the herein described improvement, and the amount of work properly done by said Contractor in the performance of the work hereunder and the value thereof under and according to the terms of this contract.

The first estimate shall cover the amount of work performed and the value of the materials properly set in place and incorporated into the herein described improvement since said Contractor commenced the performance of this contract, and each subsequent estimate, except the final one, shall be of the amount of work performed and the value of the materials properly set in place and incorporated into said improvement since the last preceding estimate was made.

Such estimates of amount and quality shall not be required to be made by strict measurement, but shall be sufficient if they are made approximately only, and each such estimate shall be submitted to the Board of County Commissioners of Cook County and upon approval by said Board of Commissioners said County shall pay to said Contractor ninety per cent (90%) of the amount stated in said estimates.

At least one week before each payment falls due, said Contractor shall submit to said County Superintendent of Highways requisition for such payment, and, shall, if required, submit therewith an itemized statement of the quantities and cost and proportionate profit of work performed to the termination of the period to be covered by such payment, together with an affidavit setting forth that the items in said statement are true and just, that the services were rendered, that the articles or materials were furnished, that the sum claimed is due and unpaid, after allowing all just credits, that all labor, materials, apparatus, fixtures, and machinery furnished or used have been paid for, and if not, stating those not paid for, giving the amount due, to whom due, and for what due, attaching to said affidavit waivers of lien from those mentioned in said exceptions as having unpaid claims, and such affidavit shall contain such other matter as may be deemed necessary by the said County Superintendent of Highways to protect said County in its payments, and any such statement shall not be binding upon said County Superintendent of Highways.

There shall be deducted from the amount so determined for the first fifty (50) percent of the completed work a sum of ten (10) percent to be retained until after the completion of the entire work to the satisfaction of the County. After fifty (50) percent or more of the work is completed, the County may, at its discretion, certify the remaining partial payments without any further retention, provided that satisfactory progress is being made, and provided that the amount retained is not less than five (5) percent of the total adjusted contract price.

It is expressly agreed by the parties hereto that in the event any defects or imperfections in the materials or workmanship to be furnished by the Contractor herein appear within the period of one year from the date of completion of all the work mentioned herein and the acceptance thereof by said County, the Contractor will, upon notice from the said County Superintendent of Highways, (which notice may be given by letter mailed to said Contractor to the business address of the Contractor shown in the Proposal), repair and make good at his own cost any such defects or imperfections and replace any defective or imperfect materials or workmanship with other materials or workmanship

satisfactory to said County Superintendent of Highways, and furnish all such new materials and labor as may be necessary to do so; and in the event of the failure, refusal or delay of said Contractor to so make good, repair or replace said workmanship or materials, said County may do so or have same done by others, and said Contractor and the surety or sureties on his bond given for the faithful performance of this contract shall be liable to The County of Cook for all damages and expense occasioned by such failure, refusal or delay.

It is expressly and mutually covenanted and agreed that all of the Plans and Specifications hereinbefore mentioned and this Instrument together are the documents forming the contract between said County and said Contractor and are correlative, and whatever may be provided for and required by one of said documents shall be as binding as if provided for and required by two or more of them.

The Contractor expressly agrees that not less than the general prevailing rate of wages as found by The Board of County Commissioners for The County of Cook in accordance with the provisions of "An Act regulating wages of laborers, mechanics and other workmen employed under contracts for public works", Approved June 26, 1941, as amended, or such wage rates as may be determined by the court on appeal as in said Act provided, shall be paid to all laborers, workmen and mechanics performing work under this contract. The prevailing wage rates as found by the said Board of County Commissioners are on file in the office of the County Clerk for the County of Cook.

It is expressly understood and agreed that if the said Contractor shall fail, refuse or neglect to comply with said contract and Plans and Specifications or any provisions therein contained, or to proceed according to the terms of said contract and Plans and Specifications or any part thereof, in the manner and at the time as directed by the said County Superintendent of Highways, then the said County shall have the right, and The Board of County Commissioners of Cook County is hereby given authority on behalf of the said County to declare this contract forfeited, and the said County may re-bid the whole or any part thereof upon such terms as it may see fit without prejudice to any of its rights herein.

It is expressly understood and agreed by the parties hereto that the County Superintendent of Highways shall fix and determine the amount of damages to be paid to said County by the said Contractor by reason of the failure or refusal to perform this contract or comply with the provisions thereof as aforesaid, and the said Contractor hereby agrees to be held liable for the amount so fixed and determined and agrees to pay such amount; and the said County shall apply in payment of any such amount so fixed and determined any and all sums on hand or due and owing to said Contractor, and if there be not sufficient money on hand or due and owing to said Contractor to balance and pay said amount so fixed and determined, then, in such case, any amount remaining unpaid shall be a valid and subsisting claim against the said Contractor and the surety or sureties on his bond given for the faithful performance of this agreement.

Contract dated: 3-1-12

For: QUENTIN ROAD from Illinois Avenue to Northwest Highway. Township of Palatine. Section: 11-V6244-02-RS. Route V62.

In Witness Whereof, the said County has caused this agreement to be signed by its President of The Board of County Commissioners of Cook County, its Purchasing Agent and its County Clerk, and the said Contractor_____ has_____executed and sealed the same, all on the day and year first above written.

THE COUNTY OF COOK

By Toni Preckwinkle
President of the Board of County Commissioners of the County of Cook

Maria de Lourdes Coss
Purchasing Agent

Tabet Reinhold
Comptroller of Cook County

ATTEST:

Its' Secretary

Alamp Concrete Contractors, Inc. (Seal)
Principal

By Adele Lampignano
Its' President

TOTAL AMOUNT OF CONTRACT: $ 3,782,575.50-
(DOLLARS AND CENTS)

FUND CHARGEABLE: 600-600

APPROVED AS TO SPECIFICATION:

John Yeoman
COUNTY SUPERINTENDENT OF HIGHWAYS

APPROVED AS TO FORM:

Karen J. Moller
ASSISTANT STATE'S ATTORNEY

HERE

EXECUTION BY A CORPORATION

The undersigned acknowledges receipt of a full set of Contract Documents for Contract and Addenda Numbers 1,2 (None unless indicated here). The undersigned makes the foregoing Bid Proposal subject to all of the terms and conditions of the Contract Documents. The undersigned certifies that all of the foregoing statements of the Contractor Certifications are true and correct. The undersigned warrants that all of the facts and information submitted by the undersigned in connection with this Bid Proposal are true and correct. Upon award and execution of the Contract by the Cook County Board of Commissioners, the undersigned agrees that execution of this Bid Proposal shall stand as the undersigned's execution of this Contract.

BUSINESS NAME: Alamp Concrete Contractors, Inc.

BUSINESS ADDRESS: 1900 Wright Blvd., Schaumburg IL 60193

BUSINESS TELEPHONE: 847-891-6000 FAX NUMBER: 847-891-6100

CONTACT PERSON: Jeff Moyer

FEIN: 36-3929173 *IL CORPORATE FILE NUMBER: 5765-276-4

** COMPLETE LIST OF REAL ESTATE OWNED IN COOK COUNTY

PERMANENT INDEX NUMBER(S): None

IF NOT APPLICABLE, YOU MUST INDICATE THAT IT IS NOT APPLICABLE
(ATTACH SHEET IF NECESSARY TO LIST ADDITIONAL INDEX NUMBERS).

LIST ALL CORPORATE OFFICERS:

PRESIDENT: Adele Lampignano VICE PRESIDENT: Joseph Lampignano

SECRETARY: Joseph Lampignano TREASURER: Joseph Lampignano

***SIGNATURE OF PRESIDENT: X Adele Lampignano

ATTEST: X _____ (CORPORATE SECRETARY)

Subscribed and Sworn to

before me this 13th day of December, 2011

My commission expires: 5-15-12

X _____
Notary Public Signature

Notary Seal OFFICIAL SEAL NICOLE A. ENGELMANN NOTARY PUBLIC, STATE OF ILLINOIS MY COMMISSION EXPIRES 05-15-2012

If the corporation is not registered in the State of Illinois, a current certificate of good standing is required from the state where the corporation is registered.

** REQUIRED PER COOK COUNTY ORDINANCE CHAPTER 10, SECTION 10-6.1.

*** In the event that this Proposal is executed by someone other than the President and Secretary, attach hereto a certified copy of the corporate by-laws or other authorization by the corporation which authorizes such persons to execute this Proposal on behalf of the corporation.

N-A

EXECUTION BY A PARTNERSHIP (AND/OR A JOINT VENTURE)

The undersigned acknowledges receipt of a full set of Contract Documents for Contract and Addenda Numbers_____ (None unless indicated here). The undersigned makes the foregoing Bid Proposal subject to all of the terms and conditions of the Contract Documents. The undersigned certifies that all of the foregoing statements of the Contractor Certifications are true and correct. The undersigned warrants that all of the facts and information submitted by the undersigned in connection with this Bid Proposal are true and correct. Upon award and execution of the Contract by the Cook County Board of Commissioners, the undersigned agrees that execution of this Bid Proposal shall stand as the undersigned's execution of this Contract.

FIRM # 1/ MANAGING PARTY:_____

FIRM # 1/ MANAGING PARTY BUSINESS ADDRESS:_____

FIRM # 1/ MANAGING PARTY BUSINESS TELEPHONE:_____ FAX NUMBER:_____

FIRM # 1/ MANAGING PARTY CONTACT PERSON:_____ FEIN/SSN #:_____

FIRM # 2 BUSINESS NAME:_____

FIRM # 2 BUSINESS ADDRESS:_____

FIRM # 2 BUSINESS TELEPHONE:_____ FAX NUMBER:_____

FIRM # 2 CONTACT PERSON:_____ FEIN/SSN #:_____

*COMPLETE LIST OF REAL ESTATE OWNED IN COOK COUNTY:

PERMANENT INDEX NUMBERS(S): FIRM # 1/MANAGING PARTY:_____
FIRM # 1/MANAGING PARTY:_____
FIRM # 1/MANAGING PARTY:_____
FIRM # 2:_____
FIRM # 2:_____

IF NOT APPLICABLE, YOU MUST INDICATE THAT IT IS NOT APPLICABLE
(ATTACH SHEET IF NECESSARY TO LIST ADDITIONAL INDEX NUMBERS)

**COOK COUNTY BUSINESS REGISTRATION NUMBER:_____

SIGNATURE OF PARTNER AUTHORIZED TO EXECUTE
CONTRACTS ON BEHALF OF PARTNERSHIP:

*** BY: X_____ Date:_____

Subscribed and Sworn to

Before me this _____ day of _____, 20_____

My commission expires:

X_____ _____
Notary Public Signature Notary Seal

* REQUIRED PER COOK COUNTY ORDINANCE CHAPTER 10, SECTION 10-6.1.

** If you are operating under an assumed name, provide the Cook County Registration Number hereunder as provided by Illinois Compiled Statutes, 805 ILCS 405/1.

*** Attach hereto a partnership resolution or other document authorizing execution of this Proposal on behalf of the Partnership.

EXECUTION BY A SOLE PROPRIETOR

N-A

The undersigned acknowledges receipt of a full set of Contract Documents for Contract and Addenda Numbers_____(None unless indicated here). The undersigned makes the foregoing Bid Proposal subject to all of the terms and conditions of the Contract Documents. The undersigned certifies that all of the foregoing statements of the Contractor Certifications are true and correct. The undersigned warrants that all of the facts and information submitted by the undersigned in connection with this Bid Proposal are true and correct. Upon award and execution of the Contract by the Cook County Board of Commissioners, the undersigned agrees that execution of this Bid Proposal shall stand as the undersigned's execution of this Contract.

BUSINESS NAME:_____

BUSINESS ADDRESS:_____

_____

BUSINESS TELEPHONE:_____FAX NUMBER:_____

CONTACT PERSON:_____FEIN/SSN:_____

*COMPLETE LIST OF REAL ESTATE OWNED IN COOK COUNTY:

PERMANENT INDEX NUMBERS(S): _____
_____
_____

IF NOT APPLICABLE, YOU MUST INDICATE THAT IT IS NOT APPLICABLE
(ATTACH SHEET IF NECESSARY TO LIST ADDITIONAL INDEX NUMBERS).

**COOK COUNTY BUSINESS REGISTRATION NUMBER:_____

SOLE PROPRIETOR'S SIGNATURE: X_____

Date:_____

Subscribed and Sworn to

before me this _____day of _____, 20___

My commission expires:

X_____
Notary Public Signature

_____
Notary Seal

* REQUIRED PER COOK COUNTY ORDINANCE CHAPTER 10, SECTION 10-6.1.

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE 12/14/2011

PRODUCER
TIM M OHM (03720)
245 S GARY AVE
CAROL STREAM, IL 60188-0000
630-668-4518 FAX: 630-668-1395

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED 2971527
A LAMP CONCRETE
1900 WRIGHT BLVD
SCHAUMBURG, IL 60193

INSURERS AFFORDING COVERAGE		NAIC #
INSURER A:	COUNTRY Mutual Insurance Company	20990
INSURER B:		
INSURER C:		
INSURER D:		
INSURER E:		

COVERAGES

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. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS	
A	☑	GENERAL LIABILITY ☑ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS MADE ☑ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☑ POLICY ☐ PRO-JECT ☐ LOC	AB2206031	2/5/2011	2/5/2012	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurence) 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 ☐ ANY AUTO ☑ ALL OWNED AUTOS ☐ SCHEDULED AUTOS ☑ HIRED AUTOS ☑ NON-OWNED AUTOS	AV2206031	2/5/2011	2/5/2012	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$1,000,000
	☐	GARAGE LIABILITY ☐ ANY AUTO				AUTO ONLY - EA ACCIDENT OTHER THAN AUTO ONLY: EA ACC AGG	
A	☑	EXCESS/UMBRELLA LIABILITY ☑ OCCUR ☐ CLAIMS MADE ☐ DEDUCTIBLE ☑ RETENTION $ $10,000	AU2206031	2/5/2011	2/5/2012	EACH OCCURRENCE AGGREGATE	$5,000,000 $5,000,000
A		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ No If yes, describe under SPECIAL PROVISIONS below ☑ Yes	AW2206031	2/5/2011	2/5/2012	☑ 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
		OTHER					

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

JOB NAME:
QUENTIN ROAD – ILLINOIS AVE TO NORTHWEST HIGHWAY
SECTION 11-V6244-02-RS
ROUTE V62
(CONTINUED)

CERTIFICATE HOLDER

COOK COUNTY HIGHWAY DEPARTMENT
69 W. WASHINGTON ST.
CHICAGO, IL 60602

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE Douglas M Bass

© ACORD CORPORATION 1988

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE 12/14/2011

PRODUCER
TIM M OHM (03720)
245 S GARY AVE
CAROL STREAM, IL 60188-0000
630-668-4518 FAX: 630-668-1395

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INSURED 2971527
A LAMP CONCRETE
1900 WRIGHT BLVD
SCHAUMBURG, IL 60193

INSURERS AFFORDING COVERAGE	NAIC #
INSURER A: COUNTRY Mutual Insurance Company	20990
INSURER B:	
INSURER C:	
INSURER D:	
INSURER E:	

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

(JOB NAME CONTINUED)

WAIVERS:
THE INSURANCE AFFORDED BY THIS POLICY FOR THE ADDITIONAL INSURED(S) IS PRIMARY INSURANCE AND ANY OTHER INSURANCE MAINTAINED BY OR AVAILABLE TO THE ADDITIONAL INSURED(S) IS NON-CONTRIBUTORY.

ADDITIONAL INSURED(S):
UNION PACIFIC RAILROAD

COOK COUNTY HIGHWAY DEPARTMENT

VILLAGE OF PALATINE

WORKERS COMPENSATION EXCLUSIONS:
PROPRIETOR, PARTNER(S), EXECUTIVE OFFICER(S), MEMBERS(S) IS/ARE EXCLUDED ON WORKERS COMPENSATION BY ENDORSEMENT.

CERTIFICATE HOLDER

COOK COUNTY HIGHWAY DEPARTMENT
69 W. WASHINGTON ST.
CHICAGO, IL 60602

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE Douglas M Boss

© ACORD CORPORATION 1988

IMPORTANT

If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

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).

DISCLAIMER

The Certificate of Insurance on the reverse side of this form does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE 12/15/2011

PRODUCER
TIM M OHM (03720)
245 S GARY AVE
CAROL STREAM, IL 60188-0000
630-668-4518 FAX: 630-668-1395

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INSURED 2971527
COUNTY OF COOK / 69 W WASHINGTON ST
CHICAGO, IL 60602

INSURERS AFFORDING COVERAGE		NAIC #
INSURER A:	COUNTRY Mutual Insurance Company	20990
INSURER B:		
INSURER C:		
INSURER D:		
INSURER E:		

COVERAGES

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. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS	
A	☐	GENERAL LIABILITY ☐ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS MADE ☑ OCCUR ☑ CONTRACTOR'S PROTECTIVE LIABILITY ☐ GEN'L AGGREGATE LIMIT APPLIES PER: ☑ POLICY ☐ PRO-JECT ☐ LOC	PEND-AB0039233	12/15/2011	12/15/2012	EACH OCCURRENCE	$2,000,000
						DAMAGE TO RENTED PREMISES (Ea occurence)	$100,000
						MED EXP (Any one person)	$5,000
						PERSONAL & ADV INJURY	$2,000,000
						GENERAL AGGREGATE	$2,000,000
						PRODUCTS - COMP/OP AGG	$2,000,000
	☐	AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ☐ NON-OWNED AUTOS				COMBINED SINGLE LIMIT (Ea accident)	
						BODILY INJURY (Per person)	
						BODILY INJURY (Per accident)	
						PROPERTY DAMAGE (Per accident)	
	☐	GARAGE LIABILITY ☐ ANY AUTO				AUTO ONLY - EA ACCIDENT	
						OTHER THAN AUTO ONLY: EA ACC	
						AGG	
	☐	EXCESS/UMBRELLA LIABILITY ☐ OCCUR ☐ CLAIMS MADE ☐ DEDUCTIBLE ☐ RETENTION $				EACH OCCURRENCE	
						AGGREGATE	
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ No If yes, describe under SPECIAL PROVISIONS below ☐ Yes				☐ WC STATU-TORY LIMITS ☐ OTH-ER	
						E.L. EACH ACCIDENT	
						E.L. DISEASE - EA EMPLOYEE	
						E.L. DISEASE - POLICY LIMIT	
		OTHER					

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

JOB NAME:
QUENTIN RD
SEC 11-V6244-02-RS

CERTIFICATE HOLDER

COOK COUNTY HIGHWAY DEPARTMENT
69 W. WASHINGTON ST.
CHICAGO, IL 60602

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE Douglas M Bosa

© ACORD CORPORATION 1988

IMPORTANT

If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

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).

DISCLAIMER

The Certificate of Insurance on the reverse side of this form does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE 12/15/2011

PRODUCER
TIM M OHM (03720)
245 S GARY AVE
CAROL STREAM, IL 60188-0000
630-668-4518 FAX: 630-668-1395

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

INSURED 2971527
UNION PACIFIC RAILROAD / INC
% ALAMP CONCRETE
1900 WRIGHT BLVD
SCHAUMBURG, IL 60193

INSURERS AFFORDING COVERAGE		NAIC #
INSURER A:	COUNTRY Mutual Insurance Company	20990
INSURER B:		
INSURER C:		
INSURER D:		
INSURER E:		

COVERAGES

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. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	ADD'L INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YYYY)	POLICY EXPIRATION DATE (MM/DD/YYYY)	LIMITS	
A	☐	GENERAL LIABILITY ☐ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS MADE ☑ OCCUR ☑ RAILROAD PROTECTIVE ☐ GEN'L AGGREGATE LIMIT APPLIES PER: ☑ POLICY ☐ PRO-JECT ☐ LOC	AB9038030	8/18/2011	8/18/2012	EACH OCCURRENCE	$2,000,000
						DAMAGE TO RENTED PREMISES (Ea occurence)	$0
						MED EXP (Any one person)	$0
						PERSONAL & ADV INJURY	$0
						GENERAL AGGREGATE	$6,000,000
						PRODUCTS - COMP/OP AGG	$0
	☐	AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ ALL OWNED AUTOS ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ☐ NON-OWNED AUTOS				COMBINED SINGLE LIMIT (Ea accident)	
						BODILY INJURY (Per person)	
						BODILY INJURY (Per accident)	
						PROPERTY DAMAGE (Per accident)	
	☐	GARAGE LIABILITY ☐ ANY AUTO				AUTO ONLY - EA ACCIDENT	
						OTHER THAN AUTO ONLY: EA ACC	
						AGG	
	☐	EXCESS/UMBRELLA LIABILITY ☐ OCCUR ☐ CLAIMS MADE ☐ DEDUCTIBLE ☐ RETENTION $				EACH OCCURRENCE	
						AGGREGATE	
		WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ No If yes, describe under SPECIAL PROVISIONS below ☐ Yes				☐ WC STATU-TORY LIMITS ☐ OTH-ER	
						E.L. EACH ACCIDENT	
						E.L. DISEASE - EA EMPLOYEE	
						E.L. DISEASE - POLICY LIMIT	
		OTHER					

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

JOB NAME:
QUENTIN ROAD
SEC 11-V6244-02-RS
RT V62

OK to

CERTIFICATE HOLDER

UNION PACIFIC
1400 DOUGLAS STREET
STOP 1690
OMAHA, NE 68179-1690

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE Douglas M Bosa

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IMPORTANT

If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

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).

DISCLAIMER

The Certificate of Insurance on the reverse side of this form does not constitute a contract between the issuing insurer(s), authorized representative or producer, and the certificate holder, nor does it affirmatively or negatively amend, extend or alter the coverage afforded by the policies listed thereon.

Project: QUENTIN ROAD
ILLINOIS AVENUE TO NORTHWEST HIGHWAY
Section No.: 11-V6244-02-RS

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
1	21,115	FOOT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	$ 19.00	$ 401,185.00
2	21,420	FOOT	COMBINATION CURB AND GUTTER REMOVAL	$ 3.75	$ 80,325.00
3	1,673	SQ.YD.	CLASS C PATCHES, TYPE I, 10 IN	$ 90.00	$ 150,570.00
4	6,692	SQ.YD.	CLASS C PATCHES, TYPE II, 10 IN	$ 74.00	$ 495,208.00
5	6,692	SQ.YD.	CLASS C PATCHES, TYPE III, 10 IN	$ 72.00	$ 481,824.00
6	1,673	SQ.YD.	CLASS C PATCHES, TYPE IV, 10 IN	$ 70.00	$ 117,110.00
7	4,700	SQ.YD.	SUBBASE GRANULAR MATERIAL, TYPE B, 6 IN	$ 5.00	$ 23,500.00
8	49,150	SQ.FT.	MEDIAN REMOVAL PARTIAL DEPTH	$ 0.80	$ 39,320.00
9	1,120	CU.YD.	EARTH EXCAVATION	$ 28.00	$ 31,360.00
10	200	SQ.YD.	P.C. CONCRETE BASE COURSE, 10 IN	$ 40.00	$ 8,000.00
11	300	SQ.YD.	P.C. CONCRETE DRIVEWAY PAVEMENT, 8 IN	$ 38.50	$ 11,550.00
12	9,270	TON	POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, MIX "E", IL-12.5 OR 9.5, N90	$ 86.50	$ 801,855.00
13	3,090	TON	POLYMERIZED LEVELING BINDER, (MACHINE METHOD), IL-4.75, N50	$ 103.00	$ 318,270.00
14	6,429	GALLON	BITUMINOUS MATERIAL (PRIME COAT)	$ 2.00	$ 12,858.00
15	129	TON	AGGREGATE PRIME COAT	$ 1.00	$ 129.00
16	2,346	SQ.YD.	PROTECTIVE COAT	$ 1.00	$ 2,346.00
17	25	SQ.YD.	AGGREGATE BASE COURSE, TYPE B, 4 IN	$ 4.00	$ 100.00
18	25	SQ.YD.	AGGREGATE BASE COURSE, TYPE B, 8 IN	$ 8.00	$ 200.00
19	60	SQ.YD.	AGGREGATE BASE COURSE, TYPE B, 10 IN	$ 10.00	$ 600.00
20	1,673	SQ.YD.	PAVEMENT FABRIC	$ 9.00	$ 15,057.00
21	200	SQ.FT.	P.C. CONCRETE SIDEWALK, 5 IN	$ 4.00	$ 800.00
22	200	SQ.FT.	SIDEWALK REMOVAL	$ 2.00	$ 400.00
23	25	SQ.FT.	DETECTABLE WARNINGS	$ 25.00	$ 625.00
24	10,000	FOOT	CRACK AND JOINT ROUTING AND SEALING	$ 2.00	$ 20,000.00
25	9,400	SQ.YD.	SODDING, SALT TOLERANT	$ 4.00	$ 37,600.00
26	9,400	SQ.YD.	TOPSOIL FURNISH AND PLACE, 4 IN	$ 2.00	$ 18,800.00
27	120	POUND	POTASSIUM FERTILIZER NUTRIENT	$ 1.00	$ 120.00
28	120	POUND	NITROGEN FERTILIZER NUTRIENT	$ 1.00	$ 120.00
29	120	POUND	PHOSPOROUS FERTILIZER NUTRIENT	$ 1.00	$ 120.00
30	28	UNIT	SUPPLEMENTAL WATERING	$ 1.00	$ 28.00

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
31	8	CAL. MO.	ENGINEER'S FIELD OFFICE, TYPE A	$ 1,900.00	$ 15,200.00
32	75,000	UNIT	CONTRACT EXTRA WORK	$ 1.00	$ 75,000.00
33	1	LUMP SUM	RAILROAD PROTECTIVE LIABILITY INSURANCE	$ 6,500.00	$ 6,500.00
34	1	LUMP SUM	TRAFFIC PROTECTION	$ 187,500.00	$ 187,500.00
35	5	EACH	FRAMES AND GRATES, TYPE 23V	$ 300.00	$ 1,500.00
36	5	EACH	FRAMES AND GRATES. TYPE 24V	$ 350.00	$ 1,750.00
37	5	EACH	FRAMES AND LIDS, TYPE I (CLOSED)	$ 300.00	$ 1,500.00
38	5	EACH	FRAMES AND LIDS, TYPE I (OPEN)	$ 300.00	$ 1,500.00
39	5	EACH	LIDS, TYPE I (CLOSED)	$ 200.00	$ 1,000.00
40	5	EACH	LIDS, TYPE I (OPEN)	$ 200.00	$ 1,000.00
41	5	EACH	GRATES, TYPE 23V	$ 200.00	$ 1,000.00
42	5	EACH	GRATES, TYPE 24V	$ 250.00	$ 1,250.00
43	2	EACH	GRATES, TYPE 8	$ 200.00	$ 400.00
44	4,000	SQ.YD.	EROSION CONTROL BLANKET	$ 0.01	$ 40.00
45	200	FOOT	GRADING AND SHAPING DITCHES	$ 8.00	$ 1,600.00
46	220	EACH	INLET FILTER	$ 5.00	$ 1,100.00
47	10	EACH	INLET FILTER CLEANING	$ 1.00	$ 10.00
48	3	EACH	INLETS TO BE ADJUSTED WITH NEW FRAME AND GRATE, TYPE 23V	$ 500.00	$ 1,500.00
49	2	EACH	INLETS TO BE ADJUSTED WITH NEW FRAME AND GRATE, TYPE 24V	$ 600.00	$ 1,200.00
50	26	EACH	MANHOLES TO BE ADJUSTED	$ 275.00	$ 7,150.00
51	4	EACH	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	$ 500.00	$ 2,000.00
52	5	EACH	SANITARY MANHOLES TO ADJUSTED	$ 500.00	$ 2,500.00
53	8	EACH	VALVE VAULTS TO BE ADJUSTED	$ 250.00	$ 2,000.00
54	53	EACH	CATCH BASINS TO BE ADJUSTED	$ 250.00	$ 13,250.00
55	3	EACH	CATCH BASINS TO BE ADJUSTED WITH NEW FRAME AND GRATE, TYPE 23V	$ 450.00	$ 1,350.00
56	120	EACH	CATCH BASINS TO BE ADJUSTED WITH NEW FRAME AND GRATE, TYPE 24V	$ 500.00	$ 60,000.00
57	300	SQ.YD.	PAVEMENT REPLACEMENT	$ 20.00	$ 6,000.00
58	100	FOOT	CLEANING EXISTING PIPE CULVERTS, 24 IN	$ 15.00	$ 1,500.00
59	90	FOOT	CLEANING EXISTING PIPE CULVERTS, 30 IN	$ 15.00	$ 1,350.00
60	1	EACH	FILLING EXISTING CATCH BASINS	$ 350.00	$ 350.00

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
61	1	EACH	FIRE HYDRANTS VERTICAL ADJUSTMENT (24 IN OR LESS)	$ 850.00	$ 850.00
62	50	FOOT	EXPLORATION TRENCH (52 IN DEPTH)	$ 1.00	$ 50.00
63	2	EACH	CATCH BASINS, TYPE A2, 4 FT. DIA. WITH FRAMES AND GRATES, TYPE 24V	$ 2,250.00	$ 4,500.00
64	100	FOOT	STORM SEWERS, TYPE I (RCCP CLASS IV) 12 IN	$ 50.00	$ 5,000.00
65	10	CU.YD.	TRENCH BACKFILL	$ 45.00	$ 450.00
66	1	EACH	FULL ACTUATED CONTROLLER, AND TYPE V CABINET	$ 15,000.00	$ 15,000.00
67	2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	$ 1,550.00	$ 3,100.00
68	2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	$ 1,435.00	$ 2,870.00
69	13	EACH	RELOCATE EXISTING SIGNAL HEAD	$ 300.00	$ 3,900.00
70	2	EACH	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	$ 300.00	$ 600.00
71	2	EACH	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	$ 150.00	$ 300.00
72	2	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	$ 125.00	$ 250.00
73	5	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT	$ 1,275.00	$ 6,375.00
74	2	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT	$ 7,275.00	$ 14,550.00
75	1	EACH	SERVICE INSTALLATION, POLE MOUNTED	$ 1,125.00	$ 1,125.00
76	1	EACH	HANDHOLE	$ 1,150.00	$ 1,150.00
77	2	EACH	HEAVY-DUTY HANDHOLE	$ 1,600.00	$ 3,200.00
78	11	EACH	INDUCTIVE LOOP DETECTOR	$ 225.00	$ 2,475.00
79	27	FOOT	CONCRETE FOUNDATION, TYPE E - 30 IN DIA	$ 180.00	$ 4,860.00
80	2,150	FOOT	DETECTOR LOOP, TYPE I	$ 15.25	$ 32,787.50
81	140	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO 6 2C	$ 6.25	$ 875.00
82	210	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 2C	$ 1.20	$ 252.00
83	290	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 3C	$ 1.20	$ 348.00
84	610	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 5C	$ 1.20	$ 732.00
85	620	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 7C	$ 1.20	$ 744.00
86	250	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO 14 1 PAIR	$ 1.20	$ 300.00
87	510	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING NO 6 1C (GREEN)	$ 1.20	$ 612.00
88	70	FOOT	ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	$ 1.20	$ 84.00
89	30	FOOT	CONDUIT IN TRENCH, 2 1/2 IN DIA, GALVANIZED STEEL	$ 14.50	$ 435.00
90	70	FOOT	CONDUIT PUSHED, 2 IN DIA, GALVANIZED STEEL	$ 17.50	$ 1,225.00

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
91	30	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK	$ 4.00	$ 120.00
92	1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	$ 450.00	$ 450.00
93	1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	$ 150.00	$ 150.00
94	1	EACH	UNINTERRUPTIBLE POWER SUPPLY	$ 8,950.00	$ 8,950.00
95	4	EACH	DRILL EXISTING HANDHOLE	$ 275.00	$ 1,100.00
96	6	EACH	GROUNDING EXISTING HANDHOLE FRAME AND COVER	$ 225.00	$ 1,350.00
97	4	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	$ 850.00	$ 3,400.00
98	20	EACH	REBUILD EXISTING HANDHOLE	$ 750.00	$ 15,000.00
99	9	EACH	REBUILD EXISTING HEAVY-DUTY HANDHOLE	$ 895.00	$ 8,055.00
100	6	EACH	REBUILD EXISTING DOUBLE HANDHOLE	$ 1,125.00	$ 6,750.00
101	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	$ 1,200.00	$ 1,200.00
102	2	EACH	REMOVE EXISTING CONCRETE FOUNDATION	$ 275.00	$ 550.00
103	1,200	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT	$ 0.50	$ 600.00
104	1	EACH	REMOVE EXISTING HANDHOLE	$ 275.00	$ 275.00
105	34,000	FOOT	PAVEMENT MARKING TAPE, TYPE III, LINE 4 IN	$ 0.05	$ 1,700.00
106	27,300	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 4 IN	$ 0.50	$ 13,650.00
107	3,700	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 6 IN	$ 0.70	$ 2,590.00
108	900	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 8 IN	$ 1.00	$ 900.00
109	3,100	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 12 IN	$ 1.40	$ 4,340.00
110	700	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 24 IN	$ 3.00	$ 2,100.00
111	1,900	SQ.FT.	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	$ 8.00	$ 15,200.00
112	290	EACH	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	$ 15.00	$ 4,350.00
113	290	EACH	RAISED REFLECTIVE PAVEMENT MARKER	$ 25.00	$ 7,250.00
114	260	SQ.FT.	SIGN PANEL, TYPE 1	$ 17.00	$ 4,420.00
115	590	FOOT	METAL POST, TYPE B	$ 8.00	$ 4,720.00
116	16	CAL. MO.	CHANGEABLE MESSAGE SIGN	$ 500.00	$ 8,000.00
117	500	SQ.YD.	CLASS B PATCHES, TYPE II, 10 IN	$ 85.00	$ 42,500.00
118	12,500	FOOT	CRACK ROUTING AND SEALING	$ 1.35	$ 16,875.00
119	2	EACH	SURVEY MONUMENT	$ 2,000.00	$ 4,000.00
120	1	EACH	CONSTRUCTING TEST STRIP	$ 1.00	$ 1.00

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
121	36	TON	MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS	$ 450.00	$ 16,200.00
122	300	SQ.YD.	HOT-MIX ASPHALT DRIVEWAY SURFACE REMOVAL	$ 10.00	$ 3,000.00
123	9	TON	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", IL-12.5 OR 9.5, N50	$ 250.00	$ 2,250.00
124	300	SQ.YD.	DRIVEWAY PAVEMENT REMOVAL	$ 10.00	$ 3,000.00
125	300	FOOT	CUTTING HOT MIX ASPHALT SURFACE	$ 2.00	$ 600.00
				TOTAL	$ 3,782,575.50