



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

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

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

**Toni Preckwinkle**  
Cook County Board President

**Shannon E. Andrews**  
Chief Procurement Officer

**Letting: January 11, 2017**

**ROSELLE ROAD at SCHAUMBURG ROAD**  
Section: 14-V6039-02-TL  
Route: V60  
Township: Schaumburg  
**COOK COUNTY PROCUREMENT CONTRACT NO.: 1685-15811**  
PURCHASE ORDER #70000014902

**NOTICE TO PROSPECTIVE BIDDERS**  
**Submit 1 Original and 2 Copies of Proposal**  
The Specifications can be downloaded at <http://legacy.purchasing/public/index.php> (follow online instructions to register, if you have not already). When the plans are not included in the bid document, you must download the Plans (Drawings) at <http://highwayftp.cookcountyil.gov> (user name: highwaypublic; password: fpt3st)  
**Pre-Bid Meeting: Tuesday, December 13, 2016**  
**11:30 a.m.**  
Cook County Department of Transportation and Highways  
69 W. Washington Street, Suite 2260  
Chicago, Illinois 60602  
All questions are due on **Thursday, December 15, 2016** no later than 3:00pm Chicago time  
Send all questions via e-mails to: [lillian.lee@cookcountyil.gov](mailto:lillian.lee@cookcountyil.gov)

Bid Submitted by:  Bid Bond is included  A Cashier's Check or a Certified Check is Included

Name A Lamp Concrete Contractors, Inc. Phone No. 847-891-6000  
Email Address: jmoyer@alamconcrete.com  
Address 1900 Wright Boulevard  
City Schaumburg State Illinois Zip Code 60193

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6	*0 02	Notice Sheet	(IL-CC) Jan. 15, 2013
7		Special Provision Checklist	(CC) December 3, 2014
17	401	IDOT Recurring Special Provision Checklist	(IL) January 1, 2015
18	402	IDOT Local Roads and Streets Recurring Special Provisions Checklist	(IL LR) January 1, 2015
19	403	IDOT Bureau of Design and Environment Checklist	(IL BDE) January 16, 2015
22	404	IDOT Bureau of Local Roads and Streets District 1 Checklist	(IL D-1) October 7, 2014
31	1a	MBE WBE Definition of Terms, Information for Bidders	(CC) May 12, 2016
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90	23	Contract Claims	(IL-CC) Jan. 15, 2013
91	24	Pre-Construction Conference	(CC) Mar. 18, 1980
92	25	Mobilization	(CC) Oct. 20, 2009
93	26	Contract Extra Work	(CC) Dec. 24, 2012
94	27	Construction Air Quality Diesel Vehicle Emissions Control (Green Construction Ordinance)	(CC) Jan. 15, 2013
102	28	Processing of Extra Work Payment Requests	(CC) Dec. 24, 2012
103	29	Construction Layout Stakes and Survey Control Points	(CC) Jan. 15, 2013
106	31	Engineer's Field Office	(CC) Jan. 15, 2013
110	32	Construction Debris	(CC) July 1, 2006
111	33	*Clean Construction and Demolition Debris	(CC) Jan. 15, 2013
185	46	Managing Concrete Waste	(CC) Jan. 1, 2009
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190	50	Dowel Bars	(CC) Jan. 1, 2008
191	60	Soils Information	(CC) Jan. 15, 2013
192	63	Crushed Stone (Temporary Use)	(CC) Jan. 1, 2008
193	64	Aggregate Subgrade, (12 INCH)	(IL) Current
195	69	P.C.C. Surface Finish	(CC) April 7, 2010
196	179	Bracing and Sheeting	(CC) Dec. 1, 2007
197	185	Cooperation With Utilities	(CC) Feb. 10, 2012
199	185a	Status of Utilities to be Adjusted	(CC) Current

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204	230	Sign Identification Decal	(CC) Jan. 15, 2013
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211	236	Project Signs Plaque	(CC) Jan. 15, 2013
212	237	Eradication of Existing Pavement Marking	(CC) Dec. 1, 2009
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233	246	Traffic Signal Backplate	(ILD1CC) July 1, 2016
234	248	Traffic Signal Post, Pedestrian Pushbutton Post	(ILD1CC) July 1, 2016
236	249	Steel Mast Arm Assembly and Pole and/or Steel Combination Mast Arm Assembly and Pole	(ILD1CC) July 1, 2016
238	250	Traffic Actuated Controller, Traffic Actuated Controller with Cabinet, Inductive Loop Detector	(ILD1CC) July 1, 2016
241	254	Pedestrian Pushbutton	(ILD1CC) July 1, 2016
242	255	Conduit	(IL-CC) July 1, 2016
243	258	Electric Cable	(ILD1CC) July 1, 2016
244	260	Fiber Optic Cable	(ILD1CC) July 1, 2016
245	261	System Ground and Grounding Cable	(ILD1CC) July 1, 2016
247	266	Handhole	(ILD1CC) July 1, 2016
248	268	Concrete Foundation	(ILD1CC) July 1, 2016
249	270	Remove Existing Traffic Signal Equipment	(ILD1CC) July 1, 2016
250	271	Temporary Traffic Signal Installation	(ILD1CC) July 1, 2016
257	272	Maintenance of Existing Traffic Signal Installation	(ILD1CC) July 1, 2016
261	273	Emergency Vehicle Priority System	(ILD1CC) July 1, 2016
262	277	Re-Optimize Traffic Signal System	(ILD1CC) July 1, 2016
265	286	Temporary Traffic Signal Timings	(ILD1CC) July 1, 2016
266	288	Illuminated Street Name Sign	(ILD1CC) July 1, 2016
270	293	Uninterruptible Power Supply Without Cabinet	(CC) July 1, 2016
273	298	Emergency Vehicle Priority System Line Sensor Cable, No. 20 3/C	(ILD1CC) July 1, 2016
274	302	Radar Vehicle Detection System	(ILD1CC) July 1, 2016
275	308	Traffic Signal Painting	(ILD1CC) July 1, 2016
276	405	Quality Control/Quality Assurance of Concrete Mixtures	(IL) January 1, 2015
292	406	Coarse Aggregate Quality	(IL BDE) July 1, 2015
294	407	Concrete Gutter, Curb, Median, and Paved Ditch	(IL BDE) August 1, 2014
295	408	Friction Aggregate	(IL BDE) November 1, 2014
299	409	LRFD Storm Sewer Burial Tables	(IL BDE) April 1, 2015
309	410	Mechanical Side Tie Bar Inserter	(IL BDE) January 1, 2015
311	411	Pavement Patching	(IL BDE) January 1, 2010
312	412	Reinforcement Bars	(IL BDE) November 1, 2013
314	413	Sidewalk, Corner, or Crosswalk Closure	(IL BDE) April 1, 2015
315	414	Maintenance of Roadways	(IL D-1) November 1, 1996
316	415	Coarse Aggregate for Backfill, Trench Backfill and Bedding	(IL D-1) November 1, 2013

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318	417	Exploration Trench, Special	(CC) June 29, 2015
319	418	Porous Granular Embankment, Subgrade	(IDOT) August 1, 2008
321	419	Segmental Block Retaining Wall Removal	(CC) June 29, 2015
322	420	Concrete Paver Sidewalk Removal	(CC) June 29, 2015
323	421	Concrete Paver Sidewalk	(CC) June 29, 2015
325	422	Concrete Pavers (Finish)	(CC) June 29, 2015
326	423	Concrete Header Band	(CC) June 29, 2015
327	424	Fire Hydrants to be Removed	(CC) June 29, 2015
328	425	Fire Hydrants with Auxiliary Valve and Valve Box	(CC) June 29, 2015
331	426	Ductile Iron Water Main	(CC) June 29, 2015
337	427	Non Pressure Connection	(CC) June 29, 2015
338	428	Detectable Warnings	(CC) June 29, 2015
339	429	General Electrical Requirements	(CC) June 29, 2015
353	430	Underground Raceways	(IL-D1) April 1, 2016
354	431	Unit Duct	(IL-D1) March 1, 2015
356	432	Maintenance of Lighting Systems	(IL-D1) January 1, 2012
359	433	Remove Electric Cable from Conduit, Special	(CC) July 25, 2016
360	434	Removal of Lighting Unit, Salvage	(CC) June 29, 2015
361	435	Light Pole Foudnation, 24" Diameter, Offset	(CC) June 29, 2015
362	436	Relocate Existing Lighting Unit, Special	(CC) June 29, 2015
363	437	Light Pole Foundation, Metal, Circular Baseplate, 12" Bolt Circle, 8 5/8" x 6'	(CC) June 29, 2015
364	438	Removal of Pole Foundation	(CC) June 29, 2015
365	439	Remove Existing Handhole	(CC) June 29, 2015
366	440	Temporary Sidewalk	(CC) July 27, 2016
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368	442	Luminaire, Type 1	(CC) August 21, 2015
370	C	Proposal Sheet	(CC) September 13, 2016
371		IDOT Certificate of Eligibility	(CC) Jan. 1, 2008
372		IDOT Certificate of Availability	IDOT
373		Contractor's Certification Concerning Labor Standards and Prevailing Wage Requirements	IDOT
375		Subcontractor's Certification Concerning Labor Standards and Prevailing Wage Requirements	
376		MBE/WBE Utilization Plan	
377		MBE/WBE Letter of Intent	
378		Petition for Reduction/Waiver of MBE/WBE Participation	
379		Identification of Subcontractor/Supplier/Subconsultant Form	
380		Electronic Payables Program ("E" Payables)	(CC) March 2015
381		Affidavit Verteran's Workplace Preference Public Works Contracts	(CC) March 2015
382		Veteran's Preference for VBE and SDVBE Instructions	(CC) March 2015
383		Cook County Economic Disclosure Statement and Execution of Documents	(CC) Dec. 1, 2016
404	F	Surety's Statement Of Qualification for Bonding	(CC) June 2, 2011
405	G1	Trust Agreement	(CC) Jan. 15, 2013
407	H	Performance and Payment of Bond Form	(CC) June 9, 2011
408	I	Contract	(CC) Jan. 15, 2013
411	400	Contract Exhibit A Scheduling	(CC) Current

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412	J	Schedule of Prices Sheets	
421	K	Proposal Bid Bond	(CC) Dec. 28, 2011
422	L	Bid Deposit Form	(CC) Jan. 15, 2013
			(CC) Jan. 15, 2013

## COUNTY OF COOK

CHICAGO, ILLINOIS  
NOTICE*TO CONTRACTORS FOR A COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS IMPROVEMENT*

Notice is hereby given that sealed bids for a Department of Transportation and Highways Improvement in the County of Cook, Illinois, will be received at Room 1018, County Building, and 118 North Clark Street, Chicago, Illinois until 10:00 a.m. Wednesday, January 11, 2017 and then publicly opened and read aloud as described below:

Improvement: Roselle Road At: Schaumburg Road

Township: Schaumburg Route: V60 Section: 14-V6039-02-TL

Cook County Purchasing Contract No.: 1685-15811

## 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.

CH V60 (Roselle Road) at Schaumburg Road

## DESCRIPTION OF IMPROVEMENT

It is the intent of this contract to provide for the construction of a right turn lane along southbound Roselle Road to westbound Schaumburg Road. The 10 foot wide right turn lane will use a 175 foot taper and provide 300 feet of storage. The existing concrete curb and gutter and sidewalk shall be completely removed. The turn lane will be constructed adjacent to the existing pavement and shall be P.C. Concrete Pavement (10 Inch) along with a 12 inch Aggregate Subgrade in order to match the existing pavement. New concrete curb and gutter and sidewalk shall be constructed outside of the turn lane. Also included is the removal and replacement of existing drainage structures, traffic signal modification at Roselle Road and Schaumburg Road, street lighting modifications, pavement markings, signing, pedestrian crossing upgrades, traffic protection and all other work as required to complete the improvement.

## COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS SPECIAL PROVISION CHECKLIST

EFFECTIVE 07/01/2016

Project: Roselle Road  
Limits: at Schaumburg Road  
Section: 14-V6039-02-TL

No.	Description	Origin and Date Last Revised	
	1	Definition of Terms, Information for Bidders	(CC) May 12, 2016
X	1a	MBE WBE Definition of Terms, Information for Bidders	(CC) May 12, 2016
X	2	Bidding Requirements and Conditions For Contract Proposals	(IL-CC) Jan. 1, 2015
X	3	* Pre-Bid Meeting	(CC) Jan. 15, 2013
X	4	* Wages of Employees on Public Works	(IL-CC) Dec. 26, 2013
	4a	Davis Bacon Act (Federal Aid)	(FHWA) Apr. 2009
X	4b	Prevailing Wages for Cook County	Current Month
X	4c	Coalition of Unionized Public Employees (COUPE)	(CC) April 14, 2016
X	5	Alternate Proposal/Ordinance	(CC) Dec. 28, 2011
X	6	Responsible Bidder Requirement (Non-Federal Aid)	(IL-CC) Dec. 28, 2011
	7	FHWA 1273 Required Contract Provisions Federal-Aid Construction Contracts	(FHWA) May 1, 2012
	7a	Additional State Requirements for Federal-Aid Construction Contracts	(IL Recurring) Jan. 1, 2015
	7b	Subletting of Contracts (Federal-Aid Contracts)	(IL Recurring) Jan. 1, 2014
	7c	EEO	(IL Recurring) Nov. 18, 1980
	7d	Substance Abuse Prevention Program	(IL LRS Recurring) Jan. 1, 2014
	8a	* Required Disadvantaged Business Participation (DBE)	(IL-CC) Dec. 5, 2016
X	8b	* MBE/WBE Business Participation	(CC) Dec. 5, 2016
	8c	Weekly DBE Trucking Reports (FA locally let projects)	(IL BDE) April 2, 2015
X	9	Specific Equal Employment Opportunity Responsibilities (Non-Federal Aid)	(IL-CC) Jan. 15, 2013
X	10	Insurance Requirements	(CC) Nov. 13, 2014
	10a	Township Insurance Requirements	(CC) Nov. 13, 2014
	11	* Railroad Protective Liability Insurance	(IL-CC) Dec. 26, 2013
X	12a	Indemnification for Cook County	(CC) Dec. 28, 2011
X	12b	Indemnification (Locals)	(CC) Jan. 23, 2012
X	13	Joint Venture Forms	(CC) Jan. 15, 2013
X	14	Addendum Receipt	(CC) Dec. 28, 2009
	15	Not Used	
X	16	* Combination Bidding Process	(IL-CC) Jan. 15, 2013
	17a	Prompt Pay Mechanisms (Non-Federal Aid)	(CC) Jan. 15, 2013
X	17b	Prompt Pay Mechanisms (Federal Aid)	(FHWA) Current
	18-22	Not Used	
X	23	Contract Claims	(IL-CC) Jan. 15, 2013

No.	Description	Origin and Date Last Revised
X 24	Pre-Construction Conference	
X 25	Mobilization	(CC) Mar. 18, 1980
X 26	Contract Extra Work	(CC) Oct. 20, 2009
X 27	Construction Air Quality Diesel Vehicle Emissions Control (Green Construction Ordinance)	(CC) Dec. 24, 2012
X 28	Processing of Extra Work Payment Requests	(CC) Jan. 15, 2013
X 29	Construction Layout Stakes and Survey Control Points	(CC) Dec. 24, 2012
30	* Municipal Coordination/Transfer of Jurisdiction and/or Maintenance	(CC) Jan. 15, 2013
X 31	Engineer's Field Office	(CC) Jan. 15, 2013
X 32	Construction Debris	(CC) Jan. 15, 2013
X 33	* Clean Construction and Demolition Debris	(CC) July 1, 2006
34-44	Not Used	(CC) Jan. 15, 2013
45	Portland Cement Concrete Pavement	
X 46	Managing Concrete Waste	(CC) July 1, 2012
X 47	Class B Patches, Special	(CC) Jan. 1, 2009
48	Class C Patches, Special	(CC) Jan. 1, 2008
49	Pavement Removal and Replacement (10Inch)	(CC) Jan. 1, 2008
X 50	Dowel Bars	(CC) Jan. 1, 2008
51	Structural Fiber Reinforced P.C. Concrete Bus Pad (4 Inch)	(CC) Jan. 1, 2008
52	P.C.C. Bonded Overlay (4 Inch)	(CC) Jan. 1, 2008
53	Diamond Grinding Concrete Pavement	(CC) Jan. 1, 2007
54	Saw Cutting Concrete Overlay	(CC) Jan. 15, 2013
55	Crack Routing and Sealing	(CC) Jan. 1, 2007
56	Hot-Mix Asphalt Surface Course, Rubber Modified	(IL-CC) Jan. 1, 2008
57	Rubberized Asphalt Material	(CC) Jan. 1, 2008
58	Pavement Thickness Deficiency	(CC) Jan. 1, 2008
59	Survey Monuments	(CC) Mar. 1, 2008
X 60	Soils Information	(CC) Jan. 15, 2013
61	Stockpiled Embankment	(CC) Jan. 15, 2013
62	Borrow Excavation	(CC) July 1, 2012
X 63	Crushed Stone (Temporary Use)	(CC) July 1, 2000
X 64	Aggregate Subgrade, (12 INCH)	(CC) Jan. 1, 2008
65	Expanded Polystyrene Fill	(IL) Current
66	Cellular Concrete Fill	(CC) Jan. 15, 2013
67	GEO-GRID Subgrade Reinforcing Mat	(CC) July 1, 2006
68	Earth Excavation (Special)	(CC) May 1, 2003
X 69	P.C.C. Surface Finish	(CC) Jan. 15, 2013
70	Traffic Barrier Terminal, Type 1, Special	(CC) April 7, 2010
71	Not Used	(IL-CC) May 20, 2016



No.	Description	Origin and Date Last Revised
72	Cutting Hot-Mix Asphalt Surface	
73	Hot-Mix Asphalt Driveway Surface Removal	(CC) Jan. 1, 2008
74	Temporary Butt Joints	(CC) July 1, 2012
75	Hot-Mix Asphalt Stabilized Sub base	(CC) Jan. 1, 2008
76	Hot-In-Place Asphalt Recycling by the Heater Scarifying Overlay Method	(CC) Jan. 1, 2008
77	Treatment of Cracks	(CC) July 1, 2011
78	Strip Reflective Crack Control Treatment, Special	(CC) Jan. 1, 2008
79	Cold Recycled In-Place Bituminous Base Course	(CC) May 1, 2003
80	Temporary By-Pass Pavement (Non-Federal Aid)	(CC) Oct. 1, 2009
81	Temporary By-Pass Pavement (Federal Aid)	(CC) Jan. 1, 2008
82	Reflective Crack Control Treatment	(CC) July 1, 2011
83-116	Not Used	(CC) Jan. 1, 2012
117	Approach Slab Repair	
118	Asbestos Waterproofing Membrane & Asbestos Hot-Mix-Asphalt Surface Removal (BDE)	(IL-CC) Sep. 25, 2009 (IL) Current
119	Not Used	
120	Segmental Concrete Block Walls	
121	Temporary Soil Retention System	(IL) Current
122	Steel Structures	(IL) Current
123	Not Used	(CC) Nov. 21, 2007
124	Cleaning and Painting Existing Steel Structures	
125	Containment and Disposal of Lead Paint Cleaning Residues	(IL) Current
126	Fine or Coarse Aggregate Embankment	(IL) Current
127	Strip Seal Joint Assembly with Elastomeric Concrete Headers	(CC) Jan. 12, 2003
128	Drainage System	(CC) Oct. 3, 2011
129	Grating	(IL) Current
130	Silicone Bridge Joint Sealer	(CC) Jan. 15, 2013
131	Not Used	(IL) Current
132	Deck Slab Repair	
133	Bridge Deck Latex Concrete Overlay	(IL) Current
134	Surface Finish	(IL) Current
135-136	Not Used	(IL-CC) Jan. 1, 2007
137	Welded Wire Fabric, Epoxy Coated	
138	Permanent Steel Sheet Piling	(CC) Nov. 21, 2007
139	Temporary Sheet Piling	(IL) Current
140	Precast Concrete Junction Chambers	(IL) Current
141	Jack and Remove Existing Bearings	(CC) Nov. 1, 2007
142	Jacking Existing Superstructure	(IL) Current (IL) Current

No.	Description	Origin and Date Last Revised
143	Junction Chamber	
144	Neoprene Expansion Joint Removal	(CC) Jan. 1, 2007
145	Structural Repair of Concrete	(CC) Oct. 10, 1995
146	Polymer Modified Portland Cement Mortar	(IL) Current
147	Concrete Wearing Surface for Use With Deck Beams	(IL) Current
148	Sheet Waterproofing Membrane System	(IL) Current
149	Chain Link Fence (Modified)	(CC) Nov. 19, 1999
150-155	Not Used	(CC) Jan. 1, 2004
156	Storm Sewer, (Ductile Iron Pipe) and Storm Sewers, (Extra Strength Vitrified Clay Pipe) in the City of Chicago	(CC) Oct. 20, 2009
157	Water Main for Installation in the City of Chicago	
158	Frames, City Electric in the City of Chicago	(CC) Dec. 21, 2009
159	Lids, City Electric in the City of Chicago	(CC) July 1, 2012
160	Lids and Lids, ADA Compliant in the City of Chicago	(CC) April 14, 2009
161	Various City Drainage and Utility Structure Adjustments in the City of Chicago	(CC) April 14, 2009
162	Storm Sewer Installation in the City of Chicago	(CC) Dec. 21, 2009
163	Boring and Jacking Storm Sewers, Sanitary Sewers or Water Mains	(CC) Dec. 1, 2009
164	Storm Sewers Jacked in Place (Over 36 In. Dia.)	(CC) Dec. 1, 2007
165	Storm Sewer Drilled and Pushed (36 In. Dia. Max.)	(CC) Dec. 21, 2009
166	Storm Sewers, Abandon and Fill	(CC) Dec. 1, 2007
167	Storm Sewer to be Televised	(CC) Jan. 15, 2013
168	Connecting Existing Field Drain Tile	(CC) July 1, 2012
169	Plugging Existing Drains and Sewers	(CC) July 1, 2012
170	Blocking Existing Drains and Sewers	(CC) Dec. 1, 2007
171	Manholes to be Reconstructed, Special; Catch Basins to be Reconstructed, Special; Valve Vaults to be Reconstructed, Special	(CC) Dec. 21, 2009
172	Not Used	(CC) Dec. 1, 2007
173	Manholes, Type A, with Restrictor Plate, Frames and Lids	
174	Not Used	(CC) July 1, 2012
175	Lids and Frames and Lids	
176	Frames and Lids to be Adjusted, Special	(CC) Jan. 15, 2013
177	Headwall Inlet and Grate	(CC) Dec. 21, 2009
178	Flared End Sections to be Removed, Flared End Sections to be Relocated	(CC) July 1, 2012
X 179	Bracing and Sheeting	(CC) Dec. 30, 2008
180	Pavement Replacement	(CC) Dec. 1, 2007
181	Duck Bill Elastomeric Check Valve	(CC) July 1, 2011
182	Catch Basin Oil and Debris Hoods	(CC) July 1, 2012
183	Frames and Lids to be Adjusted, Special (Pavement Recycling)	(CC) Jan. 15, 2013
		(CC) Jan. 1, 2013

No.	Description	Origin and Date Last Revised
184	Not Used	
X 185	* Cooperation With Utilities	
186	Water Valve Boxes to be Adjusted and Domestic Meter Vaults to be Adjusted	(CC) Feb. 10, 2012
X 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. 21, 2009
191	Fire Hydrants Vertical Adjustment	(CC) Dec. 1, 2009
192	Sanitary Sewer Installation	(CC) Dec. 21, 2009
193	Sanitary Manholes	(CC) July 1, 2012
194	Waterproofing of Existing Sanitary Manholes	(CC) Dec. 21, 2009
195-199	Not Used	(CC) July 1, 2012
200	Cleaning Existing Manholes, Catch Basins or Inlets and Cleaning Existing Storm Sewer and Pipe Culverts	(CC) Dec. 1, 2008
201	Not Used	
202	* National Pollutant Discharge Elimination System	(CC) January 1, 2013
203	Not Used	
204	Maintaining Drainage and Stream Protection	(CC) Dec. 1, 2007
205	Storm Water Pollution Separation System	(CC) July 1, 2012
206	Storm Water Pollution Separation System (SPECIAL)	(CC) Dec. 1, 2007
207	Storm Water Pollution Separation System (In-Line)	(CC) July 1, 2012
208-210	Not Used	
211	Seeding	
X 212	Sodding	(CC) Sept. 1, 2002
213	Trees To Be Planted	(CC) Jan. 15, 2013
214	Salvaging and Transplanting Trees; Salvaging and Transplanting Shrubs	(CC) Jan. 1, 2013
215	Planting Woody Plants	(CC) Sept. 1, 2002
216	Seeding, Fine Fescue Blend	(CC) Jan. 1, 1997
217	Seeding, Class 4B Modified	(CC) Jan. 1, 2007
218-226	Not Used	(CC) Jan. 1, 2007
X 227	Work Zone Traffic Control Surveillance	
228	Traffic Control Devices – Detour Routing	(IL) Current
229	Not Used	(CC) July 1, 2012
X 230	Sign Identification Decal	
X 231	Traffic Protection	(CC) Jan. 15, 2013
232-235	Not Used	(CC) July 1, 2012
X 236	Project Signs Plaque	
X 237	Eradication of Existing Pavement Marking	(CC) Jan. 15, 2013
		(CC) Dec. 1, 2009

X 238 Raised Reflective Pavement Marker

(IL-CC) July 1, 2012

Origin and Date  
Last Revised

No. Description

239-240

Not Used

X 241 Traffic Signal Work General

(ILD1CC) July 1, 2016

242 Construction at Railroad Crossing

(CC) July 1, 2016

243

Not Used

X 244 Light Emitting Diode (LED) Traffic Signal

(ILD1CC) July 1, 2016

X 245 Light Emitting Diode (LED) Pedestrian Countdown Signal Head

(ILD1CC) July 1, 2016

X 246 Traffic Signal Backplate

(ILD1CC) July 1, 2016

247 Illuminated Sign, Light Emitting Diode

(ILD1CC) July 1, 2016

X 248 Traffic Signal Post, Pedestrian Pushbutton Post

(ILD1CC) July 1, 2016

X 249 Steel Mast Arm Assembly and Pole and/or Steel Combination Mast Arm Assembly and Pole

(ILD1CC) July 1, 2016

X 250 Traffic Actuated Controller, Traffic Actuated Controller with Cabinet, Inductive Loop Detector

(ILD1CC) July 1, 2016

251 Master Controller

(ILD1CC) July 1, 2016

252 Detector Loop

(ILD1CC) July 1, 2016

253

Not Used

X 254 Pedestrian Pushbutton

(ILD1CC) July 1, 2016

X 255 Conduit

(IL-CC) July 1, 2016

256 Coilable Non-Metallic Conduit

(ILD1CC) July 1, 2016

257

Not used

X 258 Electric Cable

(ILD1CC) July 1, 2016

259 Railroad Interconnect Cable

(ILD1CC) July 1, 2016

X 260 Fiber Optic Cable

(ILD1CC) July 1, 2016

X 261 System Ground and Grounding Cable

(ILD1CC) July 1, 2016

262 Grounding Existing Handhole Frame and Cover

(ILD1) July 1, 2016

263 Service Installation, Pole Mounted

(ILD1CC) July 1, 2016

264 Service Installation, Ground Mounted

(ILD1CC) July 1, 2016

265 \* Electric Service

(CC) July 1, 2016

X 266 Handhole

(ILD1CC) July 1, 2016

267 Rebuild Existing Handhole, Rebuild Existing Heavy Duty Handhole, Rebuild Existing Double Handhole

(CC) July 1, 2016

X 268 Concrete Foundation

(ILD1CC) July 1, 2016

269 Modify Existing Type "D" Foundation

(CC) July 1, 2016

X 270 Remove Existing Traffic Signal Equipment

(ILD1CC) July 1, 2016

X 271 Temporary Traffic Signal Installation

(ILD1CC) July 1, 2016

X 272 Maintenance of Existing Traffic Signal Installation

(ILD1CC) July 1, 2016

X 273 Emergency Vehicle Priority System

(ILD1CC) July 1, 2016

274 Relocate Existing Emergency Vehicle Priority System, Detector Unit

(CC) July 1, 2016

275 Relocate Existing Emergency Vehicle Priority System, Phasing Unit

(CC) July 1, 2016

No.	Description	Origin and Date Last Revised
276	Confirmation Beacon System	(CC) July 1, 2016
X 277	Re-Optimize Traffic Signal System	(ILD1CC) July 1, 2016
278	Optimize Traffic Signal System	(ILD1CC) July 1, 2016
279	Median Removal and Replacement	(CC) July 1, 2016
280	Sidewalk Removal and Replacement	(CC) July 1, 2016
281	Relocate Existing Light Standard and Luminaire Complete in Place	(CC) July 1, 2016
282	Maintenance Of Lighting System	(ILD1CC) July 1, 2016
283	City Electric Manholes to be Adjusted	(CC) July 1, 2016
284	Uninterruptible Power Supply (UPS)	(ILD1CC) July 1, 2016
285	Traffic Signal Cabinet Load Switch	(CC) July 1, 2016
X 286	Temporary Traffic Signal Timings	(ILD1CC) July 1, 2016
287	Combination Lighting and Traffic Signal Service Installation, Pole Mounted	(CC) July 1, 2016
X 288	Illuminated Street Name Sign	(ILD1CC) July 1, 2016
289	Relocate Existing Illuminated Street Name Sign	(CC) July 1, 2016
290	Video Detection System, Single Camera Processor Video Detection	(CC) July 1, 2016
291	Video Detection System, Complete Intersection	(CC) July 1, 2016
292	Not Used	
X 293	Uninterruptible Power Supply Without Cabinet	(CC) July 1, 2016
294	Modifying Existing Controller Cabinet	(ILD1CC) July 1, 2016
295	Traffic Actuated Controller	(ILD1CC) July 1, 2016
296	Traffic Actuated Controller with Cabinet, Inductive Loop Detector	(ILD1CC) July 1, 2016
297	Accessible Pedestrian Signals	(ILD1CC) July 1, 2016
X 298	Emergency Vehicle Priority System Line Sensor Cable, No. 20 3/C	(ILD1CC) July 1, 2016
299	Rod and Clean Existing Conduit	(ILD1CC) July 1, 2016
300	Remove and Replace Anchor Bolts	(ILD1CC) July 1, 2016
301	Rectangular Rapid Flashing Beacon System, Complete	(CC) July 1, 2016
X 302	Radar Vehicle Detection System	(ILD1CC) July 1, 2016
303	Flashing Beacon Installation, Solar Powered	(CC) July 1, 2016
304	Flashing Beacon Installation	(CC) July 1, 2016
305	Remove Existing Flashing Beacon	(CC) July 1, 2016
306	Relocate Existing Flashing Beacon Installation	(CC) July 1, 2016
307	Temporary Flashing Beacon Installation	(CC) July 1, 2016
X 308	Traffic Signal Painting	(ILD1CC) July 1, 2016
309	Uninterruptible Power Supply, Ground Mounted	(ILD1CC) July 1, 2016

### Additional Inserted Special Provisions (As Required)

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- 185a Status of Utilities to be Adjusted
- 400 Contract Exhibit A Scheduling (Sept 17, 2015)
- 401 IDOT Recurring Special Provision Checklist
- 402 IDOT Local Roads and Streets Recurring Special Provisions Checklist
- 403 IDOT Bureau of Design and Environment Checklist
- 404 IDOT Bureau of Local Roads and Streets District 1 Checklist
- 405 Quality Control/Quality Assurance of Concrete Mixtures
- 406 Coarse Aggregate Quality
- 407 Concrete Gutter, Curb, Median, and Paved Ditch
- 408 Friction Aggregate
- 409 LRFD Storm Sewer Burial Tables
- 410 Mechanical Side Tie Bar Inserter
- 411 Pavement Patching
- 412 Reinforcement Bars
- 413 Sidewalk, Corner, or Crosswalk Closure
- 414 Maintenance of Roadways (D-1)
- 415 Coarse Aggregate for Backfill, Trench Backfilling and Bedding (D-1)
- 416 Public Convenience and Safety (D-1)
- 417 Exploration Trench, Special
- 418 Porous Granular Embankment, Subgrade
- 419 Segmental Block Retaining Wall Removal
- 420 Concrete Paver Sidewalk Removal
- 421 Concrete Paver Sidewalk
- 422 Concrete Pavers (Furnish)
- 423 Concrete Header Band
- 424 Fire Hydrants to be Removed
- 425 Fire Hydrants with Auxiliary Valve and Valve Box
- 426 Ductile Iron Water Main
- 427 Non Pressure Connection
- 428 Detectable Warnings
- 429 General Electrical Requirements (D-1)
- 430 Underground Raceways (D-1)
- 431 Unit Duct
- 432 Maintenance of Lighting Systems
- 433 Remove Electric Cable from Conduit, Special
- 434 Removal of Lighting Unit, Salvage
- 435 Light Pole Foundation, 24" Diameter, Offset
- 436 Relocate Existing Lighting Unit, Special
- 437 Light Pole Foundation, Metal, 12" Bolt Circle, 8 5/8" x 6"
- 438 Removal of Pole Foundation
- 439 Remove Existing Handhole
- 440 Temporary Sidewalk
- 441 Temporary ADA Ramp

- 442 Luminaire, Type 1

### Additional Document Inclusions (Required)

*0 01	Cover Sheet	
*0 02	Notice Sheet	(CC) April 30, 2015
*C	Proposal Sheet	(CC) Jan. 15, 2013
*E(DBE)	DBE Economic Disclosure Statement	(CC) Jan. 1, 2008
	Identification of Subcontractors, Suppliers and Sub consultants Form; Electronics Payables Program ("E-Payables"); Veteran's Preference for VBE and SDVBE; Affidavit Veteran's Workplace Preference Public Works Contracts; Economic Disclosure Statement and Execution Document Index; Instructions for Completion of Economic Disclosure Statement and Execution Documents; Certifications; Execution Pages; Insert IDOT Certificate of Eligibility; Insert IDOT Affidavit of Availability; Labor Standards & Prevailing Wage Requirements; DBE Forms	(CC) April 7, 2015
*E(MWBE)	MBE/WBE Economic Disclosure Statement:	(CC) April 7, 2015
	Identification of Subcontractors, Suppliers and Sub consultants Form; Electronics Payables Program ("E-Payables"); Veteran's Preference for VBE and SDVBE; Affidavit Veteran's Workplace Preference Public Works Contracts; Economic Disclosure Statement and Execution Document Index; Instructions for Completion of Economic Disclosure Statement and Execution Documents; Certifications; Execution Pages; Insert IDOT Certificate of Eligibility; Insert IDOT Affidavit of Availability; Labor Standards & Prevailing Wage Requirements; MWBE Forms	
F	Surety's Statement Of Qualification for Bonding	
*G1	Trust Agreement	(CC) June 2, 2011
*H	Performance and Payment of Bond Form	(CC) May 20, 2015
*I	Contract	(CC) June 9, 2011
*J	Schedule of Prices Sheets	(CC) Jan. 15, 2013
*K	Proposal Bid Bond	(CC) Dec. 28, 2011
*L	Bid Deposit Form	(CC) Jan. 15, 2013
		(CC) Jan. 15, 2013

\* 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 Department of Transportation and Highways
(IL) Current	Initiated by Illinois Department of Transportation
(ILD1) Current	Initiated by Illinois Department of Transportation District 1
(IL-CC)	Initiated by the Illinois Department of Transportation and amended by Cook County Department of Transportation and Highways
(ILD1-CC)	Initiated by Illinois Department of Transportation District 1 and amended by Cook County Department of Transportation and Highways
(IL Recurring)	Initiated by Illinois Department of Transportation Recurring Special Provisions
(IL LR Recurring)	Initiated by Illinois Department of Transportation Local Roads Recurring Special Provisions
(IL BDE)	Initiated by Illinois Department of Transportation Bureau of Design and Environment
(IL LR)	Initiated by Illinois Department of Transportation Bureau of Local Roads and Streets
(IL D-1)	Initiated by Illinois Department of Transportation District 1

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



CHECK SHEET  
FOR  
RECURRING SPECIAL PROVISIONS

Adopted April 1, 2016

The following RECURRING SPECIAL PROVISIONS indicated by an "X" are applicable to this contract and are included by reference:

<u>CHECK SHEET #</u>	<u>RECURRING SPECIAL PROVISIONS</u>	<u>PAGE NO.</u>
1	<input type="checkbox"/> Additional State Requirements for Federal-Aid Construction Contracts	1
2	<input type="checkbox"/> Subletting of Contracts (Federal-Aid Contracts)	4
3	<input type="checkbox"/> EEO	5
4	<input type="checkbox"/> Specific EEO Responsibilities Non Federal-Aid Contracts	15
5	<input type="checkbox"/> Required Provisions - State Contracts	20
6	<input type="checkbox"/> Asbestos Bearing Pad Removal	26
7	<input type="checkbox"/> Asbestos Waterproofing Membrane and Asbestos Hot-Mix Asphalt Surface Removal	27
8	<input type="checkbox"/> Temporary Stream Crossings and In-Stream Work Pads	28
9	<input type="checkbox"/> Construction Layout Stakes Except for Bridges	29
10	<input type="checkbox"/> Construction Layout Stakes	32
11	<input type="checkbox"/> Use of Geotextile Fabric for Railroad Crossing	35
12	<input type="checkbox"/> Subsealing of Concrete Pavements	37
13	<input type="checkbox"/> Hot-Mix Asphalt Surface Correction	41
14	<input type="checkbox"/> Pavement and Shoulder Resurfacing	43
15	<input type="checkbox"/> Patching with Hot-Mix Asphalt Overlay Removal	44
16	<input type="checkbox"/> Polymer Concrete	45
17	<input type="checkbox"/> PVC Pipeliner	47
18	<input type="checkbox"/> Bicycle Racks	48
19	<input type="checkbox"/> Temporary Portable Bridge Traffic Signals	50
20	<input type="checkbox"/> Work Zone Public Information Signs	52
21	<input type="checkbox"/> Nighttime Inspection of Roadway Lighting	53
22	<input type="checkbox"/> English Substitution of Metric Bolts	54
23	<input type="checkbox"/> Calcium Chloride Accelerator for Portland Cement Concrete	55
24	<input type="checkbox"/> Quality Control of Concrete Mixtures at the Plant	56
25	<input checked="" type="checkbox"/> Quality Control/Quality Assurance of Concrete Mixtures	64
26	<input type="checkbox"/> Digital Terrain Modeling for Earthwork Calculations	80
27	<input type="checkbox"/> Pavement Marking Removal	82
28	<input type="checkbox"/> Preventive Maintenance - Bituminous Surface Treatment	83
29	<input type="checkbox"/> Preventive Maintenance - Cape Seal	89
30	<input type="checkbox"/> Preventive Maintenance - Micro-Surfacing	104
31	<input type="checkbox"/> Preventive Maintenance - Slurry Seal	115
32	<input type="checkbox"/> Temporary Raised Pavement Markers	125
33	<input type="checkbox"/> Restoring Bridge Approach Pavements Using High-Density Foam	126

CHECK SHEET  
FOR  
LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS

Adopted April 1, 2016

The following LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS indicated by an "X" are applicable to this contract and are included by reference:

LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS

<u>CHECK SHEET #</u>		<u>PAGE NO.</u>
LRS 1	Reserved.....	130
LRS 2	<input type="checkbox"/> Furnished Excavation .....	131
LRS 3	<input type="checkbox"/> Work Zone Traffic Control Surveillance .....	132
LRS 4	<input type="checkbox"/> Flaggers in Work Zones .....	133
LRS 5	<input type="checkbox"/> Contract Claims .....	134
LRS 6	<input type="checkbox"/> Bidding Requirements and Conditions for Contract Proposals .....	135
LRS 7	<input type="checkbox"/> Bidding Requirements and Conditions for Material Proposals .....	141
LRS 8	Reserved.....	147
LRS 9	<input type="checkbox"/> Bituminous Surface Treatments .....	148
LRS 10	Reserved.....	149
LRS 11	<input type="checkbox"/> Employment Practices .....	150
LRS 12	<input type="checkbox"/> Wages of Employees on Public Works .....	152
LRS 13	<input type="checkbox"/> Selection of Labor .....	154
LRS 14	<input type="checkbox"/> Paving Brick and Concrete Paver Pavements and Sidewalks .....	155
LRS 15	<input type="checkbox"/> Partial Payments .....	158
LRS 16	<input type="checkbox"/> Protests on Local Lettings.....	159
LRS 17	<input type="checkbox"/> Substance Abuse Prevention Program .....	160
LRS 18	<input type="checkbox"/> Multigrade Cold Mix Asphalt .....	161

**BDE SPECIAL PROVISIONS**  
For the July 29 and September 16, 2016 Lettings

The following special provisions indicated by an "x" are applicable to this contract and will be included by the Project Development and Implementation Section of the BD&E. An \* indicates a new or revised special provision for the letting.

<u>File Name</u>	<u>#</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80099	1	Accessible Pedestrian Signals (APS)	April 1, 2003	
80274	2	Aggregate Subgrade Improvement	April 1, 2012	Jan. 1, 2014
80192	3	Automated Flagger Assistance Device	Jan. 1, 2008	April 1, 2016
80173	4	Bituminous Materials Cost Adjustments	Nov. 2, 2006	July 1, 2015
80241	5	Bridge Demolition Debris	July 1, 2009	
50261	6	Building Removal-Case I (Non-Friable and Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50481	7	Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50491	8	Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010
50531	9	Building Removal-Case IV (No Asbestos)	Sept. 1, 1990	April 1, 2010
80365	10	Butt Joints	July 1, 2016	
80360	11	✓ Coarse Aggregate Quality	July 1, 2015	
80198	12	Completion Date (via calendar days)	April 1, 2008	
80199	13	Completion Date (via calendar days) Plus Working Days	April 1, 2008	
80298	14	Concrete Box Culverts with Skews - 30 Degrees and Design Hills ≤ 5 Feet	April 1, 2012	July 1, 2016
80311	15	Concrete End Sections for Pipe Culverts	Jan. 1, 2013	April 1, 2016
80277	16	Concrete Mix Design - Department Provided	Jan. 1, 2012	April 1, 2016
80261	17	Construction Air Quality - Diesel Retrofit	June 1, 2010	Nov. 1, 2014
80029	18	Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Jan. 2, 2016
80363	19	Engineer's Field Office	April 1, 2016	
80358	20	Equal Employment Opportunity	April 1, 2015	
80364	21	Errata for the 2016 Standard Specifications	April 1, 2016	
80229	22	Fuel Cost Adjustment	April 1, 2009	July 1, 2015
80304	23	Grooving for Recessed Pavement Markings	Nov. 1, 2012	Aug. 1, 2014
80246	24	Hot-Mix Asphalt - Density Testing of Longitudinal Joints	Jan. 1, 2010	April 1, 2016
80347	25	Hot-Mix Asphalt - Pay for Performance Using Percent Within Limits - Jobsite Sampling	Nov. 1, 2014	April 1, 2016
80367	26	Light Poles	July 1, 2016	
80368	27	Light Tower	July 1, 2016	
80336	28	Longitudinal Joint and Crack Patching	April 1, 2014	April 1, 2016
80369	29	Mast Arm Assembly and Pole	July 1, 2016	
80045	30	Material Transfer Device	June 15, 1999	Aug. 1, 2014
80342	31	✓ Mechanical Side Tie Bar Inserter	Aug. 1, 2014	April 1, 2016
80370	32	Mechanical Solters	July 1, 2016	
80165	33	Moisture Cured Urethane Paint System	Nov. 1, 2006	Jan. 1, 2010
80361	34	Overhead Sign Structures Certification of Metal Fabricator	Nov. 1, 2015	April 1, 2016
80349	35	Pavement Marking Blackout Tape	Nov. 1, 2014	April 1, 2016
80371	36	Pavement Marking Removal	July 1, 2016	
80298	37	Pavement Marking Tape Type IV	April 1, 2012	April 1, 2016
80365	38	Pedestrian Push-Button	April 1, 2016	
80372	39	Preventive Maintenance - Bituminous Surface Treatment (A-I)	Jan. 1, 2009	July 1, 2016
80373	40	Preventive Maintenance - Cape Seal	Jan. 1, 2009	July 1, 2016
80374	41	Preventive Maintenance - Micro-Surfacing	Jan. 1, 2009	July 1, 2016
80375	42	Preventive Maintenance - Slurry Seal	Jan. 1, 2009	July 1, 2016
80389	43	Portland Cement Concrete Bridge Deck Curing	April 1, 2015	July 1, 2016
80353	44	Portland Cement Concrete Inlay or Overlay	Jan. 1, 2015	April 1, 2016

<u>File Name</u>	<u>#</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80338	45	Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching		
80300	46	Preformed Plastic Pavement Marking Type D - Inlaid	April 1, 2014	April 1, 2016
80328	47	Progress Payments	April 1, 2012	April 1, 2016
34261	48	Railroad Protective Liability Insurance	Nov. 2, 2013	
80157	49	Railroad Protective Liability Insurance (5 and 10)	Dec. 1, 1986	Jan. 1, 2006
80306	50	Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)	Jan. 1, 2006	
80340	51	Speed Display Trailer	Nov. 1, 2012	April 1, 2016
80127	52	Steel Cost Adjustment	April 2, 2014	April 1, 2016
80362	53	Steel Slag in Trench Backfill	April 2, 2004	July 1, 2015
80317	54	Surface Testing of Hot-Mix Asphalt Overlays	Jan. 1, 2016	
80355	55	Temporary Concrete Barrier	Jan. 1, 2013	April 1, 2016
20338	56	Training Special Provisions	Jan. 1, 2015	July 1, 2015
80318	57	Traversable Pipe Grate	Oct. 15, 1975	
80288	58	Warm Mix Asphalt	Jan. 1, 2013	April 1, 2014
80302	59	Weekly DBE Trucking Reports	Jan. 1, 2012	April 1, 2016
80289	60	Wet Reflective Thermoplastic Pavement Marking	June 2, 2012	April 2, 2015
80071	61	Working Days	Jan. 1, 2012	
			Jan. 1, 2002	

The following special provisions and recurring special provisions are in the 2016 Standard Specifications.

<u>File Name</u>	<u>Special Provision Title</u>	<u>New Location</u>	<u>Effective</u>	<u>Revised</u>
80240	Above Grade Inlet Protection	Articles 280.02, 280.04, and 1081.15	July 1, 2009	Jan. 1, 2012
80310	Coated Galvanized Steel Conduit	Article 811.03	Jan. 1, 2013	Jan. 1, 2015
80341	Coilable Nonmetallic Conduit	Article 1088.01	Aug. 1, 2014	Jan. 1, 2015
80294	Concrete Box Culverts with Skews $\leq$ 30 Degrees Regardless of Design Fill and Skews $>$ 30 Degrees with Design Fills $>$ 5 Feet	Article 540.04	April 1, 2012	April 1, 2014
80334	Concrete Gutter, Curb, Median, and Paved Ditch	Articles 606.02, 606.07, and 1050.04	April 1, 2014	Aug. 1, 2014
80335	Contract Claims	Article 109.09	April 1, 2014	
Chk Sht #27	English Substitution of Metric Reinforcement Bars	Article 508.09	April 1, 1996	Jan. 1, 2011
80265	Friction Aggregate	Articles 1004.01 and 1004.03	Jan. 1, 2011	Nov. 1, 2014
80329	Glare Screen	Sections 638 and 1085	Jan. 1, 2014	
Chk Sht #20	Guardrail and Barrier Wall Delineation	Sections 635, 725, 782, and 1097	Dec. 15, 1993	Jan. 1, 2012
80322	Hot-Mix Asphalt – Mixture Design Composition and Volumetric Requirements	Sections 312, 355, 406, 407, 442, 482, 601, 1003, 1004, 1030, and 1102	Nov. 1, 2013	Nov. 1, 2014
80323	Hot-Mix Asphalt – Mixture Design Verification and Production	Sections 406, 1030, and 1102	Nov. 1, 2013	Nov. 1, 2014
80348	Hot-Mix Asphalt – Prime Coat	Sections 403, 406, 407, 408, 1032, and 1102	Nov. 1, 2014	
80315	Insertion Lining of Culverts	Sections 543 and 1029	Jan. 1, 2013	Nov. 1, 2013
80351	Light Tower	Article 1069.08	Jan. 1, 2015	
80324	LRFD Pipe Culvert Burial Tables	Sections 542 and 1040	Nov. 1, 2013	April 1, 2015
80325	LRFD Storm Sewer Burial Tables	Sections 550 and 1040	Nov. 1, 2013	April 1, 2015
80337	Paved Shoulder Removal	Article 440.07	April 1, 2014	
80254	Pavement Patching	Article 701.17	Jan. 1, 2010	
80352	Pavement Striping - Symbols	Article 780.14	Jan. 1, 2015	

<u>File Name</u>	<u>Special Provision Title</u>	<u>New Location</u>	<u>Effective</u>	<u>Revised</u>
Chk Sht #19	Pipe Underdrains			
80343	Precast Concrete Handhole	Section 601 and Articles 1003.01, 1003.04, 1004.05, 1040.06, and 1080.05	Sept. 9, 1987	Jan. 1, 2007
80350	Retroreflective Sheeting for Highway Signs	Articles 814.02, 814.03, and 1042.17	Aug. 1, 2014	
80327	Reinforcement Bars	Article 1091.03	Nov. 1, 2014	
80344	Rigid Metal Conduit	Section 508 and Articles 421.04, 442.06, 1006.10	Nov. 1, 2013	
80354	Sidewalk, Corner, or Crosswalk Closure	Article 1088.01	Aug. 1, 2014	
80301	Tracking the Use of Pesticides	Article 1106.02	Jan. 1, 2015	April 1, 2015
80356	Traffic Barrier Terminals Type 6 or 6B	Article 107.23	Aug. 1, 2012	
80345	Underpass Luminaire	Article 631.02	Jan. 1, 2015	
80357	Urban Half Road Closure with Mountable Median	Articles 821.06 and 1067.04	Aug. 1, 2014	April 1, 2015
		Articles 701.18, 701.19, and 701.20	Jan. 1, 2015	July 1, 2015
80346	Waterway Obstruction Warning Luminaire	Article 1067.07	Aug. 1, 2014	April 1, 2015

The following special provisions require additional information from the designer. The additional information needs to be included in a separate document attached to this check sheet. The Project Development and Implementation section will then include the information in the applicable special provision. The Special Provisions are:

- Bridge Demolition Debris
- Building Removal-Case I
- Building Removal-Case II
- Building Removal-Case III
- Building Removal-Case IV
- Completion Date
- Completion Date Plus Working Days
- DBE Participation
- Material Transfer Device
- Railroad Protective Liability Insurance
- Training Special Provisions
- Working Days

## SPECIAL PROVISIONS CHECK LIST

Generated 4/18/16 – Revised 5/9/16

Designer: \_\_\_\_\_  
 Contract No.: \_\_\_\_\_

FAP: \_\_\_\_\_  
 Section: \_\_\_\_\_  
 County: \_\_\_\_\_

√	Dir	File Name	Spec Title	Spec Dates
X	DES\	1048945R.DOC	Maintenance of Roadways	
	DES\	1078948R.DOC	Tollway Permit and Bond	E 9/30/85 R 11/1/96
	DES\	1080301.doc	Restriction on Working Days After a Completion Date	E 01/13/89
	DES\	1086587r.doc	Failure to Complete the Work on Time	E 01/21/03 R 01/01/07
	DES\	1088949R.DOC	Completion Date Plus Working Days	E 09/30/85 R 01/01/07
	DES\	1088951R.DOC	Incentive Payment Plan	E 09/30/85 R 01/01/07
	DES\	2080101.doc	RAP For Non-Porous Embankment and Backfill	E 10/01/95 R 01/01/07
	DES\	4020211.doc	Aggregate Surface Course for Temporary Access	E 04/01/01 R 01/01/07
	DES\	4408955R.DOC	Pavement Removal, Special	E 04/01/01 R 01/02/07
	DES\	5028956R.DOC	Rock Excavation for Structures, Special	E 01/13/89 R 01/01/07
	DES\	5038957R.DOC	Rustication Finish For Retaining Walls	E 09/30/85 R 01/01/07
	DES\	5501234R.DOC	Storm Sewer Adjacent to or Crossing Water Main	E 05/01/90 R 01/01/07
	DES\	5508960R.DOC	Storm Sewers & Sewer Connections to City of Chicago Sewers	E 02/01/96 R 01/01/07
	DES\	6008961R.DOC	Slotted Drain	E 09/30/85 R 01/01/07
	DES\	6028962R.DOC	Cleaning Existing Drainage Structures	E 09/30/85 R 01/01/07
	DES\	6068964R.DOC	Concrete Curb, Type B (Modified)	E 09/30/85 R 12/01/11
	DES\	6068965R.DOC	Stabilized Median Surface	E 09/30/85 R 01/01/07
	DES\	6370499.doc	Aggregate For Concrete Barrier (D-1)	E 09/30/85 R 03/24/15
	DES\	7016789.DOC	Traffic Control & Protection (Arterials)	E 03/11/04 R 01/24/08
	DES\	9018967R.DOC	Traffic Control Plan	E 02/01/96 R 03/01/11
	DES\	Adjustments- Reconstructs.doc	Adjustments and Reconstructions	E 09/30/85 R 01/01/07 E 03/15/11
	DES\	AGG SUBGR IMPROVEMENT(D1).d oc	Aggregate Subgrade Improvement (D1)	E 02/22/12 R 04/01/16
	DES\	Bit Coated Agg Slop ewall.doc	Bituminous Coated Aggregate Slopewall	E 01/01/07
X	DES\	CA Backfill Trench Backfill Bedding (D1).doc	Coarse Aggregate for Backfill, Trench Backfill and Bedding (D-1)	E 11/01/11 R 11/01/13
	DES\	CAC-BMPR.doc	Calcium Aluminate Cement (BMPR)	E 07/01/13
	DES\	Conc Noise Abate W all(D1).docx	Concrete Noise Abatement Walls (Absorptive & Reflective)(Dist 1)	E 09/05/08 R 01/12/11
	DES\	CTA Flag Coordinatio n.doc	CTA Flagging and Coordination	E 05/14/98 R 08/27/09
	DES\	Drain Inlet Prot Undr Traff(D1).doc	Drainage And Inlet Protection Under Traffic (D-1)	E 04/01/11 R 04/02/11
	DES\	Embankment I.doc	Embankment I	E 03/01/11 R 11/01/13
	DES\	Embankment II.doc	Embankment II	E 03/01/11 R 11/01/13
	DES\	ENG FIELD OFF TY A (SP).doc	Engineer's Field Office Type A (Special)	E 12/01/11 R 05/01/13
	DES\	Friction Agg(D-1).doc	Friction Aggregate (D-1)	E 01/01/11 R 04/29/16
	DES\	Grade Shape Shldr.d oc	Grading and Shaping Shoulders	E 12/28/01 R 01/01/07
	DES\	GTR Modified Binder(D-1).doc	Ground Tire Rubber (GTR) Modified Asphalt Binder (D-1)	E 06/29/06 R 04/01/16
	DES\	Heat of Hydration Ctrl (D1).doc	Heat of Hydration Control (D-1)	E 11/01/13
	DES\	HMA Mix Des Reqmts(D-1).doc	HMA Mixture Design Requirements (D-1)	E 01/01/13 R 04/01/16
	DES\	HMA QCP (BMPR).doc	Hot Mix Asphalt Quality Control For Performance (BMPR)	E 01/01/12 R 1/16/15

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	DES\	<u>Hot in Place Recycle.doc</u>	Pavement Rehabilitation by Hot In-Place Recycling	E 07/11/03 R 05/05/14
	DES\	<u>LightwtCellularConcFill (D1).docx</u>	Lightweight Cellular Concrete Fill (D-1)	E 11/11/01 R 02/01/16
X	DES\	<u>Pub Conv Sfty(D1).doc</u>	Public Convenience and Safety (D-1)	E 05/01/12 R 07/15/12
	DES\	<u>RAP-RAS(D1).doc</u>	Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS) (D-1)	E 11/01/12 R 04/02/16
	DES\	<u>Slipform Paving (D-1).doc</u>	Slipform Paving (D-1)	E 11/01/14
	DES\	<u>Status Utility (D-1).doc</u>	Status Of Utilities (D-1)	E 06/01/2016
	DES\	<u>Status Utility Adj-90day.doc</u>	Status Of Utilities To Be Adjusted	E 01/30/87 R 01/24/13
	DES\	<u>TEMP PVMT.doc</u>	Temporary Pavement	E 03/01/03 R 04/10/08
	DES\	<u>WINTERIZED TEMP ACCESS 3-5-12.doc</u>	Winterized Temporary Access	E 01/01/12 R 03/05/12
<b><u>Bureau of Electrical Special Provisions</u></b>				
X	ELE\	<u>810.02- UNDERGROUND RACEWAYS.doc</u>	Underground Raceways	E 3/1/2015
	ELE\	<u>Combination Controller 2015.doc</u>	Combination Lighting Controller	E 2/23/2015
	ELE\	<u>Elec Serv Disc lgt sig 2012.doc</u>	Electric Service Disconnect, Lighting And Traffic Signal	E: 1/1/2012
	ELE\	<u>Fiber Optic Cable SM 2013 v2.doc</u>	Fiber Optic Cable	E 3/15/2013
	ELE\	<u>Fiber Optic Cable Splice 2014 v1.doc</u>	Fiber Optic Cable	E 6/1/2014
X	ELE\	<u>General Electrical Provisions 2016 V1.doc</u>	General Electrical Requirements GPS	E 4/1/2016
	ELE\	<u>HPS Underpass 2012.doc</u>	Underpass Luminaire, HPS, Stainless Steel Housing	E 1/1/2012
	ELE\	<u>Innerduct v4 2014.doc</u>	Wire and Cable	
	ELE\	<u>Junction Box Embedded 2012.doc</u>	Junction Box Embedded in Structure	E 10/1/2014
	ELE\	<u>Light Tower 2016 Galvanized AASHTO exception v2.doc</u>	Light Tower	E 1/1/2012
	ELE\	<u>Lighting Controller SC ADA 2012.doc</u>	Lighting Controller, Radio Control, Duplex, Console Type	E 4/1/2016
X	ELE\	<u>Lighting Maint 2012.doc</u>	Maintenance of Lighting Systems	E 1/1/2012
	ELE\	<u>Luminaire 2012.doc</u>	Luminaire	E 1/1/2012
	ELE\	<u>Luminaire LED 2016 v2.docx</u>	Luminaire, LED	E 2/1/16
	ELE\	<u>Luminaire safety cable 2012.DOC</u>	Luminaire Safety Cable Assembly	E 1/1/2012
	ELE\	<u>Protect Underpass Lighting System 2012.doc</u>	Protect & Maintain Underpass Luminaires	E 1/1/2012

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	ELEV	Raceway Exposed 2012.DOC	Exposed Raceways	E 1/1/2012
	ELEV	Service Connection 2012.doc	Electric Utility Service Connection (ComEd)	E 1/1/2012
	ELEV	Service Install 2012.doc	Electric Service Installation	E 1/1/2012
	ELEV	Temp light Single Lane Sta 2012.doc	Temporary Lighting For Single Lane Staging	E 01/01/2012
	ELEV	Temp pole install 2012.DOC	Temporary Wood Pole, Install Only	E 1/1/2012
X	ELEV	Unit Duct 2012.DOC	Unit Duct	E 1/01/2012
	ELEV	Wire Cable 2012.doc	Wire and Cable	E 1/1/2012
<b>Guide Bridge Special Provisions</b>				
	GBS\	GBSP04.doc	Polymer Modified Portland Cement Mortar	E 6/7/94 R 07/26/13
	GBS\	gbsp12.doc	Drainage System	E 6/10/94 R 6/24/15
	GBS\	GBSP13.doc	Floating Bearings	E 10/13/88 R 10/30/12
	GBS\	GBSP14.doc	Jack and Remove Existing Bearings	E 04/20/94 R 01/01/07
	GBS\	gbsp15.doc	Three Sided Precast Concrete Structure	E 7/12/94 R 12/29/14
	GBS\	GBSP16.doc	Jacking Existing Superstructure	E 01/11/93 R 01/01/07
	GBS\	GBSP17.doc	Bonded Preformed Joint Seal	E 07/12/94 R 01/01/07
	GBS\	gbsp18.doc	Modular Expansion Joint	E 5/19/94 R 12/29/14
	GBS\	GBSP21.doc	Cleaning and Painting Contact Surfaces of Existing Steel Structures	E 05/15/91 R 05/18/11
	GBS\	GBSP25.doc	Cleaning and Painting Existing Steel Structures	E 10/02/01 R 04/22/16
	GBS\	GBSP26.doc	Containment and Disposal of Lead Paint Cleaning Residues	E 10/02/01 R 04/22/16
	GBS\	GBSP28.doc	Deck Slab Repair	E 05/15/95 R 10/15/11
	GBS\	gbsp29.doc	Bridge Deck Microsilica Concrete Overlay	E 5/15/95 R 6/24/15
	GBS\	gbsp30.doc	Bridge Deck Latex Concrete Overlay	E 5/15/95 R 6/24/15
	GBS\	gbsp31.doc	Bridge Deck HRM Concrete Overlay	E 1/21/00 R 6/24/15
	GBS\	GBSP32.doc	Temporary Sheet Piling	E 09/02/94 R 01/31/12
	GBS\	gbsp33.doc	Pedestrian Truss Superstructure	E 1/13/98 R 12/29/14
	GBS\	GBSP34.doc	Concrete Wearing Surface	E 6/23/94 R 02/06/13
	GBS\	GBSP35.doc	Silicone Bridge Joint Sealer	E 08/01/95 R 10/15/11
	GBS\	GBSP38.doc	Mechanically Stabilized Earth Retaining Walls	E 02/03/99 R 10/05/15
	GBS\	GBSP42.doc	Drilled Soldier Pile Retaining Wall	E 09/20/01 R 10/15/15
	GBS\	GBSP43.doc	Driven Soldier Pile Retaining wall	E 11/13/02 R 10/05/15
	GBS\	GBSP44.doc	Temporary Soil Retention System	E 12/30/02 R 05/11/09
	GBS\	GBSP45.doc	Bridge Deck Thin Polymer Overlay	E 05/07/97 R 02/06/13
	GBS\	GBSP46.doc	Geotextile Retaining walls	E 09/19/03 R 07/26/13
	GBS\	GBSP51.doc	Pipe Underdrains for Structures	E 05/17/00 R 01/22/10
	GBS\	GBSP53.doc	Structural Repair of Concrete	E 03/15/06 R 08/29/14
	GBS\	GBSP55.doc	Erection of Curved Steel Structures	E 06/01/07
	GBS\	GBSP56.doc	Setting Piles In Rock	E 11/14/96 R 04/19/12
	GBS\	GBSP57.doc	Temporary Mechanically Stabilized Earth Retaining Walls	E 01/06/03 R 10/05/15
	GBS\	GBSP59.doc	Diamond Grinding and Surface Testing Bridge Sections	E 12/06/04 R 01/03/14
	GBS\	GBSP60.doc	Containment and Disposal of Non Lead Paint Cleaning Residues	E 11/25/04 R 03/06/09
	GBS\	GBSP61.doc	Slipform Parapet	E 06/01/07 R 12/29/14
	GBS\	GBSP62.doc	CONCRETE DECK BEAMS	E 06/13/08 R 10/09/09
	GBS\	GBSP64.doc	Segmental Concrete Block Wall	E 01/07/99 R 10/30/12
	GBS\	GBSP65.doc	Precast Modular Retaining Wall	E 03/19/01 R 12/29/14



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GBS\	<u>gbsp67.doc</u>	Structural Assessment Reports for Contractor's Means and Methods	E 03/06/09 R 10/05/15
GBS\	<u>GBSP70.doc</u>	Braced Excavation	
GBS\	<u>GBSP71.doc</u>	Aggregate Column Ground Improvement	E 08/09/95 R 05/18/11
GBS\	<u>GBSP72.doc</u>	Bridge Deck Fly Ash or Ground Granulated Blast-Furnace Concrete Overlay	E 01/15/09 R 10/15/11 E 1/18/11 R 6/24/15
GBS\	<u>GBSP73.doc</u>	Cofferdams	
GBS\	<u>GBSP74.doc</u>	Permanent Steel Sheet Piling (LRFD)	E 10/15/11 R
GBS\	<u>GBSP75.doc</u>	Bond Breaker for Prestressed Concrete Bulb-T Beams	E 01/31/12 R 08/17/12
GBS\	<u>GBSP76.doc</u>	Granular Backfill for Structures	E 04/19/12 R
GBS\	<u>GBSP77.doc</u>	Weep Hole Drains for Abutments, Wingwalls, Retaining Walls and Culverts	E 04/19/12 R 10/30/12 E 04/19/12 R 10/22/13
GBS\	<u>GBSP78.doc</u>	Bridge Deck Construction	
GBS\	<u>GBSP79.doc</u>	Bridge Deck Grooving (Longitudinal)	E 10/22/13 R 04/01/16
GBS\	<u>GBSP80.doc</u>	Fabric Reinforced Elastomeric	E 12/29/14 R 04/01/16
GBS\	<u>GBSP84.doc</u>	Precast Prestressed Concrete Beams	E 08/29/14
GBS\	<u>GBSP85.docx</u>	Micropiles	E 10/05/15 R
GBS\	<u>GBSP86.docx</u>	Drilled Shafts	E 04/19/96 R 10/5/15
GBS\	<u>GBSP87.docx</u>	Lightweight Cellular Concrete Fill	E 10/05/15
GBS\	<u>index.doc</u>	GBSP Check Sheet	E 11/11/01 R 10/05/15

### Bridge and Roadway Maintenance Special Provisions

MNT1\	<u>ADJRCK.doc</u>	Adjust Rocker and Sole Plate	
MNT1\	<u>APPR SLAB REM&amp;REPL.doc</u>	Approach Slab Removal & Replacement	E 01/23/95 R 01/01/07
MNT1\	<u>APSLRP.DOC</u>	Approach Slab Repair	E 12/28/01 R 08/01/15
MNT1\	<u>Bmstrt.doc</u>	Beam Straightening	E 03/13/97 R 09/25/09
MNT1\	<u>Br-Dk-Conc-Sealer.doc</u>	Bridge Deck Concrete Sealer	E 12/06/94 R 01/01/07
MNT1\	<u>Brpad.doc</u>	Bearing Pad Adjustment	E 06/17/10 R 07/01/12
MNT1\	<u>Bridge Drain Sys Repair.doc</u>	Bridge Drainage System Repairs	E 07/27/94 R 01/01/07
MNT1\	<u>BRR.doc</u>	Bridge Rail Removal	E 11/16/10 R 09/15/11
MNT1\	<u>Cleaning Drainage System.doc</u>	Cleaning Drainage System	E 04/15/99 R 01/01/07
MNT1\	<u>Concscar.doc</u>	Concrete Bridge Deck Scarification [W/New HMA Overlay W/O Wms]	E 06/21/04 R 08/30/10 E 11/22/02 R 01/01/07
MNT1\	<u>CWS.DOC</u>	Concrete Wearing Surface [Use on Slab Bridges - for PPC Dk Bms use GBSP34]	E 06/23/94 R 01/01/07
MNT1\	<u>Debris Removal.doc</u>	DEBRIS REMOVAL	
MNT1\	<u>dowelrp.doc</u>	Dowel Repair	E 06/27/02
MNT1\	<u>EPXINJ.DOC</u>	Epoxy Injection	E 07/27/94 R 01/01/07
MNT1\	<u>Fldrex.doc</u>	Floor Drain Extension	E 12/06/94 R 01/01/07
MNT1\	<u>Grade Shape Foreslope.doc</u>	Grading And Shaping Foreslopes	E 02/01/96 R 04/07/98
MNT1\	<u>Groutrp.doc</u>	Grout Repair	E 04/01/08
MNT1\	<u>HMArm1.doc</u>	Hot-Mix Asphalt Surface Removal Complete	E 07/27/94 R 01/01/07
MNT1\	<u>HMArm2.DOC</u>	Hot-Mix Asphalt Surface Removal [Use w/ PPC Deck Beams]	E 12/08/93 R 01/01/07 E 07/27/94 R 01/01/07
MNT1\	<u>HMArm3.doc</u>	Hot-Mix Asphalt Surface Removal (Deck)	E 04/29/96 R 01/01/07
MNT1\	<u>HMArm4.doc</u>	Hot-Mix Asphalt Surface Removal [Use w/Deck Slab Repairs]	E 07/27/94 R 01/01/07
MNT1\	<u>Jckrb.doc</u>	Jacking and Cribbing	
MNT1\	<u>JKRPBR.DOC</u>	Jack and Reposition Bearings	E 10/05/99 R 01/01/07
MNT1\	<u>Keep Toll Open To Traffic.doc</u>	Keeping the Tollway Open to Traffic	E 12/15/93 R 07/15/96 E 03/22/96 R 10/12/10

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MNT1\	Keywvrp.doc	Keyway Repair	
MNT1\	NIGHT WZ LIGHT(D1).doc	Nighttime Work Zone Lighting (D1)	E 07/27/94 R 08/12/11
MNT1\	Paint Warranty7.doc	Warranty for Cleaning and Painting Steel Structures	E 11/01/08 R 06/15/10
MNT1\	PINLNK.DOC	Pin and Link Replacement	E 03/03/00 R 11/24/04
MNT1\	PINRR.DOC	Pin Replacement	E 11/20/95 R 06/20/96
MNT1\	plexdd.doc	Plug Existing Deck Drains	E 06/11/96 R 06/20/96
MNT1\	PPROSH.DOC	Permanent Protective Shield System	E 11/06/96 R 01/01/07
MNT1\	PrGrAng.doc	Pressure Grouting Angles	E 10/03/96 R 06/27/08
MNT1\	reanrcr.doc	Re-Anchor Existing Expansion Joint Angles	E 06/01/93 R 01/01/07
MNT1\	REBAR.DOC	Cleaning and Painting Exposed Rebar	E 02/20/98
MNT1\	RECIBm.doc	Removal of Existing Concrete I-Beam	E 03/20/97 R 01/01/07
MNT1\	REXPPCDB.doc	Removal of Existing Precast Prestressed Concrete Deck Beams	E 07/09/98 R 05/05/99
MNT1\	RREXRL.DOC	Removing and Re-Erecting Existing Railing	E 10/28/98 R 01/01/07
MNT1\	Scarify.doc	Concrete Bridge Deck Scarification	E 10/31/96 R 01/01/07
MNT1\	SteelRem.doc	Structural Steel Removal	E 05/15/95 R 01/01/07
MNT1\	steelrep.doc	Structural Steel Repair	E 10/03/97 R 01/01/07
MNT1\	STRBM.DOC	Straighten Bent Members	E 12/15/00 R 01/01/07
MNT1\	StructRepConcr(SP).doc	Structural Repair Of Concrete (Special)	E 01/23/97 R 06/19/06
MNT1\	Tmpsh1.doc	Temporary Shoring & Cribbing [when req'd for damaged beam replacement; requires SE]	E 04/02/07
MNT1\	Tmpsh1a.doc	Temporary Shoring & Cribbing [when "May be req'd" for or Day Labor beam replacement; No SE req'd]	E 06/16/92 R 03/11/03
MNT1\	Tmpsh2.doc	Temporary Shoring and Cribbing [for use w/longitudinal joint. closure on slab bridges]	E 06/16/92 R 04/22/03
MNT1\	TMPSH3.DOC	Temporary Shoring and Cribbing [Use during Pile Repair]	E 07/27/94 R 03/11/03
MNT1\	TMPSH4.DOC	Temporary Shoring and Cribbing [Use to support Beams over substructure repair]	E 07/16/92 R 03/11/03
MNT1\	TMPSH5.DOC	Temporary Shoring and Cribbing [Support Slab Bridge during Joint reconstruction]	E 7/16/92 R 10/17/11
MNT1\	TMPSH6.DOC	Temporary Shoring and Cribbing [support effected beam during beam end repairs]	E 07/16/92 R 03/11/03
MNT1\	TMPSLB.DOC	Temporary Slab Support System [use with beam replacement]	E 10/22/04 R 11/09/04
MNT1\	TMPSP1.DOC	Temporary Support System [Use for Pin & Link Replacement]	E 07/27/94 R 03/11/03
MNT1\	TMPSP2.DOC	Temporary Support System [Use if Pins over RR]	E 11/20/95 R 04/04/97
MNT1\	Work Zone Traff Ctrl(D1-M).doc	Work Zone Traffic Control (D-1 Maintenance)	E 11/20/95 R 03/11/03
MNT2\	COARSE SAND PLACEMENT.doc	Coarse Sand Placement	E 05/30/96 R 06/15/10
MNT2\	GENERAL REQUIREMENTS FOR WEED CONTROL SPRAYING.doc	General Requirements For Weed Control Spraying	E 02/07/07
MNT2\	MULCH PLACEMENT FOR WOODY PLANTS.doc	Mulch Placement For Woody Plants	E 02/07/07
MNT2\	Pruning-safety.doc	Pruning For Safety And Equipment Clearance	E 02/07/07
MNT2\	SELECTIVE CLEARING.doc	Selective Clearing	E 10/31/06
MNT2\	WEED CONTROL PRE-EMERGENT GRANULAR HERBICIDE.doc	Weed Control, Pre-Emergent Granular Herbicide	E 02/08/07
MNT2\	WEED CONTROL NON-SELECTIVE AND NON-	Weed Control, Non-Selective And Non-Residual	E 07/29/02 R 02/07/07
			E 02/07/07

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		RESIDUAL.doc		
MNT2\		WEED CONTROL TEASEL (POUND).doc	Weed Control, Teasel (Pound)	E 02/07/07
<b>Bureau of Traffic Special Provisions</b>				
TRF\		701.01T-KEEPING THE EXPRESSWEAY OPEN TO TRAFFIC.doc	Keeping The Expressway Open To Traffic	E 03/22/96 R 01/21/15
TRF\		701.02T-FAILURE TO OPEN TRAFFIC LANES TO TRAFFIC.docx	Failure To Open Traffic Lanes To Traffic	E 03/22/96 R 02/09/05
TRF\		701.03T-TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).doc	Traffic Control And Protection (Expressways)	E 03/08/96 R 01/21/15
TRF\		701.04T-TRAFFIC CONTROL SURVIELLANCE (EXPRESSWAYS).doc	Traffic Control Surveillance (Expressways)	E 10/25/95 R 01/21/15
TRF\		701.06T-TEMPORARY INFORMATION SIGNING.docx	Temporary Information Signing	E 11/13/96 R 01/02/07
TRF\		701.07T-TRAFFIC CONTROL FOR WORK ZONE AREAS.docx	Traffic Control For Work Zone Areas	E 09/14/95 R 01/01/07
TRF\		701.08Ta-KEEPING ARTERIAL ROADWAYS OPEN TO TRAFFIC (LANE CLOSURES ONLY).docx	Keeping Arterial Roadways Open to Traffic (Lane Closures Only)	E 01/22/03 R 02/20/15
TRF\		701.08Tb-KEEPING ARTERIAL ROADWAYS OPEN TO TRAFFIC (WITH 15 MIN FULL STOPS).docx	Keeping Arterial Roadways Open to Traffic (With 15 MIN Full Stops)	E 01/22/03 R 02/20/15
TRF\		701.15T-SPEED DISPLAY TRAILER (D1).docx	Speed Display Trailer (D1)	E 4/01/15; R 4/1/16
TRF\		703.01T-WET REFLECTIVE TEMPORARY TAPE TYPE III.docx	Wet Reflective Temporary Tape Type Iii	E 02/01/07 R 02/01/11
TRF\		720.01TS-MAST ARM SIGN PANELS.docx	Mast Arm Sign Panels	E 05/22/02 R 07/01/15
TRF\		720.02TS-SIGN SHOP DRAWING SUBMITTAL.docx	Sign Shop Drawing Submittal	E 01/22/13 R 07/01/15
TRF\		733.09T-OVERHEAD SIGN STRUCTURE BRIDGE MOUNTED.docx	Overhead Sign Structure - Bridge Mounted	E 07/01/15 R
TRF\		780.01T-45 MIL HOT SPRAY THERMOPLASTIC PAVEMENT MARKING.docx	45 Mil Hot Spray Thermoplastic Pavement Marking	E 02/28/94 R 12/18/12
TRF\		800.01TS-TRAFFIC SIGNAL GENERAL REQUIREMENTS.docx	Traffic Signal General Requirements	E 05/22/02 R 01/01/15
TRF\		800.02TS-OPTIMIZE TRAFFIC SIGNAL SYSTEM.docx	Optimize Traffic Signal System	E 05/22/02 R 07/01/15
TRF\		800.03TS-RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM.docx	Re-Optimize Traffic Signal System	E 05/22/02 R 07/01/15
TRF\		805.01TS-SERVICE INSTALLATION (TRAFFIC SIGNALS).docx	Service Installation (Traffic Signals)	E 05/22/02 R 01/27/16
TRF\		806.01TS-GROUNDING OF TRAFFIC SIGNAL SYSTEMS.docx	Grounding Of Traffic Signal Systems	E 05/22/02 R 07/01/15
TRF\		810.01TS-COILABLE NON-METALLIC CONDUIT.docx	Coilable Non-Metallic Conduit	E 05/22/02 R 07/01/15
TRF\		810.02TS-UNDERGROUND RACEWAYS.docx	Underground Raceways	E 05/22/02 R 07/01/15
TRF\		810.03TS-ROD AND CLEAN EXISTING CONDUIT.docx	Rod And Clean Existing Conduit	E 01/01/15 R 07/01/15
TRF\		814.01TS-HANDHOLES.docx	Handholes	E 01/01/02 R 07/01/15

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TRF\	817.01TS-GROUNDING CABLE.docx	Grounding Cable	
TRF\	817.02TS-FIBER OPTIC TRACER CABLE.docx	Fiber Optic Tracer Cable	E 05/22/02 R 07/01/15 E 05/22/02 R 07/01/15
TRF\	850.01TS-MAINTENANCE OF EXISTING TRAFFIC SIGNAL AND FLASHING BEACON INSTALLATION.docx	Maintenance Of Existing Traffic Signal Installation	E 05/22/02 R 07/01/15
TRF\	851.01TS-TRAFFIC SIGNAL PAINTING.docx	Traffic Signal Painting	E 05/22/02 R 07/01/15
TRF\	857.01TS-FULL-ACTUATED CONTROLLER (SPECIAL).docx	Full-Actuated Controller (Special)	E 05/22/02 R 07/01/15 E 09/26/95 R 07/01/15
TRF\	857.02TS-FULL-ACTUATED CONTROLLER AND CABINET.docx	Full-Actuated Controller And Cabinet	E 01/01/02 R 07/01/15
TRF\	857.03TS-RAILROAD, FULL-ACTUATED CONTROLLER AND CABINET.docx	Railroad, Full-Actuated Controller And Cabinet	E 01/01/02 R 07/01/15
TRF\	860.01TS-MASTER CONTROLLER.docx	Master Controller	E 05/22/02 R 07/01/15
TRF\	862.01TS-UNINTERRUPTABLE POWER SUPPLY, SPECIAL.docx	Uninterruptable Power Supply, Special	E 01/01/13 R 01/05/16
TRF\	862.02TS-UNINTERRUPTABLE POWER SUPPLY, GROUND MOUNTED.docx	Uninterruptable Power Supply, Ground Mounted	E 01/01/12 R 07/01/15
TRF\	871.01TS-FIBER OPTIC CABLE.docx	Fiber Optic Cable	
TRF\	873.01TS-ELECTRIC CABLE.docx	Electric Cable	E 05/22/02 R 07/01/15
TRF\	873.02TS-GROUNDING EXISTING HANDHOLE FRAME AND COVER.docx	Grounding Existing Handhole Frame And Cover	E 05/22/02 R 07/01/15 E 05/22/02 R 07/01/15
TRF\	873.03TS-EVP SYSTEM LINE SENSOR CABLE, NO. 20 3C.docx	Emergency Vehicle Priority System Line Sensor Cable, No. 20 3/C	E 01/01/13 R 07/01/15
TRF\	873.04TS-RAILROAD INTERCONNECT CABLE.docx	Railroad Interconnect Cable	E 05/22/02 R 07/01/15
TRF\	875.01TS-TRAFFIC SIGNAL POST.docx	Traffic Signal Post	E 05/22/02 R 07/01/15
TRF\	876.01TS-PEDESTRIAN PUSH-BUTTON POST.docx	Pedestrian Push-Button Post	E 05/22/02 R 07/01/15 E 05/22/02 R 07/01/15
TRF\	877.01TS-MAST ARM ASSEMBLY AND POLE.docx	Mast Arm Assembly And Pole	E 05/22/02 R 07/01/15
TRF\	878.01TS-CONCRETE FOUNDATIONS.docx	Concrete Foundations	
TRF\	878.02TS-REMOVE AND REPLACE ANCHOR BOLTS.docx	Remove And Replace Anchor Bolts	E 05/22/02 R 07/01/15 E 01/01/14 R 07/01/15
TRF\	880.01TS-LED SIGNAL HEAD AND OPTICALLY PROGRAMMED LED SIGNAL HEAD.docx	Light Emitting Diode (Led) Signal Head And Optically Programmed Led Signal Head	E 05/22/02 R 07/01/15
TRF\	880.02TS-FLASHING BEACON INSTALLATION, RELOCATION AND REMOVAL.docx	Flashing Beacon Installation, Relocation And Removal	E 01/01/07 R 07/01/15
TRF\	881.01TS-LED PEDESTRIAN SIGNAL HEAD.docx	Light Emitting Diode (Led) Pedestrian Signal Head	E 05/22/02 R 07/01/15
TRF\	882.01TS-TRAFFIC SIGNAL BACKPLATE.docx	Traffic Signal Backplate	E 05/22/02 R 07/01/15
TRF\	886.01TS-DETECTOR LOOP.docx	Detector Loop	
TRF\	886.02TS-DETECTOR LOOP REPLACEMENT AND OR INSTALLATION.docx	Detector Loop Replacement And/Or Installation (Roadway Grinding, Resurfacing, & Patching Operations)	E 05/22/02 R 01/05/16 E 01/01/85 R 01/05/16
TRF\	886.03TS-RADAR VEHICLE DETECTION SYSTEM.docx	Radar Vehicle Detection System	E 07/01/15 R
TRF\	887.01TS-EMERGENCY VEHICLE PRIORITY SYSTEM.docx	Emergency Vehicle Priority System	E 05/22/02 R 07/01/15
TRF\	887.02TS-RELOCATE EXISTING EVP	Relocate Existing Emergency Vehicle	E 01/01/02 R 07/01/15

# SPECIAL PROVISIONS CHECK LIST

Generated 4/18/16 – Revised 5/9/16

Designer: \_\_\_\_\_  
 Contract No.: \_\_\_\_\_

FAP: \_\_\_\_\_  
 Section: \_\_\_\_\_  
 County: \_\_\_\_\_

		SYSTEM, DETECTOR UNIT.docx	Priority System, Detector Unit	
TRF\	887.03	TS-RELOCATE EXISTING EVP SYSTEM, PHASING UNIT.docx	Relocate Existing Emergency Vehicle Priority System, Phasing Unit	E 01/01/02 R 07/01/15
TRF\	888.01	TS-PEDESTRIAN PUSH-BUTTON.docx	Confirmation Beacon Pedestrian Push-Button	E 01/01/02 R 07/01/15 E 05/22/02 R 07/01/15
TRF\	888.02	TS-ACCESSIBLE PEDESTRIAN SIGNALS.docx	Accessible Pedestrian Signals	E 04/01/03 R 07/01/15
TRF\	890.01	TS-TEMPORARY TRAFFIC SIGNAL INSTALLATION.docx	Temporary Traffic Signal Installation	E 05/22/02 R 07/01/15
TRF\	890.02	TS-TEMPORARY TRAFFIC SIGNAL TIMING.docx	Temporary Traffic Signal Timing	E 05/22/02 R 07/01/15
TRF\	891.01	TS-ILLUMINATED SIGN, LED.docx	illuminated Sign, Led	E 05/22/02 R 07/01/15
TRF\	891.02	TS-LED INTERNALLY ILLUMINATED STREET NAME SIGN.docx	Led Internally Illuminated Street Name Sign	E 05/22/02 R 07/01/15
TRF\	895.01	TS-MODIFY EXISTING CONTROLLER CABINET.docx	Modify Existing Controller Cabinet	E 05/22/02 R 07/01/15
TRF\	895.02	TS-REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.docx	Remove Existing Traffic Signal Equipment	E 05/22/02 R 07/01/15
TRF\	895.03	TS-MODIFY EXISTING TYPE D FOUNDATION.docx	Modify Existing Type "D" Foundation	E 01/01/02 R 07/01/15
TRF\	895.04	TS-REBUILD EXISTING HANDHOLE.docx	Rebuild Existing Handhole	E 01/01/02 R 07/01/15
TRF\	895.05	TS-REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE.docx	Rebuild Existing Handhole To Heavy-Duty Handhole	E 01/01/02 R 07/01/15

**FOLLOWING ARE THE CURRENT BDE SPECIAL PROVISIONS ISSUED BY THE CENTRAL BUREAU OF DESIGN AND ENVIRONMENT. PRELIMINARY AND FINAL SPECIAL PROVISIONS THAT ARE DISTRIBUTED FOR DISTRICT OR OUTSIDE AGENCY REVIEW SHOULD INCLUDE A COPY OF EACH APPLICABLE BDE SPECIAL PROVISION. FINAL SUBMITTAL TO THE CENTRAL OFFICE SHOULD ONLY INCLUDE THE BDE SPECIAL PROVISION CHECK SHEET WITH THE APPLICABLE SPECIAL PROVISIONS CHECKED.**

ZD&E\	20338.doc	TRAINING SPECIAL PROVISIONS	
ZD&E\	34261.doc	RAILROAD PROTECTIVE LIABILITY INSURANCE	E 10/15/75
ZD&E\	50261.doc	BUILDING REMOVAL - CASE I (NON-FRIABLE AND FRIABLE ASBESTOS ABATEMENT)	E 12/01/86 R 01/01/06 E 09/01/90 R 04/01/10
ZD&E\	50481.doc	BUILDING REMOVAL - CASE II (NON-FRIABLE ASBESTOS ABATEMENT)	E 09/01/90 R 04/01/10
ZD&E\	50491.doc	BUILDING REMOVAL - CASE III (FRIABLE ASBESTOS ABATEMENT)	E 09/01/90 R 04/01/10
ZD&E\	50531.doc	BUILDING REMOVAL - CASE IV (NO ASBESTOS)	E 09/01/90 R 04/01/10
ZD&E\	80029.doc	DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION	E 09/01/00 R 01/02/16
ZD&E\	80045.doc	MATERIAL TRANSFER DEVICE	E 06/15/99 R 08/01/14
ZD&E\	80071.doc	WORKING DAYS	E 01/01/02
ZD&E\	80099.doc	ACCESSIBLE PEDESTRIAN SIGNALS (APS)	E 04/01/03 R 01/01/14
ZD&E\	80127.doc	STEEL COST ADJUSTMENT	E 04/02/04 R 07/01/15
ZD&E\	80157.doc	RAILROAD PROTECTIVE LIABILITY INSURANCE (5 AND 10)	E 01/01/06
ZD&E\	80165.doc	MOISTURE CURED URETHANE PAINT SYSTEM	E 11/01/06 R 01/01/10
ZD&E\	80173.doc	BITUMINOUS MATERIALS COST ADJUSTMENTS	E 11/2/06 R 07/01/15
ZD&E\	80192.doc	AUTOMATED FLAGGER ASSISTANCE DEVICES	E 01/01/08
ZD&E\	80198.doc	COMPLETION DATE (VIA CALENDAR DAYS)	E 04/01/08
ZD&E\	80199.doc	COMPLETION DATE (VIA CALENDAR DAYS) PLUS WORKING DAYS	E 04/01/08
ZD&E\	80229.doc	FUEL COST ADJUSTMENT	E 04/01/09 R 07/01/15

## SPECIAL PROVISIONS CHECK LIST

Generated 4/18/16 – Revised 5/9/16

Designer:  
Contract No.:

FAP:  
Section:  
County:

ZD&E\	80241.doc	BRIDGE DEMOLITION DEBRIS	E 07/01/09
ZD&E\	80246.doc	HOT-MIX ASPHALT - DENSITY TESTING OF LONGITUDINAL JOINTS	E 01/01/10 R 04/01/2016
ZD&E\	80261.doc	CONSTRUCTION AIR QUALITY-DIESEL RETROFIT	E 06/01/10 R 11/01/14
ZD&E\	80274.doc	AGGREGATE SUBGRADE IMPROVEMENT	E 04/01/12 R 04/01/16
ZD&E\	80277.doc	CONCRETE MIX DESIGN - DEPARTMENT PROVIDED	E 01/01/12 R 04/01/16
ZD&E\	80288.doc	WARM MIX ASPHALT	E 01/01/12 R 04/01/16
ZD&E\	80289.doc	WET REFLECTIVE THERMOPLASTIC PAVEMENT MARKING	E 01/01/12 R 04/01/16
ZD&E\	80293.doc	CONCRETE BOX CULVERTS WITH SKEWS > 30 DEGREES AND DESIGN FILLS ≤ 5 FEET	E 01/01/12 E 04/01/12 R 07/01/16
ZD&E\	80298.doc	PAVEMENT MARKING TAPE TYPE IV	E 04/01/16
ZD&E\	80300.doc	PREFORMED PLASTIC PAVEMENT MARKING TYPE D - INLAID	E 04/01/12 R 04/01/16
ZD&E\	80302.doc	WEEKLY DBE TRUCKING REPORTS	E 06/02/12 R 04/02/15
ZD&E\	80304.doc	GROOVING FOR RECESSED PAVEMENT MARKINGS	E 11/01/12 R 08/01/14
ZD&E\	80306.doc	RECLAIMED ASPHALT PAVEMENT AND RECLAIMED ASPHALT SHINGLES	E 11/01/12 R 04/01/16
ZD&E\	80311.doc	CONCRETE END SECTIONS FOR PIPE CULVERTS	E 01/01/13 R 04/01/16
ZD&E\	80317.doc	SURFACE TESTING OF HOT-MIX ASPHALT OVERLAYS	E 01/01/13 R 04/01/16
ZD&E\	80318.doc	TRAVERSABLE PIPE GRATE	E 01/01/13 R 04/01/14
ZD&E\	80328.doc	PROGRESS PAYMENTS	E 11/02/13
ZD&E\	80336.doc	LONGITUDINAL JOINT AND CRACK PATCHING	E 04/01/14 R 04/01/16
ZD&E\	80338.doc	PORTLAND CEMENT CONCRETE PARTIAL DEPTH HOT-MIX ASPHALT PATCHING	E 04/01/14 R 04/01/16
ZD&E\	80340.doc	SPEED DISPLAY TRAILER	E 04/02/14 R 04/01/16
ZD&E\	80342.doc	MECHANICAL SIDE TIE BAR INSERTER	E 08/01/14 R 04/01/16
ZD&E\	80347.doc	HOT-MIX ASPHALT - PAY FOR PERFORMANCE USING PERCENT WITHIN LIMITS - JOBSITE SAMPLING	E 11/01/14 R 04/01/16
ZD&E\	80349.doc	PAVEMENT MARKING BLACKOUT TAPE	E 11/01/14 R 04/01/16
ZD&E\	80353.doc	PORTLAND CEMENT CONCRETE INLAY OR OVERLAY	E 01/01/15 R 04/01/16
ZD&E\	80355.doc	TEMPORARY CONCRETE BARRIER	E 01/01/15 R 07/01/15
ZD&E\	80358.doc	EQUAL EMPLOYMENT OPPORTUNITY	E 04/01/15
ZD&E\	80359.doc	PORTLAND CEMENT CONCRETE BRIDGE DECK CURING	E 04/01/15 R 07/01/16
ZD&E\	80360.doc	COARSE AGGREGATE QUALITY	E 07/01/15
ZD&E\	80361.doc	OVERHEAD SIGN STRUCTURES - CERTIFICATION OF METAL FABRICATOR	E 11/01/15 R 04/01/16
ZD&E\	80362.doc	STEEL SLAG IN TRENCH BACKFILL	E 01/01/16
ZD&E\	80363.doc	ENGINEER'S FIELD OFFICE	E 04/01/16
ZD&E\	80364.doc	ERRATA FOR THE 2016 STANDARD SPECIFICATIONS	E 04/01/16
ZD&E\	80365.doc	PEDESTRIAN PUSH-BUTTON	E 04/01/16
ZD&E\	80366.doc	BUTT JOINTS	E 07/01/16
ZD&E\	80367.doc	LIGHT POLES	E 07/01/16
ZD&E\	80368.doc	LIGHT TOWER	E 07/01/16
ZD&E\	80369.doc	MAST ARM ASSEMBLY AND POLE	E 07/01/16
ZD&E\	80370.doc	MECHANICAL SPLICERS	E 07/01/16
ZD&E\	80371.doc	PAVEMENT MARKING REMOVAL	E 07/01/16
ZD&E\	80372.doc	PREVENTIVE MAINTENANCE - BITUMINOUS SURFACE TREATMENT (A-1)	E 01/01/09 R 07/01/16
ZD&E\	80373.doc	PREVENTIVE MAINTENANCE - CAPE SEAL	E 01/01/09 R 07/01/16
ZD&E\	80374.doc	PREVENTIVE MAINTENANCE - MICRO-SURFACING	E 01/01/09 R 07/01/16
ZD&E\	80375.doc	PREVENTIVE MAINTENANCE - SLURRY SEAL	E 01/01/09 R 07/01/16

BY ORDER  
 BOARD OF COUNTY COMMISSIONERS  
 THE COUNTY OF COOK  
 SHANNON E. ANDREWS  
 CHIEF PROCUREMENT OFFICER  
 JOHN J. YONAN, P.E.  
 SUPERINTENDENT OF DEPARTMENT OF TRANSPORTATION AND HIGHWAYS  
 DEFINITION OF TERMS

**PLANS.** The plans herein referred to are those prepared by the County Superintendent of Department of Transportation and 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 April 1, 2016. The Supplemental Specifications are those prepared by the Department of Transportation of the State of Illinois.

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

### ABOUT REQUESTS FOR PLANS & PROPOSALS

The Specification can be downloaded at <http://legacy.purchasing/public/index.php> (follow online instructions to register, if you have not already). When the plans are not included in the bid document on the http site, you must also download the Plans (Drawings) at <ftp://highwayftp.cookcountyil.gov> (user name: highwaypublic; password: fpt3st!).

### INFORMATION for BIDDERS

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



8) 1 original proposal and 2 copies of the proposal are to be submitted. The following completed documents are to be submitted in the ORIGINAL Submittal

Joint Venture Forms (when applicable)	1 original
Bituminous Materials Cost Adjustments (when applicable)	1 original
IDOT Certificate of Eligibility	copy
IDOT Affidavit of Availability	copy
MBE/WBE Utilization Plan	copy
Letter of Intent from MBE/WBE to Perform as Subcontractor, Supplier and/or Consultant	copy
Petition for Reduction/Waiver of MBE/WBE Participation Goals	original
MBE/WBE Certification Letters (Current)	copy
Identification of Subcontractor/Supplier/Sub consultant	original
Veteran's Workplace Preference Public Works Contracts	original
Contractor Certifications	original
Economic and Other Required Disclosures Lobby, Local Business Preference, Real Estate Ownership	original
Affidavit of Child Support Obligations	original
Disclosure of Ownership Interest Statement	original
Familial Relationship Disclosure Provision	original
Affidavit for Wage Theft Ordinance	original
Certification Concerning Labor Standards And Prevailing Wage Requirements	original
Subcontractors Certification Concerning Labor Standards and Prevailing Wage Requirements	original
Execution Pages:	
Sole Proprietor Signature Page	3 originals
Partnership and/or Joint Venture Signature Page	3 originals
Corporation Signature Page	3 originals
Bid Deposit Form	original
Proposal Bid Bond	original
Surety Statement of Qualifications	original

The following documents are to be submitted within fourteen (14) calendar days of Notice of Acceptance:

Performance and Payment Bond	1 original
Certificates of Insurance evidencing:	
Worker's Compensation and Employer's Liability	1 original
Commercial General Liability	1 original
Commercial Automobile Liability	1 original
Excess Liability	1 original
Contractor's Pollution Liability	1 original (if required)
Railroad Protective Liability (when applicable)	1 original
Trust Agreement	1 original

Coalition of Unionized Public Employees "COUPE" form

1 original

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

**Cook County Department of Transportation and Highways  
Contract Documents  
69 West Washington Street  
Suite 2400  
Chicago, IL 60602**

**SPECIAL PROVISION  
FOR  
BIDDING REQUIREMENTS AND CONDITIONS FOR CONTRACT PROPOSALS**

**Qualification of Bidders**

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

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

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

**Interpretation of Quantities in the Bid Schedule**

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

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

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

The bidder shall take no advantage of any error or omission in the bid documents and advertised contract. Any prospective bidder who desires an explanation or interpretation of the plans, specification, or any of the contract documents shall request such in writing from the Awarding Authority in sufficient time to allow a written reply by the Awarding Authority that can reach all prospective bidders before the submission of their bids. Any reply given a prospective bidder concerning any of the contract documents, plans, and specifications will be furnished to all prospective bidders in the form determined by the Awarding Authority including, but not limited to, an addendum, if the information is deemed by the Awarding Authority to be necessary in submitting bids or if the Awarding Authority concludes the information would aid competition. Oral explanations, interpretations, or instructions given before the submission of bids unless at a prebid conference will not be binding on the Awarding Authority.

**Changes in Improvement**

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

### Preparation of the Bid

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

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

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

### Rejection of Bids

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

- a) More than one bid for same work from an individual, firm partnership, or corporation under the same name or different names.
- b) Evidence of collusion among bidders.
- c) Unbalanced bids in which the bid prices for some items are, in the judgment of the Awarding Authority, out of proportion to the bid prices for other items.
- d) If the bid does not contain a unit price for each pay item listed except in the case of authorized alternate pay items or lump sum pay items.
- e) If the bid form is other than that furnished by the Awarding Authority; or if the form is altered or any part thereof is detached.
- f) If there are omissions, erasures, alterations unauthorized additions, conditional or alternate bids, or irregularities of any kind which may tend to make the bid incomplete, indefinite or ambiguous as to its meaning.
- g) If the bidder adds any provisions reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
- h) If the proposal is not accompanied by the proper bid guaranty.
- i) If the bid is prepared with other than ink or typewriter, or otherwise fails to meet the requirement of the above "Preparation of Proposal" section.
- j) Lack of Competency and adequate machinery, plant, and other equipment, as revealed by the financial statement and experience questionnaires required in the prequalification procedures.
- k) Uncompleted work which, in the judgment of the Awarding Authority, might hinder or prevent the prompt completion of additional work awarded.
- l) False information provided on a bidder's "Affidavit of Availability".

- m) Failure to pay, or satisfactorily settle, all bills due for labor and material on former contracts in force at the time of issuance of bid forms.
- n) Failure to comply with any prequalification regulations of the Department.
- o) Default under previous contracts.
- p) Unsatisfactory performance record as shown by past work for the Awarding Authority, judged from the standpoint of workmanship and progress.
- q) When the contractor is suspended from eligibility to bid at a public letting where the contract is awarded by, or requires approval of, the Department.
- r) When any agent, servant, or employee of the prospective bidder currently serves as a member, employee, or agent of a governmental body that is financially involved in the proposal work.
- s) When any agent, servant, or employee of the perspective bidder has participated in the preparation of plans or specifications for the proposed work.

**Bid Guaranty**

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

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

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

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

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

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

#### Delivery of Bids

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

#### Withdrawal of Bids

Bidder may withdraw their bid prior to bid opening.

#### Public Opening of Bids

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

#### Consideration of Bids

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

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

#### Awarding of Contract

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

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

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

**Requirement of Contract Bond**

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

**Failure to Execute Contract**

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

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

**SPECIAL PROVISION  
FOR  
PRE-BID MEETING**

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

Date: **Tuesday, December 13, 2016**

Time: 11:30 a.m.

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



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

1. **Prevailing Wages.** All wages paid by the contractor and each subcontractor shall be in compliance with The Prevailing Wage Act (820 ILCS 130), as amended, except where a prevailing wage violates a federal law, order, or ruling, the rate conforming to the federal law, order, or ruling shall govern. The Illinois Department of Labor publishes the prevailing wage rates on its website at [www.state.il.us/agency/idol/rates.rates.htm](http://www.state.il.us/agency/idol/rates.rates.htm). If the Illinois Department of Labor revises the prevailing wage rates, the revised prevailing wage rates on the Illinois Department of Labor's website shall apply to this contract and the contractor will not be allowed additional compensation on account of said revisions. The contractor shall review the wage rates applicable to the work of the contract at regular intervals in order to ensure the timely payment of current wage rates. The contractor agrees that no additional notice is required. The contractor shall be responsible to notify each subcontractor of the wage rate set forth in this contract and any revisions thereto.
2. **Payroll Records.** The contractor and each subcontractor shall make and keep, for a period of not less than five years from the date of the last payment on a contract or subcontract, records of all laborers, mechanics, and other workers employed by them on the project; the records shall include information required by 820 ILCS 13/5 for each worker. Upon seven (7) business days' notice, the contractor and each subcontractor shall make available for inspection and copying at a location within this State during reasonable hours, the payroll records to the public body in charge of the project, its officers and agents, the Director of Labor and his deputies and agents, and to federal, State, or local law enforcement agencies and prosecutors.
3. **Submission of Payroll Records.** The contractor and each subcontractor shall, no later than the 15<sup>th</sup> day of each calendar month, file a certified payroll for the immediately preceding month with public body in charge of the project, except that the full social security number and home address shall not be included on weekly transmittals. Instead the payrolls shall include an identification number for each employee (E.g., the last four digits of the employee's social security). The certified payroll shall consist of a complete copy of the payroll records except starting and ending times of work each day may be omitted.

The certified payroll shall be accompanied by a statement signed by the contractor or subcontractor or an officer, employee, or agent of the contractor or subcontractor which avers that: (i) he or she has examined the certified payroll records required to be submitted by the Act and such records are true and accurate; (ii) the hourly rate paid to each worker is not less than the general prevailing rate of hourly wages required; and (iii) the contractor or subcontractor is aware that filing a certified payroll that he or she knows to be false is a Class A misdemeanor.

All certified payroll records required to be submitted pertaining to Cook County Department of Transportation and Highway contracts should be submitted to the following address:

Chief Engineer – Construction Bureau  
Cook County Department of Transportation and Highways  
69 West Washington Street – 23<sup>rd</sup> Floor  
Chicago, IL 60602

4. **Employees Interviews.** The contractor and each subcontractor shall permit his/her employees to be interviewed on the job, during working hours, by compliance investigators of the Department of Labor.

# Cook County Prevailing Wage for July 2015

(See explanation of column headings at bottom of wages)

Trade Name Trng	RG	TYP	C	Base	FRMAN	M-F>8	OSA	OSH	H/W	Pensn	Vac
ASBESTOS ABT-GEN 0.500	ALL			39.400	39.950	1.5	1.5	2.0	13.98	10.72	0.000
ASBESTOS ABT-MEC 0.720	BLD			36.340	38.840	1.5	1.5	2.0	11.47	10.96	0.000
BOILERMAKER 0.400	BLD			47.070	51.300	2.0	2.0	2.0	6.970	18.13	0.000
BRICK MASON 1.030	BLD			43.780	48.160	1.5	1.5	2.0	10.05	14.43	0.000
CARPENTER 0.630	ALL			44.350	46.350	1.5	1.5	2.0	11.79	16.39	0.000
CEMENT MASON 0.480	ALL			43.750	45.750	2.0	1.5	2.0	13.05	14.45	0.000
CERAMIC TILE FNSHER 0.770	BLD			36.810	0.000	1.5	1.5	2.0	10.55	9.230	0.000
COMM. ELECT. 0.750	BLD			40.000	42.800	1.5	1.5	2.0	8.670	12.57	1.100
ELECTRIC PWR EQMT OP 0.460	ALL			46.100	51.100	1.5	1.5	2.0	10.76	14.87	0.000
ELECTRIC PWR GRNDMAN 0.370	ALL			37.050	52.500	1.5	2.0	2.0	8.630	12.28	0.000
ELECTRIC PWR LINEMAN 0.480	ALL			47.500	52.500	1.5	2.0	1.5	11.06	15.75	0.000
ELECTRICIAN 1.000	ALL			45.000	48.000	1.5	1.5	2.0	13.83	15.27	0.000
ELEVATOR CONSTRUCTOR 0.600	BLD			50.800	57.150	2.0	2.0	2.0	13.57	14.21	4.060
FENCE ERECTOR 0.300	ALL			37.340	39.340	1.5	1.5	2.0	13.05	12.06	0.000
GLAZIER 0.940	BLD			40.500	42.000	1.5	2.0	2.0	13.14	16.99	0.000
HT/FROST INSULATOR 0.720	BLD			48.450	50.950	1.5	1.5	2.0	11.47	12.16	0.000
IRON WORKER 0.350	ALL			44.200	46.200	2.0	2.0	2.0	13.65	21.14	0.000
LABORER 0.500	ALL			39.200	39.950	1.5	1.5	2.0	13.98	10.72	0.000
LATHER 0.630	ALL			44.350	46.350	1.5	1.5	2.0	11.79	16.39	0.000
MACHINIST 0.000	BLD			45.350	47.850	1.5	1.5	2.0	7.260	8.950	1.850
MARBLE FINISHERS 0.620	ALL			32.400	34.320	1.5	1.5	2.0	10.05	13.75	0.000
MARBLE MASON 0.780	BLD			43.030	47.330	1.5	1.5	2.0	10.05	14.10	0.000
MATERIAL TESTER I 0.500	ALL			29.200	0.000	1.5	1.5	2.0	13.98	10.72	0.000
MATERIALS TESTER II 0.500	ALL			34.200	0.000	1.5	1.5	2.0	13.98	10.72	0.000

MILLWRIGHT 0.630	ALL	44.350	46.350	1.5	1.5	2.0	11.79	16.39	0.000
OPERATING ENGINEER 1.250	BLD 1	48.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900
OPERATING ENGINEER 1.250	BLD 2	46.800	52.100	2.0	2.0	2.0	17.55	12.65	1.900
OPERATING ENGINEER 1.250	BLD 3	44.250	52.100	2.0	2.0	2.0	17.55	12.65	1.900
OPERATING ENGINEER 1.250	BLD 4	42.500	52.100	2.0	2.0	2.0	17.55	12.65	1.900
OPERATING ENGINEER 1.250	BLD 5	51.850	52.100	2.0	2.0	2.0	17.55	12.65	1.900
OPERATING ENGINEER 1.250	BLD 6	49.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900
OPERATING ENGINEER 1.250	BLD 7	51.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900
OPERATING ENGINEER 1.250	FLT 1	53.600	53.600	1.5	1.5	2.0	17.10	11.80	1.900
OPERATING ENGINEER 1.250	FLT 2	52.100	53.600	1.5	1.5	2.0	17.10	11.05	1.900
OPERATING ENGINEER 1.250	FLT 3	46.400	53.600	1.5	1.5	2.0	17.10	11.80	1.900
OPERATING ENGINEER 1.250	FLT 4	38.550	53.600	1.5	1.5	2.0	17.10	11.80	1.900
OPERATING ENGINEER 1.250	FLT 5	55.100	53.600	1.5	1.5	2.0	17.10	11.80	1.900
OPERATING ENGINEER 1.250	FLT 6	35.000	35.000	1.5	1.5	2.0	16.60	11.05	1.900
OPERATING ENGINEER 1.250	HWY 1	46.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900
OPERATING ENGINEER 1.250	HWY 2	45.750	50.300	1.5	1.5	2.0	17.55	12.65	1.900
OPERATING ENGINEER 1.250	HWY 3	43.700	50.300	1.5	1.5	2.0	17.55	12.65	1.900
OPERATING ENGINEER 1.250	HWY 4	42.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900
OPERATING ENGINEER 1.250	HWY 5	41.100	50.300	1.5	1.5	2.0	17.55	12.65	1.900
OPERATING ENGINEER 1.250	HWY 6	49.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900
OPERATING ENGINEER 1.250	HWY 7	47.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900
ORNAMNTL IRON WORKER 0.650	ALL	45.000	47.500	2.0	2.0	2.0	13.55	17.94	0.000
PAINTER 0.770	ALL	41.750	46.500	1.5	1.5	1.5	11.50	11.10	0.000
PAINTER SIGNS 0.000	BLD	33.920	38.090	1.5	1.5	1.5	2.600	2.710	0.000
PILEDRIIVER 0.630	ALL	44.350	46.350	1.5	1.5	2.0	11.79	16.39	0.000
PIPEFITTER 1.780	BLD	46.000	49.000	1.5	1.5	2.0	9.000	15.85	0.000
PLASTERER 1.020	BLD	43.430	46.040	1.5	1.5	2.0	13.05	14.43	0.000
PLUMBER 0.880	BLD	46.650	48.650	1.5	1.5	2.0	13.18	11.46	0.000

ROOFER 0.530	BLD	41.000	44.000	1.5	1.5	2.0	8.280	10.54	0.000
SHEETMETAL WORKER 0.720	BLD	42.230	45.610	1.5	1.5	2.0	10.53	20.68	0.000
SIGN HANGER 0.000	BLD	31.310	33.810	1.5	1.5	2.0	4.850	3.280	0.000
SPRINKLER FITTER 0.550	BLD	49.200	51.200	1.5	1.5	2.0	11.75	9.650	0.000
STEEL ERECTOR 0.350	ALL	42.070	44.070	2.0	2.0	2.0	13.45	19.59	0.000
STONE MASON 1.030	BLD	43.780	48.160	1.5	1.5	2.0	10.05	14.43	0.000
<del>SURVEY WORKER</del> 12.97 9.930 0.000 0.500	->NOT IN EFFECT	ALL	37.000	37.750	1.5	1.5	2.0		
TERRAZZO FINISHER 0.720	BLD	38.040	0.000	1.5	1.5	2.0	10.55	11.22	0.000
TERRAZZO MASON 0.940	BLD	41.880	44.880	1.5	1.5	2.0	10.55	12.51	0.000
TILE MASON 0.990	BLD	43.840	47.840	1.5	1.5	2.0	10.55	11.40	0.000
TRAFFIC SAFETY WRKR 0.500	HWY	32.750	34.350	1.5	1.5	2.0	6.550	6.450	0.000
TRUCK DRIVER 0.150	E ALL 1	35.480	35.680	1.5	1.5	2.0	8.350	10.50	0.000
TRUCK DRIVER 0.150	E ALL 2	34.100	34.500	1.5	1.5	2.0	8.150	8.500	0.000
TRUCK DRIVER 0.150	E ALL 3	34.300	34.500	1.5	1.5	2.0	8.150	8.500	0.000
TRUCK DRIVER 0.150	E ALL 4	34.500	34.500	1.5	1.5	2.0	8.150	8.500	0.000
TRUCK DRIVER 0.150	W ALL 1	35.600	35.800	1.5	1.5	1.5	8.250	9.140	0.000
TRUCK DRIVER 0.000	W ALL 2	32.700	33.100	1.5	1.5	2.0	6.500	4.350	0.000
TRUCK DRIVER 0.000	W ALL 3	32.900	33.100	1.5	1.5	2.0	6.500	4.350	0.000
TRUCK DRIVER 0.000	W ALL 4	33.100	33.100	1.5	1.5	2.0	6.500	4.350	0.000
TUCKPOINTER 0.670	BLD	43.800	44.800	1.5	1.5	2.0	8.280	13.49	0.000

Legend: RG (Region)

TYP (Trade Type - All, Highway, Building, Floating, Oil & Chip, Rivers)

C (Class)

Base (Base Wage Rate)

FRMAN (Foreman Rate)

M-F>8 (OT required for any hour greater than 8 worked each day, Mon through Fri.)

OSA (Overtime (OT) is required for every hour worked on Saturday)

OSH (Overtime is required for every hour worked on Sunday and Holidays)

H/W (Health & Welfare Insurance)

Pensn (Pension)

Vac (Vacation)

Trng (Training)

## Explanations

### COOK COUNTY

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

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

#### EXPLANATION OF CLASSES

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

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

#### CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

#### COMMUNICATIONS ELECTRICIAN

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

installation of any incidental conduit, such that the employees covered hereby can complete any job in full.

#### MARBLE FINISHER

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

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

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

#### OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft.; Concrete Paver 27E cu. ft. and Under; Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Heavy Duty Self-Propelled Transporter or Prime Mover; 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; Operation of Tie Back Machine; 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; Laser Screed; 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 (remodeling or renovation work); 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.

Class 4. Bobcats and/or other Skid Steer Loaders; Oilers; and Brick Forklift.

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

#### 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; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dredges; Elevators, Outside type Rack & Pinion and Similar Machines; 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; Heavy Duty Self-Propelled Transporter or Prime Mover; Hydraulic Backhoes; Backhoes with shear attachments up to 40' of boom reach; 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; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Operation of Tieback Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with

Boom; Tractaire with Attachments; Traffic Barrier Transfer Machine; Trenching; 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; Hydro Excavating (excluding hose work); Laser Screed; All Locomotives, Dinky; Off-Road Hauling Units (including articulating) 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; Self-Propelled Compactor; Spreader - Chip - Stone, etc.; Scraper - Single/Twin Engine/Push and Pull; Scraper - Prime Mover in Tandem (Regardless of Size); Tractors pulling attachments, 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.; 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); Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Vacuum Trucks (excluding hose work); Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. SkidSteer Loader (all); Brick Forklifts; Oilers.

Class 6. Field Mechanics and Field Welders

Class 7. Dowell Machine with Air Compressor; Gradall and machines of like nature.

#### OPERATING ENGINEER - FLOATING

Class 1. Craft Foreman; Master Mechanic; Diver/Wet Tender; Engineer; Engineer (Hydraulic Dredge).

Class 2. Crane/Backhoe Operator; Boat Operator with towing endorsement; Mechanic/Welder; Assistant Engineer (Hydraulic Dredge);

Leverman (Hydraulic Dredge); Diver Tender.

Class 3. Deck Equipment Operator, Machineryman, Maintenance of Crane (over 50 ton capacity) or Backhoe (115,000 lbs. or more); Tug/Launch Operator; Loader/Dozer and like equipment on Barge, Breakwater Wall, Slip/Dock, or Scow, Deck Machinery, etc.

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

Class 5. Friction or Lattice Boom Cranes.

Class 6. ROV Pilot, ROV Tender

SURVEY WORKER - Operated survey equipment including data collectors, G.P.S. and robotic instruments, as well as conventional levels and transits.

#### 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.

#### MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

Notwithstanding the difference in the classification title, the classification entitled "Material Tester I" involves the same job duties as the classification entitled "Material Tester/Inspector I". Likewise, the classification entitled "Material Tester II" involves the same job duties as the classification entitled "Material Tester/Inspector II".

**SPECIAL PROVISION  
for  
COALITION OF UNIONIZED PUBLIC EMPLOYEES "COUPE"**

**Based on the source of funding, the following applies:**

The Cook County Board of Commissioners has entered into an Agreement with the Coalition of Unionized Public Employees ("COUPE"). To the extent permitted by law, in the event the County either directly or indirectly through a contractor or construction manager, undertakes construction work within the trade jurisdiction of a member of COUPE, each affected coalition union shall receive fourteen (14) days written notice prior to the County's undertaking, except in the case of emergency, the County shall perform or require the performance of such work by a person, firm, or company signatory or willing to become signatory for purposes of that County project to an existing labor agreement with the coalition union or a union with the appropriate trade jurisdiction located in County of Cook.

**SPECIAL PROVISION  
FOR  
ALTERNATE PROPOSAL**

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

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

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

**ORDINANCE**

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

**SPECIAL PROVISION  
FOR  
RESPONSIBLE BIDDER REQUIREMENT**

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

Laborers - 2, 68, 76 & 118

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Operators - 150

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Cement Masons- 11 & 502

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Teamsters - 731 & 786

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

**MINORITY AND WOMEN BUSINESS ENTERPRISES**  
**COOK COUNTY ORDINANCE CHAPTER 34, DIVISION 8, SECTION 34-260 to SECTION 34-300**

**I. POLICY AND GOALS**

- A. It is the policy of the County of Cook to prevent discrimination in the award of or participation in County contracts and to eliminate arbitrary barriers for participation, as both prime and sub-contractors, in such contracts by local businesses certified as Minority Business Enterprises (MBE) and Women owned Business Enterprises (WBE). In furtherance of this policy, the Cook County Board of Commissioners has adopted a Minority and Women owned Business Enterprise Ordinance (the "Ordinance") which establishes goals as outlined below:

Contract Type	Goals	
	MBE	WBE
Goods and Services	25%	10%
Construction	24%	10%
Professional Services	35% Overall	

- B. **The County may set contract specific goals for each contract, based on the commodities or services specified in this bid document. The MBE/WBE percentages required for this contract are 10% MBE and 5% WBE.** A Bid or Quotation shall be rejected if the County determines that a Bid or Quotation fails to comply with this provision, including but not limited to, commitments to achieve for this contract, the MBE/ WBE goals of the contract amount or to include a Petition for Reduction/Waiver documenting why the goals are not attainable despite the contractor's Good Faith Efforts. A Bid or Quotation may be rejected and a new Bid or Quotation may be solicited if the public interest is served thereby. Unless otherwise specified in the Bid or Quotation Documents, for purposes of this provision, the contract amount is the amount that has been entered on the Proposal page of the Bid or Quotation Documents.
- C. Except to the extent that a Bid or Quotation includes a Reduction/Waiver request, the contract MBE and WBE participation goals may be achieved by the Bid or Quotation entities' status as a MBE or WBE; by entering into a joint venture with one or more MBEs and/or WBEs; by subcontracting a portion of the work to one or more MBEs and WBEs; by establishing and carrying out a mentor/protégé agreement; by the Indirect Participation of one or more MBEs and WBEs used by the entity submitting a Bid or Quotation in other aspects of its business; or by any combination of the foregoing so long as the Utilization Plan evidences a commitment to the MBE and WBE contract goals set forth in (B) above.
- D. The same Business Enterprise, whether as a contractor, subcontractor or supplier, cannot be utilized as both a MBE and a WBE on the same contract.
- E. To the extent that the Ordinance does not apply to this Bid or Quotation, unless specifically waived in the Bid or Quotation Documents, this provision and the wording of the Ordinance shall apply. If there is a conflict between this provision and the Ordinance or the wording of the Ordinance, the Ordinance or its wording controls.
- F. A Contractor's failure to carry out its commitments in the course of the Contract's performance shall constitute a material breach of the Contract and if such breach is not appropriately cured, may result in the termination of the Contract or such remedy authorized by the Ordinance as the County deems appropriate.



**MINORITY AND WOMEN BUSINESS ENTERPRISES**  
**COOK COUNTY ORDINANCE CHAPTER 34, DIVISION 8, SECTION 34-260 to SECTION 34-300**

**II. REQUIRED BID OR QUOTATION SUBMITTALS**

To be considered responsive, a Bid or Quotation shall meet the MBE and WBE goals by submitting a Utilization Plan with the Bid or Quotation, which shall be (1) supported by Letters of Intent from the MBEs and WBEs together with the MBEs/WBEs **current** Letters of Certification, and/or (2) include a written Petition for Reduction/Waiver with the Bid or Quotation supported by documentation of Good Faith Efforts to meet the goals. Failure to submit the documents set forth in (A) and (B) of this Section II in accordance with these guidelines will cause the Bid or Quotation to be considered non-responsive and shall be cause to reject the Bid or Quotation.

**A. MBE/WBE Utilization Plan**

Each Bid or Quotation shall include with the Bid or Quotation a complete Utilization Plan. The Utilization Plan shall list the names, mail and email addresses, telephone number and contact persons of businesses intended to be used as MBEs and WBEs on the Contract. If the entity submitting a Bid or Quotation, or any of its subcontractors, suppliers or consultants, are certified MBEs or WBEs they shall be identified as an MBE or WBE within the Utilization Plan.

**1. Letter(s) of Intent**

Except as set forth below, a Bid or Quotation shall include with its Utilization Plan, Letter(s) of Intent executed by each MBE and WBE included in the Utilization Plan and by the entity submitting the Bid or Quotation, which sets forth that each MBE and WBE intends to perform as a subcontractor, supplier, joint venture partner and/or consultant on the contract. The Letters of Intent must accurately detail the work to be performed by the MBE or WBE firm and the agreed rates and/or prices to be paid. Failure to submit all Letter(s) of Intent as required may result in the Contract Compliance Director's determination that a Bid or Quotation is not responsive and shall be cause to reject the Bid or Quotation.

All commitments made by a Bid or Quotation in its Utilization Plan must conform to those included in the submitted Letter(s) of Intent. The Contract Compliance Administrator reserves the right to request supplemental information regarding the Letter(s) of Intent submitted with a Bid or Quotation and such information shall be furnished. (Reference Economic Disclosure Section for a format sample of a Letter of Intent)

**2. Letter(s) of Certification**

Only **current** Letters of Certification from one of the following entities may be accepted as certification of MBE/WBE status:

- County of Cook
- City of Chicago (NOTE: firms certified by the City of Chicago in any area other than Construction must complete and submit a Personal Net Worth/Size Standard Affidavit. This form can be downloaded online at [www.cookcountyil.gov/contractcompliance](http://www.cookcountyil.gov/contractcompliance) )

or any other governmental body or agency approved by the Contract Compliance Director as applying certification standards substantially similar to those applied by the County of Cook may also be accepted.

The Contract Compliance Director retains the right to reject the certification of any MBE or WBE on the ground that it does not meet the County's definition of a MBE or WBE.

**MINORITY AND WOMEN BUSINESS ENTERPRISES**  
**COOK COUNTY ORDINANCE CHAPTER 34, DIVISION 8, SECTION 34-260 to SECTION 34-300**

3. **Joint Venture Affidavit**

In the event a Bid or Quotation achieves MBE and/or WBE participation by entering into a Joint Venture, the Bid or Quotation shall include the required Joint Venture Affidavit which can be downloaded online at [www.cookcountylil.gov/contractcompliance](http://www.cookcountylil.gov/contractcompliance) ). Such Joint Venture Affidavit shall be submitted with the Bid or Quotation along with **current** Letter(s) of Certification.

B. **Reduction/Waiver Petition**

In the event a Bid or Quotation is unable to meet the applicable contract MBE and WBE participation goals, the Bid or Quotation must include a Petition for Reduction/Waiver and submit the Petition with its Bid or Quotation. The Petition for Reduction/Waiver shall be supported with evidence and sufficient documentation to demonstrate the Bid's or Quotation's Good Faith Efforts in attempting to achieve the applicable MBE and WBE goals. Failure to submit a Petition for Reduction of Waiver as required may result in the Contract Compliance Director's determination that a Bid or Quotation is not responsive and shall be cause to reject the Bid or Quotation.

III. **REDUCTION/WAIVER OF MBE/WBE GOALS**

A. **Granting a Reduction/Waiver Request.**

1. The determination of the adequacy of the Good Faith Efforts to utilize MBEs and WBEs in a Bid or Quotation will be evaluated on the basis of the actions in attempting to achieve MBE and WBE participation goals set forth in the Bid or Quotation. Examples of actions constituting Good Faith Efforts for a Bid or Quotation are set forth within the Ordinance and in the "Petition for Reduction/Waiver of MBE/WBE Participation Goals" contained in the Bid or Quotation Documents.
2. The Contract Compliance Director may grant the Petition for Reduction/Waiver based upon the following criteria: (a) sufficient qualified MBEs and WBEs capable of providing the goods or services required by the contract are unavailable despite the good faith efforts of the contractor; (b) the specifications and the reasonable and necessary requirements for performing the contract make it impossible or economically infeasible to divide the contract into sufficiently small tasks or quantities to enable the contractor to utilize MBEs and WBEs in accordance with the applicable goals; (c) the price(s) required by any potential MBE or WBE is more than 10% above competitive levels; and (d) any other factor determined to be relevant by the Contract Compliance Director.

B. **Denying a Reduction/Waiver Request.**

1. If the Contract Compliance Director determines that a Bid or Quotation has not demonstrated adequate Good Faith Efforts to meet the applicable contract MBE and WBE goals, the Contract Compliance Director may deny a Petition for Reduction/Waiver and declare the Bid or Quotation non-responsive and recommend rejection of the Bid or Quotation.
2. Failure to undertake and/or to document adequate Good Faith Efforts shall be cause to deny a Petition for Reduction/Waiver. Determination of the adequacy of a Bid's or Quotation's Good Faith Effort will be evaluated on the basis of the Bid's or Quotation's actions as of the date of the Bid or Quotation opening.

**MINORITY AND WOMEN BUSINESS ENTERPRISES**  
**COOK COUNTY ORDINANCE CHAPTER 34, DIVISION 8, SECTION 34-260 to SECTION 34-300**

**IV. CHANGES IN CONTRACTOR'S UTILIZATION PLAN**

- A. Contractor, during its performance of the Contract, may not change the MBE or WBE commitments specified in its Utilization Plan, including but not limited to, terminating a MBE or WBE contract, reducing the scope of the work to be performed by a MBE/WBE, or decreasing the price to a MBE/WBE, except as otherwise provided by the Ordinance.
- B. Where an enterprise under the Contract was previously considered to be a MBE or WBE but is later found not to be, or work is found not to be creditable toward the MBE or WBE goals as stated in the Utilization Plan, the Contractor shall seek to discharge the disqualified enterprise, upon proper written notification to the Contract Compliance Administrator, and make every effort to identify and engage a qualified MBE or WBE as its replacement. Failure to obtain a MBE or WBE replacement within 30 working days of the Contract Compliance Administrator's written approval of the removal of a MBE or WBE may result in the termination of the contract or the imposition of such remedy authorized by the Ordinance, unless a written Petition for Reduction/Waiver is granted to Contractor allowing Contractor to award the work to a non-MBE or WBE.

**V. NON-COMPLIANCE**

If the County determines that the Contractor has failed to comply with its contractual commitments or any portion of the Ordinance or this provision, the Contract Compliance Administrator will notify the Contractor of such noncompliance and may take any and all appropriate actions as set forth within the Ordinance.

**VI. REPORTING/RECORD-KEEPING REQUIREMENTS**

The Contractor is required to comply with the reporting and record-keeping requirements as set forth in the Ordinance and as established by the Contract Compliance Administrator. Upon award of a Contract, Contractor is responsible for acquiring all necessary County reporting and record-keeping forms which will be made available in the Office of Contract Compliance.

**VII. EQUAL EMPLOYMENT OPPORTUNITY**

Compliance with MBE and WBE requirements will not diminish or supplant Equal Employment Opportunity and Civil Rights provisions as required by law as they relate to contractor and subcontractor obligations.

Any questions regarding this section should be directed to:

Office of Contract Compliance  
 118 North Clark Street, Room 1020  
 Chicago, Illinois 60602  
 (312) 603-5502

Assist Agencies

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 Bureau of Local Roads and Streets  
 201 West Center Court  
 Schaumburg, IL 60196  
 847-705-4795  
 847-705-4203 (Fax)  
[Moud.Ahmad@illinois.gov](mailto:Moud.Ahmad@illinois.gov)

Perry Nakachi  
 President  
 Association of Asian Construction Enterprises  
 333 North Ogden Avenue  
 Chicago, IL 60607  
 312-563-0746  
 Fax: 312-666-1785  
[nakmancorp@aol.com](mailto:nakmancorp@aol.com)

Carnice Carey  
 Executive Director  
 Cosmopolitan Chamber of Commerce  
 1455 South Michigan Avenue  
 Chicago, IL 60605  
 312-499-0611  
[ccarey@cosmochamber.com](mailto:ccarey@cosmochamber.com)

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

ILLINOIS ROAD BUILDERS  
 500 Park Boulevard  
 Itasca, IL 60143  
 630-773-1220  
 630-773-1231 (FAX)  
[Liz@irtba.org](mailto:Liz@irtba.org)  
[Annette@irtba.org](mailto:Annette@irtba.org)

TARGET GROUP, INC.  
 330 South Wells Street  
 Suite 400  
 Chicago, IL 60606  
 312-873-0200  
 312-873-0299 (FAX)  
[sgbwacz@targetgroupinc.com](mailto:sgbwacz@targetgroupinc.com)

Ms. Sheila Hill Morgan  
 Executive Director  
 CHICAGO MINORITY SUPPLIER DEVELOPEMTN COUNCIL (C.M.S.D.C.)  
 105 West Adams  
 Chicago, IL 60603  
 312-755-8880  
 312-755-8890 (FAX)

[shillmorgan@chicagomsc.org](mailto:shillmorgan@chicagomsc.org)

Victor Davis  
Contractor Development Program  
CHICAGO URBAN LEAGUE  
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773-285-7772 (FAX)  
[twatley@thechicagourbanleague.org](mailto:twatley@thechicagourbanleague.org)

Ms. Beth Doria  
FEDERATION of WOMEN CONTRACTORS  
5650 South Archer Avenue  
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312-360-1122  
312-360  
[fwcchicago@aol.com](mailto:fwcchicago@aol.com)

Ms. Pricilla Torrence  
Director  
INDUSTRIAL COUNCIL of NEARWEST  
2023 West Carroll Avenue  
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312-421-3941  
312-421-1871 (FAX)  
[priscella@industrialcouncil.com](mailto:priscella@industrialcouncil.com)

D. Lorenzo Padron  
Director of Procurement  
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3512 West Fullerton Avenue  
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773-252-7065 (FAX)  
[randrade@latinamericanchamberofcommerce.com](mailto:randrade@latinamericanchamberofcommerce.com)

Mr. Frank Aguilar  
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312-521-5387 (FAX)  
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 312-373-3571 (FAX)  
[mturner@rainbowpush.org](mailto:mturner@rainbowpush.org)

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 312-561-3507 (FAX)  
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#### Cook County Departments

Cook County Office of the Chief Procurement Officer  
 118 N. Clark Street – Room 1018  
 Chicago, Illinois 60602  
 312-603-6729

Cook County Department of Transportation and Highways  
 Contract Documents Administrator  
 69 W. Washington Street – Suite 2400  
 Chicago, Illinois 60602  
 312-603-1830

Cook County Office of Contract Compliance  
 118 North Clark Street  
 10<sup>th</sup> Floor  
 Chicago, Illinois 60602  
 312-603-5370

COOK COUNTY  
DEPARTMENT OF TRANSPORTATION AND HIGHWAYS  
SPECIAL PROVISION  
FOR  
SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES  
NONFEDERAL-AID CONTRACTS

**1) General**

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

**2) Equal Employment Opportunity Policy**

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

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

**3) Equal Employment Opportunity Officer**

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

**4) Dissemination of Policy**

- a) All members of the contractor's staff who are authorized to hire, supervise, promote and discharge employees, or who recommend such action, or who are substantially involved in such action, will

be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide Equal Employment Opportunity in each grade and classification of employment, to ensure that the above agreement will be met, the following actions will be taken as a minimum:

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

## 5) Recruitment

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

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



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

## 6) Personnel Actions

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

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

## 7) Training and Promotion

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

## Unions

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

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

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

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

- a) The contractor shall notify all potential subcontractors and suppliers of his/her EEO obligation under this contract.
- b) Minority and Women Owned Business Enterprises, 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 M/WBE subcontractors or subcontractors with meaningful minority and female representation among their employees.

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

**9) Records and reports**

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

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

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

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

**APPENDIX A.**

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

Goal	Goal (Percentage)
Female Utilization	6.9

**APPENDIX B**

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

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

These goals are applicable to all the contractor's construction work (whether or not it is federal or federally assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and nonfederally involved construction. The contractor's compliance with executive order and the regulations in 41 cfr part 60-4 shall be based on its implementation of the equal opportunity clause, specific affirmative action obligations required by the provisions and specifications set forth in its federally assisted contracts, and its efforts to meet the goals established for the geographical area where the contract resulting from this solicitation is to be performed. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority 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 or other training by any recruitment source, the contractor shall send written notifications such as the above, describing the openings, screening procedures, and test to be used in the selection process.
- j) Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of a contractor's workforce.
- k) Validate all tests and other selection requirements here there is an obligation to do so under 41 cfr part 60-3.
- l) Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.

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



- 13) The contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the contractor fails to comply with the requirements of the executive order, the implementing regulations, or these specifications, the director shall proceed in accordance with 41 cfr 60-4.8.
- 14) The contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being out, to submit reports relating to provisions hereof as may be required by the government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction assigned, social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or laborer), dates of changes of status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors shall not be required to maintain separate records.
- 15) Nothing herein provided shall be construed as a limitation upon the application of other laws which establish standards of compliance or upon the application requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

**SPECIAL PROVISION**  
**FOR**  
**INSURANCE REQUIREMENTS**  
**TOWNSHIP, VILLAGE, CITY**

The cost to the Contractor for providing this insurance coverage shall be considered as included in the cost of the contract.

Nothing contained in these insurance requirements is to be construed as limiting the extent of the Contractor's responsibility for payment of damages resulting from its operations under this Contract.

Contractor shall require all subcontractors to provide the insurance required in this Agreement, or Contractor may provide said coverage for subcontractors. All Subcontractors are subject to the same insurance requirements as Contractor except paragraph (D) Umbrella/Excess Liability or unless specified otherwise.

The Contractor shall be solely responsible for any deductible or self-insured retention for any policy provided by the Contractor.

The Cook County Department of Risk Management maintains the right to modify, delete, alter or change these requirements.

The Contractor shall maintain insurance as set forth below.

A. Workers Compensation Insurance

In accordance with the Laws of the State of Illinois and including Employer's Liability Insurance with limits not less than the following:

The Workers Compensation policy shall also include the following provisions:

Bodily Injury by accident	\$1,000,000 each accident
Bodily Injury by Disease	\$1,000,000 policy limit
Bodily Injury by Disease	\$1,000,000 each employee

B. Commercial General Liability Insurance

For bodily injury, personal injury and property damage on an occurrence form (ISO Form CG 0001 or equivalent) with limits not less than the following:

Each Occurrence	\$1,000,000
General Aggregate per Project	\$2,000,000
Products – Completed Operations Aggregate	\$2,000,000

- i) All Premises and Operations.
- ii) Explosion, collapse and underground damage.
- iii) Contractual liability for the obligations assumed in the Indemnification and Hold Harmless agreement.
- iv) Contractor's Protective coverage for independent contractors and subcontractors employed by Contractor.

The policy shall contain (i) ISO Additional Insured Endorsements CG 20 10 07 04 and CG 20 37 07 04 or equivalent, and (ii) severability of interest/separation of insured clause. The products and completed operations coverage (including ISO Endorsement CG 2037 or equivalent) must be maintained for a period of three years after final acceptance of the Project.

C. Commercial Automobile Liability Insurance

For bodily injury and property damage arising from the ownership, maintenance or use of owned, hired and non-owned vehicles (ISO Form CA 00 01 or equivalent) with a limit no less than \$1,000,000 per accident.

D. Umbrella/Excess Liability

The policy shall be excess over Commercial General Liability, Automobile Liability, and Employer's Liability with limits not less than the following amounts:

Each Occurrence:	\$5,000,000
General Aggregate per Project:	\$5,000,000

Additional Insured

The required insurance policies, with the exception of Workers Compensation, shall name **Cook County, its officials and employees and the Village of Schaumburg, their officials, directors and employees as additional insured** on a primary and non-contributory basis. The Commercial General Liability policy shall specifically include **ISO Additional Insured Endorsements CG 20 10 07 04 and CG 20 37 07 04 or equivalent**. No other form will be accepted without prior approval of the Cook County Department of Risk Management. Any insurance or self-insurance maintained by the additional insured shall be excess of the Contractor's insurance and shall not contribute with it. If Contractor maintains broader coverage and/or higher limits than the minimums shown above, the additional insured requires and shall be entitled to the broader coverage and/or higher limits maintained by Contractor.

All liability policies shall entirely delete ISO endorsements CG 21 39 10 93 or similar

endorsement or policy provision which limit contractual liability.

As part of the provisions and requirement for this project, other entities may be required to be added as an "additional insured" on the liability insurance of the Contractor. The Contractor shall ensure these entities are included as additional insured.

#### **Waiver of Subrogation Endorsements**

All insurance policies must contain a Waiver of Subrogation Endorsement in favor of Cook County and all additional insured.

#### **Qualification of Insurers**

All insurers must possess an A.M. Best rating of A- VII or better and be authorized to do business in Illinois. The insurance limits required herein may be satisfied by a combination of primary, umbrella and/or excess liability insurance policies. Companies with ratings lower than (A-) or VII will be acceptable only upon written consent of Superintendent of Transportation and Highways. Upon written request from the Superintendent of Transportation and Highways, Contractor must supply certified copies of the required insurance policies within ten (10) days.

#### **Certificates of Insurance**

Within fourteen (14) days of notification of award, the Contractor must provide properly completed certificates of insurance on Acord forms which evidence of the required insurance. The certificates must specifically list each of the required additional insured and specify that Waiver of Subrogation Endorsements apply. The certificates must be accompanied by the required Commercial General Liability ISO Additional Insured Endorsements CG 20 10 07 04, CG 20 37 07 04 (or equivalent).

The receipt of any certificate of insurance does not constitute agreement by the County that the insurance requirements have been fully met or that the insurance policies indicated on the certificate of insurance are in compliance with the insurance required above. Coverage shall be in companies subject to approval of the County.

In no event shall any failure of the County to receive certificates of insurance required hereof or to demand receipt of such Certificates of Insurance be construed as a waiver of Contractor's obligations to obtain insurance pursuant to these insurance requirements. The certificates shall also include the following: **The coverage and limits conform to the minimum required by Article 107.27 of the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction.**

#### **Notice of Cancellation or Non-Renewal**

Contractor shall provide the Superintendent of Highways and Transportation with thirty (30) days advance written notice in the event any required insurance will be cancelled, materially reduced or non-renewed. Contractor shall secure replacement coverage to comply with the stated insurance requirements and provide new certificates of insurance to the Superintendent of Transportation and 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.

**Property Insurance**

Contractor is responsible for all loss or damage to personal property (including materials, equipment, tools and supplies) owned, rented or used by Contractor.

**SPECIAL PROVISION  
FOR  
INDEMNIFICATION FOR COOK COUNTY**

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

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

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

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

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

**SPECIAL PROVISION  
FOR  
INDEMNIFICATION FOR LOCALS**

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

Village of Schaumburg

SPECIAL PROVISION  
FOR  
JOINT VENTURES

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

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



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

Copies of all required Joint Venture Forms are attached.

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

### JOINT VENTURE FORMS

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



Firm #3 \_\_\_\_\_

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

Firm #1 \_\_\_\_\_ Firm #2 \_\_\_\_\_ Firm #3 \_\_\_\_\_

has attached statement indicating the relationship of the firms.

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

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

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

**Firm #1**  
 Name \_\_\_\_\_ Title \_\_\_\_\_  
 (Print)

Signature (Proprietor, Partner, Officer or Director) \_\_\_\_\_

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

Notary Public \_\_\_\_\_ My commission expires on \_\_\_\_\_

**Firm #2**  
 Name \_\_\_\_\_ Title \_\_\_\_\_  
 (Print)

Signature (Proprietor, Partner, Officer or Director) \_\_\_\_\_

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

Notary Public \_\_\_\_\_ My commission expires on \_\_\_\_\_

**Firm #3**  
 Name \_\_\_\_\_ Title \_\_\_\_\_  
 (Print)

Signature (Proprietor, Partner, Officer or Director) \_\_\_\_\_

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

Notary Public \_\_\_\_\_ My commission expires on \_\_\_\_\_

This form must be submitted with the bid.



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

Bid Proposal Submission Date: \_\_\_\_\_

Item No.: \_\_\_\_\_

Joint Venture Name: \_\_\_\_\_

Managing Party: \_\_\_\_\_

**Firm #1**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

**Firm #2**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

**Firm #3**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

**Instructions:**

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

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

Fencing	_____	_____	_____
Guardrail	_____	_____	_____
Grouting	_____	_____	_____
Painting	_____	_____	_____
Signing	_____	_____	_____
Paint Pavement Marking	_____	_____	_____
Thermoplastic Pavement Marking	_____	_____	_____
Epoxy Pavement Marking	_____	_____	_____
Installation of Raised Pavement Markers	_____	_____	_____
Pavement Texturing & Surface Removal	_____	_____	_____
Cold Milling, Planning & 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)

Notary Public \_\_\_\_\_ My commission expires on \_\_\_\_\_

**Firm #2**  
Name \_\_\_\_\_ Title \_\_\_\_\_  
(Print)

Signature (Proprietor, Partner, Officer or Director) \_\_\_\_\_

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

Notary Public \_\_\_\_\_ My commission expires on \_\_\_\_\_

**Firm #3**  
Name \_\_\_\_\_ Title \_\_\_\_\_  
(Print)

Signature (Proprietor, Partner, Officer or Director) \_\_\_\_\_

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

Notary Public \_\_\_\_\_ My commission expires on \_\_\_\_\_

This form must be submitted with the bid.

SPECIAL PROVISION  
FOR  
PROPOSAL AGREEMENTS  
ADDENDUM RECEIPT

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

Addendum No. 1  
Dated DEC. 20TH, 2016

Addendum No. \_\_\_\_\_  
Dated \_\_\_\_\_

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.



OFFICE OF THE CHIEF PROCUREMENT OFFICER

**SHANNON E. ANDREWS**

CHIEF PROCUREMENT OFFICER

118 North Clark Street, Room 1018 • Chicago, Illinois 60602 • (312) 603-5370

**TONI PRECKWINKLE**

PRESIDENT

Cook County Board  
of Commissioners

RICHARD R. BOYKIN

1st District

ROBERT STEELE

2nd District

JERRY BUTLER

3rd District

STANLEY MOORE

4th District

DEBORAH SIMS

5th District

EDWARD M. MOODY

6th District

JESUS G. GARCIA

7th District

LUIS ARROYO, JR.

8th District

PETER N. SILVESTRI

9th District

BRIDGET GAINER

10th District

JOHN P. DALEY

11th District

JOHN A. FRITCHEY

12th District

LARRY SUFFREDIN

13th District

GREGG GOSLIN

14th District

TIMOTHY O. SCHNEIDER

15th District

JEFFREY R. JOBOLSKI

16th District

SEAN M. MORRISON

17th District

**ADDENDUM NO. 1**

**December 20, 2016**

**Roselle Road at Schaumburg Road**

**Section: 14-V6039-02-TL**

**for**

**Cook County Department of Transportation and Highway**

**Contract No. 1685-15811**

To: Interested Vendors of Record

**A. General:**

This addendum revises the above-referenced solicitation. This addendum is issued prior to execution of the contract, forms a part of contract documents and modifies previously issued documents. Insofar as previously issued contract documents are inconsistent with modifications indicated by this addendum, modifications indicated by this addendum shall govern. Where any part of the contract documents are modified by this addendum, all unaltered provisions shall remain in effect.

**B. Acknowledgement:**

Acknowledge receipt of this addendum in the space provided on the bid form on the proposal pages. Failure to do so will subject bidder to disqualification.

**C. Attachments:**

The addendum includes attachments described in this addendum. One copy of each attachment is issued with this addendum, unless otherwise indicated. Insert the attachment(s) in the solicitation document in the correct sequence and location. Revise your response to this solicitation to reflect the modifications per this addendum, as applicable.

- Attachment 1: Pre-Bid meeting Sign in Sheet (2 pages)

*Lillian Lee*

ORIGINATED BY:  
Lillian Lee  
Contract Negotiator

*Shannon E. Andrews*

SHANNON E. ANDREWS  
CHIEF PROCUREMENT OFFICER

**Pre-Bid Mtg. Sign-In Sheet – December 13, 2016  
69 West Washington, Suite 2260 at 11:30 AM  
Contract #1685-15811 – Roselle Road at Schaumburg Road**

Attendee Name: John Gleason  
 Company Name: GLECO Contractors  
 Company Address: 1100 S. Mt Pleasant  
 Telephone: 847-635-7800  
 Fax: 847-635-7825  
 E-Mail: ALEVO@GLECOContractors.com  
 Please print clearly

Attendee Name: BOB NELSON  
 Company Name: MEADE ELECTRIC CO.  
 Company Address: \_\_\_\_\_  
 Telephone: (708) 243-2346  
 Fax: \_\_\_\_\_  
 E-Mail: BOB@MEADE100.COM  
 Please print clearly

Attendee Name: Jacqueline Willard  
 Company Name: PATH Construction  
 Company Address: 125 E. Algonquin Rd  
Arlington Heights, Illinois  
 Telephone: 847-398-7100  
 Fax: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_  
 Please print clearly

Attendee Name: \_\_\_\_\_  
 Company Name: \_\_\_\_\_  
 Company Address: \_\_\_\_\_  
 Telephone: \_\_\_\_\_  
 Fax: \_\_\_\_\_  
 E-Mail: \_\_\_\_\_  
 Please print clearly



**LARRY KUEHNE**

11916 W. Main St.  
 P.O. Box 1104  
 Huntley, IL 60142  
 Cell 224/760-1486  
 Office 847/669-5474  
 Fax 847/669-5529  
 Larry@GoLandmark.com  
 www.landmarkcontractors.com

Email: estimating@go.landmark.com

{Business Card}



**Jacqueline Willard**  
 Project Coordinator



**Paul Sowa**  
 Highway Manager

Path Central Corporation  
 125 E. Algonquin Road  
 Arlington Heights, IL 60005

Office: 847-398-7100 x221  
 Cell: 847-997-9147  
 Fax: 847-398-7101  
 E-mail: psowa@pathcc.com



**Richard Jezierny**  
 Division Head  
 Mechanical, Electrical, Architectural & Landscaping Division  
 Design Bureau

**Cook County Highway Department**  
 George W. Dunne, Cook County Building  
 69 W. Washington Street, Suite 2100  
 Chicago, Illinois 60602

Phone (312) 603-1730  
 Fax (312) 693-9856  
 Rich.Jezierny@cookcountyil.gov



Pre-Bid Mtg. Sign-In Sheet – December 13, 2016  
69 West Washington, Suite 2260 at 11:30 AM  
Contract #1685-15811 – Roselle Road at Schaumburg Road

Attendee Name: Faith Loy  
Company Name: Cook County  
Company Address: 69 W. Washington  
23rd Floor  
Telephone: (312) 603-1729  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_  
Please print clearly

{Business Card}

Attendee Name: \_\_\_\_\_  
Company Name: \_\_\_\_\_  
Company Address: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_  
Please print clearly



Civiltech Engineering, Inc.  
www.civiltechinc.com  
Two Pierce Place, Suite 1400  
Itasca, IL 60143  
Phone: 630.773.3900  
Fax: 630.773.3976

Christopher T. Braband, P.E.  
cbraband@civiltechinc.com  
Direct: 630.735.7153

*DO NOT CONSULT*

Attendee Name: \_\_\_\_\_  
Company Name: \_\_\_\_\_  
Company Address: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_  
Please print clearly

{Business Card}

Attendee Name: \_\_\_\_\_  
Company Name: \_\_\_\_\_  
Company Address: \_\_\_\_\_  
Telephone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
E-Mail: \_\_\_\_\_  
Please print clearly

{Business Card}

**SPECIAL PROVISION  
FOR  
COMBINATION BIDDING PROCESS**

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

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

PROJECT	SECTION	WORKING DAYS	CALENDAR DAYS
---------	---------	--------------	---------------

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

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

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

The following provisions shall govern combination bidding:

- 1) A Combination Bid which is submitted for 2 or more proposals and awarded on that basis shall have the bid prorated against each proposal in proportion to the bid submitted for each proposal.
- 2) Separate contracts shall be executed for each proposal included in the combination.
- 3) The proposal guaranties which accompany the individual proposals making up the combination will be considered as also covering the Combination Bid.
- 4) The completion date for all contracts awarded on a Combination Bid shall be the latest completion date designated for any one or more of the contracts included in the combination, unless otherwise provided in the contract.

- 5) Contracts awarded in combination for the projects above shall have the WORKING DAYS revised to \_\_\_\_\_WORKING DAYS; and the CALENDAR DAYS revised to \_\_\_\_\_CALENDAR DAYS. The "Daily deduction" rate in the Traffic Control Deficiency Deduction Special Provision shall be based on the REVISED CALENDAR DAYS stated above.
- 6) The Contractor, at his option, may start one project or all projects. WORKING DAYS then shall start as specified in Article 108.04 of the Standard Specifications for Road and Bridge Construction and shall continue from that day forward until all projects are completed.
- 7) An extension of time for any one or more contracts awarded on a Combination Bid shall automatically extend all contracts awarded on the combination.
- 8) In the event the Contractor fails to complete any one or all the contracts on the Combination Bid by the contract completion date plus any authorized extension, or the contract working days plus any authorized extension, the liquidated damages shall be determined from the schedule of deductions for each day of the overrun in the contract time in Article 108.09 in the Standard Specifications for Road and Bridge Construction, based on the Combination Bid total, and shall be computed on the combination and prorated against the 2 or more individual contracts based on the dollar value of each contract.
- 9) The Plans and Special Provisions for each separate contract shall be construed separately for all requirements, except as described in section 1 through 8 listed above.

**SPECIAL PROVISION  
FOR  
PROMPT PAY MECHANISMS (NON FEDERAL AID)**

This contract is subject to the following payment obligations:

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

This Special Provision does not create any rights in favor of any subcontractor against the County of Cook or authorize any cause of action against the County of Cook on account of any payment, nonpayment, delayed payment or interest claimed by application of this Prompt Payment Special Provision. The Cook County Department of Transportation and Highways will neither determine the reasonableness of any cause for delay of payment nor enforce any claim to payment, including interest. Moreover, the Cook County Department of Transportation and Highways 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 Department of Transportation and Highways.

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 Transportation and Highways

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

SPECIAL PROVISION  
FOR  
PRE-CONSTRUCTION CONFERENCE

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

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

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

SPECIAL PROVISION  
FOR  
MOBILIZATION

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

**671 Mobilization.** Revise the Article to read:

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

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

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

**SPECIAL PROVISION  
FOR  
CONTRACT EXTRA WORK**

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

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

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

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



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

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

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

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

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

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

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

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

09-0-36

ORDINANCE

Sponsored by

THE HONORABLE TODD H. STROGER, PRESIDENT

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

COUNTY COMMISSIONERS

Co-Sponsored by

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

JOSEPH MARIO MORENO, DEBORAH SIMS, ROBERT B. STEELE

AND LARRY SUFFREDIN, COUNTY COMMISSIONERS

COOK COUNTY GREEN CONSTRUCTION ORDINANCE

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

ARTICLE IX. GREEN CONSTRUCTION

Sec. 30-950. Board of Commissioners findings.

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

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

**Sec. 30-951. Definitions.**

**CARB** means the California Air Resources Board.

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

**Department** means the Cook County Department of Environmental Control.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**US EPA** means the United States Environmental Protection Agency.

**Verified diesel emission control device** means:

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

Sec. 30-952. Emission reduction.

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

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

#### Sec. 30-953. Costs.

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

#### Sec. 30-954. Compliance.

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

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

#### Sec. 30-955. Enforcement.

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

Sec. 30-956. Regulations.

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

Effective date: This Ordinance shall take effect upon adoption.

Approved and adopted this 19th day of May 2009.

TODD H. STROGER, President

Cook County Board of Commissioners

Attest: DAVID ORR, County Clerk.



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

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

- 1) Contractor shall invoice the County for such Extra Work in accordance with the lump sum price, unit price, or force account as agreed to by the Engineer and Contractor.
- 2) Force account billing for equipment expense shall follow the applicable volume of the Equipment Watch Rental Rate Blue Book (Blue Book). Determination of equipment rates shall follow the IDOT Construction Memorandum 08-09. Also, a copy of the Blue Book calculation for each piece of equipment shall be included with the force account billing.
- 3) Contractor shall submit invoice for such Extra Work after the Extra Work has been fully completed by Contractor within sixty (60) days of completion of the work.
- 4) Within sixty (60) days after receipt of the invoice, the Engineer will review the Contractor's invoice and determine whether the invoice complies with the above. If the Engineer disapproves the invoice, the Engineer shall give Contractor notice of the reasons for such disapproval and the Contractor shall resubmit a corrected invoice for the Engineer's review. The County shall have an additional thirty (30) days to review and determine whether that the corrected invoice complies with the above.
- 5) Once the Engineer determines that the invoice complies with the above, the Engineer shall present a recommendation for change in plan for the specific items of extra work. The Superintendent shall execute a change order for the specific items of extra work and submit such change order to the Cook County Chief Procurement Officer, or where appropriate, to the County Board for approval.
- 6) Within thirty (30) days of the Board's or the Cook County Chief Procurement Officer's approval of the change order, payment shall be reflected under the specific items of extra work completed by the Contractor and the corresponding amount shall be deleted from the Contract Extra Work item.

SPECIAL PROVISION  
FOR  
CONSTRUCTION LAYOUT STAKES AND SURVEY CONTROL POINTS

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

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

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

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

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

RESPONSIBILITY OF THE COUNTY

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

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

### RESPONSIBILITY OF THE CONTRACTOR

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

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

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

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

All payments subject to retainage per the terms of this Contract.

SPECIAL PROVISION  
FOR  
ENGINEER'S FIELD OFFICE

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

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

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

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

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

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

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

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

- (k) One electric hot and cold water dispenser. 5 gallon and 0.5 liter bottles of water shall be supplied to the satisfaction of the Resident Engineer.
- (l) One electric paper shredder capable of shredding a minimum 15 sheets at a time.

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

- (m) Three (3) new cellular phones with the capacity for both cellular call and two (2) way communication (Nextel or equal), established voice mail, hands free adaptors, belt clips and car adaptors. These cellular phones will be for exclusive use by the Engineer and the Engineer's support staff. All of the cellular phones and services must be compatible with each other. Maintenance and operating costs of the cellular phones shall be included.
- (n) One digital camera with 8 megapixel minimum resolution, batteries to operate the camera, USB cable, minimum 8 GB memory card and digital camera case.
- (o) A new upright bagless vacuum cleaner with a hepa-filter or new shop vacuum with a Hepa-Filter and any miscellaneous cleaning supplies necessary for the Engineer to maintain the Field Office.

A weekly cleaning service for the field office shall be provided.

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

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

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

**OFFICE:**

Adjustable Hole Punch, Black ( 3-Hole)	1 Each
Bankers Box, Legal size With String and Button Closure	4 Pack
Binder Clips, Large, 2", Box of 12 Each	2 Each
Binder Clips, Medium, 1 1/4", Box of 12 Each	2 Each
Binder Dividers, Avery index marker or equivalent	1 Each
Binder, Black 1" Capacity	1 Each
Binder, Black, 1-1/2" Capacity	2 Each
Binder, Black, 3" Capacity	1 Each
Calendar, At-A-Glance 3-Month Wall or equivalent	1 Each
Calendar, At-A-Glance Compact Desk Calendar Base and Calendar Refill	1 Each

3" x 3 3/4" or equivalent	
Clipboard, Legal	2 Each
Correction Fluid, Multipurpose, White	1 Each
DVD Cases, Slim Line, 25 Count	1 Pack
DVD Discs, R.W., 25 Count	1 Pack
Folders, Manila 250 Count Letter 1/3 Cut File	1 Box
Highlighters, Assorted Fluorescent Colors, 4 Count	1 Pack
Labels, Multipurpose White 500 Count, 3/4" x 1 1/2"	1 Pack
Letter Trays, Stackable, Pack of 6	1 Each
Markers, Large, Permanent, Black	12 Each
Markers, Sharpie, Black or equivalent	12 Each
Memory Card, 2 Gig SD for Digital Camera	1 Each
OIC, Ideal Clamps, Small Box of 50	2 Each
Paper Clips, Jumbo No. 1, Regular, Box of 100	2 Each
Paper Clips, No. 1, Regular, Box of 100	2 Each
Paper, Quadrille Pad, 8 1/2" x 11"	6 Each
Paper, Standard Canary Letter Pads, 6 Count, 8 1/2" x 11 3/4"	1 Pack
Pen, Black	2 Pack
Pen, Red	1 Pack
Pencil, Lead Refill, 0.5 mm, Tube of 12	2 Each
Pencils, Disposable	2 Pack
Pencils, Color (Green)	1 Pack
Pencils, Color (Orange)	1 Pack
Pencils, Color (Red)	1 Pack
Pencils, Color (Yellow)	1 Pack
Pencils, Pentel Forte or equivalent, Automatic Pencil, 0.5 mm	3 Each

Pencils, Zebra Rubber Sharpo Mechanical Pencil or equivalent	2 Each
Post-It Memo Cubes, 3 7/8" x 3 7/8", Cube of 300 Sheets	1 Each
Post-It Notes, Yellow, 12 Count 3" x 3"	1 Pack
Rubber Bands, #16, 1 lb., 2" x 1/16"	1 Each
Rubber Bands, #32, 1 lb., 3" x 1/8"	1 Each
Scissors, Deskwork's or equivalent	1 Each
Staple Remover, Pinch Type	1 Each
Stapler, Black Deluxe Standard	1 Each
Tape Dispenser	1 Each
Tape, Transparent Refills 3/4"	6 Each

**FIELD:**

Ruler, 6 ft., inch/tenth	6 Each
Tape, 100 ft., Fiberglass with Handle	1 Each
Tape, 25 ft. inch/tenth, Retractable, Lufkin or equivalent	2 Each
Wheel, Measuring English	1 Each

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

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



**SPECIAL PROVISION  
FOR  
CONSTRUCTION DEBRIS**

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

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

SPECIAL PROVISION  
FOR  
CLEAN CONSTRUCTION AND DEMOLITION DEBRIS

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

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

Ms. Holly Cichy  
Chief Engineer of Construction  
Cook County Department of Transportation and Highways  
69 W. Washington St., 23<sup>rd</sup> Floor  
Chicago, IL 60602  
(312) 603-1613

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

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

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

Sta. 143+76.02 to Sta. 144+25.07

Sta. 146+19.08 to Sta. 147+19.08

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

The Contractor is advised to consider the cost of disposing of all clean construction and demolition debris as delineated herein and reflect those costs in their bids for EARTH EXCAVATION or other appropriate items which may include soils removal. Pay items for NON-SPECIAL WASTE DISPOSAL, SPECIAL WASTE DISPOSAL, HAZAROUS WASTE DISPOSAL and SPECIAL WASTE PLANS AND REPORTS

have been included in the Summary of Quantities in order to provide for the disposal of materials in those locations listed above. The requirements for removal and disposal of such materials shall be in accordance with Article 669.



# Illinois Environmental Protection Agency

Page 1 of 2

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

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

Revised in accordance with 35 Ill. Adm. Code 1100, as  
amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

### I. Source Location Information

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

Project Name: Roadway Project Office Phone Number, if available: 312.603.1601

Physical Site Location (address, including number and street):

Roselle Road & Schaumburg Road - See Figures

City: Schaumburg State: IL Zip Code: 60194

County: Cook Township: Schaumburg

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 42.027485 Longitude: -88.080023  
(Decimal Degrees) (-Decimal Degrees)

Identify how the lat/long data were determined:

GPS  Map Interpolation  Photo Interpolation  Survey  Other

IEPA Site Number(s), if assigned: BOL: \_\_\_\_\_ BOW: \_\_\_\_\_ BOA: \_\_\_\_\_

### II. Owner/Operator Information for Source Site

Site Owner

Name: Cook County - Dept of Trans and Hwys  
Street Address: 69 W. Washington St., Rm #2300  
PO Box: \_\_\_\_\_  
City: Chicago State: IL  
Zip Code: 60602-1369 Phone: 312.603.1601  
Contact: John Yonan, P.E. - Superintendent  
Email, if available: \_\_\_\_\_

Site Operator

Name: \_\_\_\_\_  
Street Address: \_\_\_\_\_  
PO Box: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_  
Zip Code: \_\_\_\_\_ Phone: \_\_\_\_\_  
Contact: \_\_\_\_\_  
Email, if available: \_\_\_\_\_

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: Roadway Project

Latitude: 42.027485 Longitude: -88.080023

Uncontaminated Site Certification

**III. Basis for Certification and Attachments**

For each item listed below, reference the attachments to this form that provide the required information.

- a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a):

A limited historical & regulatory review was performed to identify PIPs. Site reconnaissance was performed while sampling to evaluate on-site environmental conditions & potential PIPs. Based on the nature & scope of the project, three soil samples were collected for indicator contaminants associated with identified PIPs and screened with a PID. Figure 2 shows sample locations.

- b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

See attached analytical summary tables, laboratory reports and associated NELAC certification. Figure 2 identifies the project areas that are covered and excluded from this certification.

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

I, Ryan M. LaDieu, P.E. (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

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

Company Name: True North Consultants

Street Address: 1240 Iroquois Avenue, Suite 206

City: Naperville State: IL Zip Code: 60563

Phone: 630.717.2880

Ryan M. LaDieu

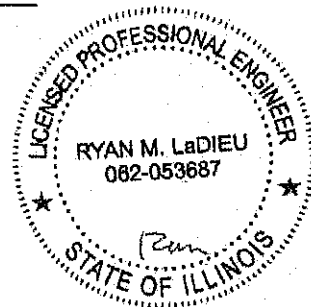
Printed Name:



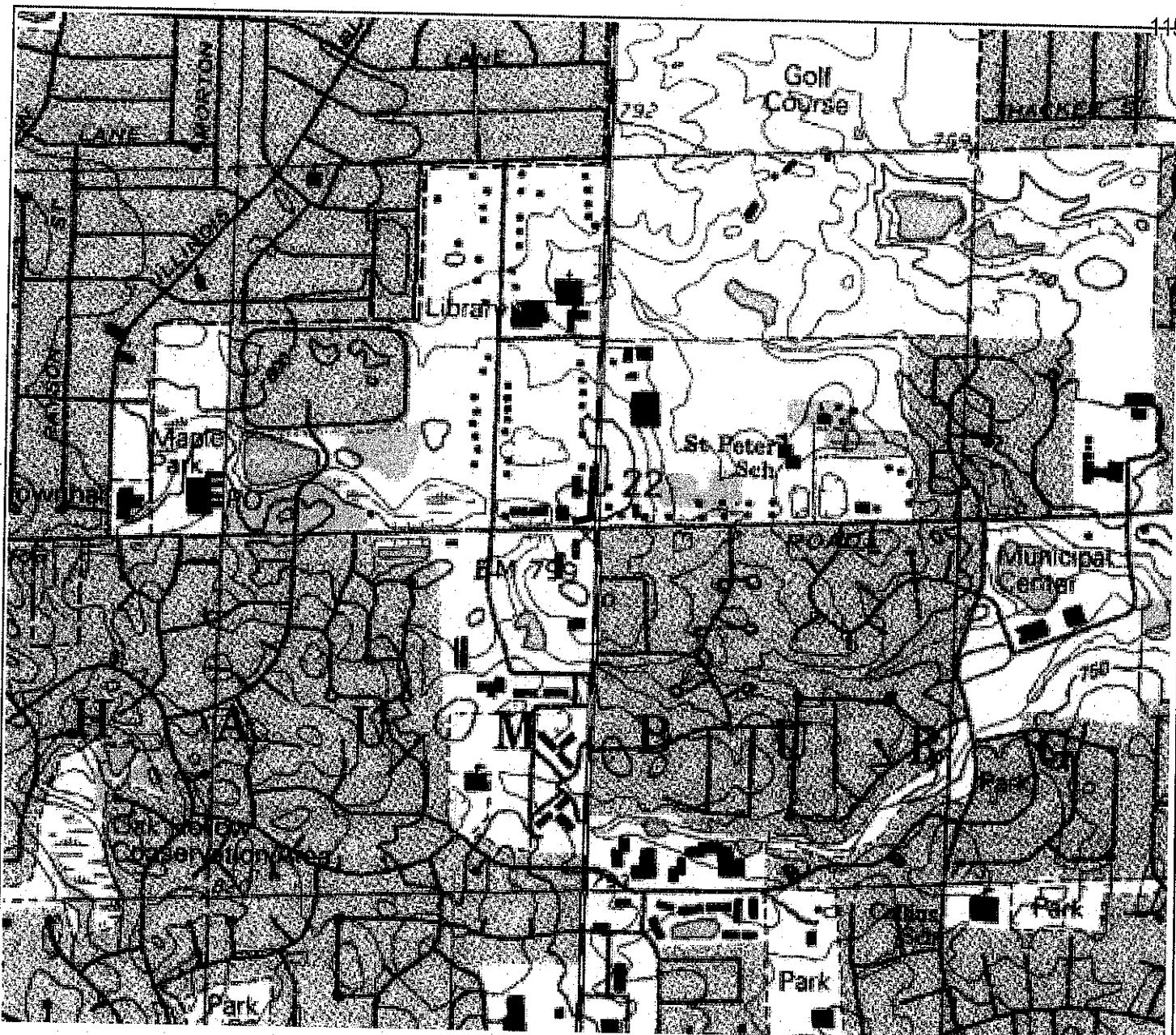
Licensed Professional Engineer or  
Licensed Professional Geologist Signature:

070615

Date:



P.E. or L.P.G. Seal:



1993 STREAMWOOD, ILLINOIS -- TOPOGRAPHIC MAP ADAPTED FROM MYTOPO

————— APPROXIMATE SITE LOCATION

**TRUENORTH**  
CONSULTANTS  
1240 IROQUOIS AVE, SUITE 206  
NAPERVILLE, ILLINOIS 60563

**SITE LOCATION** ROADWAY PROJECT  
INTERSECTION ROSELLE ROAD AND SHAUMBURG ROAD  
SCHAUMBURG, IL 60193

**CLIENT** CIVILTECH ENGINEERING, INC.  
450 E. DEVON AVE., SUITE 300  
ITASCA, IL 60143



NOT TO SCALE

**FIGURE**  
1  
**PROJECT NUMBER**  
TII4697  
**DATE**  
7/6/2015



TABLE I

Summary of Soil Analytical Results - Soil Characterization Sampling

Volatile Organic Compounds (VOCs)

CLIENT: Civitech Engineering

SITE: Roselle Rd. and Schaumburg Rd. Schaumburg, Illinois 60193

PROJECT NUMBER: TII4697

SAMPLE DATE: 11/22/14

LABORATORY: Prairie Analytical Systems, Inc.

MATRIX: Soil

Analytical Method: EPA Method 5035A/8260B

Contaminant of Concern	Maximum Allowable Concentration (MAC) within a Metropolitan Statistical Area (MSA)		Sample ID Sample Date Depth Soil Type	P-2A	P-4A	B-2A
	Value	Objective		11/22/2014	11/22/2014	11/22/2014
				4'-5'	4'-5'	2.5'-3'
			Silty Clay	Silty Clay	Silty Clay	
Acetone	<b>25</b>	MAC		< 0.0702	< 0.0616	NA
Benzene	<b>0.03</b>	MAC		< 0.00702	< 0.00616	< 0.00498
Bromodichloromethane	<b>0.6</b>	MAC		< 0.00702	< 0.00616	NA
Bromoform	<b>0.8</b>	MAC		< 0.00702	< 0.00616	NA
Bromomethane	<b>0.2</b>	MAC		< 0.0140	< 0.0123	NA
2-Butanone	<b>17</b>	MAC		< 0.0140	< 0.0123	NA
Carbon disulfide	<b>9</b>	MAC		< 0.0140	< 0.0123	NA
Carbon tetrachloride	<b>0.07</b>	MAC		< 0.00702	< 0.00616	NA
Chlorobenzene	<b>1</b>	MAC		< 0.00702	< 0.00616	NA
Chloroform	<b>0.3</b>	MAC		< 0.00702	< 0.00616	NA
1,2-Dibromo-3-chloropropane	<b>0.002</b>	MAC		< 0.00140	< 0.00123	NA
Dibromochloromethane	<b>0.4</b>	MAC		< 0.00702	< 0.00616	NA
1,2-Dibromoethane	<b>0.005</b>	MAC		< 0.00281	< 0.00369	NA
1,2-Dichlorobenzene	<b>17</b>	MAC		< 0.00702	< 0.00616	NA
1,4-Dichlorobenzene	<b>2</b>	MAC		< 0.00702	< 0.00616	NA
1,1-Dichloroethane	<b>23</b>	MAC		< 0.00702	< 0.00616	NA
1,2-Dichloroethane	<b>0.02</b>	MAC		< 0.00702	< 0.00616	NA
1,1-Dichloroethylene	<b>0.06</b>	MAC		< 0.00702	< 0.00616	NA
cis-1,2-Dichloroethylene	<b>0.4</b>	MAC		< 0.00702	< 0.00616	NA
trans-1,2-Dichloroethylene	<b>0.7</b>	MAC		< 0.00702	< 0.00616	NA
1,2-Dichloropropane	<b>0.03</b>	MAC		< 0.00702	< 0.00616	NA
cis-1,3-Dichloropropene	<b>0.005</b>	MAC		< 0.00421	< 0.00369	NA
trans-1,3-Dichloropropene	<b>0.005</b>	MAC		< 0.00421	< 0.00369	NA
1,3-Dichloropropene (total)	<b>0.005</b>	MAC		< 0.00421	< 0.00369	NA
Ethylbenzene	<b>15</b>	MAC		< 0.00702	< 0.00616	< 0.00498
Methyl tertiary-butyl ether	<b>0.32</b>	MAC		< 0.00702	< 0.00616	NA
Methylene chloride	<b>0.02</b>	MAC		< 0.00702	< 0.00616	NA
Styrene	<b>4</b>	MAC		< 0.00702	< 0.00616	NA
Tetrachloroethylene	<b>0.06</b>	MAC		< 0.00702	< 0.00616	NA
Toluene	<b>12</b>	MAC		< 0.00702	< 0.00616	< 0.00498
1,1,1-Trichloroethane	<b>2</b>	MAC		< 0.00702	< 0.00616	NA
1,1,2-Trichloroethane	<b>0.02</b>	MAC		< 0.00702	< 0.00616	NA
Trichloroethylene	<b>0.06</b>	MAC		< 0.00702	< 0.00616	NA
Vinyl Acetate	<b>10</b>	MAC		< 0.00702	< 0.00616	NA
Vinyl Chloride	<b>0.01</b>	MAC		< 0.00702	< 0.00616	NA
o-Xylene	<b>6.5</b>	MAC		< 0.00702	< 0.00616	NA
m,p-Xylenes	<b>5.6</b>	MAC		< 0.0140	< 0.0123	NA
Xylenes (total)	<b>5.6</b>	MAC		< 0.021	< 0.0185	< 0.0150

**Notes:**  
 Constituents that are not identified in 35 IAC 1100 Subpart F (MAC Table) are compared to the Metropolitan Statistical Area Background Concentration found in 35 IAC 742 Appendix A, Table H  
 c = Analyte not detected (i.e. less than RL or MDL)  
 All data reported in milligrams per kilogram (mg/kg) unless otherwise noted.  
 NA = This constituent was not analyzed.  
 NE = No remediation objective established by the IEPA for this constituent.  
 Bold identifies an exceedence of the referenced objective.





TABLE 2

Summary of Soil Analytical Results - Soil Characterization Sampling

Polynuclear Aromatic Hydrocarbons (PNAs)

**CLIENT:** Civiltech Engineering  
**SITE:** Roselle Rd. and Schaumburg Rd. Schaumburg, Illinois 60193  
**PROJECT NUMBER:** TD4697

**SAMPLE DATE:** November 22, 2014  
**LABORATORY:** Prairie Analytical Systems, Inc.  
**MATRIX:** Soil

Analytical Method: EPA Method 8270

Contaminant of Concern	Maximum Allowable Concentration (MAC) within a Metropolitan Statistical Area (MSA)		Sample ID	Sample Date			
	Value	Objective		Sample Date	P-2A	P-4A	B-2A
					11/22/2014	11/22/2014	11/22/2014
				4-5'	4-5'	2.5-3'	
				Silty Clay	Silty Clay	Silty Clay	
Acenaphthene	570	MAC		< 0.413	< 0.395	< 0.346	
Anthracene	12000	MAC		< 0.413	< 0.395	< 0.346	
Benzo(a)anthracene	1.8	MAC		< 0.413	< 0.395	< 0.346	
Benzo(b)fluoranthene	2.1	MAC		< 0.413	< 0.395	< 0.346	
Benzo(k)fluoranthene	9.0	MAC		< 0.413	< 0.395	< 0.346	
Benzo(a)pyrene	2.1	MAC		< 0.0743	< 0.0712	< 0.0693	
Benzoic Acid	400	MAC		< 0.413	< 0.395	NA	
Bis(2-chloroethyl)ether	0.66	MAC		< 0.413	< 0.395	NA	
Bis(2-ethylhexyl)phthalate	46	MAC		< 0.413	< 0.395	NA	
Butyl benzyl phthalate	930	MAC		< 0.413	< 0.395	NA	
Carbazole	0.6	MAC		< 0.413	< 0.395	NA	
4-Chloroaniline	0.7	MAC		< 0.413	< 0.395	NA	
2-Chlorophenol	1.5	MAC		< 0.413	< 0.395	NA	
Chrysene	88	MAC		< 0.413	< 0.395	< 0.346	
Di-n-butyl phthalate	2300	MAC		< 0.413	< 0.395	NA	
Di-n-octyl phthalate	1600	MAC		< 0.413	< 0.395	NA	
Dibenz(a,h)anthracene	0.42	MAC		< 0.0743	< 0.0712	< 0.0693	
3,3'-Dichlorobenzidine	1.3	MAC		< 0.0826	< 0.0791	NA	
2,4-Dichlorophenol	0.48	MAC		< 0.248	< 0.237	NA	
Diethyl phthalate	470	MAC		< 0.413	< 0.395	NA	
2,4-Dimethylphenol	9	MAC		< 0.413	< 0.395	NA	
2,4-Dinitrophenol	3.3	MAC		< 0.186	< 0.178	NA	
2,4-Dinitrotoluene	0.25	MAC		< 0.124	< 0.119	NA	
2,6-Dinitrotoluene	0.26	MAC		< 0.124	< 0.119	NA	
Fluoranthene	3100	MAC		< 0.413	< 0.395	< 0.346	
Fluorene	660	MAC		< 0.413	< 0.395	< 0.346	
Hexachlorobenzene	0.4	MAC		< 0.124	< 0.119	NA	
Hexachlorocyclopentadiene	1.1	MAC		< 0.413	< 0.395	NA	
Hexachloroethane	0.5	MAC		< 0.248	< 0.237	NA	
Indeno(1,2,3-cd)pyrene	1.6	MAC		< 0.413	< 0.395	< 0.346	
Isophorone	8	MAC		< 0.413	< 0.395	NA	
2-Methylphenol	15	MAC		< 0.413	< 0.395	NA	
Naphthalene	1.8	MAC		< 0.413	< 0.395	< 0.346	
Nitrobenzene	0.25	MAC		< 0.0929	< 0.0890	NA	
N-Nitroso-di-n-propylamine	0.0018	MAC		< 0.000739	< 0.000708	NA	
N-Nitrosodiphenylamine	1	MAC		< 0.413	< 0.395	NA	
Pentachlorophenol	0.02	MAC		< 0.0124	< 0.0119	NA	
Phenol	100	MAC		< 0.413	< 0.395	NA	
Pyrene	2300	MAC		< 0.413	< 0.395	< 0.346	
1,2,4-Trichlorobenzene	5	MAC		< 0.413	< 0.395	NA	
2,4,5-Trichlorophenol	26	MAC		< 0.413	< 0.395	NA	
2,4,6-Trichlorophenol	0.66	MAC		< 0.186	< 0.178	NA	

**Notes:**  
 Constituents that are not identified in 35 IAC 1100 Subpart F (MAC Table) are compared to the Metropolitan Statistical Area Background Concentration found in 35 IAC 742 Appendix A, Table H  
 < = Analyte not detected (i.e. less than RL or MDL)  
 All data reported in milligrams per kilogram (mg/kg) unless otherwise noted.  
 NA = This constituent was not analyzed.  
 NE = No remediation objective established by the IEPA for this constituent.  
 Bold identifies an exceedance of the referenced objective.

TABLE 4

Summary of Soil Analytical Results - Soil Characterization Sampling

Resource Conservation Recovery Act (RCRA) Metals

CLIENT: Civiltech Engineering

SITE: Roselle Rd. and Schaumburg Rd. Schaumburg, Illinois 60193

PROJECT NUMBER: T114697

SAMPLE DATE: November 22, 2014

LABORATORY: Prairie Analytical Systems, Inc.

MATRIX: Soil

Analytical Method: EPA Method 6020

Contaminant of Concern	Value	Objective	Sample ID	P-2A		P-4A		B-2A	
				Sample Date	11/22/2014	Sample Date	11/22/2014	Sample Date	11/22/2014
Maximum Allowable Concentration (MAC) within a Metropolitan Statistical Area (MSA)				7.9	8	7.9			
pH				Yes	Yes	Yes			
6.25 ≤ pH < 9.0				4-5'	4-5'	2.5-5'			
Depth				Silty Clay	Silty Clay	Silty Clay			
Soil Type				14.3	14.2	9.4			
Arsenic	13	MAC		39.5	77.2	69			
Barium	1,500	MAC		0.645	0.825	0.64			
Cadmium	5.2	MAC		21.8	26.6	26.2			
Chromium	21	MAC		16.6	32	16			
Lead	107	MAC		< 0.0903	< 0.0988	< 0.0955			
Mercury	0.89	MAC		< 0.564	0.722	< 0.597			
Selenium	1.3	MAC		< 0.564	< 0.617	< 0.597			
Silver	4.4	MAC							

Notes:

Constituents that are not identified in 35 IAC 1100 Subpart F (MAC Table) are compared to the Metropolitan Statistical Area Background Concentration found in 35 IAC 742 Appendix A, Table H

ε = Analyte not detected (i.e. less than RL or MDL)

All data reported in milligrams per kilogram (mg/kg) unless otherwise noted.

NA = This constituent was not analyzed.

NE = No remediation objective established by the IEPA for this constituent.

Bold identifies an exceedance of the referenced objective.



TABLE 4

Summary of Soil Analytical Results - Soil Characterization Sampling

Resource Conservation Recovery Act (RCRA) Metals

CLIENT: Civiltch Engineering

SITE: Roselle Rd. and Schaumburg Rd., Schaumburg, Illinois 60193

PROJECT NUMBER: T114697

SAMPLE DATE: November 22, 2014

LABORATORY: Prairie Analytical Systems, Inc.

MATRIX: Soil

Analytical Method: EPA Method 6020

Contaminant of Concern	Maximum Allowable Concentration (MAC) within a Metropolitan Statistical Area (MSA)	Sample ID		Sample Date		Depth		Soil Type		Objective Value
		P-2A	P-4A	11/22/2014	11/22/2014	4-5'	4-5'	Silty Clay	Silty Clay	
		8-2A		11/22/2014	11/22/2014	2.5-5'		Silty Clay	NA	
Arsenic	0.05	SCOG	NA	NA	NA	NA	NA	NA	NA	NA
Barium	2	SCOG	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium	0.005	SCOG	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	0.1	SCOG	0.0949	NA	NA	NA	NA	0.0149	NA	NA
Lead	0.0075	SCOG	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	0.002	SCOG	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	0.05	SCOG	NA	NA	NA	NA	NA	NA	NA	NA
Silver	0.05	SCOG	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Constituents that are not identified in 35 IAC 1100 Subpart F (MAC Table) are compared to the Metropolitan Statistical Area Background Concentration found in 35 IAC 742 Appendix A, Table H:

As an alternative to the subject maximum allowable concentration value, compliance verification may be determined by comparing soil sample extraction results (TCLP/SPLP) for this constituent to the respective TACO Class I Soil Component of the Groundwater Ingestion Exposure Route objective (35 Ill. Admin. Code 742-Appendix B, Table A). (See 35 IAC 1100.610(b)(1)(B); 1100.610(b)(3)(C)).

☐ = Analyte not detected (i.e., less than RL or MDL)

☐ All data reported in milligrams per liter (mg/L) unless otherwise noted.

NA = This constituent was not analyzed.

NE = No remediation objective established by the IEPA for this constituent.

**Bold** identifies an exceedance of the referenced objective.





Monday, December 8, 2014

Joe Reed  
 True North Consultants  
 1240 Iroquois Avenue, Suite 210  
 Naperville, IL 60563  
 TEL: (630) 717-2880  
 FAX: (630) 689-5881

RE: Roselle Rd/Shauburg Rd

AMENDED REPORT PAS WO: 14K0473

Prairie Analytical Systems, Inc. received 3 sample(s) on 11/24/2014 for the analyses presented in the following report.

All applicable quality control procedures met method specific acceptance criteria unless otherwise noted.

This is an AMENDED REPORT issued subsequent to the original report. Please see the case narrative for the nature of the amendment.

This report shall not be reproduced, except in full, without the prior written consent of Prairie Analytical Systems, Inc.

If you have any questions, please feel free to contact me at (217) 753-1148.

Respectfully submitted,

Kristen A. Potter  
 Project Manager

Certifications: NELAP/NELAC - IL #100323

1210 Capital Airport Drive	*	Springfield, IL 62707	*	1.217.753.1148	*	1.217.753.1152 Fax
9114 Virginia Road Suite #112	*	Lake in the Hills, IL 60156	*	1.847.651.2604	*	1.847.458.0538 Fax

Prairie Analytical Systems, Inc.

Date: 12/8/2014

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**LABORATORY RESULTS**

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**Client:** True North Consultants  
**Project:** Roselle Rd/Shauburg Rd

**Lab Order:** 14K0473

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**Case Narrative**

This report was originally issued on 12/3/14. Since then the client requested that sample B2-A be analyzed for SPLP chromium. This amended report includes the additional data.

Prairie Analytical Systems, Inc.

Date: 12/8/2014

## LABORATORY RESULTS

Client: True North Consultants  
 Project: Roselle Rd/Shauburg Rd  
 Client Sample ID: B-2A  
 Collection Date: 11/22/14 9:40

Lab Order: 14K0473  
 Lab ID: 14K0473-01  
 Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
<b>Volatile Organic Compounds by GC-MS</b>									
*Benzene	U	0.00498		mg/Kg dry	1	11/26/14 9:04	11/26/14 15:34	SW8260B Re	BDP
*Ethylbenzene	U	0.00498		mg/Kg dry	1	11/26/14 9:04	11/26/14 15:34	SW8260B Re	BDP
*Methyl tert-butyl ether	U	0.00498		mg/Kg dry	1	11/26/14 9:04	11/26/14 15:34	SW8260B Re	BDP
*Toluene	U	0.00498		mg/Kg dry	1	11/26/14 9:04	11/26/14 15:34	SW8260B Re	BDP
*Xylenes (total)	U	0.0150		mg/Kg dry	1	11/26/14 9:04	11/26/14 15:34	SW8260B Re	BDP
Surrogate: 4-Bromofluorobenzene		92 %		75-120		11/26/14 9:04	11/26/14 15:34	SW8260B Re	BDP
Surrogate: 1,2-Dichloroethane-d4		103 %		75-119		11/26/14 9:04	11/26/14 15:34	SW8260B Re	BDP
Surrogate: Toluene-d8		99 %		78-114		11/26/14 9:04	11/26/14 15:34	SW8260B Re	BDP
<b>Semi-Volatile Organic Compounds by GC-MS</b>									
*Acenaphthene	U	0.346		mg/Kg dry	1	11/26/14 10:41	11/26/14 22:01	SW8270C	JKA
*Anthracene	U	0.346		mg/Kg dry	1	11/26/14 10:41	11/26/14 22:01	SW8270C	JKA
*Benzo(a)anthracene	U	0.346		mg/Kg dry	1	11/26/14 10:41	11/26/14 22:01	SW8270C	JKA
*Benzo(b)fluoranthene	U	0.346		mg/Kg dry	1	11/26/14 10:41	11/26/14 22:01	SW8270C	JKA
*Benzo(k)fluoranthene	U	0.346		mg/Kg dry	1	11/26/14 10:41	11/26/14 22:01	SW8270C	JKA
*Benzo(a)pyrene	U	0.0693		mg/Kg dry	1	11/26/14 10:41	11/26/14 22:01	SW8270C	JKA
*Chrysene	U	0.346		mg/Kg dry	1	11/26/14 10:41	11/26/14 22:01	SW8270C	JKA
*Dibenz(a,h)anthracene	U	0.0693		mg/Kg dry	1	11/26/14 10:41	11/26/14 22:01	SW8270C	JKA
*Fluoranthene	U	0.346		mg/Kg dry	1	11/26/14 10:41	11/26/14 22:01	SW8270C	JKA
*Fluorene	U	0.346		mg/Kg dry	1	11/26/14 10:41	11/26/14 22:01	SW8270C	JKA
*Indeno(1,2,3-cd)pyrene	U	0.346		mg/Kg dry	1	11/26/14 10:41	11/26/14 22:01	SW8270C	JKA
*Naphthalene	U	0.346		mg/Kg dry	1	11/26/14 10:41	11/26/14 22:01	SW8270C	JKA
*Pyrene	U	0.346		mg/Kg dry	1	11/26/14 10:41	11/26/14 22:01	SW8270C	JKA
Surrogate: 2-Fluorobiphenyl		75 %		38-122		11/26/14 10:41	11/26/14 22:01	SW8270C	JKA
Surrogate: Nitrobenzene-d5		110 %		45-136		11/26/14 10:41	11/26/14 22:01	SW8270C	JKA
Surrogate: 4-Terphenyl-d14		85 %		57-122		11/26/14 10:41	11/26/14 22:01	SW8270C	JKA
<b>Metals by ICP-MS</b>									
*Mercury	U	0.0903		mg/Kg dry	2	12/1/14 13:20	12/2/14 12:32	SW6020A	JTC
*Selenium	U	0.564		mg/Kg dry	2	12/1/14 13:20	12/2/14 12:32	SW6020A	JTC
*Silver	U	0.564		mg/Kg dry	2	12/1/14 13:20	12/2/14 12:32	SW6020A	JTC
<b>Metals by ICP</b>									
*Arsenic	14.3	0.564		mg/Kg dry	1	12/1/14 13:20	12/2/14 15:12	SW6010B	RSR
*Barium	39.5	0.282		mg/Kg dry	1	12/1/14 13:20	12/2/14 15:12	SW6010B	RSR
*Cadmium	0.645	0.282		mg/Kg dry	1	12/1/14 13:20	12/2/14 15:12	SW6010B	RSR
*Chromium	21.8	0.282		mg/Kg dry	1	12/1/14 13:20	12/2/14 15:12	SW6010B	RSR
*Lead	16.6	0.282		mg/Kg dry	1	12/1/14 13:20	12/2/14 15:12	SW6010B	RSR
<b>SPLP Metals by ICP</b>									
*Chromium	0.0149	0.00500		mg/L	1	12/5/14 10:11	12/6/14 6:54	SW6010B	RSR
<b>Conventional Chemistry Parameters</b>									
*pH	7.9	0.010		pH Units	1	11/26/14 9:50	11/26/14 14:24	SW9045C	JLS
Percent Solids	85.0	0.100		%	1	12/1/14 16:35	12/2/14 12:17	ASTM D2974	JLS

Prairie Analytical Systems, Inc.

Date: 12/8/2014

## LABORATORY RESULTS

Client: True North Consultants  
 Project: Roselle Rd/Shauburg Rd  
 Client Sample ID: P-2A  
 Collection Date: 11/22/14 10:30

Lab Order: 14K0473  
 Lab ID: 14K0473-02  
 Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
<b>Volatile Organic Compounds by GC-MS</b>									
*Acetone	U	0.0702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*Benzene	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*Bromodichloromethane	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*Bromoform	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*Bromomethane	U	0.0140		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*2-Butanone	U	0.0140		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*Carbon disulfide	U	0.0140		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*Carbon tetrachloride	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*Chlorobenzene	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*Chloroform	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*1,2-Dibromo-3-chloropropane	U	0.00140		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*Dibromochloromethane	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*1,2-Dibromoethane	U	0.00281		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*1,2-Dichlorobenzene	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*1,4-Dichlorobenzene	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*1,1-Dichloroethane	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*1,2-Dichloroethane	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*1,1-Dichloroethene	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*cis-1,2-Dichloroethene	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*trans-1,2-Dichloroethene	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*1,2-Dichloropropane	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*cis-1,3-Dichloropropene	U	0.00421		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*trans-1,3-Dichloropropene	U	0.00421		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*1,3-Dichloropropene (total)	U	0.00421		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*Ethylbenzene	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*Methyl tert-butyl ether	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*Methylene chloride	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*Styrene	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*Tetrachloroethene	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*Toluene	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*1,1,1-Trichloroethane	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*1,1,2-Trichloroethane	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*Trichloroethene	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*Vinyl acetate	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*Vinyl chloride	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
o-Xylene	U	0.00702		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
m,p-Xylenes	U	0.0140		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
*Xylenes (total)	U	0.0211		mg/Kg dry	1	11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
Surrogate: 4-Bromofluorobenzene		88 %		75-120		11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
Surrogate: 1,2-Dichloroethane-d4		102 %		75-119		11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
Surrogate: Toluene-d8		103 %		78-114		11/26/14 9:04	11/26/14 12:39	SW8260B Re	BDP
<b>Semi-Volatile Organic Compounds by GC-MS</b>									
*Acenaphthene	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Anthracene	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Benzo(a)anthracene	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Benzo(b)fluoranthene	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Benzo(k)fluoranthene	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Benzo(a)pyrene	U	0.0743		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA

Prairie Analytical Systems, Inc.

Date: 12/8/2014

## LABORATORY RESULTS

Client: True North Consultants  
 Project: Roselle Rd/Shauburg Rd  
 Client Sample ID: P-2A  
 Collection Date: 11/22/14 10:30

Lab Order: 14K0473  
 Lab ID: 14K0473-02  
 Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Benzoic acid	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Bis(2-chloroethyl)ether	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Bis(2-ethylhexyl)phthalate	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Butyl benzyl phthalate	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Carbazole	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*4-Chloroaniline	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*2-Chlorophenol	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Chrysene	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Di-n-butyl phthalate	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Di-n-octyl phthalate	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Dibenz(a,h)anthracene	U	0.0743		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*3,3'-Dichlorobenzidine	U	0.0826		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*2,4-Dichlorophenol	U	0.248		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Diethyl phthalate	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*2,4-Dimethylphenol	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*2,4-Dinitrophenol	U	0.186		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*2,4-Dinitrotoluene	U	0.124		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*2,6-Dinitrotoluene	U	0.124		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Fluoranthene	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Fluorene	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Hexachlorobenzene	U	0.124		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Hexachlorocyclopentadiene	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Hexachloroethane	U	0.248		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Indeno(1,2,3-cd)pyrene	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Isophorone	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*2-Methylphenol	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Naphthalene	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Nitrobenzene	U	0.0929		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*N-Nitroso-di-n-propylamine	U	0.000739	M	mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*N-Nitrosodiphenylamine	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Pentachlorophenol	U	0.0124		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Phenol	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*Pyrene	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*1,2,4-Trichlorobenzene	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*2,4,5-Trichlorophenol	U	0.413		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
*2,4,6-Trichlorophenol	U	0.186		mg/Kg dry	1	11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
Surrogate: 2-Fluorobiphenyl		71 %		40-120		11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
Surrogate: 2-Fluorophenol		54 %		20-115		11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
Surrogate: Nitrobenzene-d5		102 %		45-135		11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
Surrogate: Phenol-d6		55 %		20-100		11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
Surrogate: 4-Terphenyl-d14		78 %		60-130		11/26/14 10:40	11/27/14 0:12	SW8270C	JKA
Surrogate: 2,4,6-Tribromophenol		62 %		30-100		11/26/14 10:40	11/27/14 0:12	SW8270C	JKA

## Polychlorinated Biphenyls by GC-ECD

*Aroclor 1016	U	0.0405		mg/Kg dry	1	11/26/14 10:42	12/2/14 16:48	SW8082	AJD
*Aroclor 1221	U	0.0405		mg/Kg dry	1	11/26/14 10:42	12/2/14 16:48	SW8082	AJD
*Aroclor 1232	U	0.0405		mg/Kg dry	1	11/26/14 10:42	12/2/14 16:48	SW8082	AJD
*Aroclor 1242	U	0.0405		mg/Kg dry	1	11/26/14 10:42	12/2/14 16:48	SW8082	AJD
*Aroclor 1248	U	0.0405		mg/Kg dry	1	11/26/14 10:42	12/2/14 16:48	SW8082	AJD
*Aroclor 1254	U	0.0405		mg/Kg dry	1	11/26/14 10:42	12/2/14 16:48	SW8082	AJD



Prairie Analytical Systems, Inc.

Date: 12/8/2014

## LABORATORY RESULTS

Client: True North Consultants  
 Project: Roselle Rd/Shauburg Rd  
 Client Sample ID: P-2A  
 Collection Date: 11/22/14 10:30

Lab Order: 14K0473  
 Lab ID: 14K0473-02  
 Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
*Aroclor 1260	U	0.0405		mg/Kg dry	1	11/26/14 10:42	12/2/14 16:48	SW8082	AJD
Surrogate: Decachlorobiphenyl		91 %		60-140		11/26/14 10:42	12/2/14 16:48	SW8082	AJD
Surrogate: Tetrachloro-m-xylene		77 %		60-140		11/26/14 10:42	12/2/14 16:48	SW8082	AJD
<b>Metals by ICP-MS</b>									
*Mercury	U	0.0988		mg/Kg dry	2	12/1/14 13:20	12/2/14 12:37	SW6020A	JTC
*Selenium	0.722	0.617		mg/Kg dry	2	12/1/14 13:20	12/2/14 12:37	SW6020A	JTC
*Silver	U	0.617		mg/Kg dry	2	12/1/14 13:20	12/2/14 12:37	SW6020A	JTC
<b>Metals by ICP</b>									
*Arsenic	14.2	0.617		mg/Kg dry	1	12/1/14 13:20	12/2/14 15:18	SW6010B	RSR
*Barium	77.2	0.309		mg/Kg dry	1	12/1/14 13:20	12/2/14 15:18	SW6010B	RSR
*Cadmium	0.825	0.309		mg/Kg dry	1	12/1/14 13:20	12/2/14 15:18	SW6010B	RSR
*Chromium	26.6	0.309		mg/Kg dry	1	12/1/14 13:20	12/2/14 15:18	SW6010B	RSR
*Lead	32.0	0.309		mg/Kg dry	1	12/1/14 13:20	12/2/14 15:18	SW6010B	RSR
<b>SPLP Metals by ICP</b>									
*Chromium	0.0949	0.00500		mg/L	1	12/5/14 10:11	12/6/14 7:00	SW6010B	RSR
<b>Conventional Chemistry Parameters</b>									
*pH	8.0	0.010		pH Units	1	11/26/14 9:50	11/26/14 14:24	SW9045C	JLS
Percent Solids	80.0	0.100		%	1	12/1/14 16:35	12/2/14 12:17	ASTM D2974	JLS

Prairie Analytical Systems, Inc.

Date: 12/8/2014

## LABORATORY RESULTS

Client: True North Consultants  
 Project: Roselle Rd/Shauburg Rd  
 Client Sample ID: P-4A  
 Collection Date: 11/22/14 8:45

Lab Order: 14K0473  
 Lab ID: 14K0473-03  
 Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
<b>Volatile Organic Compounds by GC-MS</b>									
*Acetone	U	0.0616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*Benzene	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*Bromodichloromethane	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*Bromoform	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*Bromomethane	U	0.0123		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*2-Butanone	U	0.0123		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*Carbon disulfide	U	0.0123		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*Carbon tetrachloride	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*Chlorobenzene	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*Chloroform	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*1,2-Dibromo-3-chloropropane	U	0.00123		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*Dibromochloromethane	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*1,2-Dibromoethane	U	0.00369		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*1,2-Dichlorobenzene	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*1,4-Dichlorobenzene	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*1,1-Dichloroethane	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*1,2-Dichloroethane	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*1,1-Dichloroethene	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*cis-1,2-Dichloroethene	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*trans-1,2-Dichloroethene	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*1,2-Dichloropropane	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*cis-1,3-Dichloropropene	U	0.00369		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*trans-1,3-Dichloropropene	U	0.00369		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*1,3-Dichloropropene (total)	U	0.00369		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*Ethylbenzene	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*Methyl tert-butyl ether	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*Methylene chloride	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*Styrene	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*Tetrachloroethene	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*Toluene	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*1,1,1-Trichloroethane	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*1,1,2-Trichloroethane	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*Trichloroethene	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*Vinyl acetate	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*Vinyl chloride	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
o-Xylene	U	0.00616		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
m,p-Xylenes	U	0.0123		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
*Xylenes (total)	U	0.0185		mg/Kg dry	1	11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
Surrogate: 4-Bromofluorobenzene		91 %		75-120		11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
Surrogate: 1,2-Dichloroethane-d4		111 %		75-119		11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
Surrogate: Toluene-d8		107 %		78-114		11/26/14 9:04	11/26/14 14:36	SW8260B Re	BDP
<b>Semi-Volatile Organic Compounds by GC-MS</b>									
*Acenaphthene	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Anthracene	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Benzo(a)anthracene	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Benzo(b)fluoranthene	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Benzo(k)fluoranthene	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Benzo(a)pyrene	U	0.0712		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA

Prairie Analytical Systems, Inc.

Date: 12/8/2014

## LABORATORY RESULTS

Client: True North Consultants  
 Project: Roselle Rd/Shauburg Rd  
 Client Sample ID: P-4A  
 Collection Date: 11/22/14 8:45

Lab Order: 14K0473  
 Lab ID: 14K0473-03  
 Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Benzoic acid	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Bis(2-chloroethyl)ether	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Bis(2-ethylhexyl)phthalate	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Butyl benzyl phthalate	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Carbazole	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*4-Chloroaniline	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*2-Chlorophenol	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Chrysene	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Di-n-butyl phthalate	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Di-n-octyl phthalate	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Dibenz(a,h)anthracene	U	0.0712		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*3,3'-Dichlorobenzidine	U	0.0791		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*2,4-Dichlorophenol	U	0.237		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Diethyl phthalate	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*2,4-Dimethylphenol	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*2,4-Dinitrophenol	U	0.178		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*2,4-Dinitrotoluene	U	0.119		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*2,6-Dinitrotoluene	U	0.119		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Fluoranthene	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Fluorene	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Hexachlorobenzene	U	0.119		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Hexachlorocyclopentadiene	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Hexachloroethane	U	0.237		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Indeno(1,2,3-cd)pyrene	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Isophorone	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*2-Methylphenol	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Naphthalene	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Nitrobenzene	U	0.0890		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*N-Nitroso-di-n-propylamine	U	0.000708	M	mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*N-Nitrosodiphenylamine	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Pentachlorophenol	U	0.0119		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Phenol	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*Pyrene	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*1,2,4-Trichlorobenzene	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*2,4,5-Trichlorophenol	U	0.395		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
*2,4,6-Trichlorophenol	U	0.178		mg/Kg dry	1	11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
Surrogate: 2-Fluorobiphenyl		67 %		40-120		11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
Surrogate: 2-Fluorophenol		45 %		20-115		11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
Surrogate: Nitrobenzene-d5		90 %		45-135		11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
Surrogate: Phenol-d6		53 %		20-100		11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
Surrogate: 4-Terphenyl-d14		85 %		60-130		11/26/14 10:40	11/26/14 23:39	SW8270C	JKA
Surrogate: 2,4,6-Tribromophenol		60 %		30-100		11/26/14 10:40	11/26/14 23:39	SW8270C	JKA

## Polychlorinated Biphenyls by GC-ECD

*Aroclor 1016	U	0.0395		mg/Kg dry	1	11/26/14 10:42	12/2/14 17:21	SW8082	AJD
*Aroclor 1221	U	0.0395		mg/Kg dry	1	11/26/14 10:42	12/2/14 17:21	SW8082	AJD
*Aroclor 1232	U	0.0395		mg/Kg dry	1	11/26/14 10:42	12/2/14 17:21	SW8082	AJD
*Aroclor 1242	U	0.0395		mg/Kg dry	1	11/26/14 10:42	12/2/14 17:21	SW8082	AJD
*Aroclor 1248	U	0.0395		mg/Kg dry	1	11/26/14 10:42	12/2/14 17:21	SW8082	AJD
*Aroclor 1254	U	0.0395		mg/Kg dry	1	11/26/14 10:42	12/2/14 17:21	SW8082	AJD

Prairie Analytical Systems, Inc.

Date: 12/8/2014

## LABORATORY RESULTS

Client: True North Consultants  
 Project: Roselle Rd/Shauburg Rd  
 Client Sample ID: P-4A  
 Collection Date: 11/22/14 8:45

Lab Order: 14K0473  
 Lab ID: 14K0473-03  
 Matrix: Solid

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
*Aroclor 1260	U	0.0395		mg/Kg dry	1	11/26/14 10:42	12/2/14 17:21	SW8082	AJD
Surrogate: Decachlorobiphenyl		92 %		60-140		11/26/14 10:42	12/2/14 17:21	SW8082	AJD
Surrogate: Tetrachloro-m-xylene		66 %		60-140		11/26/14 10:42	12/2/14 17:21	SW8082	AJD
<b>Metals by ICP-MS</b>									
*Mercury	U	0.0955		mg/Kg dry	2	12/1/14 13:20	12/2/14 12:43	SW6020A	JTC
*Selenium	U	0.597		mg/Kg dry	2	12/1/14 13:20	12/2/14 12:43	SW6020A	JTC
*Silver	U	0.597		mg/Kg dry	2	12/1/14 13:20	12/2/14 12:43	SW6020A	JTC
<b>Metals by ICP</b>									
*Arsenic	9.41	0.597		mg/Kg dry	1	12/1/14 13:20	12/2/14 15:24	SW6010B	RSR
*Barium	69.0	0.299		mg/Kg dry	1	12/1/14 13:20	12/2/14 15:24	SW6010B	RSR
*Cadmium	0.641	0.299		mg/Kg dry	1	12/1/14 13:20	12/2/14 15:24	SW6010B	RSR
*Chromium	26.2	0.299		mg/Kg dry	1	12/1/14 13:20	12/2/14 15:24	SW6010B	RSR
*Lead	16.0	0.299		mg/Kg dry	1	12/1/14 13:20	12/2/14 15:24	SW6010B	RSR
<b>Conventional Chemistry Parameters</b>									
*pH	7.9	0.010		pH Units	1	11/26/14 9:50	11/26/14 14:24	SW9045C	JLS
Percent Solids	83.2	0.100		%	1	12/1/14 16:35	12/2/14 12:17	ASTM D2974	JLS

Prairie Analytical Systems, Inc.

Date: 12/8/2014

## LABORATORY RESULTS

Client: True North Consultants  
 Project: Roselle Rd/Shauburg Rd

Lab Order: 14K0473

## Volatile Organic Compounds by GC-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch X006678 - SW 5035A VOA

Blank (X006678-BLK1)

Prepared &amp; Analyzed: 11/26/2014

Acetone	U	0.0500	mg/Kg wet							
Benzene	U	0.00500	mg/Kg wet							
Ethylbenzene	U	0.00500	mg/Kg wet							
Benzene	U	0.00500	mg/Kg wet							
Toluene	U	0.00500	mg/Kg wet							
Bromodichloromethane	U	0.00500	mg/Kg wet							
Bromoform	U	0.00500	mg/Kg wet							
Bromomethane	U	0.0100	mg/Kg wet							
Xylenes (total)	U	0.0150	mg/Kg wet							
2-Butanone	U	0.0100	mg/Kg wet							
Carbon disulfide	U	0.0100	mg/Kg wet							
Carbon tetrachloride	U	0.00500	mg/Kg wet							
Chlorobenzene	U	0.00500	mg/Kg wet							
Chloroform	U	0.00500	mg/Kg wet							
1,2-Dibromo-3-chloropropane	U	0.00100	mg/Kg wet							
Dibromochloromethane	U	0.00500	mg/Kg wet							
1,2-Dibromoethane	U	0.00200	mg/Kg wet							
1,2-Dichlorobenzene	U	0.00500	mg/Kg wet							
1,4-Dichlorobenzene	U	0.00500	mg/Kg wet							
1,1-Dichloroethane	U	0.00500	mg/Kg wet							
1,2-Dichloroethane	U	0.00500	mg/Kg wet							
1,1-Dichloroethene	U	0.00500	mg/Kg wet							
cis-1,2-Dichloroethene	U	0.00500	mg/Kg wet							
trans-1,2-Dichloroethene	U	0.00500	mg/Kg wet							
1,2-Dichloropropane	U	0.00500	mg/Kg wet							
cis-1,3-Dichloropropene	U	0.00300	mg/Kg wet							
trans-1,3-Dichloropropene	U	0.00300	mg/Kg wet							
1,3-Dichloropropene (total)	U	0.00300	mg/Kg wet							
Ethylbenzene	U	0.00500	mg/Kg wet							
Methyl tert-butyl ether	U	0.00500	mg/Kg wet							
Methylene chloride	U	0.00500	mg/Kg wet							
Styrene	U	0.00500	mg/Kg wet							
Tetrachloroethene	U	0.00500	mg/Kg wet							
Toluene	U	0.00500	mg/Kg wet							
1,1,1-Trichloroethane	U	0.00500	mg/Kg wet							
1,1,2-Trichloroethane	U	0.00500	mg/Kg wet							
Trichloroethene	U	0.00500	mg/Kg wet							
Vinyl acetate	U	0.00500	mg/Kg wet							
Vinyl chloride	U	0.00500	mg/Kg wet							
o-Xylene	U	0.00500	mg/Kg wet							
m,p-Xylenes	U	0.0100	mg/Kg wet							
Xylenes (total)	U	0.0150	mg/Kg wet							

Surrogate: 4-Bromofluorobenzene	0.0478	mg/Kg wet	0.050000	96	75-120
Surrogate: 4-Bromofluorobenzene	0.0478	mg/Kg wet	0.050000	96	75-120

Prairie Analytical Systems, Inc.

Date: 12/8/2014

## LABORATORY RESULTS

Client: True North Consultants  
 Project: Roselle Rd/Shauburg Rd

Lab Order: 14K0473

## Volatile Organic Compounds by GC-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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## Batch X006678 - SW 5035A VOA

## Blank (X006678-BLK1)

Prepared &amp; Analyzed: 11/26/2014

Surrogate: 1,2-Dichloroethane-d4	0.0463		mg/Kg wet	0.050000		93	75-119			
Surrogate: 1,2-Dichloroethane-d4	0.0463		mg/Kg wet	0.050000		93	75-119			
Surrogate: Toluene-d8	0.0500		mg/Kg wet	0.050000		100	78-114			
Surrogate: Toluene-d8	0.0500		mg/Kg wet	0.050000		100	78-114			

## LCS (X006678-BS1)

Prepared &amp; Analyzed: 11/26/2014

Benzene	0.0558	0.00500	mg/Kg wet	0.050000		112	80-130			
Ethylbenzene	0.0542	0.00500	mg/Kg wet	0.050000		108	77-132			
Benzene	0.0558	0.00500	mg/Kg wet	0.050000		112	80-130			
Toluene	0.0529	0.00500	mg/Kg wet	0.050000		106	80-130			
Xylenes (total)	0.161	0.0150	mg/Kg wet	0.150000		107	80-130			
Chlorobenzene	0.0539	0.00500	mg/Kg wet	0.050000		108	85-120			
1,1-Dichloroethene	0.0546	0.00500	mg/Kg wet	0.050000		109	70-130			
Ethylbenzene	0.0542	0.00500	mg/Kg wet	0.050000		108	77-132			
Toluene	0.0529	0.00500	mg/Kg wet	0.050000		106	80-130			
Trichloroethene	0.0548	0.00500	mg/Kg wet	0.050000		110	75-130			
o-Xylene	0.0531	0.00500	mg/Kg wet	0.050000		106	80-130			
m,p-Xylenes	0.108	0.0100	mg/Kg wet	0.100000		108	80-130			
Xylenes (total)	0.161	0.0150	mg/Kg wet	0.150000		107	80-130			
Surrogate: 4-Bromofluorobenzene	0.0508		mg/Kg wet	0.050000		102	75-120			
Surrogate: 4-Bromofluorobenzene	0.0508		mg/Kg wet	0.050000		102	75-120			
Surrogate: 1,2-Dichloroethane-d4	0.0511		mg/Kg wet	0.050000		102	75-119			
Surrogate: 1,2-Dichloroethane-d4	0.0511		mg/Kg wet	0.050000		102	75-119			
Surrogate: Toluene-d8	0.0482		mg/Kg wet	0.050000		96	78-114			
Surrogate: Toluene-d8	0.0482		mg/Kg wet	0.050000		96	78-114			

## Matrix Spike (X006678-MS1)

Source: 14K0473-02

Prepared &amp; Analyzed: 11/26/2014

Benzene	0.0694	0.00652	mg/Kg dry	0.065216	ND	106	50-140			
Chlorobenzene	0.0628	0.00652	mg/Kg dry	0.065216	ND	96	60-130			
1,1-Dichloroethene	0.0623	0.00652	mg/Kg dry	0.065216	ND	95	60-130			
Ethylbenzene	0.0679	0.00652	mg/Kg dry	0.065216	ND	104	50-140			
Toluene	0.0714	0.00652	mg/Kg dry	0.065216	ND	109	55-130			
Trichloroethene	0.0659	0.00652	mg/Kg dry	0.065216	ND	101	60-130			
o-Xylene	0.0643	0.00652	mg/Kg dry	0.065216	ND	99	60-130			
m,p-Xylenes	0.134	0.0130	mg/Kg dry	0.13043	ND	103	60-130			
Xylenes (total)	0.198	0.0196	mg/Kg dry	0.19565	ND	101	60-130			
Surrogate: 4-Bromofluorobenzene	0.0607		mg/Kg dry	0.065216		93	75-120			
Surrogate: 1,2-Dichloroethane-d4	0.0648		mg/Kg dry	0.065216		99	75-119			
Surrogate: Toluene-d8	0.0671		mg/Kg dry	0.065216		103	78-114			

Prairie Analytical Systems, Inc.

Date: 12/8/2014

## LABORATORY RESULTS

Client: True North Consultants  
 Project: Roselle Rd/Shamburg Rd

Lab Order: 14K0473

## Volatile Organic Compounds by GC-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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## Batch X006678 - SW 5035A VOA

## Matrix Spike Dup (X006678-MSD1)

Source: 14K0473-02

Prepared &amp; Analyzed: 11/26/2014

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzene	0.0773	0.00716	mg/Kg dry	0.071647	ND	108	50-140	11	20	
Chlorobenzene	0.0675	0.00716	mg/Kg dry	0.071647	ND	94	60-130	7	20	
1,1-Dichloroethene	0.0843	0.00716	mg/Kg dry	0.071647	ND	118	60-130	30	20	R
Ethylbenzene	0.0728	0.00716	mg/Kg dry	0.071647	ND	102	50-140	7	25	
Toluene	0.0785	0.00716	mg/Kg dry	0.071647	ND	110	55-130	10	25	
Trichloroethene	0.0750	0.00716	mg/Kg dry	0.071647	ND	105	60-130	13	20	
o-Xylene	0.0690	0.00716	mg/Kg dry	0.071647	ND	96	60-130	7	25	
m,p-Xylenes	0.142	0.0143	mg/Kg dry	0.14329	ND	99	60-130	6	25	
Xylenes (total)	0.211	0.0215	mg/Kg dry	0.21494	ND	98	60-130	6	25	
Surrogate: 4-Bromofluorobenzene	0.0661		mg/Kg dry	0.071647		92	75-120			
Surrogate: 1,2-Dichloroethane-d4	0.0711		mg/Kg dry	0.071647		99	75-119			
Surrogate: Toluene-d8	0.0768		mg/Kg dry	0.071647		107	78-114			

Prairie Analytical Systems, Inc.

Date: 12/8/2014

## LABORATORY RESULTS

Client: True North Consultants  
 Project: Roselle Rd/Shamburg Rd

Lab Order: 14K0473

## Semi-Volatile Organic Compounds by GC-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch X006682 - SW 3550B BNA</b>										
<b>Blank (X006682-BLK1)</b>										
Prepared & Analyzed: 11/26/2014										
Acenaphthene	U	0.333	mg/Kg wet							
Anthracene	U	0.333	mg/Kg wet							
Benzo(a)anthracene	U	0.333	mg/Kg wet							
Benzo(b)fluoranthene	U	0.333	mg/Kg wet							
Benzo(k)fluoranthene	U	0.333	mg/Kg wet							
Benzo(a)pyrene	U	0.0600	mg/Kg wet							
Benzoic acid	U	0.333	mg/Kg wet							
Bis(2-chloroethyl)ether	U	0.333	mg/Kg wet							
Bis(2-ethylhexyl)phthalate	U	0.333	mg/Kg wet							
Butyl benzyl phthalate	U	0.333	mg/Kg wet							
Carbazole	U	0.333	mg/Kg wet							
4-Chloroaniline	U	0.333	mg/Kg wet							
2-Chlorophenol	U	0.333	mg/Kg wet							
Chrysene	U	0.333	mg/Kg wet							
Di-n-butyl phthalate	U	0.333	mg/Kg wet							
Di-n-octyl phthalate	U	0.333	mg/Kg wet							
Dibenz(a,h)anthracene	U	0.0600	mg/Kg wet							
3,3'-Dichlorobenzidine	U	0.0667	mg/Kg wet							
2,4-Dichlorophenol	U	0.200	mg/Kg wet							
Diethyl phthalate	U	0.333	mg/Kg wet							
2,4-Dimethylphenol	U	0.333	mg/Kg wet							
2,4-Dinitrophenol	U	0.150	mg/Kg wet							
2,4-Dinitrotoluene	U	0.100	mg/Kg wet							
2,6-Dinitrotoluene	U	0.100	mg/Kg wet							
Fluoranthene	U	0.333	mg/Kg wet							
Fluorene	U	0.333	mg/Kg wet							
Hexachlorobenzene	U	0.100	mg/Kg wet							
Hexachlorocyclopentadiene	U	0.333	mg/Kg wet							
Hexachloroethane	U	0.200	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	U	0.333	mg/Kg wet							
Isophorone	U	0.333	mg/Kg wet							
2-Methylphenol	U	0.333	mg/Kg wet							
Naphthalene	U	0.333	mg/Kg wet							
Nitrobenzene	U	0.0750	mg/Kg wet							
N-Nitroso-di-n-propylamine	U	0.0333	mg/Kg wet							M
N-Nitrosodiphenylamine	U	0.333	mg/Kg wet							
Pentachlorophenol	U	0.0100	mg/Kg wet							
Phenol	U	0.333	mg/Kg wet							
Pyrene	U	0.333	mg/Kg wet							
1,2,4-Trichlorobenzene	U	0.333	mg/Kg wet							
2,4,5-Trichlorophenol	U	0.333	mg/Kg wet							
2,4,6-Trichlorophenol	U	0.150	mg/Kg wet							
Surrogate: 2-Fluorobiphenyl	0.623		mg/Kg wet	0.66667		93	40-120			
Surrogate: 2-Fluorophenol	0.679		mg/Kg wet	1.0000		68	20-115			



Prairie Analytical Systems, Inc.

Date: 12/8/2014

## LABORATORY RESULTS

Client: True North Consultants  
 Project: Roselle Rd/Shauburg Rd

Lab Order: 14K0473

## Semi-Volatile Organic Compounds by GC-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch X006682 - SW 3550B BNA</b>										
<b>Blank (X006682-BLK1)</b>										
Prepared & Analyzed: 11/26/2014										
Surrogate: Nitrobenzene-d5	0.850		mg/Kg wet	0.66667		127	45-135			
Surrogate: Phenol-d6	0.627		mg/Kg wet	1.0000		63	20-100			
Surrogate: 4-Terphenyl-d14	0.646		mg/Kg wet	0.66667		97	60-130			
Surrogate: 2,4,6-Tribromophenol	0.734		mg/Kg wet	1.0000		73	30-100			
<b>LCS (X006682-BS1)</b>										
Prepared & Analyzed: 11/26/2014										
Acenaphthene	0.603	0.333	mg/Kg wet	0.66667		90	30-140			
2-Chlorophenol	1.45	0.333	mg/Kg wet	1.3333		109	35-150			
2,4-Dinitrotoluene	0.654	0.100	mg/Kg wet	0.66667		98	35-130			
N-Nitroso-di-n-propylamine	0.608	0.0333	mg/Kg wet	0.66667		91	40-130			
Pentachlorophenol	2.02	0.0100	mg/Kg wet	1.3333		151	40-190			
Phenol	1.02	0.333	mg/Kg wet	1.3333		76	30-190			
Pyrene	0.600	0.333	mg/Kg wet	0.66667		90	35-140			
1,2,4-Trichlorobenzene	0.437	0.333	mg/Kg wet	0.66667		66	40-115			
Surrogate: 2-Fluorobiphenyl	0.533		mg/Kg wet	0.66667		80	40-120			
Surrogate: 2-Fluorophenol	0.578		mg/Kg wet	1.0000		58	20-115			
Surrogate: Nitrobenzene-d5	0.710		mg/Kg wet	0.66667		106	45-135			
Surrogate: Phenol-d6	0.604		mg/Kg wet	1.0000		60	20-100			
Surrogate: 4-Terphenyl-d14	0.640		mg/Kg wet	0.66667		96	60-130			
Surrogate: 2,4,6-Tribromophenol	0.763		mg/Kg wet	1.0000		76	30-100			
<b>Batch X006683 - SW 3550B PNA</b>										
<b>Blank (X006683-BLK1)</b>										
Prepared & Analyzed: 11/26/2014										
Acenaphthene	U	0.300	mg/Kg wet							
Anthracene	U	0.300	mg/Kg wet							
Benzo(a)anthracene	U	0.300	mg/Kg wet							
Benzo(b)fluoranthene	U	0.300	mg/Kg wet							
Benzo(k)fluoranthene	U	0.300	mg/Kg wet							
Benzo(a)pyrene	U	0.0550	mg/Kg wet							
Chrysene	U	0.300	mg/Kg wet							
Dibenz(a,h)anthracene	U	0.0550	mg/Kg wet							
Fluoranthene	U	0.300	mg/Kg wet							
Fluorene	U	0.300	mg/Kg wet							
Indeno(1,2,3-cd)pyrene	U	0.300	mg/Kg wet							
Naphthalene	U	0.300	mg/Kg wet							
Pyrene	U	0.300	mg/Kg wet							
Surrogate: 2-Fluorobiphenyl	0.604		mg/Kg wet	0.66667		91	38-122			
Surrogate: Nitrobenzene-d5	0.825		mg/Kg wet	0.66667		124	45-136			
Surrogate: 4-Terphenyl-d14	0.622		mg/Kg wet	0.66667		93	57-122			

Prairie Analytical Systems, Inc.

Date: 12/8/2014

## LABORATORY RESULTS

Client: True North Consultants  
 Project: Roselle Rd/Shauburg Rd

Lab Order: 14K0473

## Semi-Volatile Organic Compounds by GC-MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch X006683 - SW 3550B PNA</b>										
<b>LCS (X006683-BS1)</b>										
Prepared & Analyzed: 11/26/2014										
Acenaphthene	0.567	0.300	mg/Kg wet	0.66667		85	50-135			
Acenaphthylene	0.505	0.300	mg/Kg wet	0.66667		76	51-134			
Anthracene	0.519	0.300	mg/Kg wet	0.66667		78	52-117			
Benzo(a)anthracene	0.727	0.300	mg/Kg wet	0.66667		109	50-126			
Benzo(b)fluoranthene	0.508	0.300	mg/Kg wet	0.66667		76	57-134			
Benzo(k)fluoranthene	0.496	0.300	mg/Kg wet	0.66667		74	59-168			
Benzo(g,h,i)perylene	0.559	0.300	mg/Kg wet	0.66667		84	56-147			
Benzo(a)pyrene	0.463	0.0550	mg/Kg wet	0.66667		69	41-133			
Chrysene	0.568	0.300	mg/Kg wet	0.66667		85	52-127			
Dibenz(a,h)anthracene	0.660	0.0550	mg/Kg wet	0.66667		99	60-170			
Fluoranthene	0.580	0.300	mg/Kg wet	0.66667		87	57-130			
Fluorene	0.597	0.300	mg/Kg wet	0.66667		90	47-154			
Indeno(1,2,3-cd)pyrene	0.792	0.300	mg/Kg wet	0.66667		119	59-132			
Naphthalene	0.574	0.300	mg/Kg wet	0.66667		86	40-135			
Phenanthrene	0.540	0.300	mg/Kg wet	0.66667		81	54-126			
Pyrene	0.581	0.300	mg/Kg wet	0.66667		87	57-132			
Surrogate: 2-Fluorobiphenyl	0.579		mg/Kg wet	0.66667		87	38-122			
Surrogate: Nitrobenzene-d5	0.800		mg/Kg wet	0.66667		120	45-136			
Surrogate: 4-Terphenyl-d14	0.581		mg/Kg wet	0.66667		87	57-122			

Prairie Analytical Systems, Inc.

Date: 12/8/2014

## LABORATORY RESULTS

Client: True North Consultants  
 Project: Roselle Rd/Shauburg Rd

Lab Order: 14K0473

## Polychlorinated Biphenyls by GC-ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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## Batch X006684 - SW 3550B PCB

## Blank (X006684-BLK1)

Prepared: 11/26/2014 Analyzed: 12/02/2014

Aroclor 1016	U	0.0330	mg/Kg wet							
Aroclor 1221	U	0.0330	mg/Kg wet							
Aroclor 1232	U	0.0330	mg/Kg wet							
Aroclor 1242	U	0.0330	mg/Kg wet							
Aroclor 1248	U	0.0330	mg/Kg wet							
Aroclor 1254	U	0.0330	mg/Kg wet							
Aroclor 1260	U	0.0330	mg/Kg wet							

Surrogate: Decachlorobiphenyl	0.0642		mg/Kg wet	0.066667		96	60-140			
Surrogate: Tetrachloro-m-xylene	0.0497		mg/Kg wet	0.066667		74	60-140			

## LCS (X006684-BS1)

Prepared: 11/26/2014 Analyzed: 12/02/2014

Aroclor 1016	0.640	0.0330	mg/Kg wet	0.66667		96	60-130			
Aroclor 1260	0.690	0.0330	mg/Kg wet	0.66667		104	70-130			
Surrogate: Decachlorobiphenyl	0.0670		mg/Kg wet	0.066667		100	60-140			
Surrogate: Tetrachloro-m-xylene	0.0475		mg/Kg wet	0.066667		71	60-140			

**LABORATORY RESULTS**

**Client:** True North Consultants  
**Project:** Roselle Rd/Shauburg Rd

**Lab Order:** 14K0473

**Metals by ICP-MS - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch X006725 - SW 3050B Metals</b>										
<b>Blank (X006725-BLK1)</b>										
Prepared: 12/01/2014 Analyzed: 12/02/2014										
Mercury	U	0.0800	mg/Kg wet							
Selenium	U	0.500	mg/Kg wet							
Silver	U	0.500	mg/Kg.wet							
<b>LCS (X006725-BS1)</b>										
Prepared: 12/01/2014 Analyzed: 12/02/2014										
Mercury	0.948	0.0800	mg/Kg wet	1.0000		95	80-120			
Selenium	23.6	0.500	mg/Kg wet	25.000		94	80-120			
Silver	2.35	0.500	mg/Kg wet	2.5000		94	80-120			
<b>Matrix Spike (X006725-MS1)</b>										
Source: 14L0004-01										
Prepared: 12/01/2014 Analyzed: 12/02/2014										
Mercury	0.968	0.0833	mg/Kg dry	1.0419	ND	93	75-125			
Selenium	26.1	0.521	mg/Kg dry	26.047	0.111	100	75-125			
Silver	2.38	0.521	mg/Kg dry	2.6047	ND	92	75-125			
<b>Matrix Spike Dup (X006725-MSD1)</b>										
Source: 14L0004-01										
Prepared: 12/01/2014 Analyzed: 12/02/2014										
Mercury	0.964	0.0833	mg/Kg dry	1.0419	ND	92	75-125	0.4	20	
Selenium	25.4	0.521	mg/Kg dry	26.047	0.111	97	75-125	3	20	
Silver	2.35	0.521	mg/Kg dry	2.6047	ND	90	75-125	1	20	

**LABORATORY RESULTS**

**Client:** True North Consultants  
**Project:** Roselle Rd/Shamburg Rd

**Lab Order:** 14K0473

**Metals by ICP - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch X006724 - SW 3050B Metals**

**Blank (X006724-BLK1)**

Prepared: 12/01/2014 Analyzed: 12/02/2014

Arsenic	U	0.500	mg/Kg wet							
Barium	U	0.250	mg/Kg wet							
Cadmium	U	0.250	mg/Kg wet							
Chromium	U	0.250	mg/Kg wet							
Lead	U	0.250	mg/Kg wet							

**LCS (X006724-BS1)**

Prepared: 12/01/2014 Analyzed: 12/02/2014

Arsenic	24.7	0.500	mg/Kg wet	25.000		99	85-115			
Barium	25.3	0.250	mg/Kg wet	25.000		101	85-115			
Cadmium	25.0	0.250	mg/Kg wet	25.000		100	85-115			
Chromium	25.4	0.250	mg/Kg wet	25.000		102	85-115			
Lead	24.9	0.250	mg/Kg wet	25.000		99	85-115			

**Matrix Spike (X006724-MS1)**

Source: 14L0004-01

Prepared: 12/01/2014 Analyzed: 12/02/2014

Arsenic	27.0	0.521	mg/Kg dry	26.047	1.78	97	75-125			
Barium	28.7	0.260	mg/Kg dry	26.047	3.57	96	75-125			
Cadmium	24.2	0.260	mg/Kg dry	26.047	0.136	92	75-125			
Chromium	28.6	0.260	mg/Kg dry	26.047	2.96	99	75-125			
Lead	26.1	0.260	mg/Kg dry	26.047	2.14	92	75-125			

**Matrix Spike Dup (X006724-MSD1)**

Source: 14L0004-01

Prepared: 12/01/2014 Analyzed: 12/02/2014

Arsenic	26.9	0.521	mg/Kg dry	26.047	1.78	96	75-125	0.3	20	
Barium	29.0	0.260	mg/Kg dry	26.047	3.57	97	75-125	1	20	
Cadmium	24.5	0.260	mg/Kg dry	26.047	0.136	94	75-125	1	20	
Chromium	28.7	0.260	mg/Kg dry	26.047	2.96	99	75-125	0.3	20	
Lead	26.3	0.260	mg/Kg dry	26.047	2.14	93	75-125	0.9	20	

Prairie Analytical Systems, Inc.

Date: 12/8/2014

## LABORATORY RESULTS

Client: True North Consultants  
 Project: Roselle Rd/Shauburg Rd

Lab Order: 14K0473

## SPLP Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch X006837 - SW 3005A Metals</b>										
<b>Blank (X006837-BLK1)</b>										
Prepared: 12/05/2014 Analyzed: 12/06/2014										
Chromium	U	0.00500	mg/L							
<b>Blank (X006837-BLK2)</b>										
Prepared: 12/05/2014 Analyzed: 12/06/2014										
Chromium	U	0.00500	mg/L							
<b>LCS (X006837-BS1)</b>										
Prepared: 12/05/2014 Analyzed: 12/06/2014										
Chromium	0.532	0.00500	mg/L	0.50000		106	85-115			
<b>Matrix Spike (X006837-MS1)</b>										
Source: 14K0473-02										
Prepared: 12/05/2014 Analyzed: 12/06/2014										
Chromium	0.605	0.00500	mg/L	0.50000	0.0949	102	75-125			
<b>Matrix Spike Dup (X006837-MSD1)</b>										
Source: 14K0473-02										
Prepared: 12/05/2014 Analyzed: 12/06/2014										
Chromium	0.588	0.00500	mg/L	0.50000	0.0949	99	75-125	3	20	

Prairie Analytical Systems, Inc.

Date: 12/8/2014

**LABORATORY RESULTS**

**Client:** True North Consultants  
**Project:** Roselle Rd/Shamburg Rd

**Lab Order:** 14K0473

**Conventional Chemistry Parameters - Quality Control**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch X006680 - SW 9045C pH**

**Duplicate (X006680-DUP1)**

**Source: 14K0433-01**

**Prepared & Analyzed: 11/26/2014**

pH	7.5	0.010	pH Units		7.7			3	5	
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**Batch X006731 - ASTM D2974 Solids**

**Blank (X006731-BLK1)**

**Prepared: 12/01/2014 Analyzed: 12/02/2014**

Percent Solids	U	0.100	%							
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**Duplicate (X006731-DUP1)**

**Source: 14L0003-05**

**Prepared: 12/01/2014 Analyzed: 12/02/2014**

Percent Solids	80.8	0.100	%		81.0			0.3	20	
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Prairie Analytical Systems, Inc.

Date: 12/8/2014

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**LABORATORY RESULTS**

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Client: True North Consultants  
Project: Roselle Rd/Shauburg Rd

Lab Order: 14K0473

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**Notes and Definitions**

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- R RPD outside acceptance limits.
- M Reporting limit set between LOQ and MDL.
- \* NELAC certified compound.
- U Analyte not detected (i.e. less than RL or MDL).



# Chain of Custody Record

Central IL - 1210 Capital Airport Drive - Springfield, IL 62707-8490 - Phone (217) 753-1148 - Facsimile (217) 753-1152  
 Chicago IL Office - 9114 Virginia Rd., Ste 112 - Lake in the Hills, IL 60156 - Phone (847) 651-2604 - Facsimile (847) 458-9680  
 Central/Southern IL Office - Phone (217) 414-7762 - Facsimile (217) 223-7922



www.prairieanalytical.com

Client		Analysis and/or Method Requested										Reporting										
True North Consultants		1240 Iroquois Avenue, Suite 206		Naperville, Illinois 60563		630.717.2880/630.689.5881		Roselle Rd./Schaumburg Rd.		Roselle Rd./Schaumburg Rd., Schaumburg		T114697		Joe Reed/ Brian Mithelich/ Marjory McMahon		<input checked="" type="checkbox"/> MAC <input type="checkbox"/> CCDD <input type="checkbox"/> A <input type="checkbox"/> D <input type="checkbox"/> B <input type="checkbox"/> E <input type="checkbox"/> C <input type="checkbox"/> F <input type="checkbox"/> Resid <input type="checkbox"/> Includ						
Address	City/State/Zip Code	Phone / Facsimile	Project Name / Number	Project Location	P.O. # or Invoice To	Contact Person	Sample Description	Date	Sampling Time	Matrix Code	Preserv Code	No. of Containers	Sample Type	VOC	BETX/MTBE	SVOC	PNA	RCRA Metals	PCB	PH	Temperature (°C)	
							B-2A	22-Nov	940	S	5	4	X					X				
							P-2A	22-Nov	1030	S	5	4	X	X				X				
							P-4A	22-Nov	845	S	5	4	X	X				X				
Matrix Code: A - Aqueous 0 - None Preserv Code: DW - Drinking Water 1 - HCl GW - Ground Water 2 - H2SO4 MA - Non-Aqueous Liquid 3 - HNO3 S - Solid 4 - NaOH O - Oil 5 - 5035 Kit X - Other (Specify) X - Other (Specify)																						
Relinquished By: <i>Joseph R Reed</i> Date: <i>11/24/14</i> Time: <i>1605</i> Received By: <i>Andrew...</i> Date: <i>11/24/14</i> Time: <i>1700</i> Date Required: <i>11/24/14</i> Time: <i>1030</i> Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> On wet ice? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Temperature (°C): <i>3.5</i>																						



**STATE OF ILLINOIS**  
**ENVIRONMENTAL PROTECTION AGENCY**  
**NELAP - RECOGNIZED**  
**ENVIRONMENTAL LABORATORY ACCREDITATION**

is hereby granted to

**PRAIRIE ANALYTICAL SYSTEMS, INCORPORATED**  
**1210 CAPITAL AIRPORT DRIVE**  
**SPRINGFIELD, IL 62707-8413**  
**NELAP ACCREDITED**  
**ACCREDITATION NUMBER #100323**



According to the Illinois Administrative Code, Title 35, Subtitle A, Chapter II, Part 186, ACCREDITATION OF LABORATORIES FOR DRINKING WATER, WASTEWATER AND HAZARDOUS WASTES ANALYSIS, the State of Illinois formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed below.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part 186 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part 186. Please contact the Illinois EPA Environmental Laboratory Accreditation Program (IL ELAP) to verify the laboratory's scope of accreditation and accreditation status. Accreditation by the State of Illinois is not an endorsement or a guarantee of validity of the data generated by the laboratory.

*Celeste M. Crowley*

Celeste M. Crowley  
 Acting Manager  
 Environmental Laboratory Accreditation Program

*John D. South*

John South  
 Accreditation Officer  
 Environmental Laboratory Accreditation Program

Certificate No.: 003584  
 Expiration Date: 01/31/2016  
 Issued On: 03/12/2015

**State of Illinois  
Environmental Protection Agency**

Certificate No.: 003584

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**Awards the Certificate of Approval to:**

Prairie Analytical Systems, Incorporated  
1210 Capital Airport Drive  
Springfield, IL 62707-8413

According to the Illinois Administrative Code, Title 35, Subtitle A, Chapter II, Part 186, ACCREDITATION OF LABORATORIES FOR DRINKING WATER, WASTEWATER AND HAZARDOUS WASTES ANALYSIS, the State of Illinois formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed below.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part 186 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part 186. Please contact the Illinois Environmental Laboratory Accreditation Program (IL ELAP) to verify the laboratory's scope of accreditation and accreditation status. Accreditation the State of Illinois is not an endorsement or a guarantee of validity of the data generated by the laboratory.

**FOT Name: Drinking Water, Inorganic**

**Method: SM2130B,18Ed**

**Matrix Type: Potable Water**

Turbidity

**Method: SM2320B,18Ed**

**Matrix Type: Potable Water**

Alkalinity

**Method: SM2340B,18Ed**

**Matrix Type: Potable Water**

Hardness

**Method: SM4110B,18Ed**

**Matrix Type: Potable Water**

Chloride

Fluoride

Nitrate

Nitrite

Orthophosphate

Sulfate

**Method: SM4500CN-E,18Ed**

**Matrix Type: Potable Water**

Cyanide

**Method: SM4500H-B,18Ed**

**Matrix Type: Potable Water**

Hydrogen ion (pH)

**Method: SM5310C,20Ed**

**Matrix Type: Potable Water**

Total Organic Carbon (TOC)

**Method: USEPA150.1**

**Matrix Type: Potable Water**

Hydrogen ion (pH)

**Method: USEPA180.1**

**Matrix Type: Potable Water**

Turbidity

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**FOT Name: Drinking Water, Inorganic**

**Method: USEPA200.7R4.4**

**Matrix Type: Potable Water**

Aluminum	Arsenic
Barium	Beryllium
Cadmium	Calcium
Chromium	Copper
Hardness (calc.)	Iron
Magnesium	Manganese
Nickel	Silver
Sodium	Zinc

**Method: USEPA200.8R5.4**

**Matrix Type: Potable Water**

Aluminum	Antimony
Arsenic	Barium
Beryllium	Cadmium
Chromium	Copper
Lead	Manganese
Mercury	Molybdenum
Nickel	Selenium
Silver	Thallium
Zinc	

**Method: USEPA245.2**

**Matrix Type: Potable Water**

Mercury

**Method: USEPA300.0R2.1**

**Matrix Type: Potable Water**

Chloride	Fluoride
Nitrate	Nitrite
Orthophosphate	Sulfate

**FOT Name: Drinking Water, Organic**

**Method: USEPA524.2R4.1**

**Matrix Type: Potable Water**

1,1,1-Trichloroethane	1,1,2-Trichloroethane
1,1-Dichloroethene	1,2,4-Trichlorobenzene
1,2-Dichlorobenzene	1,2-Dichloroethane

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**FOT Name: Drinking Water, Organic**

**Method: USEPA524.2R4.1**

**Matrix Type: Potable Water**

1,4-Dichlorobenzene  
Bromodichloromethane  
Chlorobenzene  
Chloroform  
Dichloromethane (Methylene chloride)  
Methyl tert-butyl ether (MTBE)  
Styrene  
Toluene  
trans-1,2-Dichloroethene  
Vinyl chloride

1,2-Dichloropropane  
Benzene  
Bromoform  
Chlorodibromomethane  
cis-1,2-Dichloroethene  
Ethylbenzene  
Naphthalene  
Tetrachloroethene  
Total trihalomethanes  
Trichloroethylene  
Xylenes (total)

**Method: USEPA525.2R2.0**

**Matrix Type: Potable Water**

4,4'-DDT  
Aldrin  
Benzo(a)pyrene  
Di (2-ethylhexyl) phthalate  
gamma-BHC (Lindane)  
Hexachlorocyclopentadiene  
Simazine

Alachlor  
Atrazine  
Di (2-ethylhexyl) adipate  
Dieldrin  
Heptachlor epoxide  
Methoxychlor

**FOT Name: Non Potable Water, Inorganic**

**Method: SM2130B,2001**

**Matrix Type: NPW/SCM**

Turbidity

**Method: SM2310B,1997**

**Matrix Type: NPW/SCM**

Acidity

**Method: SM2320B,1997**

**Matrix Type: NPW**

Alkalinity

**Method: SM2340B,1997**

**Matrix Type: NPW**

Hardness

**Method: SM2540B,1997**

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**FOT Name: Non Potable Water, Inorganic**

**Method: SM2540B,1997**

**Matrix Type: NPW**

Residue (Total)

**Method: SM2540C,1997**

**Matrix Type: NPW**

Residue (TDS)

**Method: SM2540D,1997**

**Matrix Type: NPW**

Residue (TSS)

**Method: SM3500Cr-B,2009**

**Matrix Type: NPW/SCM**

Chromium VI

**Method: SM4110B,2000**

**Matrix Type: NPW/SCM**

Bromide

Fluoride

Nitrate-Nitrite (as N)

Orthophosphate (as P)

**Method: SM4500CN-E,1999**

**Matrix Type: NPW**

Cyanide

**Method: SM4500H-B,2000**

**Matrix Type: NPW**

Hydrogen Ion (pH)

**Method: SM4500NH3-D,1997**

**Matrix Type: NPW/SCM**

Ammonia

**Method: SM4500O-G,2001**

**Matrix Type: NPW**

Oxygen - Dissolved

**Method: SM4500P-E,1999**

**Matrix Type: NPW**

Orthophosphate (as P)

**Method: SM4500S<sub>2</sub>-F,2000**

**Matrix Type: NPW/SCM**

Chloride

Nitrate

Nitrite

Sulfate

Total Kjeldahl Nitrogen

Phosphorus

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**FOT Name: Non Potable Water, Inorganic**

**Method: SM4500S<sub>2</sub>-F,2000**

**Matrix Type: NPW/SCM**

Sulfide

**Method: SM5210B,2001**

**Matrix Type: NPW**

Biochemical Oxygen Demand (BOD)

**Matrix Type: NPW/SCM**

Carbonaceous Biochemical Oxygen Demand (CBO)

**Method: SM5220D,1997**

**Matrix Type: NPW**

Chemical Oxygen Demand (COD)

**Method: SM5310C,2000**

**Matrix Type: NPW**

Total Organic Carbon (TOC)

**Method: USEPA160.4,1971**

**Matrix Type: NPW**

Residue (Volatile)

**Method: USEPA1664A**

**Matrix Type: NPW**

Oil and Grease

**Method: USEPA180.1R2.0,1993**

**Matrix Type: NPW**

Turbidity

**Method: USEPA200.7,1994**

**Matrix Type: NPW/SCM**

Aluminum

Antimony

Arsenic

Barium

Beryllium

Cadmium

Calcium

Chromium

Cobalt

Copper

Iron

Lead

Magnesium

Manganese

Molybdenum

Nickel

Potassium

Selenium

Silver

Sodium

Thallium

Tin

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**FOT Name: Non Potable Water, Inorganic**

**Method: USEPA200.7,1994**

**Matrix Type: NPW/SCM**

Vanadium

**Method: USEPA200.8,1994**

**Matrix Type: NPW/SCM**

Aluminum

Arsenic

Beryllium

Cadmium

Chromium

Copper

Lead

Manganese

Nickel

Selenium

Sodium

Tin

Vanadium

**Method: USEPA245.2,1974**

**Matrix Type: NPW/SCM**

Mercury

**Method: USEPA300.0R2.1,1993**

**Matrix Type: NPW**

Bromide

Fluoride

Nitrate-Nitrite (as N)

Orthophosphate (as P)

**Method: USEPA410.4R2.0,1993**

**Matrix Type: NPW**

Chemical Oxygen Demand (COD)

**Method: USEPA420.1,1978**

**Matrix Type: NPW**

Phenolics

**FOT Name: Solid and Chemical Materials, Inorganic**

**Method: 1010A**

Titanium

Zinc

Antimony

Barium

Boron

Calcium

Cobalt

Iron

Magnesium

Molybdenum

Potassium

Silver

Thallium

Titanium

Zinc

Chloride

Nitrate

Nitrite

Sulfate



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**FOT Name: Solid and Chemical Materials, Inorganic**

**Method: 1010A**

**Matrix Type: NPW/SCM**

Ignitability

**Method: 1311**

**Matrix Type: SCM**

TCLP (Organic and Inorganic)

**Method: 1312**

**Matrix Type: SCM**

Synthetic Precipitation Leaching Procedure

**Method: 6010B**

**Matrix Type: NPW/SCM**

Aluminum

Arsenic

Beryllium

Calcium

Cobalt

Iron

Magnesium

Molybdenum

Potassium

Silver

Strontium

Tin

Vanadium

Antimony

Barium

Cadmium

Chromium

Copper

Lead

Manganese

Nickel

Selenium

Sodium

Thallium

Titanium

Zinc

**Method: 6020A**

**Matrix Type: NPW/SCM**

Aluminum

Arsenic

Beryllium

Cadmium

Chromium

Copper

Lead

Manganese

Molybdenum

Antimony

Barium

Boron

Calcium

Cobalt

Iron

Magnesium

Mercury

Nickel

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**FOT Name: Solid and Chemical Materials, Inorganic**

**Method: 6020A**

**Matrix Type: NPW/SCM**

Selenium

Sodium

Vanadium

Potassium

Silver

Thallium

Zinc

**Method: 7196A**

**Matrix Type: NPW/SCM**

Chromium VI

**Method: 7470A**

**Matrix Type: NPW**

Mercury

**Method: 7471B**

**Matrix Type: SCM**

Mercury

**Method: 9014**

**Matrix Type: NPW/SCM**

Cyanide

**Method: 9034**

**Matrix Type: NPW/SCM**

Sulfides

**Method: 9040B**

**Matrix Type: NPW**

Hydrogen Ion (pH)

**Method: 9040C**

**Matrix Type: NPW**

Hydrogen Ion (pH)

**Method: 9045C**

**Matrix Type: SCM**

Hydrogen Ion (pH)

**Method: 9045D**

**Matrix Type: SCM**

Hydrogen Ion (pH)

**Method: 9056A**

**Matrix Type: NPW/SCM**

Bromide

Chloride

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**FOT Name: Solid and Chemical Materials, Inorganic**

**Method: 9056A**

**Matrix Type: NPW/SCM**

Nitrate

Phosphate

Fluoride

Nitrite

Sulfate

**Method: 9065**

**Matrix Type: NPW/SCM**

Phenolics

**Method: 9081**

**Matrix Type: NPW/SCM**

Cation-exchange Capacity

**Method: 9095A**

**Matrix Type: NPW/SCM**

Paint Filter

**FOT Name: Solid and Chemical Materials, Organic**

**Method: 8015B**

**Matrix Type: NPW/SCM**

Diesel range organics (DRO)

Gasoline range organics (GRO)

**Method: 8081A**

**Matrix Type: NPW/SCM**

4,4'-DDD

4,4'-DDT

alpha-BHC

beta-BHC

delta-BHC

Endosulfan I

Endosulfan sulfate

Endrin aldehyde

gamma-BHC (Lindane)

Heptachlor

Methoxychlor

4,4'-DDE

Aldrin

alpha-Chlordane

Chlordane - not otherwise specified

Dieldrin

Endosulfan II

Endrin

Endrin ketone

gamma-Chlordane

Heptachlor epoxide

Toxaphene

**Method: 8082**

**Matrix Type: NPW/SCM**

PCB-1016

PCB-1232

PCB-1248

PCB-1221

PCB-1242

PCB-1254

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Prairie Analytical Systems, Incorporated  
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FOT Name: Solid and Chemical Materials, Organic

Method: 8082

Matrix Type: NPW/SCM

PCB-1260

Method: 8260B

Matrix Type: NPW/SCM

1,1,1,2-Tetrachloroethane	1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane	1,1,2-Trichloroethane
1,1-Dichloroethane	1,1-Dichloroethene
1,1-Dichloropropene	1,2,3-Trichlorobenzene
1,2,3-Trichloropropane	1,2,4-Trichlorobenzene
1,2,4-Trimethylbenzene	1,2-Dibromo-3-chloropropane (DBCP)
1,2-Dibromoethane (EDB)	1,2-Dichlorobenzene
1,2-Dichloroethane	1,2-Dichloropropane
1,3,5-Trimethylbenzene	1,3-Dichlorobenzene
1,3-Dichloropropane	1,4-Dichlorobenzene
2,2-Dichloropropane	2-Butanone (Methyl ethyl ketone, MEK)
2-Chloroethyl vinyl ether	2-Chlorotoluene
2-Hexanone	4-Chlorotoluene
4-Methyl-2-pentanone (Methyl isobutyl ketone, MIBK)	Acetone
Acetonitrile	Acrolein (Propenal)
Acrylonitrile	Benzene
Bromobenzene	Bromochloromethane
Bromodichloromethane	Bromoform
Bromomethane	Carbon disulfide
Carbon tetrachloride	Chlorobenzene
Chlorodibromomethane (Dibromochloromethane)	Chloroethane
Chloroform	Chloromethane
cis-1,2-Dichloroethene	cis-1,3-Dichloropropene
Dibromomethane	Dichlorodifluoromethane
Dichloromethane (Methylene chloride)	Ethylbenzene
Hexachlorobutadiene	Isopropylbenzene
Methyl-t-butyl ether	Naphthalene
n-Butylbenzene	n-Propylbenzene
p-Isopropyltoluene	sec-Butylbenzene
Styrene	tert-Butylbenzene
Tetrachloroethene	Toluene
trans-1,2-Dichloroethene	trans-1,3-Dichloropropene

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Prairie Analytical Systems, Incorporated  
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**FOT Name: Solid and Chemical Materials, Organic**

**Method: 8260B**

**Matrix Type: NPW/SCM**

Trichlorofluoromethane  
Vinyl chloride

Trichloroethene  
Vinyl acetate  
Xylenes (Total)

**Method: 8270C**

**Matrix Type: NPW/SCM**

1,2,4-Trichlorobenzene  
1,3-Dichlorobenzene  
2,4,5-Trichlorophenol  
2,4-Dichlorophenol  
2,4-Dinitrophenol  
2,6-Dinitrotoluene (2,6-DNT)  
2-Chlorophenol  
2-Methylphenol (o-Cresol)  
2-Nitrophenol  
3-Nitroaniline  
4-Bromophenyl phenyl ether  
4-Chloroaniline  
4-Methylphenol (p-Cresol)  
4-Nitrophenol  
Acenaphthylene  
Benzo(a)anthracene  
Benzo(b)fluoranthene  
Benzo(k)fluoranthene  
Bis(2-chloroethyl) ether  
Bis(2-ethylhexyl) phthalate  
Carbazole  
Chlorobenzilate  
Dibenz(a,h)anthracene  
Diethyl phthalate  
Di-n-butyl phthalate  
Fluoranthene  
Hexachlorobenzene  
Hexachlorocyclopentadiene  
Indeno(1,2,3-cd) pyrene  
Naphthalene

1,2-Dichlorobenzene  
1,4-Dichlorobenzene  
2,4,6-Trichlorophenol  
2,4-Dimethylphenol  
2,4-Dinitrotoluene (2,4-DNT)  
2-Chloronaphthalene  
2-Methylnaphthalene  
2-Nitroaniline  
3,3'-Dichlorobenzidine  
4,6-Dinitro-2-methylphenol  
4-Chloro-3-methylphenol  
4-Chlorophenyl phenyl ether  
4-Nitroaniline  
Acenaphthene  
Anthracene  
Benzo(a)pyrene  
Benzo(g,h,i)perylene  
Bis(2-chloroethoxy) methane  
Bis(2-chloroisopropyl) ether  
Butyl benzyl phthalate  
Carbofuran (Furaden)  
Chrysene  
Dibenzofuran  
Dimethyl phthalate  
Di-n-octyl phthalate  
Fluorene  
Hexachlorobutadiene  
Hexachloroethane  
Isophorone  
Nitrobenzene

**State of Illinois  
Environmental Protection Agency**

Certificate No.: 003584

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**FOT Name: Solid and Chemical Materials, Organic**

**Method: 8270C**

**Matrix Type: NPW/SCM**

N-Nitrosodi-n-propylamine  
o-Cresol (2-Methylphenol)  
Pentachlorophenol  
Phenol

N-Nitrosodimethylamine  
N-Nitrosodiphenylamine  
p-Cresol (4-Methylphenol)  
Phenanthrene  
Pyrene

**Method: 8270C Mod\_Farm Chemicals**

**Matrix Type: NPW/SCM**

Acetochlor  
Atrazine  
Chlorpyrifos  
EPTC  
Metribuzin  
Prometon  
Terbufos

Alachlor  
Butylate  
Cyanazine  
Metolachlor  
Pendimethalin  
Simazine  
Trifluralin

**Method: 8321B**

**Matrix Type: NPW/SCM**

2,4,5-T  
2,4-D  
Aldicarb (Temik)  
Dalapon  
Dinoseb  
MCP

2,4,5-TP (Silvex)  
2,4-DB  
Carbofuran (Furaden)  
Dicamba  
MCPA  
Oxamyl

# EDR VISTACheck® Report

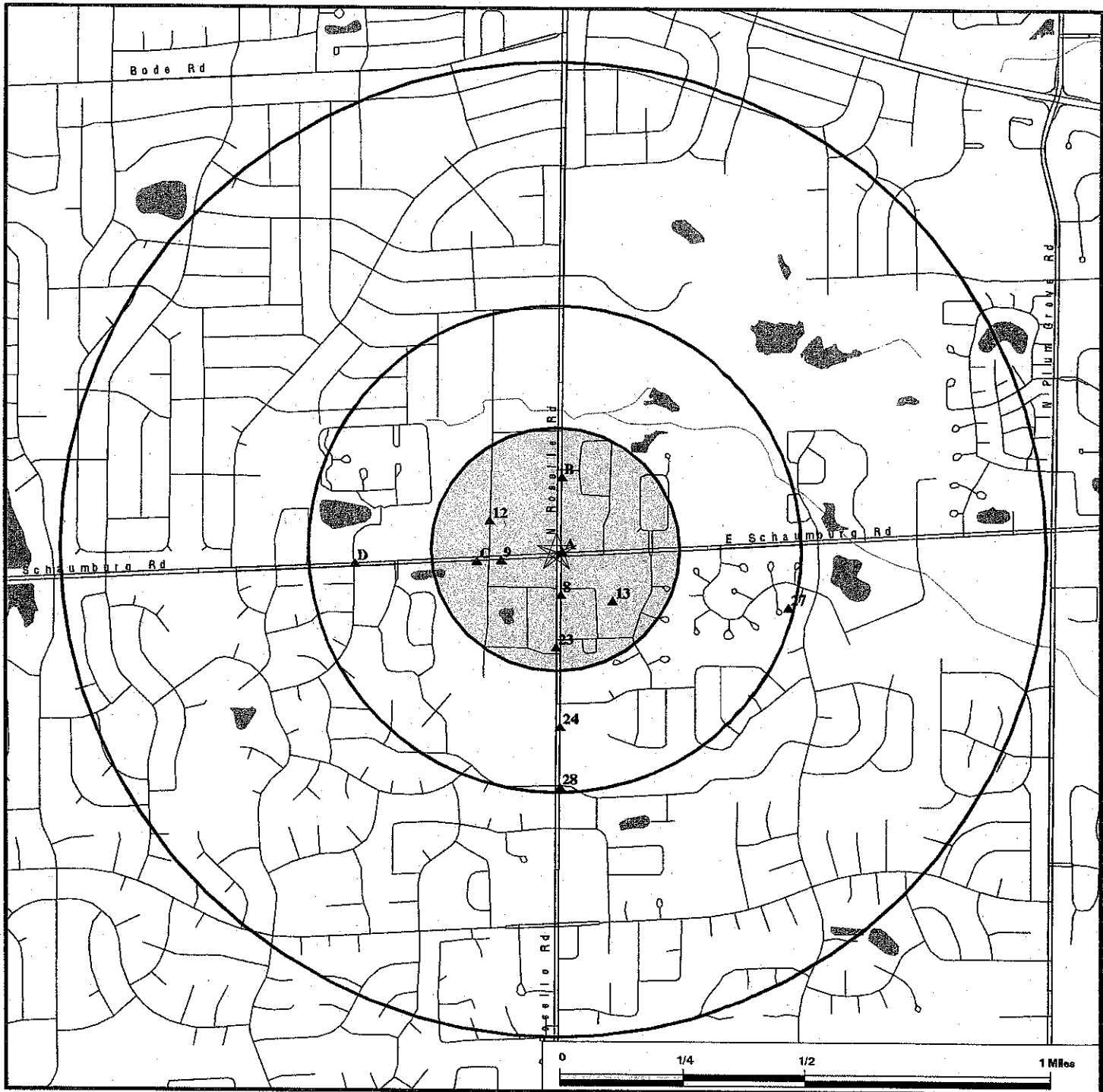





Winston Engineering  
Roselle & Schaumburg  
Schaumburg, IL 60194

Latitude (North): 42.027485 - 42°01'38.946"  
Longitude (West): 88.080023 - 88°04'48.0828"

April 13, 2014

**Nationwide Customer Service**  
Telephone: 1-800-352-0050  
Internet: www.edrnet.com



- ★ Target Property
- ▲ Toxic Sites
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA

**EDR VISTACheck® Report**

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Orphan Summary	29

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## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b>Federal NPL site list</b>								
NPL	0.500		0	0	0	NR	NR	0
Proposed NPL	0.500		0	0	0	NR	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<b>Federal Delisted NPL site list</b>								
Delisted NPL	0.500		0	0	0	NR	NR	0
<b>Federal CERCLIS list</b>								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	1.000		0	0	0	0	NR	0
<b>Federal CERCLIS NFRAP site List</b>								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
<b>Federal RCRA CORRACTS facilities list</b>								
CORRACTS	0.500		0	0	0	NR	NR	0
<b>Federal RCRA non-CORRACTS TSD facilities list</b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b>Federal RCRA generators list</b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		1	1	NR	NR	NR	2
RCRA-CESQG	0.250		0	1	NR	NR	NR	1
<b>Federal institutional controls / engineering controls registries</b>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<b>Federal ERNS list</b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b>State- and tribal - equivalent CERCLIS</b>								
SSU	0.500		0	0	0	NR	NR	0
<b>State and tribal landfill and/or solid waste disposal site lists</b>								
SWF/LF	0.500		0	0	0	NR	NR	0
LF SPECIAL WASTE	0.500		0	0	0	NR	NR	0
IL NIPC	0.500		0	0	1	NR	NR	1
CCDD	0.500		0	0	0	NR	NR	0
<b>State and tribal leaking storage tank lists</b>								
LUST	0.500		2	3	2	NR	NR	7

## MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LUST TRUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
<b>State and tribal registered storage tank lists</b>								
UST	0.250		1	2	NR	NR	NR	3
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal institutional control / engineering control registries</b>								
ENG CONTROLS	0.500		1	0	0	NR	NR	1
INST CONTROL	0.500		1	0	1	NR	NR	2
<b>State and tribal voluntary cleanup sites</b>								
INDIAN VCP	0.500		0	0	0	NR	NR	0
SRP	0.500		1	0	1	NR	NR	2
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US CDL	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP		NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	0.500		0	0	0	NR	NR	0
FUDS	0.500		0	0	0	NR	NR	0
CONSENT	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY
----------------------

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ROD	0.500		0	0	0	NR	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
HVAR	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
IMPDMNT	0.500		0	0	0	NR	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	0.500		0	0	0	NR	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
PIMW	0.250		0	0	NR	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
BOL	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0

**EDR HIGH RISK HISTORICAL RECORDS*****EDR Exclusive Records***

EDR MGP	0.500		0	0	0	NR	NR	0
EDR US Hist Auto Stat	0.250		2	2	NR	NR	NR	4
EDR US Hist Cleaners	0.250		1	0	NR	NR	NR	1

**EDR RECOVERED GOVERNMENT ARCHIVES*****Exclusive Recovered Govt. Archives***

RGA LF	0.500		0	0	0	NR	NR	0
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MAP FINDINGS SUMMARY
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<u>Database</u>	<u>Search Distance (Miles)</u>	<u>Target Property</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
RGA HWS	0.500		0	0	0	NR	NR	0
RGA LUST	0.500		0	5	1	NR	NR	6

## NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database



MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)Site

EDR ID Number  
 Database(s) EPA ID Number

**MARATHON OIL CO UNIT 2279 (Continued)**

**1000688946**

Underground injection activity: No  
 On-site burner exemption: No  
 Furnace exemption: No  
 Used oil fuel burner: No  
 Used oil processor: No  
 User oil refiner: No  
 Used oil fuel marketer to burner: No  
 Used oil Specification marketer: No  
 Used oil transfer facility: No  
 Used oil transporter: No

**Hazardous Waste Summary:**

Waste code: D001  
 Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D008  
 Waste name: LEAD

Violation Status: No violations found

**FINDS:**

Registry ID: 110007546352

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

A3  
 ENE  
 < 1/8  
 0.014 mi.  
 73 ft.

**MARATHON OIL CO.  
 ROSELLE & SCHAUMBURG RD.  
 SCHAUMBURG, IL 60172**

**LUST S103690163  
 N/A**

**Site 3 of 7 in cluster A**

**LUST:**

Incident Num: 901099  
 IL EPA Id: 0312820020  
 Product: Gasoline, Uset Oil  
 IEMA Date: 04/25/1990  
 Project Manager: Malcom  
 Project Manager Phone: (217) 524-9140  
 Email: James.Malcom@illinois.gov  
 PRP Name: Emro Marketing  
 PRP Contact: R.G. Schumann  
 PRP Address: P.O. Box 162  
 PRP City,St,Zip: East Hazel Crest, IL 60429-0162  
 PRP Phone: Not reported

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**MARATHON OIL CO. (Continued)**

S103690163

Site Classification: Not reported  
 Section 57.5(g) Letter: 731  
 Date Section 57.5(g) Letter: Not reported  
 Non LUST Determination Letter: Not reported  
 20 Report Received: Not reported  
 45 Report Received: Not reported  
**NFA/NFR Letter: 04/03/2003**  
 NFR Date Recorded: 08/13/2003

A4  
 ENE  
 < 1/8  
 0.014 mi.  
 73 ft.

**MARATHON UNIT #2279**  
**2 N ROSELLE & SCHAUMBURG RDS**  
**SCHAUMBURG, IL 60194**

UST U000793157  
 N/A

Site 4 of 7 in cluster A

UST:

Facility ID: 2013803  
 Facility Status: CLOSED  
 Facility Type: **NONE**  
 Owner Id: U0009663  
 Owner Name: Marathon Oil Company  
 Owner Address: 539 Main Street  
 Owner City,St,Zip: Findlay, OH 45840

Tank Number: 1  
**Tank Status: Removed**  
 Tank Capacity: 3000  
 Tank Substance: Gasoline  
 Last Used Date: Not reported  
 OSFM First Notify Date: 4/30/1986  
 Red Tag Issue Date: Not reported  
 Install Date: Not reported  
**Green Tag Decal: Not reported**  
**Green Tag Issue Date: Not reported**  
**Green Tag Expire Date: Not reported**  
**Self Service Permit Inspection Date: Not reported**  
**Self Service Permit Expire Date: Not reported**  
 Fee Due: Not reported

Tank Number: 2  
**Tank Status: Removed**  
 Tank Capacity: 3000  
 Tank Substance: Gasoline  
 Last Used Date: Not reported  
 OSFM First Notify Date: 4/30/1986  
 Red Tag Issue Date: Not reported  
 Install Date: Not reported  
**Green Tag Decal: Not reported**  
**Green Tag Issue Date: Not reported**  
**Green Tag Expire Date: Not reported**  
**Self Service Permit Inspection Date: Not reported**  
**Self Service Permit Expire Date: Not reported**  
 Fee Due: Not reported

Tank Number: 3  
**Tank Status: Removed**

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)Site

EDR ID Number  
 EPA ID Number

Database(s)

**MARATHON UNIT #2279 (Continued)**

**U000793157**

Tank Capacity: 3000  
 Tank Substance: Gasoline  
 Last Used Date: Not reported  
 OSFM First Notify Date: 4/30/1986  
 Red Tag Issue Date: Not reported  
 Install Date: Not reported  
**Green Tag Decal: Not reported**  
**Green Tag Issue Date: Not reported**  
**Green Tag Expire Date: Not reported**  
**Self Service Permit Inspection Date: Not reported**  
**Self Service Permit Expire Date: Not reported**  
 Fee Due: Not reported

Tank Number: 4  
**Tank Status: Removed**  
 Tank Capacity: 3000  
 Tank Substance: Gasoline  
 Last Used Date: Not reported  
 OSFM First Notify Date: 4/30/1986  
 Red Tag Issue Date: Not reported  
 Install Date: Not reported  
**Green Tag Decal: Not reported**  
**Green Tag Issue Date: Not reported**  
**Green Tag Expire Date: Not reported**  
**Self Service Permit Inspection Date: Not reported**  
**Self Service Permit Expire Date: Not reported**  
 Fee Due: Not reported

Tank Number: 5  
**Tank Status: Removed**  
 Tank Capacity: 550  
 Tank Substance: Used Oil  
 Last Used Date: Not reported  
 OSFM First Notify Date: 4/30/1986  
 Red Tag Issue Date: Not reported  
 Install Date: Not reported  
**Green Tag Decal: Not reported**  
**Green Tag Issue Date: Not reported**  
**Green Tag Expire Date: Not reported**  
**Self Service Permit Inspection Date: Not reported**  
**Self Service Permit Expire Date: Not reported**  
 Fee Due: Not reported

A5  
 East  
 < 1/8  
 0.017 mi.  
 88 ft.

15 N ROSELLE RD  
 SCHAUMBURG, IL 60194  
 Site 5 of 7 in cluster A

EDR US Hist Auto Stat 1015236373  
 N/A

EDR Historical Auto Stations:

Name: RIVERSIDE CAR CARE INC  
 Year: 2005  
 Address: 15 N ROSELLE RD



MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**A6**  
**SSE** 1 S ROSELLE RD  
 < 1/8 SCHAUMBURG, IL 60193  
 0.019 mi.  
 102 ft. Site 6 of 7 in cluster A

EDR US Hist Auto Stat 1015116311  
 N/A

EDR Historical Auto Stations:

Name: GERBER AUTO REBUILDERS  
 Year: 2001  
 Address: 1 S ROSELLE RD

**A7**  
**ESE** EMRO MARKETING  
 < 1/8 SCHAUMBURG & ROSELLE  
 0.024 mi. SCHAUMBURG, IL 60172  
 129 ft. Site 7 of 7 in cluster A

LUST S103690148  
 N/A

LUST:

Incident Num: 890588  
 IL EPA Id: 0312820020  
 Product: Gasoline, Used Oil  
 IEMA Date: 04/14/1989  
 Project Manager: Malcom  
 Project Manager Phone: (217) 524-9140  
 Email: James.Malcom@illinois.gov  
 PRP Name: Emro Marketing  
 PRP Contact: R.G. Schumann  
 PRP Address: P.O. Box 162  
 PRP City,St,Zip: East Hazel Crest, IL 60429-0162  
 PRP Phone: Not reported  
 Site Classification: Not reported  
 Section 57.5(g) Letter: 731  
 Date Section 57.5(g) Letter: Not reported  
 Non LUST Determination Letter: Not reported  
 20 Report Received: Not reported  
 45 Report Received: Not reported  
 NFA/NFR Letter: 04/03/2003  
 NFR Date Recorded: 08/13/2003

**8**  
**South** RAM PROPERTY INVESTMENTS  
 < 1/8 33 SOUTH ROSELL ROAD  
 0.093 mi. SCHAUMBURG, IL 60193  
 491 ft.

ENG CONTROLS S110613955  
 INST CONTROL N/A  
 SRP

ENGINEERING CONTROLS:

Illinois Epa Id: 0314895247  
 NFR Letter: 10/19/2010  
 Date NFR Recorded: 11/04/2010  
 Type Of Site: Residential  
 Comprehensive / Focused: Focused  
 Remediation Applicant Title: Mr.  
 Remediation Applicant Name: Robert Migliore  
 RA Company: RAM Property Investments, Inc.  
 RA Address: 16 North Roselle Road  
 RA Secondary Address: Not reported  
 RA City,St,Zip: Schaumburg, IL 60194-  
 Institutional Controls: Ground use restriction

## MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

## RAM PROPERTY INVESTMENTS (Continued)

S110613955

Engineered Barriers: Asphalt barrier  
 Worker Caution: True  
 Acres: 0.489

## IL INSTITUTIONAL CONTROL:

Illinois EPA Id: 0314895247  
 NFR Letter: 10/19/2010  
 Date NFR Recorded: 11/04/2010  
 Type Of Site: Residential  
 Comprehensive / Focused: Focused  
 Remediation Applicant Title: Mr.  
 Remediation Applicant Name: Robert Migliore  
 RA Company: RAM Property Investments, Inc.  
 RA Address: 16 North Roselle Road  
 RA Secondary Address: Not reported  
 RA City,St,Zip: Schaumburg, IL 60194-  
 Institutional Controls: Ground use restriction  
 Engineered Barriers: Asphalt barrier  
 Worker Caution: True  
 Acres: 0.489

## SRP:

IL EPA Id: 0314895247  
 US EPA Id: Not reported  
 Longitude: -88.07947  
 Latitude: 42.02573  
 Contact Name: Robert Migliore  
 Contact Address: 16 North Roselle Road  
 Contact Address2: Not reported  
 Contact City,St,Zip: Schaumburg, IL 60194-  
 Contact Phone: (847) 310-0451  
 Date Enrolled: 09/14/2010  
 Point Of Contact: Russell Henderson  
 Consultant Company: Environment, Inc.  
 Consultant Address: 1752 West Armitage Court  
 Consultant Address2: Not reported  
 Consultant City,St,Zip: Addison, IL 60101-  
 Consultant Phone: (630) 627-0200  
 Proj Mgr Assigned: Twum  
 Sec. 4 Letter Date: Not reported  
 NFR Recorded: 11/04/2010  
 Active: False  
 Total Acres: 0.489  
 No Further Remediation Letter Dt: 10/19/2010  
 Remediation Applicant Co: RAM Property Investments, Inc.  
 Remediation Applicant Title: Mr.  
 Remediation Applicant Name: Mr. Robert Migliore  
 Remediation Applicant Company: RAM Property Investments, Inc.  
 Remediation Applicant Address: 16 North Roselle Road  
 Remediation Applicant Address 2: Not reported  
 Remediation Applicant City,St,Zip: Schaumburg, IL 60194-  
 Illinois EPA: 0314895247  
 Site Name: RAM Property Investments  
 NFR Letter: 2010-10-19  
 NFR Letter Date Recorded: 2010-11-04  
 Site Type: Residential

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)Site

EDR ID Number  
 Database(s)  
 EPA ID Number

**RAM PROPERTY INVESTMENTS (Continued)**

S110613955

Comprehensive/Focused:	Focused
Institutional Controls:	Ground use restriction
Barrier:	Asphalt barrier
Worker Caution:	True
Acres:	0.489

9  
 West  
 < 1/8  
 0.112 mi.  
 590 ft.

83 W SCHAUMBURG RD  
 SCHAUMBURG, IL 60194

EDR US Hist Cleaners 1015099758  
 N/A

EDR Historical Cleaners:

Name:	KS CLEANERS
Year:	2004
Address:	83 W SCHAUMBURG RD
Name:	K S CLEANERS
Year:	2010
Address:	83 W SCHAUMBURG RD
Name:	KS CLEANERS
Year:	2011
Address:	83 W SCHAUMBURG RD
Name:	KS CLEANERS
Year:	2012
Address:	83 W SCHAUMBURG RD

B10  
 North  
 1/8-1/4  
 0.138 mi.  
 726 ft.

LIDLAW TRANSIT, INC.  
 113 NORTH ROSELLE RD.  
 SCHAUMBURG, IL

RGA LUST S115511029  
 N/A

Site 1 of 6 in cluster B

RGA LUST:

2012	LIDLAW TRANSIT, INC.	113 NORTH ROSELLE RD.
2011	LIDLAW TRANSIT, INC.	113 NORTH ROSELLE RD.
2010	LIDLAW TRANSIT, INC.	113 NORTH ROSELLE RD.
2009	LIDLAW TRANSIT, INC.	113 NORTH ROSELLE RD.
2008	LIDLAW TRANSIT, INC.	113 NORTH ROSELLE RD.
2007	LIDLAW TRANSIT, INC.	113 NORTH ROSELLE RD.
2006	LIDLAW TRANSIT, INC.	113 NORTH ROSELLE RD.
2005	LIDLAW TRANSIT, INC.	113 NORTH ROSELLE RD.
2004	LIDLAW TRANSIT, INC.	113 NORTH ROSELLE RD.
2003	LIDLAW TRANSIT, INC.	113 NORTH ROSELLE RD.
2002	LIDLAW TRANSIT, INC.	113 NORTH ROSELLE RD.
2001	LIDLAW TRANSIT, INC.	113 NORTH ROSELLE RD.
2000	LIDLAW TRANSIT, INC.	113 NORTH ROSELLE RD.

MAP FINDINGS

Map ID			EDR ID Number
Direction			
Distance			
Distance (ft.)	Site	Database(s)	EPA ID Number

<b>B11</b> North 1/8-1/4 0.138 mi. 726 ft.	<b>LIDLAW TRANSIT, INC.</b> 113 NORTH ROSELLE RD. SCHAUMBURG, IL 60194  Site 2 of 6 in cluster B	LUST	S103690158 N/A
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LUST:

Incident Num:	932311
IL EPA Id:	0312820010
Product:	Unleaded Gas
IEMA Date:	08/27/1993
Project Manager:	Davison
Project Manager Phone:	Not reported
Email:	Not reported
PRP Name:	Laidlaw Transit, Inc.
PRP Contact:	Don McFeely
PRP Address:	7501 Quincy, Unit L
PRP City,St,Zip:	Willowbrook, IL 60521
PRP Phone:	Not reported
Site Classification:	Not reported
Section 57.5(g) Letter:	731
Date Section 57.5(g) Letter:	Not reported
Non LUST Determination Letter:	Not reported
20 Report Received:	09/08/1993
45 Report Received:	09/24/1993
<b>NFA/NFR Letter:</b>	<b>02/22/1995</b>
NFR Date Recorded:	Not reported

<b>12</b> WNW 1/8-1/4 0.145 mi. 767 ft.	<b>55 PLEASANT ST</b> SCHAUMBURG, IL 60194	EDR US Hist Auto Stat	1015549565 N/A
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EDR Historical Auto Stations:

Name:	KIMS AMOCO FOOD SHOP
Year:	2001
Address:	55 PLEASANT ST

<b>13</b> SE 1/8-1/4 0.155 mi. 818 ft.	<b>RAYMOND &amp; MARION RAVAGNIE</b> 35 S LENGLE DR SCHAUMBURG, IL 60193	UST	U000793169 N/A
--	--	-----	-------------------

UST:

Facility ID:	2018020
Facility Status:	CLOSED
Facility Type:	NONE
Owner Id:	U0012480
Owner Name:	Ravagnie Raymond & Marion
Owner Address:	35 S Lengle Dr
Owner City,St,Zip:	Schaumburg, IL 60193
Tank Number:	1
Tank Status:	Removed
Tank Capacity:	1000
Tank Substance:	Diesel Fuel

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**RAYMOND & MARION RAVAGNIE (Continued)**

U000793169

Last Used Date: 7/2/1988  
 OSFM First Notify Date: 6/6/1988  
 Red Tag Issue Date: Not reported  
 Install Date: Not reported  
**Green Tag Decal: Not reported**  
**Green Tag Issue Date: Not reported**  
**Green Tag Expire Date: Not reported**  
**Self Service Permit Inspection Date: Not reported**  
**Self Service Permit Expire Date: Not reported**  
 Fee Due: Not reported

Tank Number: 2  
**Tank Status: Exempt from registration**  
 Tank Capacity: 7000  
 Tank Substance: Not reported  
 Last Used Date: Not reported  
 OSFM First Notify Date: 4/16/1986  
 Red Tag Issue Date: Not reported  
 Install Date: Not reported  
**Green Tag Decal: Not reported**  
**Green Tag Issue Date: Not reported**  
**Green Tag Expire Date: Not reported**  
**Self Service Permit Inspection Date: Not reported**  
**Self Service Permit Expire Date: Not reported**  
 Fee Due: Not reported

**C14**  
**West**  
**1/8-1/4**  
**0.161 mi.**  
**848 ft.**

**AMOCO OIL CO. #18745**  
**121 WEST SCHAUMBURG RD.**  
**SCHAUMBURG, IL 60193**

**LUST S104526991**  
**N/A**

Site 1 of 5 in cluster C

**LUST:**

Incident Num: 20030249  
 IL EPA Id: 0312825165  
 Product: Used Oil  
 IEMA Date: 02/25/2003  
 Project Manager: Urish  
 Project Manager Phone: (217) 524-5596  
 Email: Matt.Urish@illinois.gov  
 PRP Name: Not reported  
 PRP Contact: Not reported  
 PRP Address: Not reported  
 PRP City,St,Zip: Not reported  
 PRP Phone: Not reported  
 Site Classification: Not reported  
 Section 57.5(g) Letter: P.A.  
 Date Section 57.5(g) Letter: Not reported  
 Non LUST Determination Letter: Not reported  
 20 Report Received: Not reported  
 45 Report Received: Not reported  
**NFA/NFR Letter: Not reported**  
 NFR Date Recorded: Not reported

Incident Num: 901380  
 IL EPA Id: 0312825165  
 Product: Gasoline

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**AMOCO OIL CO. #18745 (Continued)**

**S104526991**

IEMA Date: 05/22/1990  
 Project Manager: Urish  
 Project Manager Phone: (217) 524-5596  
 Email: Matt.Urish@illinois.gov  
 PRP Name: Amoco Oil Co.  
 PRP Contact: Lyle Bruce  
 PRP Address: 28100 Torch Pkwy., 6-S  
 PRP City,St,Zip: Warrenville, IL 60555  
 PRP Phone: Not reported  
 Site Classification: Not reported  
 Section 57.5(g) Letter: 731  
 Date Section 57.5(g) Letter: Not reported  
 Non LUST Determination Letter: Not reported  
 20 Report Received: Not reported  
 45 Report Received: 01/18/1994  
 NFA/NFR Letter: 02/26/2007  
 NFR Date Recorded: 04/03/2007

**C15  
 West  
 1/8-1/4  
 0.161 mi.  
 848 ft.**

**AMOCO 18745  
 121 W SCHAUMBURG RD  
 SCHAUMBURG, IL 60193**

**RCRA-SQG 1000860902  
 FINDS IL0000006387**

**Site 2 of 5 in cluster C**

**RCRA-SQG:**

Date form received by agency: 09/20/1993  
 Facility name: AMOCO 18745  
 Facility address: 121 W SCHAUMBURG RD  
 SCHAUMBURG, IL 60193  
 EPA ID: IL0000006387  
 Mailing address: 2021 SPRING RD 400  
 OAK BROOK, IL 60521  
 Contact: LINDA CURRAN  
 Contact address: 2021 SPRING RD 400  
 OAK BROOK, IL 60521  
 Contact country: US  
 Contact telephone: (708) 990-2277  
 Contact email: Not reported  
 EPA Region: 05  
 Classification: Small Small Quantity Generator  
 Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

**Owner/Operator Summary:**

Owner/operator name: AMOCO OIL CO  
 Owner/operator address: 2021 SPRING RD 400  
 OAK BROOK, IL 60521  
 Owner/operator country: Not reported  
 Owner/operator telephone: (708) 990-2277  
 Legal status: Private  
 Owner/Operator Type: Owner  
 Owner/Op start date: Not reported  
 Owner/Op end date: Not reported

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**AMOCO 18745 (Continued)**

1000860902

Handler Activities Summary:  
 U.S. importer of hazardous waste: No  
 Mixed waste (haz. and radioactive): No  
 Recycler of hazardous waste: No  
 Transporter of hazardous waste: No  
 Treater, storer or disposer of HW: No  
 Underground injection activity: No  
 On-site burner exemption: No  
 Furnace exemption: No  
 Used oil fuel burner: No  
 Used oil processor: No  
 User oil refiner: No  
 Used oil fuel marketer to burner: No  
 Used oil Specification marketer: No  
 Used oil transfer facility: No  
 Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001  
 Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110005793980

Environmental Interest/Information System

ACES (Illinois - Agency Compliance And Enforcement System) is the Illinois EPA Project to facilitate the permitting operations

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

C16  
 West  
 1/8-1/4  
 0.161 mi.  
 848 ft.

**LARRY & DAN'S MARATHON**  
**121 WEST SCHAUMBURG RD.**  
**SCHAUMBURG, IL**

RGALUST S115511241  
 N/A

Site 3 of 5 in cluster C

RGALUST:

2012	LARRY & DAN'S MARATHON	121 WEST SCHAUMBURG RD.
2011	LARRY & DAN'S MARATHON	121 WEST SCHAUMBURG RD.
2010	LARRY & DAN'S MARATHON	121 WEST SCHAUMBURG RD.
2009	LARRY & DAN'S MARATHON	121 WEST SCHAUMBURG RD.
2008	LARRY & DAN'S MARATHON	121 WEST SCHAUMBURG RD.

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**LARRY & DAN'S MARATHON (Continued)**

S115511241

2007	LARRY & DAN'S MARATHON	121 WEST SCHAUMBURG RD.
2006	LARRY & DAN'S MARATHON	121 WEST SCHAUMBURG RD.
2005	LARRY & DAN'S MARATHON	121 WEST SCHAUMBURG RD.
2004	LARRY & DAN'S MARATHON	121 WEST SCHAUMBURG RD.
2003	LARRY & DAN'S MARATHON	121 WEST SCHAUMBURG RD.

**C17**  
 West  
 1/8-1/4  
 0.161 mi.  
 848 ft.

**AMOCO OIL CO. #18745**  
 121 WEST SCHAUMBURG RD.  
 SCHAUMBURG, IL

**RGA LUST S115497961**  
 N/A

Site 4 of 5 in cluster C

RGA LUST:

2012	AMOCO OIL CO. #18745	121 WEST SCHAUMBURG RD.
2011	AMOCO OIL CO. #18745	121 WEST SCHAUMBURG RD.
2010	AMOCO OIL CO. #18745	121 WEST SCHAUMBURG RD.
2009	AMOCO OIL CO. #18745	121 WEST SCHAUMBURG RD.
2008	AMOCO OIL CO. #18745	121 WEST SCHAUMBURG RD.
2007	AMOCO OIL CO. #18745	121 WEST SCHAUMBURG RD.
2006	AMOCO OIL CO. #18745	121 WEST SCHAUMBURG RD.
2005	AMOCO OIL CO. #18745	121 WEST SCHAUMBURG RD.
2004	AMOCO OIL CO. #18745	121 WEST SCHAUMBURG RD.
2003	AMOCO OIL CO. #18745	121 WEST SCHAUMBURG RD.
2002	AMOCO OIL CO. #18745	121 WEST SCHAUMBURG RD.
2001	AMOCO OIL CO. #18745	121 WEST SCHAUMBURG RD.
2000	AMOCO OIL CO. #18745	121 WEST SCHAUMBURG RD.

**C18**  
 West  
 1/8-1/4  
 0.161 mi.  
 848 ft.

**121 W SCHAUMBURG RD**  
 SCHAUMBURG, IL 60194

**EDR US Hist Auto Stat 1015183255**  
 N/A

Site 5 of 5 in cluster C

EDR Historical Auto Stations:

Name:	LARRY & DANS MARATHON SERVICE
Year:	1999
Address:	121 W SCHAUMBURG RD
Name:	LARRY & DANS MARATHON SERVICE
Year:	2000
Address:	121 W SCHAUMBURG RD
Name:	LARRY & DANS MARATHON
Year:	2001
Address:	121 W SCHAUMBURG RD
Name:	LARRY & DANS MARATHON
Year:	2002
Address:	121 W SCHAUMBURG RD
Name:	LARRY & DANS MARATHON SRVC
Year:	2003
Address:	121 W SCHAUMBURG RD
Name:	LARRY & DANS MARATHON SERVICE
Year:	2005
Address:	121 W SCHAUMBURG RD



MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

(Continued)

1015183255

Name: MARATHON  
 Year: 2006  
 Address: 121 W SCHAUMBURG RD

Name: MARATHON  
 Year: 2007  
 Address: 121 W SCHAUMBURG RD

Name: LARRY & DANS MARATHON  
 Year: 2008  
 Address: 121 W SCHAUMBURG RD

Name: LARRY & DANS MARATHON  
 Year: 2009  
 Address: 121 W SCHAUMBURG RD

Name: LARRY & DANS MARATHON  
 Year: 2010  
 Address: 121 W SCHAUMBURG RD

Name: LARRY & DANS MARATHON SERVICE  
 Year: 2011  
 Address: 121 W SCHAUMBURG RD

Name: LARRY & DANS MARATHON SERVICE  
 Year: 2012  
 Address: 121 W SCHAUMBURG RD

B19  
 North  
 1/8-1/4  
 0.162 mi.  
 853 ft.

**SCHAUMBURG TRANSPORTATION**  
 133 NORTH ROSELLE RD.  
 SCHAUMBURG, IL

RGA LUST S115517749  
 N/A

Site 3 of 6 in cluster B

RGA LUST:

2012	SCHAUMBURG TRANSPORTATION	133 NORTH ROSELLE RD.
2011	SCHAUMBURG TRANSPORTATION	133 NORTH ROSELLE RD.
2010	SCHAUMBURG TRANSPORTATION	133 NORTH ROSELLE RD.
2009	SCHAUMBURG TRANSPORTATION	133 NORTH ROSELLE RD.
2008	SCHAUMBURG TRANSPORTATION	133 NORTH ROSELLE RD.
2007	SCHAUMBURG TRANSPORTATION	133 NORTH ROSELLE RD.
2006	SCHAUMBURG TRANSPORTATION	133 NORTH ROSELLE RD.
2005	SCHAUMBURG TRANSPORTATION	133 NORTH ROSELLE RD.
2004	SCHAUMBURG TRANSPORTATION	133 NORTH ROSELLE RD.
2003	SCHAUMBURG TRANSPORTATION	133 NORTH ROSELLE RD.
2002	SCHAUMBURG TRANSPORTATION	133 NORTH ROSELLE RD.
2001	SCHAUMBURG TRANSPORTATION	133 NORTH ROSELLE RD.
2000	SCHAUMBURG TRANSPORTATION	133 NORTH ROSELLE RD.

## MAP FINDINGS

Map ID	Direction	Distance	Distance (ft.)	Site	Database(s)	EPA ID Number
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<b>B20</b>	<b>Laidlaw Transportation</b>				<b>RGA LUST</b>	<b>S115511043</b>
<b>North</b>	<b>133 North Roselle Rd.</b>					<b>N/A</b>
<b>1/8-1/4</b>	<b>Schaumburg, IL</b>					
<b>0.162 mi.</b>						
<b>853 ft.</b>	<b>Site 4 of 6 in cluster B</b>					

## RGA LUST:

2012	Laidlaw Transportation	133 North Roselle Rd.
2011	Laidlaw Transportation	133 North Roselle Rd.
2010	Laidlaw Transportation	133 North Roselle Rd.
2009	Laidlaw Transportation	133 North Roselle Rd.
2008	Laidlaw Transportation	133 North Roselle Rd.
2007	Laidlaw Transportation	133 North Roselle Rd.
2006	Laidlaw Transportation	133 North Roselle Rd.
2005	Laidlaw Transportation	133 North Roselle Rd.
2004	Laidlaw Transportation	133 North Roselle Rd.
2003	Laidlaw Transportation	133 North Roselle Rd.
2002	Laidlaw Transportation	133 North Roselle Rd.
2001	Laidlaw Transportation	133 North Roselle Rd.
2000	Laidlaw Transportation	133 North Roselle Rd.

<b>B21</b>	<b>Laidlaw Transportation</b>				<b>LUST</b>	<b>S103690179</b>
<b>North</b>	<b>133 North Roselle Rd.</b>					<b>N/A</b>
<b>1/8-1/4</b>	<b>Schaumburg, IL 60194</b>					
<b>0.162 mi.</b>						
<b>853 ft.</b>	<b>Site 5 of 6 in cluster B</b>					

## LUST:

Incident Num:	922035
IL EPA Id:	0312820010
Product:	Non Petro
IEMA Date:	07/27/1992
Project Manager:	Davison
Project Manager Phone:	Not reported
Email:	Not reported
PRP Name:	Laidlaw Transportation
PRP Contact:	Don MacFeely
PRP Address:	7501 South Quincy, Suite L
PRP City, St, Zip:	Willowbrook, IL 60521
PRP Phone:	Not reported
Site Classification:	Not reported
Section 57.5(g) Letter:	731
Date Section 57.5(g) Letter:	Not reported
Non LUST Determination Letter:	Not reported
20 Report Received:	08/12/1992
45 Report Received:	11/20/1992
<b>NFA/NFR Letter:</b>	<b>03/07/1995</b>
NFR Date Recorded:	Not reported

Incident Num:	890922
IL EPA Id:	0312820010
Product:	Gasoline
IEMA Date:	06/05/1989
Project Manager:	Davison
Project Manager Phone:	Not reported
Email:	Not reported
PRP Name:	Schaumburg Transportation
PRP Contact:	Not reported
PRP Address:	133 North Roselle Rd.
PRP City, St, Zip:	Schaumburg, IL 60172
PRP Phone:	Not reported

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**LIDLAW TRANSPORTATION (Continued)**

S103690179

Site Classification: Not reported  
 Section 57.5(g) Letter: 731  
 Date Section 57.5(g) Letter: Not reported  
 Non LUST Determination Letter: Not reported  
 20 Report Received: 09/08/1993  
 45 Report Received: 09/24/1993  
**NFA/NFR Letter: 02/22/1995**  
 NFR Date Recorded: Not reported

**B22**  
 North  
 1/8-1/4  
 0.162 mi.  
 853 ft.

**SCHAUMBURG TRANSPORTATION CO**  
**133 N ROSELLE RD**  
**SCHAUMBURG, IL 60194**

**UST U000793177**  
**BOL N/A**

Site 6 of 6 in cluster B

UST:

Facility ID: 2013020  
 Facility Status: CLOSED  
**Facility Type: COMMERCIAL / RETAIL**  
 Owner Id: U0019660  
 Owner Name: Laidlaw Transit, Inc.  
 Owner Address: 600 Vine Street, Suite 1400  
 Owner City,St,Zip: Cincinnati, OH 45202

Tank Number: 1  
**Tank Status: Removed**  
 Tank Capacity: 10000  
 Tank Substance: Gasoline  
 Last Used Date: 8/1/1993  
 OSFM First Notify Date: 9/12/1986  
 Red Tag Issue Date: Not reported  
 Install Date: 1/1/1971  
**Green Tag Decal: Not reported**  
**Green Tag Issue Date: Not reported**  
**Green Tag Expire Date: Not reported**  
**Self Service Permit Inspection Date: Not reported**  
**Self Service Permit Expire Date: Not reported**  
 Fee Due: Not reported

Tank Number: 2  
**Tank Status: Removed**  
 Tank Capacity: 2000  
 Tank Substance: Diesel Fuel  
 Last Used Date: 6/1/1989  
 OSFM First Notify Date: 9/12/1986  
 Red Tag Issue Date: Not reported  
 Install Date: 1/1/1971  
**Green Tag Decal: Not reported**  
**Green Tag Issue Date: Not reported**  
**Green Tag Expire Date: Not reported**  
**Self Service Permit Inspection Date: Not reported**  
**Self Service Permit Expire Date: Not reported**  
 Fee Due: Not reported

Tank Number: 3  
**Tank Status: Removed**

## MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**SCHAUMBURG TRANSPORTATION CO (Continued)**

U000793177

Tank Capacity: 500  
 Tank Substance: Used Oil  
 Last Used Date: 6/1/1992  
 OSFM First Notify Date: 9/12/1986  
 Red Tag Issue Date: Not reported  
 Install Date: Not reported  
 Green Tag Decal: Not reported  
 Green Tag Issue Date: Not reported  
 Green Tag Expire Date: Not reported  
 Self Service Permit Inspection Date: Not reported  
 Self Service Permit Expire Date: Not reported  
 Fee Due: Not reported

Tank Number: 4  
**Tank Status:** Removed  
 Tank Capacity: 5000  
 Tank Substance: Diesel Fuel  
 Last Used Date: 8/1/1989  
 OSFM First Notify Date: 6/10/1993  
 Red Tag Issue Date: Not reported  
 Install Date: 7/1/1989  
 Green Tag Decal: Not reported  
 Green Tag Issue Date: Not reported  
 Green Tag Expire Date: Not reported  
 Self Service Permit Inspection Date: Not reported  
 Self Service Permit Expire Date: Not reported  
 Fee Due: Not reported

Tank Number: 5  
**Tank Status:** Removed  
 Tank Capacity: 2000  
 Tank Substance: Gasoline  
 Last Used Date: 8/1/1993  
 OSFM First Notify Date: 2/25/1994  
 Red Tag Issue Date: Not reported  
 Install Date: 7/1/1989  
 Green Tag Decal: Not reported  
 Green Tag Issue Date: Not reported  
 Green Tag Expire Date: Not reported  
 Self Service Permit Inspection Date: Not reported  
 Self Service Permit Expire Date: Not reported  
 Fee Due: Not reported

Tank Number: 6  
**Tank Status:** Removed  
 Tank Capacity: 1000  
 Tank Substance: Gasoline  
 Last Used Date: 6/1/1989  
 OSFM First Notify Date: 2/25/1994  
 Red Tag Issue Date: Not reported  
 Install Date: Not reported  
 Green Tag Decal: Not reported  
 Green Tag Issue Date: Not reported  
 Green Tag Expire Date: Not reported

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**SCHAUMBURG TRANSPORTATION CO (Continued)**

U000793177

Self Service Permit Inspection Date: Not reported  
 Self Service Permit Expire Date: Not reported  
 Fee Due: Not reported

Tank Number: 7  
 Tank Status: **Removed**  
 Tank Capacity: 1000  
 Tank Substance: Gasoline  
 Last Used Date: 6/1/1989  
 OSFM First Notify Date: 2/25/1994  
 Red Tag Issue Date: Not reported  
 Install Date: Not reported  
 Green Tag Decal: **Not reported**  
 Green Tag Issue Date: **Not reported**  
 Green Tag Expire Date: **Not reported**  
 Self Service Permit Inspection Date: Not reported  
 Self Service Permit Expire Date: Not reported  
 Fee Due: Not reported

**BOL:**

Site Id: 170000362122  
 Inv Num: 0312820010  
 Interest Name: Schaumburg Transportation Co  
 Interest Type: BOL  
 Media Code: LAND

23  
 South  
 1/8-1/4  
 0.201 mi.  
 1062 ft.

**EXPRESS AUTO COLORS INC**  
 164 S ROSELLE RD  
 SCHAUMBURG, IL 60193

RCRA-CESQG 1004693862  
 FINDS ILD984849844

**RCRA-CESQG:**

Date form received by agency: 01/27/1992  
 Facility name: EXPRESS AUTO COLORS INC  
 Facility address: 164 S ROSELLE RD  
 SCHAUMBURG, IL 60193  
 EPA ID: ILD984849844  
 Contact: CHRISTINE LOJKO  
 Contact address: 164 S ROSELLE RD  
 SCHAUMBURG, IL 60193  
 Contact country: US  
 Contact telephone: (708) 893-1533  
 Contact email: Not reported  
 EPA Region: 05  
 Classification: Conditionally Exempt Small Quantity Generator  
 Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any

## MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

## EXPRESS AUTO COLORS INC (Continued)

1004693862

time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

## Owner/Operator Summary:

Owner/operator name: HENRICHSEN REED  
 Owner/operator address: 409 ROHLWING RD  
 PALATINE, IL 60067  
 Owner/operator country: Not reported  
 Owner/operator telephone: (708) 359-7869  
 Legal status: Private  
 Owner/Operator Type: Owner  
 Owner/Op start date: Not reported  
 Owner/Op end date: Not reported

## Handler Activities Summary:

U.S. importer of hazardous waste: No  
 Mixed waste (haz. and radioactive): No  
 Recycler of hazardous waste: No  
 Transporter of hazardous waste: No  
 Treater, storer or disposer of HW: No  
 Underground injection activity: No  
 On-site burner exemption: No  
 Furnace exemption: No  
 Used oil fuel burner: No  
 Used oil processor: No  
 User oil refiner: No  
 Used oil fuel marketer to burner: No  
 Used oil Specification marketer: No  
 Used oil transfer facility: No  
 Used oil transporter: No

## Hazardous Waste Summary:

Waste code: D001  
 Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F003  
 Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)Site

EDR ID Number  
 Database(s) EPA ID Number

**EXPRESS AUTO COLORS INC (Continued)**

**1004693862**

Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

**FINDS:**

Registry ID: 110005904842

**Environmental Interest/Information System**

ACES (Illinois - Agency Compliance And Enforcement System) is the Illinois EPA Project to facilitate the permitting operations

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

24  
 South  
 1/4-1/2  
 0.364 mi.  
 1923 ft.

**TOUCH OF ELEGANCE CLEANERS**  
 253 SOUTH ROSELLE ROAD  
 SCHAUMBURG, IL 60193

**INST CONTROL** S106541630  
 SRP N/A  
 DRYCLEANERS

**IL INSTUTIONAL CONTROL:**

Illinois EPA Id: 0312825127  
 NFR Letter: 12/01/2006  
 Date NFR Recorded: 01/05/2007  
 Type Of Site: Industrial/Commercial  
 Comprehensive / Focused: Focused  
 Remediation Applicant Title: Mr.  
 Remediation Applicant Name: Hyung Song Yi  
 RA Company: Touch of Elegance Cleaners  
 RA Address: 253 South Roselle Road  
 RA Secondary Address: Not reported  
 RA City,St,Zip: Schaumburg, IL 60193-  
 Institutional Controls: Groundwater use restriction/ELUC  
 Engineered Barriers: Not reported  
 Worker Caution: False  
 Acres: 5.999

**SRP:**

IL EPA Id: 0312825127  
 US EPA Id: ILD104006119  
 Longitude: -88.07904  
 Latitude: 42.02241  
 Contact Name: Hyung Song Yi  
 Contact Address: 253 South Roselle Road  
 Contact Address2: Not reported  
 Contact City,St,Zip: Schaumburg, IL 60193-

## MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**TOUCH OF ELEGANCE CLEANERS (Continued)****S106541630**

Contact Phone: (847) 895-0050  
 Date Enrolled: 01/23/2006  
 Point Of Contact: Troy Woodtke  
 Consultant Company: Pioneer Engineering & Environmental Services, Inc.  
 Consultant Address: 700 North Sacramento Boulevard  
 Consultant Address2: Suite 101  
 Consultant City,St,Zip: Chicago, IL 60612-  
 Consultant Phone: (773) 722-9200  
 Proj Mgr Assigned: Rossi  
 Sec. 4 Letter Date: Not reported  
 NFR Recorded: 01/05/2007  
 Active: False  
 Total Acres: 5.999  
 No Further Remediation Letter Dt: 12/01/2006  
 Remediation Applicant Co: Touch of Elegance Cleaners  
 Remediation Applicant Title: Mr.  
 Remediation Applicant Name: Mr. Hyung Song Yi  
 Remediation Applicant Company: Touch of Elegance Cleaners  
 Remediation Applicant Address: 253 South Roselle Road  
 Remediation Applicant Address 2: Not reported  
 Remediation Applicant City,St,Zip: Schaumburg, IL 60193-  
 Illinois EPA: 0312825127  
 Site Name: Touch of Elegance Cleaners  
 NFR Letter: 2006-12-01  
 NFR Letter Date Recorded: 2007-01-05  
 Site Type: Industrial/Commercial  
 Comprehensive/Focused: Focused  
 Institutional Controls: Groundwater use restriction/ELUC  
 Barrier: Not reported  
 Worker Caution: False  
 Acres: 5.999.

**DRYCLEANERS:**

Facility Id: 1556-7011-01  
 DC No: DC-00005  
 Facility Contact: HYUN SONG YI  
 License Expires: 12/31/2014

**D25** **SCHAUMBURG, VILLAGE OF**  
**West** **350 WEST SCHAUMBURG RD.**  
**1/4-1/2** **SCHAUMBURG, IL 60194**  
**0.407 mi.**  
**2148 ft.** **Site 1 of 2 in cluster D**

**LUST** **S104523563**  
**N/A**

**LUST:**

Incident Num: 932667  
 IL EPA Id: 0314895002  
 Product: Deisel  
 IEMA Date: 10/07/1993  
 Project Manager: Lowder  
 Project Manager Phone: (217) 785-5734  
 Email: Mike.Lowder@illinois.gov  
 PRP Name: Village of Schaumburg  
 PRP Contact: Klaus Kynast  
 PRP Address: 350 West Schaumburg Rd.  
 PRP City,St,Zip: Schaumburg, IL 60194



MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**SCHAUMBURG, VILLAGE OF (Continued)**

S104523563

PRP Phone: Not reported  
 Site Classification: Not reported  
 Section 57.5(g) Letter: 732  
 Date Section 57.5(g) Letter: Not reported  
 Non LUST Determination Letter: Not reported  
 20 Report Received: 06/13/1994  
 45 Report Received: 06/13/1994  
 NFA/NFR Letter: 07/02/1996  
 NFR Date Recorded: Not reported

D26  
 West  
 1/4-1/2  
 0.407 mi.  
 2148 ft.

**SCHAUMBURG, VILLAGE OF  
 350 WEST SCHAUMBURG RD.  
 SCHAUMBURG, IL**

RGALUST S115517752  
 N/A

Site 2 of 2 in cluster D

RGALUST:

- 2012 SCHAUMBURG, VILLAGE OF 350 WEST SCHAUMBURG RD.
- 2011 SCHAUMBURG, VILLAGE OF 350 WEST SCHAUMBURG RD.
- 2010 SCHAUMBURG, VILLAGE OF 350 WEST SCHAUMBURG RD.
- 2009 SCHAUMBURG, VILLAGE OF 350 WEST SCHAUMBURG RD.
- 2008 SCHAUMBURG, VILLAGE OF 350 WEST SCHAUMBURG RD.
- 2007 SCHAUMBURG, VILLAGE OF 350 WEST SCHAUMBURG RD.
- 2006 SCHAUMBURG, VILLAGE OF 350 WEST SCHAUMBURG RD.
- 2005 SCHAUMBURG, VILLAGE OF 350 WEST SCHAUMBURG RD.
- 2004 SCHAUMBURG, VILLAGE OF 350 WEST SCHAUMBURG RD.
- 2003 SCHAUMBURG, VILLAGE OF 350 WEST SCHAUMBURG RD.
- 2002 SCHAUMBURG, VILLAGE OF 350 WEST SCHAUMBURG RD.
- 2001 SCHAUMBURG, VILLAGE OF 350 WEST SCHAUMBURG RD.
- 2000 SCHAUMBURG, VILLAGE OF 350 WEST SCHAUMBURG RD.

27  
 ESE  
 1/4-1/2  
 0.488 mi.  
 2574 ft.

**VILLAGE OF SCHAUMBURG  
 SCHAUMBURG, IL**

IL NIPC S100789969  
 N/A

28  
 South  
 1/4-1/2  
 0.489 mi.  
 2581 ft.

**SCHAUMBURG PARK DIST  
 401 ROSELLE RD  
 SCHAUMBURG, IL 60193**

LUST S104525603  
 BOL N/A

LUST:

Incident Num: 912693  
 IL EPA Id: 0312826235  
 Product: Gasoline  
 IEMA Date: 09/23/1991  
 Project Manager: Chappel  
 Project Manager Phone: (217) 785-3913  
 Email: Harry.A.Chappel@illinois.gov  
 PRP Name: Schaumburg Park Dist.  
 PRP Contact: Dan Schourek

## MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

**SCHAUMBURG PARK DIST (Continued)****S104525603**

PRP Address: 235 East Beech Dr.  
 PRP City,St,Zip: Schaumburg, IL 60193  
 PRP Phone: Not reported  
 Site Classification: Not reported  
 Section 57.5(g) Letter: 731  
 Date Section 57.5(g) Letter: Not reported  
 Non LUST Determination Letter: Not reported  
 20 Report Received: Not reported  
 45 Report Received: Not reported  
 NFA/NFR Letter: 11/29/1994  
 NFR Date Recorded: Not reported

**BOL:**

Site id: 170000477419  
 Inv Num: 0312825235  
 Interest Name: Schaumburg Park Dist  
 Interest Type: BOL  
 Media Code: LAND

Count: 18 records

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
HOFFMAN ESTTES	S112351836	JUPITER CLEANERS	1001-1175 NORTH ROSELLE ROAD	60169	ENG CONTROLS, INST CONTROL, S
SCHAUMBURG	S106779126	OLDE TOWNE SQUARE SHOPPING CENTER	SW CORNER SCHAUMBURG ROAD & ROSELLE ROAD	60193	SRP
SCHAUMBURG	S115504397	DWORZYNSKI, MS. HELEN	1600 SOUTH ROSELLE RD.		RGA LUST
SCHAUMBURG	S115517740	SCHAUMBURG PARK DIST.	401 ROSELLE RD.		RGA LUST
SCHAUMBURG	S115513350	MOBIL OIL CORP.	1180 SOUTH ROSELLE RD. & WISE ST.		RGA LUST
SCHAUMBURG	S115513349	MOBIL OIL CORP.	1180 ROSELLE RD.		RGA LUST
SCHAUMBURG	S115512126	MARATHON OIL CO.	ROSELLE & SCHAUMBURG RD.		RGA LUST
SCHAUMBURG	1000298975	FARMGATE CLEANERS	5405 ROSELLE RD	60193	RCRA-SQG, FINDS
SCHAUMBURG	S115518632	SHELL OIL PRODUCTS US	575 ROSELLE ROAD		RGA LUST
SCHAUMBURG	S115517735	SCHAUMBURG HIGH SCHOOL	1100 WEST SCHAUMBURG		RGA LUST
SCHAUMBURG	S115500049	BP PRODUCTS NORTH AMERICA	2951 SCHAUMBURG ROAD		RGA LUST
SCHAUMBURG	S115500045	BP PRODUCTS NORTH AMERICA	2351 SCHAUMBURG ROAD		RGA LUST
SCHAUMBURG	S115521340	U.S. POSTAL SERVICE	450 WEST SCHAUMBURG		RGA LUST
SCHAUMBURG	S115521671	UNOCAL CORP.	1507 SCHAUMBURG		RGA LUST
SCHAUMBURG	S115504987	EMRO MARKETING	SCHAUMBURG & ROSELLE		RGA LUST
SCHAUMBURG	S115505382	EXXON MOBIL OIL CORPORATION	790 EAST SCHAUMBURG		RGA LUST
SCHAUMBURG	U000793140	FRIENDSHIP VILLAGE OF SCHAUMBURG	350 SCHAUMBURG RD	60194	UST
SCHAUMBURG	S115503070	COPPER & BRASS SALES	415 STATE PARKWAY		RGA LUST

SPECIAL PROVISION  
FOR  
MANAGING CONCRETE WASTE

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

**Construction.** Perform this work on projects where;

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

**Requirements.**

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

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

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

For onsite washout:

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

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

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

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

For Onsite Temporary Concrete Washout Facility:

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

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

### Inspection and Maintenance.

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

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

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

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

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

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

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

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

SPECIAL PROVISION  
FOR  
CLASS B PATCHES, SPECIAL

Section 442 of the Standard specifications shall be followed for this item and amended in accordance with the working time restrictions described below.

The work on this pay item shall be performed on the weekends only. The contractor shall be allowed to choose any weekend(s) to complete all work, except for sealing, associated with Class B Patches, Special. The lane closures will be allowed between 7:00 p. m. on Friday and 5:00 a.m. the following Monday of the chosen weekend(s). All lanes must remain open to traffic outside of this time period.

The following is a suggested staging sequence provided for the Contractor when Class B Patches, Special of any type is used. Removal and preparation of patches shall start after 7:00 p.m. Friday night until 7:00 a.m. Saturday afternoon. Curing and opening of patches shall be completed by 5:00 a.m. Monday morning.

Section 108.09, failure to complete work on time, of the Standard Specifications shall be revised such that all references to the completion date in that section shall also refer to the interim completion time as defined in this special provision. The liquidated damages will also be revised such that the contractor will be assessed \$1500.00 per hour for each hour or portion thereof that the lanes have not been reopened after 5:00 a.m. on the Monday following each weekend that is scheduled for this work.

Basis of Payment. This work shall be paid for at the contract unit price per square yard for Class B Patches, Special of the Type and thickness specified.



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  
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 Department of Transportation and Highways. Information may also be posted on the Transportation and Highways 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 1 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 Transportation and Highways 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  
CRUSHED STONE (TEMPORARY USE)

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

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

**SPECIAL PROVISION  
FOR  
AGGREGATE SUBGRADE (12 INCH)**

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

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

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

2. Gravel, Crushed Gravel, and Pit Run Gravel

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

3. Crushed Concrete with Bituminous Materials\*

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

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

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

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

Method of Measurement.

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

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

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

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

**SPECIAL PROVISION  
FOR  
BRACING AND SHEETING**

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

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

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

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

SPECIAL PROVISION  
FOR  
COOPERATION WITH UTILITIES

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

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

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

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

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

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

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

The bidder shall take no advantage of any error or omission in the proposal and advertised contract. Any prospective bidder who desires an explanation or interpretation of the plans, specification, or any of the contract documents shall request such in writing from the Department, in sufficient time to allow a written reply by the Department that can reach all prospective bidders before the submission of their bids. All information and changes made to the contract will be communicated through an addendum. Only changes made through the addendum will be binding to the Department. When the plans or special provisions include information pertaining to the location of underground utility facilities, such information represents only the opinion of the Department as to the location of such utilities and is only included for the convenience of the bidder. The Department assumes no responsibility whatever in respect to the sufficiency or the accuracy of the information shown on the plans relative to the location of underground utility facilities. It shall be the Contractor's responsibility to determine the actual location of all such facilities including field verification of both vertical and horizontal locations relative to the work. He shall also obtain from the respective utility companies detailed information relative to the location of their facilities and the working schedules of the utility companies for removing or adjusting them.



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

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**STATUS OF UTILITIES  
UTILITIES TO BE ADJUSTED  
Roselle Road  
At Schaumburg Road**

Name & Address of Utility Company	Type	Estimated Date of Completion
<p style="text-align: center;"><b>AT&amp;T Janet C. Ahern 1000 Commerce Dr. Oak Brook, IL 60523</b></p>	<p style="text-align: center;">Buried Cable and Fiber</p>	<p style="text-align: center;">Coordination ongoing</p>
<p style="text-align: center;"><b>Comcast Martha Gieras 680 Industrial Dr. Elmhurst, IL 60126</b></p>	<p style="text-align: center;">Buried Cable</p>	<p style="text-align: center;">Coordination Ongoing</p>
<p style="text-align: center;"><b>ComEd Three Lincoln Center, 4<sup>th</sup> Flr. Oak Brook Terrace, IL 60181</b></p>	<p style="text-align: center;">Underground Electric</p>	<p style="text-align: center;">Coordination Ongoing</p>
<p style="text-align: center;"><b>Nicor Gas Bruce Koppang 1844 Ferry Rd. Naperville, IL 60563</b></p>	<p style="text-align: center;">8" and 10" Gas Main</p>	<p style="text-align: center;">Coordination Ongoing</p>
<p style="text-align: center;"><b>Wide Open West Chris Kasallis 1674 Frontenac Rd. Naperville, IL 60563</b></p>	<p style="text-align: center;">Buried Cable and Fiber</p>	<p style="text-align: center;">Coordination Ongoing</p>

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

The above represents the best information available to the County and is included for the convenience of the bidder. Utility relocation startup date is assumed to be from the date the R.O.W. is staked and permits are secured unless otherwise noted. The applicable provisions of Article 105.07, 107.20, and 107.31 of the Standard Specifications for Road and Bridge Construction and Cook County Special Provision 170 shall apply.

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

The Contractor should contact J.U.L.I.E. 48 hours prior to construction at 1-800-892-0123 for all utility locations.

SPECIAL PROVISION  
FOR  
DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED

Description. This item shall consist of the adjustment of existing Domestic Water Service Boxes to match the proposed surface grade, or as otherwise directed by the Engineer. In order to make the necessary adjustments, the Contractor may have to provide either slide-type or screw-type extensions for the existing facility. It shall be the responsibility of the Contractor to ascertain the type of existing facility, and the necessary extension piece required to perform the adjustment. The installation of the extension pieces or the proper manipulation of existing slide or screw type devices will be the only adjustment allowed, and the use of physical force to raise or lower the existing Domestic Water Service Boxes will not be permitted. This work shall be done to the satisfaction of the Engineer.

Basis of Payment. This item shall be paid for at the contract unit price each for Domestic Water Service Boxes to be Adjusted, which price shall include all labor, equipment and material.

SPECIAL PROVISION  
FOR  
SODDING

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

252.09 Supplemental Watering. Revise the third sentence to read:

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

252.11 Inspection. Revise the first paragraph to read:

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

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

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

SPECIAL PROVISION  
FOR  
WORK ZONE TRAFFIC CONTROL SURVEILLANCE

Revise Article 701.10 of the Standard Specifications to read:

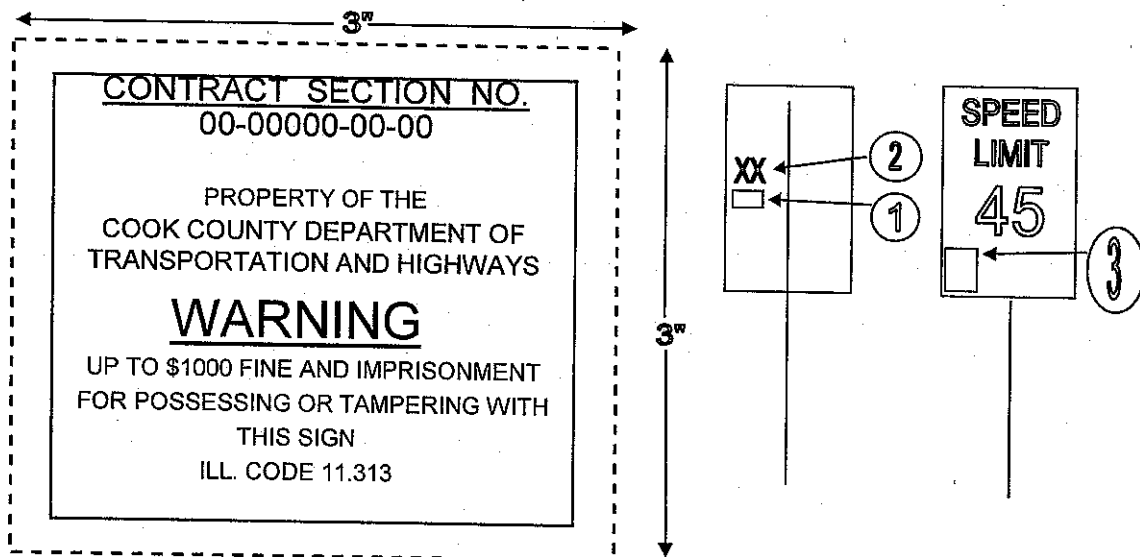
"The Contractor shall conduct inspections of the worksite at a frequency that will allow for the timely replacement of any traffic control device that has become displaced, worn, or damaged. A sufficient quantity of replacement devices, based on vulnerability to damage, shall be readily available to meet this requirement."

Delete Articles 701.19(d) and Article 701.20(g) of the Standard Specifications.

**SPECIAL PROVISION  
FOR  
SIGN IDENTIFICATION DECAL**

1. The identification decal shall have an Orange background with Black legend. The material may be of non-reflectORIZED or reflectORIZED sign face with weatherproof adhesive backing. The decal shall be applied as per drawing to the back side of all sign panels installed, replaced or relocated.
2. A decal of 3" series D numerals representing the last two digits of the year in which NEW sign was first installed shall be applied on the back of the sign and just above the identification decal. The numerals shall be of the Orange color.
3. As shown in the drawing, wording 'CCDOTH XX-XX' 3/8" high shall be stenciled at the bottom left of the sign face where XX-XX represents the month and year of NEW sign fabrication.

The cost of the material and labor for applying the decals and year identification numerals shall be considered as incidental to the Contract. A finished sample of the decals shall be submitted to the Engineer for approval prior to application.



SPECIAL PROVISION  
FOR  
TRAFFIC PROTECTION

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

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

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

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

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

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

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



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

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

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

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

Signs. All signs except those referring to daily lane closures shall be post mounted in accordance with Standard 701901 for all projects that exceed four days.

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

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

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

"Rough Grooved Surface" signs (W8-1107) shall be used when the road has been cold milled and open to traffic. The signs shall remain in place until the milled surface condition no longer exists. These signs shall be erected a minimum of 500 feet preceding the start of the milled pavement and on all side roads within the posted area. The "Rough Grooved Surface" signs on the side roads shall be posted 200 feet from the mainline pavement. All signs shall have an 18" x 18" orange flag and amber flashing light attached.

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

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

The Contractor shall provide and erect any other signs that are required for traffic safety operations and the conveyance of traffic information to the motorist, which may not be included in the Traffic Control

Standards. The requirement for these signs shall be determined by and installed at the direction of the Engineer.

**Barricades:** Any drop off greater than 3 inches, but less than 6 inches within 8 feet of the pavement edge shall be protected by Type I or II barricades equipped with mono-directional steady burn lights at 100 foot center to center spacing. If the drop off within 8 feet of the pavement edge exceeds 6 inches, the barricades mentioned above shall be placed at 50 foot center to center spacing. Barricades that must be placed in excavated areas shall have leg extensions installed such that the top of the barricade is in compliance with the height requirements of Standard 701901. In addition to the placement of barricades as described above, pavement drop off signs (W8-9a) shall be used along with the barricades and at the direction of the Engineer.

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

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

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

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

**Temporary Concrete Barrier Vertical Panels and Lights.** Whenever temporary concrete barrier is specified in the plans, vertical panels and steady burning lights meeting the requirement of Articles 1106.01 and 1106.02 of the Standard Specifications and Standard 701901 shall be installed on the barrier at 50 foot centers minimum or at the spacing shown on the plans. The method of mounting shall be approved by the Engineer. Upon conclusion of the work, the panels and lights shall be removed and shall remain the property of the Contractor.

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

All barricades shall be Type I or II equipped with flashing lights. At each point of closure, sufficient numbers of barricades shall be used to completely close the sidewalk to pedestrian movement. Where construction activities involve sidewalks on both sides of the street, the work shall be staged so that both sidewalks are not out of service at the same time.

107.09 Public Convenience and Safety. Revise the Seventh paragraph of this Article to read as follows:

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

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

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

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

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

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

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

No road closures or restrictions shall be permitted except those covered by the Traffic Control Highway Standards without written approval by the Engineer.

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

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

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

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

Method of Measurement. Delete: Article 701.19 Method of Measurement

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

Basis of Payment. Delete: Article 701.20 Basis of Payment

This work will be paid for at the lump sum price for TRAFFIC PROTECTION, which price shall be payment in full for all labor, materials, transportation, handling and incidentals necessary to furnish, install, maintain, replace, relocate and remove all traffic control devices when required, such as signing, arrow boards, barricades, plastic drums, road closures, temporary pavement marking paint and tape lines and letters and symbols (Section 780 and Article 1095.02 of the Standard Specifications), temporary concrete barrier vertical panels and lights (Standard 701901), flexible delineators (Standard 701901), prismatic barrier reflectors (Sections 782 and 1097 of the Standard Specifications), temporary raised reflective pavement markers (Section 781 and Article 1096.02 of the Standard Specifications) and all traffic control devices indicated in the plans and specifications. The salvage value of all material removed (including existing traffic signs - when removal is required) shall be reflected in the bid price for this item.

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

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

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

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

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

Where "P" is the contract price for Traffic Protection

Where "X" = (Difference between original and final sum total value of all the work items for which protection is required) divided by (Original sum total value of all work items for which traffic protection is required)

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

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

SPECIAL PROVISION  
FOR  
PROJECT SIGNS PLAQUE

County will erect signs announcing 'A Cook County Department of Transportation and Highways, Road Improvement Project' with a 24"x4" size plaque reading 'COMING SOON' in front and 'COMPLETED' in back. Contractor will remove this 24"x4" size plaque and store it at the beginning of work on the contract. When work on the contract is completed, Contractor will attach the plaques to the Project signs reading 'COMPLETED'. The cost of this work will be incidental to the contract.

SPECIAL PROVISION  
FOR  
ERADICATION OF EXISTING PAVEMENT MARKING

Description. This work shall consist of eradication of existing painted, thermoplastic or preformed plastic pavement markings by sand or hydro-blasting and/or by grinding.

Equipment. All equipment shall be approved by the Engineer prior to use and shall be sufficient capacity to efficiently and economically clean the roadway surface to the specified cleanliness. The equipment shall be power driven and in good operating condition. The equipment shall utilize moisture and oil traps, in working order, of sufficient capacity to remove contaminants from the air and prevent deposition of moisture, oil, or other contaminants on the roadway surface.

If a high pressure water spray or "hydro blast" is used, the pressure at the nozzle shall be no less than 6,500 psi and no more than 9,500 psi with 10 to 13 gallons of water per minute used.

The blasting medium shall be a quality commercial product capable of producing the specified surface cleanliness without the deposition of deleterious materials on the cleaned surface.

Eradication Requirements. The eradication shall be performed only on that portion of the roadway surface designated by the Engineer or as specified in the plans. Widths, lengths, and shapes of the blast-cleaned surface shall be of sufficient size to include the full area of the specified pavement marking to be removed.

Ninety percent (90%) of the pavement substrate shall be exposed. This shall include not only removal of the existing white or yellow pavement markings, but shall also include sufficient removal of any black markings which exist between the lane lines.

Over cleaning to the extent of possible damage to the roadway surface shall be held to a minimum. Very small particles of tightly adhering existing markings may remain in place if, in the opinion of the Engineer, complete removal of the small particles will result in pavement surface damage.

The cleaning operation shall be a continuous moving process with minimum interruption to traffic. Care should be taken to protect all persons and property from injury or damage.

Method of Measurement. Eradicated pavement marking shall be measured for payment in square feet. The area used for measurement shall be the actual area of lines and in the case of letters and symbols shall be the area of the smallest rectangle that will circumscribe each individual letter or symbol.

Basis of Payment. This work will be paid for at the contract unit price per square foot of ERADICATION OF EXISTING PAVEMENT MARKING, which price shall include eradication of existing painted, thermoplastic or preformed plastic pavement markings to the satisfaction of the Engineer.

**SPECIAL PROVISION  
FOR  
RAISED REFLECTIVE PAVEMENT MARKER**

This special provision applies to pavement sections where existing surface will be diamond ground or will remain intact, and does not apply to pavement sections where existing surface will be milled, overlaid, removed, or recycled.

The removal of existing raised reflective pavement markers, including base casting and reflective element, shall meet the requirements of 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. This work will be paid for at the contract unit price per each for RAISED REFLECTIVE PAVEMENT MARKER REMOVAL.

The installation of new raised reflective pavement markers shall meet the requirements of Section 781 of the "Standard Specifications for Road and Bridge Construction". To ensure proper installation of the new raised reflective pavement markers, the markers shall be located fore or aft of the existing casting location and on the existing alignment, or as directed by the Engineer. This work will be paid for at the contract unit price per each for RAISED REFLECTIVE PAVEMENT MARKER.



**SPECIAL PROVISION  
FOR  
TRAFFIC SIGNAL WORK GENERAL**

All work and equipment performed and installed under this contract, shall be governed and shall comply to the State of Illinois "Standard Specifications for Road and Bridge Construction" latest edition, herein referred to as the Standard Specifications and the "District One Standard Design Details"; the State of Illinois "Manual on Uniform Traffic Control Devices for Streets and Highways", latest edition; the "National Electrical Code" latest edition herein referred to as the NEC; the National Electrical Manufacturers Association, herein referred to as NEMA (all publications for traffic control items) latest editions; the International Municipal Signal Association, herein referred to as IMSA "Official Wire & Cable Specifications Manual" latest edition; the Institute of Transportation Engineers, herein referred to as the ITE, Technical Report No.1, "A Standard for Adjustable Face Vehicular Traffic Control Heads"; AASHTO "Standard Specifications for Structural Supports for Highway Signs, Luminaries and Traffic Signals" and the "Supplemental Specifications" and "Recurring Special Provisions" noted herein.

The following Special Provisions supplement the above specifications, manuals, and code. The intent of these Special Provisions is to prescribe the materials and construction methods commonly used for traffic signal installations. All material furnished shall be new unless otherwise noted herein. 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.

**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 of all equipment shall have a representative and shop located in the six (6) county Chicago areas. All equipment installed in the controller cabinet shall be from a single supplier. The supplier shall be responsible for service and support for this equipment.

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 unless otherwise noted herein. . Traffic materials and equipment shall bear the U.L. label whenever such labeling is available.

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

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

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

- (a) The contractor notifies the Department in advance of his/her intension to use other than domestically manufactured or produced material.
- (b) Written evidence is provided in English of compliance with all requirements of the specifications.
- (c) Physical tests conducted by the department verify the acceptability of the material.

Before any signal equipment, including mast arm assemblies, poles, controller cabinets, all control equipment and signal heads, are delivered to the job site, the Contractor shall obtain and forward to the Engineer a certified, notarized statement from the manufacturer, containing the catalog numbers of the equipment and/or material, guaranteeing that the equipment and/or material, after manufacture, comply in all respects with the requirements of the Specifications and these Special Provisions.

All material approval requests shall be within thirty (30) consecutive calendar days after the Contract is awarded, or at the pre-construction meeting, whichever is first. A list of major traffic signal items can be found in Article 801.05. Material or equipment which is similar or identical shall be the product of the same manufacturer, unless necessary for system continuity. Traffic signal materials and equipment shall bear the U.L. label whenever such labeling is available.

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:

- Four (4) 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. If the literature contains more than one item, the Contractor shall indicate which item or items will be furnished.
- 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 approved by IDOT at least 11" x 17" (275mm x 425mm) in size and adequate quality for microfilming.
- Certain non-standard mast arm poles and assemblies 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.
- All submitted items reviewed and marked 'APPROVED AS SUBMITTED', 'APPROVED AS NOTED', 'DISAPPROVED', 'INCOMPLETE' or ' NOT REVIEW' are to be resubmitted in their entirety, unless otherwise indicated within the submittal comments, with a disposition of previous comments to verify contract compliance at no additional cost to the contract.
- 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.

- Contractor shall not order major equipment such as mast arm assemblies prior to Engineer approval of the Contractor marked proposed traffic signal equipment locations to assure proper placement of contract required traffic signal displays, push buttons and other facilities. Field adjustments may require changes in proposed mast arm length and other coordination.

#### Marking Proposed Locations.

Revise the following to Article 801.09 of the Standard Specifications:

Revise "Marking Proposed Locations for Highway Lighting System" to read "Marking Proposed Locations for Highway Lighting System and Traffic Signals."

It shall be the contractor's responsibility to verify all dimensions and conditions existing in the field prior to ordering materials and beginning construction. This shall include locating the mast arm foundations and verifying the mast arms lengths.

#### Maintenance and Responsibility.

Revise Article 801.11 to read as follows.

- 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.
- 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) Regional transit, County and other agencies may also have equipment connected to existing traffic signal or peripheral equipment such as PTZ cameras, switches, transit signal priority (TSP and BRT) servers and other devices that shall be included with traffic signal maintenance at no additional cost to the contract.
- 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 \$1000 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 \$1000 per month per occurrence. Unpaid bills will be deducted from the cost of the Contract. The Department's Electrical Maintenance Contractor may inspect any signaling device on the Department's highway system at any time without notification.

- g) Any proposed activity in the vicinity of a highway-rail grade crossing must adhere to the guidelines set forth in the current edition of the Manual on Uniform Traffic Control Devices (MUTCD) regarding work in temporary traffic control zones in the vicinity of highway-rail grade crossings which states that lane restrictions, flagging, or other operations shall not create conditions where vehicles can be queued across the railroad tracks. If the queuing of vehicles across the tracks cannot be avoided, a uniformed law enforcement officer or flagger shall be provided at the crossing to prevent vehicles from stopping on the tracks, even if automatic warning devices are in place.
- h) The Contractor shall be responsible to clear snow, ice, dirt, debris or other condition that obstructs visibility of any traffic signal display.
- i) The Contractor shall maintain the traffic signal in normal operation during short or long term loss of utility or battery back-up power at critical locations designated by the Engineer. Critical locations may include traffic signals interconnected to railroad warning devices, expressway ramps, intersection with an SRA route, critical corridors or other locations identified by the Engineer. Temporary power to the traffic signal must meet applicable NEC and OSHA guidelines and may include portable generators and/or replacement batteries.

#### 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 replaced 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) Temporary replacement of damaged or knockdown of a mast arm pole assembly shall require construction of a full or partial span wire signal installation or other method approved by the Engineer to assure signal heads are located overhead and over traveled pavement. Temporary replacement of mast arm mount signals with post mount signals will not be permitted.
- c) 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.

#### 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 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, completeness of the required documentation and successful operation during a minimum 72 hour "burn-in" period following activation of the traffic signal. 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 Engineer's 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 supplier's 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 supplier's 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 Final Project Documentation from the Contractor at traffic signal turn-ons in electronic format in addition to hard copies where noted. A CD/DVD shall be submitted with separate folders corresponding to each numbered title below. The CD/DVD shall be labelled with date, project location, company and contract or permit number. Record Drawings, Inventory and Material Approvals shall be submitted prior to traffic signal turn-on for review by the Department as described here-in.

The County requires the following from the Contractor at traffic signal turn-on.



- 1) The Contractor shall, at the turn-on furnish one hard copy set of signal plans (24"x36") of record with field revisions marked in red ink to the maintaining agency.
- 2) Field Testing. Written notification from the Contractor and the equipment vendor of satisfactory field testing with corresponding material performance measurements, such as for detector loops and fiber optic systems (see Article 801.13). One hard copy of all contract required performance measurement testing shall also be provided.
- 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) Pictures. Digital pictures of a minimum 12M pixels of each intersection approach showing all traffic signal displays and equipment. Pictures shall include controller cabinet equipment in enough detail to clearly identify manufacture and model of major equipment.
- 5) Materials Approval. The material approval letter. A hard copy shall also be provided.
- 6) Manuals. Operation and service manuals of the signal controller and associated control equipment. One hard copy shall also be provided.
- 7) Cabinet Wiring Diagram and Cable Logs. Five (5) hard copies 11" x 17" of the cabinet wiring diagrams shall be provided along with electronic pdf and dgn files of the cabinet wiring diagram. Five hard copies of the cable logs and electronic excel files shall be provided with cable #, number of conductors and spares, connected device/signal head and intersection location.
- 8) Controller Programming Settings. The traffic signal controller's timings; backup timings; coordination splits, offsets, and 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 controller manufacturer shall also supply a printed form, not to exceed 11" x 17" for recording that data noted above. The form shall include a location, date, manufacturer's 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.
- 9) All Manufacturer and Contractor warranties and guaranties required by Article 801.14.
- 10) GPS coordinate of traffic signal equipment as describe in the Record Drawings section herein.

## RECORD DRAWINGS

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

- a. When the work is complete, and seven days before the request for a final inspection, the full-size set of contract drawings. Stamped "RECORD DRAWINGS", shall be submitted to the Engineer for review and approval and shall be stamped with the date and the signature of the Contractor's supervising Engineer

or electrician. The record drawings shall be submitted in PDF format on CDROM as well as hardcopy for review and approval. If the contract consists of multiple intersections, each intersection shall be saved as an individual PDF file with TS# and location name in its file name.

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

Add the following to Article 801.16 of the Standard Specifications:

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

- All Mast Arm Poles and Posts
- Traffic Signal Wood Poles
- Rail Road Bungalow
- UPS
- Handholes
- Conduit roadway crossings
- Controller Cabinets
- Communication Cabinets
- Electric Service Disconnect locations
- CCTV Camera installations
- Fiber Optic Splice Locations
- Conduit Crossings

Datum to be used shall be North American 1983.

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

1. File shall be named: TSXXX-YY-MM-DD (i.e. TS22157\_15-01-01)
2. Each intersection shall have its own file
3. Row 1 should have the location name (i.e. 103<sup>rd</sup> Street at Central Avenue)
4. Row 2 is blank
5. Row 3 is the headers for the columns
6. Row 4 starts the data
7. Column A (Date) – should be in the following format: MM/DD/YYYY
8. Column B (Item) – as shown in the table below
9. Column C (Description) – as shown in the table below
10. Column D and E (GPS Data) – should be in decimal form, per the County special provisions

Examples:

Date	Item	Description	Latitude	Longitude
01/01/2015	MP (Mast Arm Pole)	NEQ, NB, Dual, Combination Pole	41.580493	-87.793378
01/01/2015	HH (Handhole)	Heavy Duty, Fiber, Intersection, Double	41.558532	-87.792571
01/01/2015	ES (Electrical Service)	Ground mount, Pole mount	41.765532	-87.543571
01/01/2015	CC (Controller Cabinet)		41.602248	-87.794053
01/01/2015	RSC (Rigid Steel Crossing)	IL 31 east side crossing south leg to center HH at Klausen	41.611111	-87.790222
01/01/2015	PTZ (PTZ)	NEQ extension pole	41.593434	-87.769876
01/01/2015	POST (Post)		41.651848	-87.762053
01/01/2015	MCC (Master Controller Cabinet)		41.584593	-87.793378
01/01/2015	COMC (Communication Cabinet)		41.584600	-87.793432
01/01/2015	BBS (Battery Backup System)		41.558532	-87.792571

Prior to the collection of data, the contractor shall provide a sample data collection of at least six data points of known locations to be reviewed and verified by the Engineer to be accurate within 1 feet. Upon verification, data collection can begin. Data collection can be made as construction progresses, or can be collected after all items are installed. If the data is unacceptable the contractor shall make corrections to the data collection equipment and or process and submit the data for review and approval as specified.

Accuracy. Data collected is to be mapping grade. A handheld mapping grade GPS device shall be used for the data collection. The receiver shall support differential correction and data shall have a minimum 1 foot accuracy after post processing GPS receivers integrated into cellular communication devices, recreational and automotive GPS devices are not acceptable.

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

#### Location of Underground State and County Maintained Facilities.

Revise Article 803 to read as follows.

County traffic signal facilities are not part of any of the one-call locating service such as J.U.L.I.E or Digger. 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.

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.

Bagging Signal Heads.

Light tan colored traffic and pedestrian signal reusable covers shall be used to cover dark/un-energized signal sections and visors. Covers shall be made of outdoor fabric with urethane coating for repelling water, have elastic fully sewn around the cover ends for a tight fit over the visor, and have a minimum of two straps with buckles to secure the cover to the backplate. A center mesh strip allows viewing without removal for signal status testing purposes. Covers shall include a message indicating the signal is not in service.

**SPECIAL PROVISION  
FOR  
LIGHT EMITTING DIODE (LED) TRAFFIC SIGNAL**

This work shall consist of furnishing and installing a traffic signal head or pedestrian signal head with light emitting diodes (LED) of the type specified in the plan or retrofitting an existing traffic signal head with a traffic signal module or pedestrian signal module with LEDs as specified in the plans.

LED signal heads (All Face and Section Quantities), (All Mounting Types) shall conform fully to the requirements of Sections 880 and 881 and Articles 1078.01 and 1078.02 of the Standard Specifications amended herein:

LED modules proposed for use shall be approved by IDOT District One.

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

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

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

1. The LED signal modules shall be replaced or repaired if an LED signal module fails to function as intended due to workmanship or material defects within the first 7 years from the date of turn-on. 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 7 years of the date of turn-on shall be replaced or repaired. The manufacturer's written warranty for the LED signal modules shall be dated, signed by an Officer of the company and included in the product submittal to the County.

(a) **Physical and Mechanical Requirements**

1. Modules can be manufactured under this specification for the following faces:
  - a. 12 inch (300 mm) circular, multi-section
  - b. 12 inch (300 mm) arrow, multi-section
2. The maximum weight of a module shall be 4 lbs. (1.8 kg).

3. Each module shall be a sealed unit to include all parts necessary for operation (a printed circuit board, power supply, a lens and gasket, etc.), and shall be weather proof after installation and connection.
4. Material used for the lens and signal module construction shall conform to ASTM specifications for the materials.
5. The lens of the module shall be tinted with a wavelength-matched color to reduce sun phantom effect and enhance on/off contrast. The tinting shall be uniform across the lens face. Polymeric lens shall provide a surface coating or chemical surface treatment applied to provide abrasion resistance. The lens of the module shall be integral to the unit, convex with a smooth outer surface and made of plastic. The lens shall have a textured surface to reduce glare.
6. The use of tinting or other materials to enhance ON/OFF contrasts shall not affect chromaticity and shall be uniform across the face of the lens.
7. Each module shall have a symbol of the type of module (i.e. circle, arrow, etc.) in the color of the module. The symbol shall be 1 inch (25.4 mm) in diameter. Additionally, the color shall be written out in 1/2 inch (12.7mm) letters next to the symbol.

(b) Photometric Requirements

The LEDs utilized in the modules shall be AlInGaP technology for red, yellow, Portland orange (pedestrian) and white (pedestrian) indications, and GaN for green indications, and shall be the ultra bright type rated for 100,000 hours of continuous operation from -40°C to +74°C.

(c) Electrical

1. Maximum power consumption for LED modules is per Table 2.
2. Operating voltage of the modules shall be 120 VAC. All parameters shall be measured at this voltage.
3. The modules shall be operationally compatible with currently used controller assemblies (solid state load switches, flashers, and conflict monitors).
4. When a current of 20 mA AC (or less) is applied to the unit, the voltage read across the two leads shall be 15 VAC or less.
5. The LED modules shall provide constant light output under power. Modules with dimming capabilities shall have the option disabled or set on a non-dimming operation.
6. The individual LEDs shall be wired such that a catastrophic loss or the failure of one or more LED will not result in the loss of the entire module.

(d) Retrofit Traffic Signal Module

1. The following specification requirements apply to the Retrofit module only. All general specifications apply unless specifically superseded in this section.
  2. Retrofit modules can be manufactured under this specification for the following faces:
    - a. 12 inch (300 mm) circular, multi-section
    - b. 12 inch (300 mm) arrow, multi-section
  3. Each Retrofit module shall be designed to be installed in the doorframe of a standard traffic signal housing. The Retrofit module shall be sealed in the doorframe with a one-piece EPDM (ethylene propylene rubber) gasket.
  4. The maximum weight of a Retrofit module shall be 4 lbs. (1.8 kg).
  5. Each Retrofit module shall be a sealed unit to include all parts necessary for operation (a printed circuit board, power supply, a lens and gasket, etc.), and shall be weather proof after installation and connection.
  6. Electrical conductors for modules, including Retrofit modules, shall be 39.4 inches (1m) in length, with quick disconnect terminals attached.
  7. The lens of the Retrofit module shall be integral to the unit, shall be convex with a smooth outer surface and made of plastic or of glass.
- (e) The following specification requirements apply to the 12 inch (300 mm) arrow module only. All general specifications apply unless specifically superseded in this section.
1. The arrow module shall meet specifications stated in Section 9.01 of the Equipment and Material Standards of the Institute of Transportation Engineers (November 1998) [ITE Standards], Chapter 2 (Vehicle Traffic Control Signal Heads) for arrow indications.
  2. The LEDs arrow indication shall be a solid display with a minimum of three (3) outlining rows of LEDs and at least one (1) fill row of LEDs.
- (f) The following specification requirement applies to the 12 inch (300 mm) programmed visibility PV module only. All general specifications apply unless specifically superseded in this section.
1. The module shall be a module designed and constructed to be installed in a programmed visibility (PV) signal housing without modification to the housing.

**Basis of Payment.** This item shall be paid for at the contract unit price EACH for SIGNAL HEAD, LED, or OPTICALLY PROGRAMMED SIGNAL HEAD, LED, PEDESTRIAN SIGNAL HEAD, LED, of the type specified, which price shall be payment in full for furnishing the equipment described above including signal head, LED(s) modules, all mounting hardware, and installing them in satisfactory operating condition. The type specified will indicate the number of signal faces, the number of signal sections, and the method of mounting.

When installed in an existing signal head, this item shall be paid for at the contract unit price EACH for SIGNAL HEAD, LED, OPTICALLY PROGRAMMED SIGNAL HEAD, LED, PEDESTRIAN SIGNAL HEAD, LED of the type specified, RETROFIT, which price shall be payment in full for furnishing the equipment described above including LED(s) modules, all mounting hardware, and installing them in satisfactory operating condition. The type specified will indicate the number of signal faces, the number of signal sections, and the method of mounting.



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

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

Description.

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

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

Application.

1. Pedestrian Countdown Signal Heads shall not be used at signalized intersections where traffic signals and railroad warning devices are interconnected.
2. All pedestrian signals at an intersection shall be the same type and have the same display. No mixing of countdown and other types of pedestrian traffic signals will be permitted.

Installation.

1. Pedestrian Countdown Signal Heads shall be 16 inch (406mm) x 18 inch (457mm), for single units with the housings glossy black polycarbonate. All pedestrian head housings shall be the same color (yellow or black) at the intersection. For new signalized intersections and existing signalized intersections where all pedestrian heads are being replaced, the proposed head housings shall be black. Where only selected heads are being replaced, the proposed head housing color (yellow or black) shall match existing head housings. Connecting hardware and mounting brackets shall be polycarbonate (black). A corrosion resistant anti-seize lubricant shall be applied to all metallic mounting bracket joints, and shall be visible to the inspector at the signal turn-on.
2. Each pedestrian signal LED module shall be fully MUTCD compliant and shall consist of double overlay message combining full LED symbols of an Upraised Hand and a Walking Person. "Egg Crate" type sun shields are not permitted. Numerals shall measure 9 inches (229mm) in height and easily identified from a distance of 120 feet (36.6m).

Material.

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

2. At power on, the module shall enter a single automatic learning cycle. During the automatic learning cycle, the countdown display shall remain dark.
3. The module shall re-program itself if it detects any increase or decrease of Pedestrian Timing. The counting unit will go blank once a change is detected and then take one complete pedestrian cycle (with no counter during this cycle) to adjust its buffer timer.
4. If the controller preempts during the Walking Person (symbolizing Walk), the countdown will follow the controller's directions and will adjust from Walking Person to flashing Upraised Hand. It will start to count down during the flashing Upraised Hand.
5. If the controller preempts during the flashing Upraised Hand, the countdown will continue to count down without interruption.
6. The next cycle, following the preemption event, shall use the correct, initially programmed values.
7. If the controller output displays Upraised Hand steady condition and the unit has not arrived to zero or if both the Upraised Hand and Walking Person are dark for some reason, the unit suspends any timing and the digits will go dark.
8. The digits will go dark for one pedestrian cycle after loss of power of more than 1.5 seconds.
9. The countdown numerals shall be two (2) "7 segment" digits forming the time display utilizing two rows of LEDs.
10. The LED module shall meet the requirements of the Institute of Transportation Engineers (ITE) LED purchase specification, "Pedestrian Traffic Control Signal Indications - Part 2: LED Pedestrian Traffic Signal Modules," or applicable successor ITE specifications, except as modified herein.
11. 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.
12. In the event of a power outage, light output from the LED modules shall cease instantaneously.
13. The LEDs utilized in the modules shall be AlInGaP technology for Portland Orange (Countdown Numerals and Upraised Hand) and GaN technology for Lunar White (Walking Person) indications.
14. The individual LEDs shall be wired such that a catastrophic loss or the failure of one or more LED will not result in the loss of the entire module.

#### Electrical.

1. Maximum power consumption for LED modules is 20 watts.
2. The measured chromaticity shall remain unchanged over the input line voltage range listed of 80 VAC to 135 VAC.

Basis of Payment. This item shall be paid for at the contract unit price EACH for PEDESTRIAN SIGNAL HEAD, LED, COUNTDOWN of the type specified, which shall be payment in full for furnishing the

equipment described above including LED(s) modules, all mounting hardware, and installing them in satisfactory operating condition. The type specified will indicate the number of faces and the method of mounting.

If the work consists of retrofitting an existing polycarbonate pedestrian signal head and pedestrian countdown signal head with light emitting diodes (LEDs), it will be paid for as a PEDESTRIAN SIGNAL HEAD, LED, RETROFIT, of the type specified, and of the particular kind of material, when specified. Price shall be payment in full for furnishing the equipment described above including LED modules, all mounting hardware, and installing them in satisfactory operating condition.

SPECIAL PROVISION  
FOR  
TRAFFIC SIGNAL BACKPLATE

The furnishing and installation of this item shall meet the requirements of Section 882 and 1078.03 of the Standard Specifications, except as follows:

Backplates shall be aluminum and louvered with a minimum thickness of 0.05 inch (1.3 mm).

The surface of the backplate shall provide openings (louvers) to allow wind to penetrate and thereby reduce the wind loading on the mast arm and pole. The louver openings shall cover a minimum of twenty (20) percent of the surface area of the backplate. The louvers shall be designed not to deter the purpose of the backplate, which is to shield the signal lens from sunlight. The louvers shall be spaced symmetrically on the backplate in such a way as not to adversely affect its structural integrity.

When more than one backplate is mounted on a pole or post, their louvered symmetry shall be the same.

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

The reflective backplate shall not contain louvers.

Basis of Payment. This work will be paid for at the contract unit price EACH for TRAFFIC SIGNAL BACKPLATE, of the type specified, which price shall be payment in full for furnishing and installing the traffic signal backplate complete.

**SPECIAL PROVISION  
FOR  
TRAFFIC SIGNAL POST AND PEDESTRIAN PUSHBUTTON POST**

The furnishing and installation of this item shall meet the requirements of Sections 106.01, 875, 876, 1077.01 and 1077.02 of the Standard Specifications, except as follows:

All posts (steel), bases (cast iron), and related mounting hardware shall be hot-dipped galvanized in accordance with AASHTO M 111. A magnetic field tester may be utilized at any time to determine the thickness of galvanization. Average galvanization thickness shall be 2.0 oz. per square foot and minimum thickness shall be 1.8 oz. per square foot. The Contractor shall use a fabric post tightener to attach the post to the base. If the galvanization on the post is removed using a chain post tightener exposing bare metal, the post shall be rejected and replaced with a new post.

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

If the fabricator elects to cut and thread the post after the galvanization process, the bare metal shall immediately be cleaned to remove all cutting solvents and oils, then sprayed with two (2) coats of galvanized compound. If the Department approves painting, powder coating by the manufacturer will be required over the galvanizing.

At intersections where all the posts are not being replaced, the traffic signal base shall match existing condition (octagonal or square). Square base shall be used when all new posts and bases are installed at an intersection.

When octagonal bases are used, the bases shall be cast iron, 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.

Bases shall be cast iron and square in shape, approximately 15 inches (375 mm) high and 14 inches (350 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 between 12" (300mm) and 14" (350mm) 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 plumbed 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 A, 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. If the Department

approves painting, powder coating by the manufacturer will be required over the galvanization in accordance with TRAFFIC SIGNAL PAINTING Special Provisions.

**SPECIAL PROVISION  
FOR  
STEEL MAST ARM ASSEMBLY AND POLE AND/OR STEEL  
COMBINATION MAST ARM ASSEMBLY AND POLE**

The furnishing and installation of a steel mast arm assembly and pole and/or steel combination mast arm assembly and pole shall meet the requirements of Section 106.01, 877 and 1077.03 of the Standard Specifications, Plans, and the Standard Drawings for Mast Arm Assembly and Pole, except as follows:

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

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 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 and shall be constructed and designed to allow air to circulate throughout the mast arm. The shroud shall not extend beyond the beveled edge of the top of the mast arm pole foundation to assure ADA requirements are met and to prevent infestation of insects or other animals. All mounting hardware shall be stainless steel. Where a shroud cannot meet these requirements, a stainless steel screen mesh ¼ inch maximum opening with a minimum

wore diameter of AWG 16 with a minimum 2 inch lap shall be installed to enclose the void between the base plate and the foundation. The stainless steel screen wire shall be formed to the shape of the base plate and fasten to the base plate with 3/4 inch stainless steel banding. The screen wire shall overlap and be fastened with a ring type connector. 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, luminaire, 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.

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

Anchor Rods. 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. For installation as a stand-alone traffic signal, connected to a closed loop system or integrated into an advance traffic management system (ATMS), controllers shall be Econolite ASC/3S-1000 or Eagle/Siemens M52 unless specified otherwise on the plans or elsewhere on these specifications. Only controllers supplied by one of the District One approved closed loop equipment suppliers will be allowed. Unless specified otherwise on the plans or these specifications, the controller shall be of the most recent model and software version supplied by the equipment supplier at the time of the traffic signal TURN-ON. A removable controller data key shall also be provided. 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 preemption events and shall inhibit simultaneous display of circular yellow and yellow arrow indications.

For integration into an ATMS such as Centrats, Tactics, or TransSuite, the controller shall have the latest version of NTCIP software installed. For operation prior to integration into an ATMS, the controller shall maintain existing close loop management communications.

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

- Cabinets shall be designed for NEMA TS2 Type 1 operation. All cabinets shall be pre-wired for a minimum of eight (8) phases of vehicular, four (4) phases of pedestrian, pedestrian pushbutton isolation. Isolation cards will be required for all pedestrian pushbuttons and four (4) phases of overlap operation.
- Revise "conflict monitor" to read "Malfunction Management Unit"
- 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 – Shall be a 120VAC Single phase Modular filter Plug-in type, supplied from an approved vendor.
- BIU – shall be secured by mechanical means.
- Transfer Relays – Solid state or mechanical flash relays are acceptable.
- Switch Guards – All switches shall be guarded.
- Heating – One (1) 200 watt, thermostatically-controlled, electric heater.
- Lighting – One (1) LED Panel shall be placed inside the cabinet top panel and one (1) LED Panel shall be placed on each side of the pull-out drawer/shelf assembly located beneath the controller support shelf. The LED Panels shall be controlled by a door switch. The LED Panels shall be provided from an approved vendor.
- The cabinet shall be equipped with a pull-out drawer/shelf assembly. A 1 ½ inch (38mm) deep drawer shall be provided in the cabinet, mounted directly beneath the controller support shelf. The drawer shall have a hinged top cover and shall be capable of accommodating one (1) complete set of cabinet prints and manuals. This drawer shall support 50 lbs. (23 kg) in weight when fully extended. The drawer shall open and close smoothly. Drawer dimensions shall make maximum use of available depth offered by the controller shelf and be a minimum of 18 inches (610mm) wide.
- Plan & Wiring Diagrams – 12” x 15” (305mm x 406mm) 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.
- When “Full Actuated Controller and Cabinet, Type Super P” is used, the cabinet housing shall have the following nominal outside dimensions: a width of 59 in., a depth of 26 in., and a height of 57 in. The cabinet shall have a integrated Uninterruptible Power Supply compartment which holds the backup system and batteries. The battery portion of the cabinet shall be separated from the controller equipment portion of the cabinet by 1/8 inch thick aluminum 5052-H32. The bottom of

the battery portion of the cabinet shall be 1/8 inch thick aluminum 5052-H-32. The battery cabinet door shall meet the same specifications as the controller portion except that the door hinge is 14 gage stainless steel with 0.12 stainless steel pin. The Battery compartment has three adjustable shelves, full width, 12" deep standard.,

- A GE KeySafe Slimline Pushbutton Lockbox or approved equal shall be provided in the cabinet.

**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 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  
PEDESTRIAN PUSH-BUTTON**

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

This item shall consist of furnishing and installing a latching (single call) or non-latching (dual call) push-button assembly which shall be ADA compliant, highly vandal resistant, be pressure activated with minimal movement and can not be stuck in a closed or constant call position. A mounting bracket and/or extension shall be used to assure proper orientation when two pedestrian push buttons are required for one post. The price of the bracket and/or extension shall be included in the cost of the pedestrian push button. The contractor is not allowed to install a push-button assembly with the sign below the push-button in order to meet mounting requirements.

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

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

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

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

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

**SPECIAL PROVISION  
FOR  
CONDUIT**

The installation of a conduit shall meet the requirements of Sections 810, 811 of the Standard Specifications, except as revised with this Special Provision.

Pavement, driveways, and curbs shall not be removed to install electrical conduits.

All conduit installed underground shall have a minimum depth of two feet six inches (2'-6" [760 mm]) except under railroad tracks where the conduit shall be a minimum of five feet (5' [1.52 m]) as measured to the outside diameter of the conduit on the top side.

"All metal conduit installed underground shall be Rigid Steel Conduit unless otherwise indicated on the plans." The ends of rigid metal conduit to be capped shall be threaded, the threads protected with full galvanizing, and capped with a threaded galvanized steel cap. 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.

"All raceways which extend outside of a structure or duct bank but are not terminated in a cabinet, junction box, pull box, handhole, post, pole, or pedestal shall extend a minimum of 300 mm (12") or the length shown on the plans beyond the structure or duct bank. The end of this extension shall be capped and sealed with a cap designed for the conduit to be capped. The ends of rigid metal conduit to be capped shall be threaded, the threads protected with full galvanizing, and capped with a threaded galvanized steel cap.

The ends of rigid nonmetallic conduit and coilable nonmetallic conduit shall be capped with a rigid PVC cap of not less than 3 mm (0.125") thick. The cap shall be sealed to the conduit using a room-temperature-vulcanizing (RTV) sealant compatible with the material of both the cap and the conduit. A washer or similar metal ring shall be glued to the inside center of the cap with epoxy, and the pull cord shall be tied to this ring."

All conduit attached to a structure shall have a minimum of one (1) expansion joint placed within the length of the attached conduit. At each end of the structure the Contractor shall install a weatherproof galvanized cast iron box with a minimum size of 8" (200 mm) x 8" (200 mm) x 6" (150 mm) deep. The installation of these two (2) boxes and any required expansion joints shall be considered incidental to the unit price for conduit attached to structure.

Basis of Payment. This work will be paid for at the contract unit price per FOOT (METER) for UNDERGROUND CONDUIT or CONDUIT ATTACHED TO STRUCTURE, of the type and size specified, which price shall be payment in full for furnishing and installing the conduit and fittings complete. Trench and Backfill will not be paid for separately.

**SPECIAL PROVISION  
FOR  
ELECTRIC CABLE**

The installation of an electric cable shall meet the requirements of Section 873, 1088.01 and 1076.04 of the Standard Specifications and District One Standard Traffic Signal Design Details with the addition as the following:

The jacket for electric cable in this contract shall be of the polyvinyl chloride type meeting the requirements of IMSA 19-1. (Traffic signal cable shall be solid copper No. 14 unless otherwise specified in the plans or these Special Provisions). No other type of jacket will be allowed, except as follows:

The service cable may have a XLP jacket. Service cable may be single or multiple conductor cable.

Communications and lead-in cable shall have a gray or chrome jacket.

Electric cable sized No. 12 AWG and smaller shall be solid.

The length of cable slack shall be in accordance with District One Standard Traffic Signal Design Details.

The cable splice connection of the detector loop and the lead-in cable to the controller shall conform to Section 873 of the Standard Specifications or to the requirements set forth in the "District 1 Standard Traffic Signal Design Details".

Heat shrink splices shall be used according to "District 1 Standard Traffic Signal Design Details".

Basis of Payment. This work will be paid for at the contract unit price per FOOT (METER) for ELECTRIC CABLE of the type, size and number of conductors as specified., which price shall be payment in full for furnishing the material and making all electrical connections and installing the cable complete, measured as specified.

**SPECIAL PROVISION  
FOR  
FIBER OPTIC CABLE**

The installation of a fiber optic electric cable and tracer cable shall meet the requirements of Section 817, 871 and 872 of the Standard Specifications, except as follows:

The Fiber Optic cable shall be installed in conduit or as specified on the plans.

The control cabinet distribution enclosure shall be 24 Port Fiber Wall Enclosure unless otherwise indicated on plans. The fiber optic cable shall provide twelve (12) fibers per tube for the amount of fibers called for in the Fiber Optic Cable pay item in the Contract. Fiber Optic cable may be gel filled or have an approved water blocking tape.

A minimum of six (6) multimode fibers from each cable shall be terminated with approved mechanical connectors in the distribution enclosure. Fibers not being used shall be labeled "SPARE". Fibers not attached to the distribution enclosure shall be capped. A minimum of 13 feet (4 m) of extra slack cable shall be provided for the controller cabinet. The controller cabinet extra slack cable shall be stored as directed by the Engineer.

In order to trace the fiber optic cable after installation, an XLP black insulated copper cable No. 14 AWG shall be pulled in the same conduit as the fiber optic cable. The tracer cable shall be continuous, extended into the controller cabinet and terminated on a barrier type terminal strip mounted on the side wall of the controller cabinet. The barrier type terminal strip and tracer cable shall be clearly marked and identified. The tracer cable will be allowed to be spliced at the handholes only. All tracer cable splices shall be kept to a minimum and shall incorporate maximum lengths of cable supplied by the manufacturer. The tracer cable splice shall use a Western Union Splice soldered with resin core flux and shall be soldered using a soldering iron. All exposed surfaces of the solder shall be smooth. Blow torches or other devices which oxidize copper cable shall not be allowed for soldering operations. The splice shall be covered with a black shrink tube meeting UL 224 guidelines, Type V and rated 600v, minimum length 4" (100 mm) and with a minimum 1" (25 mm) coverage over the XLP insulation, underwater grade.

Testing shall be in accordance with Article 801.13(d). Electronic files of OTDR signature traces shall be provided in the Final project documentation with certification from the Contractor that attenuation of each fiber does not exceed 3.5 dB/km nominal at 850nm for multimode fiber and 0.4 dB/km nominal at 1300nm for singlemode fiber.

Basis of Payment. This work will be paid for at the contract unit price per FOOT (METER) for FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 MM12F SM24F , which price shall be payment in full for furnishing the material (including connectors) and distribution enclosure and making all connections, splices and installing the cable complete, measured as specified. The tracer cable shall be paid for as ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C per FOOT (METER), which price shall include all associated labor and material for installation.

**SPECIAL PROVISION  
FOR  
GROUNDING OF TRAFFIC SIGNAL SYSTEMS AND GROUNDING CABLE**

All traffic signal systems, equipment and appurtenances shall be properly grounded in strict conformance with the National Electrical Code and meet the requirements of section 806 of the Standard Specifications. 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 UL Listed grounding connector, to all traffic signal mast arm poles, traffic signal posts, pedestrian 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 connection, using a sized compression type copper sleeve, sealant tape, and heat-shrinkable cap. A UL listed electrical joint compound shall be applied to all conductors' terminations, connector threads and contact points. Conduit grounding bushings shall be installed at all conduit terminations including spare or empty conduits. 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, UL listed pressure connectors, UL listed clamps.



**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, EQUIPMENTGROUNDING 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  
HANDHOLE**

The installation of a handhole shall meet the requirements of Section 814 of the Standard Specifications, with the addition as the following:

All handholes shall be concrete poured in place against undisturbed earth. No pre-cast concrete handholes will be accepted.

The handholes shall have an inside dimension of 21-1/2" (549 mm) minimum. Frames and lid openings shall match this dimension.

The cover of the handhole shall be labeled "TRAFFIC SIGNALS" with legible raised letters.

All conduits will enter the handhole at a depth of 30" (760 mm) except for the conduits between the curb and handhole for detector loops when the handhole is less than five (5) feet (1.52 m) from the detector loop. All conduit ends should be sealed with a waterproof sealant to prevent the entrance of contaminants into the handhole.

For grounding purposes the handhole frame shall have provisions for a 7/16" (15.875 mm) diameter stainless bolt cast into the frame. The covers shall have a stainless steel threaded stint extended from the eye hook assembly for the purpose of attaching the grounding conductor to the handhole frame and cover.

The minimum wall thickness for heavy duty hand holes shall be 12 inches (300 mm).

Steel cable hooks shall be coated with hot-dipped galvanization in accordance with AASHTO Specification M111. Hooks shall be a minimum of 1/2 inch (12.7mm) diameter with two 90 degree bends and extend into the handhole at least 6 inches (150 mm). Hooks shall be placed a minimum of 12 inches (300 mm) below the lid or lower if additional space is required.

The French drain shall be constructed of crushed stone or gravel, Gradation CA 5 or CA 7, and according to Section 601 of the Standard Specifications.

Basis of Payment. This work will be paid for at the contract unit price EACH for HANDHOLE, HEAVY-DUTY HANDHOLE, or DOUBLE HANDHOLE, which price shall be payment in full for all necessary excavating, backfilling, disposal of unsuitable materials, and furnishing all materials within the limits of the handhole.

**SPECIAL PROVISION  
FOR  
CONCRETE FOUNDATION**

The installation of a concrete foundation shall meet the requirements of Section 106.01, 878 and 1006.09 of the Standard Specifications, the Standard Drawing for Concrete Foundations and District One Standard Traffic Signal Design Details with the addition as the following:

All anchor bolts shall be according to Section 1006.09, except all anchor bolts shall be hot dipped galvanized a minimum of 12 in. (300 mm) from the threaded end.

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

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 mail to the County Engineer. The Contractor shall also provide a copy of the contract plan or special provision showing the quantities and type of equipment. Controllers and peripheral equipment from the same location shall be boxed together (equipment from different locations may not be mixed) and all boxes and controller cabinets shall be clearly marked or labeled with the location from which they were removed. If equipment is not returned with these requirements, it will be rejected by the Agency's Electrical Maintenance Contractor. The Contractor shall be responsible for the condition of the traffic signal equipment from the time Contractor takes maintenance of the signal installation until the acceptance of a receipt drawn by the Agency's Electrical Maintenance Contractor indicating the items have been returned in good condition.

The traffic signal equipment which is to be removed and is to become the property of the Contractor shall be disposed of by them outside the right-of-way at their expense.

All equipment is to be disassembled so as to make for easy loading and storage into Agency stock as per the Engineers instructions.

Traffic signal equipment which is lost or not returned to the Department for any reason shall be replaced with new equipment meeting the requirements of these Specifications at no cost to the contract.

Basis of Payment. This work will be paid for at the contract unit price EACH for REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT per intersection which price shall be payment in full for removing the equipment, and storing and/or disposing of it as required. The salvage value of the equipment retained by the Contractor shall be reflected in this contract unit price.

**SPECIAL PROVISION  
FOR  
TEMPORARY TRAFFIC SIGNAL INSTALLATION**

This item shall consist of furnishing, installing, maintaining and removing a temporary traffic signal installation at an existing intersection as shown on the plans and as described herein including but not limited to temporary signal heads, emergency vehicle priority systems, interconnect, vehicle detectors, uninterruptible power supply, and signing. Temporary traffic signal controllers and cabinets interconnected to railroad traffic control devices shall be new. When temporary traffic signals will be operating within a county or local agency Traffic Management System, the equipment must be NTCIP compliant and compatible with the current operating requirements of the Traffic Management System.

The energy charges for the operation of the traffic signal installation shall be paid for by others if the installation is replacing an existing signal. Otherwise charges shall be paid for under Section 109.05 of the Road Specifications.

Only an approved Equipment Vendor will be allowed to assemble the temporary traffic signal cabinet. Only controllers supplied by an approved Equipment Vendor will be approved for use on temporary traffic signals. Only an approved Closed Loop Equipment Vendor shall assemble and test a temporary railroad interconnected traffic signal cabinet. (Refer to Traffic Actuated Controller Specification). A representative of the approved control Equipment Vendor shall be present at the temporary traffic signal turn-on inspection.

The installation of a temporary traffic signal installation shall meet the requirements of Section 890 and 801.11 of the Standard Specifications and the Standard Drawings, except as follows:

Equipment. The Contractor shall provide the following:

- All control equipment for the temporary traffic signals shall be furnished by the Contractor unless otherwise stated in the plans. On projects with multiple temporary traffic signal installations, all controllers shall be of the same manufacturer brand and model number with current software installed.
- Only controllers supplied by one of the Cook County Highway Department approved closed loop equipment manufacturers will be approved for use at temporary signal locations. Controllers used for temporary traffic signals shall be fully actuated NEMA microprocessor based with RS232 data entry ports compatible with the latest revision of monitoring software approved CCDOTH or District 1 installed in NEMA TS2 cabinets with 8 phase back panels, capable of supplying 255 seconds of cycle length and individual phase length settings up to 99 seconds. On projects with one lane open and two way traffic flow, such as bridge deck repairs, the temporary signal controller shall be capable of providing an adjustable all red clearance setting of up to 30 seconds in length.
- All temporary traffic signal controllers shall meet or exceed the requirements of section 857 with regards to internal time coordination and preemption. The controller settings shall be set in the field as directed by the Engineer.
- All railroad interconnected temporary controllers, cabinets and peripheral equipment shall be new and shall satisfy the requirements of Article 857.02 of the Standard Specifications as modified herein. Only

controllers and cabinet supplied by one of the IDOT district 1 approved closed loop equipment manufactures will be allowed.

- All temporary traffic signal cabinets shall have a closed bottom made of aluminum alloy. The bottom shall be sealed along the entire perimeter of the cabinet base to ensure a water, dust and insect-proof seal. The bottom shall provide a minimum of two (2) 100 mm (4 inch) diameter holes to run the electric cables through. The 100 mm (4 inch) diameter holes shall have a bushing installed to protect the electric cables and shall be sealed after the electric cables are installed.
- Grounding shall be provided for the temporary traffic signal cabinet meeting or exceeding the applicable portions of the National Electrical Code, Section 806 of the Standard Specifications and shall meet the requirements of the District 1 and Cook County Traffic Signal Specifications for "Grounding of Traffic Signal Systems".
- All traffic signal sections shall be of the 12" (300 mm) type and Pedestrian signal sections shall be 16 inch (406mm) x 18 inch (457mm). Traffic signal section shall be LED with expandable view, unless otherwise approval by the Engineer. Pedestrian signal heads shall be Light Emitting Diode (LED) Pedestrian Countdown Signal Heads except when a temporary traffic signal is installed at an intersection interconnected with a railroad grade crossing. When a temporary traffic signal is installed at an intersection interconnected with a railroad grade crossing, Light Emitting Diode (LED) Pedestrian Signal Heads shall be furnished. The temporary traffic signal heads shall be placed as indicated on the temporary traffic signal plan or as directed by the Engineer. If no traffic staging is in place or will not be staged on the day of the turn on, the temporary traffic signal installation shall have the signal head displays, signal head placements and controller phasing match the existing traffic signal, at the time of the turn on. The Contractor shall furnish enough cable slack to relocate heads to any position on the span wire or at locations illustrated on the plans for construction staging. The temporary traffic signal shall remain in operation during all signal head relocations. Each temporary traffic signal head shall have its own cable from the controller cabinet to the signal head. Signal heads shall be mounted no less than 17-ft and no more than 25-ft above the crown of the roadway. Signal heads with backplates shall be measured from the bottom of the backplate for minimum clearance and from the top signal section for maximum clearance.

#### Interconnect.

1. Temporary traffic signal interconnect shall be provided using fiber optic cable or wireless interconnect technology as specified in the plans. The Contractor may request, in writing, to substitute the fiber optic temporary interconnect indicated in the contract documents with a wireless interconnect. The Contractor must provide assurances that the radio device will operate properly at all times and during all construction staging. If approved for use by the Engineer, the Contractor shall submit marked-up traffic signal plans indicating locations of radios and antennas and installation details. If wireless interconnect is used, and in the opinion of the engineer, it is not viable, or if it fails during testing or operations, the Contractor shall be responsible for installing all necessary poles, fiber optic cable, and other infrastructure for providing temporary fiber optic interconnect at no cost to the contract.
2. The existing system interconnect and phone lines are to be maintained as part of the Temporary Traffic Signal Installation specified for on the plan. The interconnect shall be installed into the

temporary controller cabinet as per the notes or details on the plans. All labor and equipment required to install and maintain the existing interconnect as part of the Temporary Traffic Signal Installation shall be included in the item Temporary Traffic Signal Installation. When shown in the plans, temporary traffic signal interconnect equipment shall be furnished and installed. The temporary traffic signal interconnect shall maintain interconnect communications throughout the entire signal system for the duration of the project. Any temporary signal within an existing closed loop traffic signal system shall be interconnected to that system using similar brand control equipment at no additional cost to the contract.

3. Temporary wireless interconnect, complete. The radio interconnect system shall be compatible with Eagle or Econolite controller closed loop systems. This item shall include all materials, labor and testing and all temporary wireless interconnect components, at the adjacent existing traffic signal(s) to provide a completely operational closed loop system. to provide the completely operational closed loop system as shown on the plans. The radio interconnects system shall include the following components:

- a. Rack or Shelf Mounted RS-232 Frequency Hopping Spread Spectrum (FHSS) Radio
- b. Software for Radio Configuration (Configure Frequency and Hopping Patterns)
- c. Antennas (Omni Directional or Yagi Directional)
- d. Antenna Cables, LMR400, Low Loss. Max. 100-ft from controller cabinet to antenna
- e. Brackets, Mounting Hardware, and Accessories Required for Installation
- f. RS232 Data Cable for Connection from the radio to the local or master controller
- g. All other components required for a fully functional radio interconnect system

All controller cabinet modifications and other modifications to existing equipment that are required for the installation of the radio interconnect system components shall be included in this item.

The radio interconnect system may operate at 900Mhz (902-928) or 2.4 Ghz depending on the results of a site survey. The telemetry shall have an acceptable rate of transmission errors, time outs, etc. comparable to that of a hardwire system.

The proposed or existing master controller and telemetry module shall be configured for use with the radio interconnect at a minimum rate of 9600 baud.

The radio interconnect system shall include all other components required for a complete and fully functional telemetry system and shall be installed in accordance to the manufacturers recommendations.

- All existing street name and intersection regulatory signs shall be removed from existing poles and relocated and securely fastened to the signal span wire. The signs shall be relocated to the new and/ or existing mast arm poles and posts at no extra cost. Any intersection regulatory signs that are required for the temporary traffic signal shall be provided as shown on the plans or as directed by the Engineer. Relocation, removing, bagging and installing the regulatory signs for the various construction stages shall be provided as shown on the plans or as directed by the Engineer.

- If lighted signs are existing they shall be taken down and stored by the Contractor and reflective street name signs shall be installed on the temporary signal. The existing lighted sign shall be installed at the updated intersection as part of the pay item Relocate Existing Illuminated Street Name Sign.
- All emergency vehicle preemption equipment (light detectors, light detector amplifiers, confirmation beacons, etc.) as shown on the temporary traffic signal plans shall be provided by the Contractor. It shall be the Contractor's responsibility to contact the municipality or fire district to verify the brand of emergency vehicle preemption equipment to be installed prior to the contract bidding. The equipment must be completely compatible with all components of the equipment currently in use by the Agency. All light operated systems shall operate at a uniform rate of 14.035 Hz  $\pm$ 0.002, or as otherwise required by the Engineer, and provide compatible operation with other light systems currently being operated in the County. All labor and material required to install and maintain the emergency vehicle pre-emption installation shall be included in the item Temporary Traffic Signal Installation.
- All temporary traffic signal installations shall have vehicle detection installed as shown on the plans, or as directed by the Engineer. Pedestrian push buttons shall be provided for all pedestrian signal heads/phases as shown on the plans or as directed by the Engineer. All approaches shall have vehicular detection provided by Vehicle Detection System as shown on the plans or as directed by the Engineer. Video vehicle detection system shall be approved by CCDOTH prior to Contractor furnishing and installing. The Contractor shall install, wire, and adjust the alignment of the video vehicle detection system in accordance to the manufacturer's recommendations and requirements. The Contractor shall be responsible for adjusting the alignment of the video vehicle detection system for all construction staging changes and for maintaining proper alignment throughout the project. A representative of the approved control equipment vendor and the video detection vendor shall be present and assist the contractor in setting up and maintaining the video vehicle detection system. An in-cabinet video monitor shall be provided with all video vehicle detection systems and shall be included in the item Temporary Traffic Signal Installation.
- All temporary traffic signal installations shall have Uninterruptable Power Supply (UPS). The UPS cabinet shall be mounted to the temporary traffic signal cabinet and meet the requirements of Uninterruptable Power Supply in Section 862 of the Standard Specification and as modified in the Uninterruptible Power Supply special provision.

All labor and material required to comply with these requirements shall be included in the bid price of temporary traffic signal installation.

Maintenance Procedures. The Contractor shall perform the following maintenance procedures for each temporary installation designated to remain in operation during construction.

**The Contractor Shall:**

- Have on staff electricians with IMSA Level II certification to provide signal maintenance.
- Patrol and inspect each installation every two (2) weeks for proper alignment of signal heads, light detectors, lamp failures, and general operation of the traffic signal.



- Check all controllers every two (2) weeks, which will include visually inspecting all timing intervals, relays, detectors, and pre-emption equipment to insure that they are functioning properly. This item includes, as routine maintenance, all portions of emergency vehicle pre-emption equipment.
- Provide immediate corrective action to replace burned out lamps or damaged sockets. When lamps are replaced, the reflector and lens shall be cleaned. All replacement lamps shall meet the approval of the Engineer. The Contractor shall repair or replace all defective equipment from any cause whatsoever.
- Maintain in stock at all times a sufficient amount of materials and equipment to provide effective temporary and permanent repairs.
- Provide immediate corrective action when any part or parts of the system fail to function properly. Two far side heads facing each approach shall be considered the minimum acceptable signal operation pending permanent repairs. A near right signal must also be maintained. When repairs at a signalized intersection require that the controller be disconnected and power is available, the Contractor shall place the traffic signal installation on flashing operation. The signals shall flash RED for all directions unless a different indication has been specified by the Engineer.
- The Contractor is required to place stop signs (R1-1-36) at each approach to the intersection as a temporary means of regulating traffic. The Contractor shall furnish and equip all their vehicles assigned to the maintenance of traffic signal installations with a sufficient number of Stop Signs as specified herein. The Contractor shall maintain sufficient number of spare Stop Signs in stock at all times to replace Stop Signs which may be damaged or stolen.
- Replace defective or damaged equipment. If the proper sequence with full detection cannot be obtained immediately, a controller which will provide the proper sequence and full detection shall be installed within twelve (12) hours of removal of the original controller.
- The Contractor shall be required to maintain the existing type of equipment and sequence of operations during the period of time that the original control equipment is being overhauled
- Provide the Engineer with the names, addresses, and telephone numbers of two (2) persons qualified and assigned to the maintenance of the traffic signal installation. These people must be made available 24 hours per day, each and every day of the year for emergency calls by the Engineer.

Respond to all emergency calls from the Department or municipality within one hour after notification and provide immediate corrective action. When equipment has been damaged or becomes faulty beyond repair, the Contractor shall replace it with new and identical equipment. The cost of furnishing and installing the replaced equipment shall be borne by the Contractor at no additional charge to the State or County. The Contractor may institute action to recover damages from a responsible third party. If at any time the Contractor fails to perform all work as specified herein to keep the temporary traffic signal installation in proper operating condition or if the Engineer cannot contact the Contractor's designated personnel, the Engineer shall have the State's or the County's Electrical Maintenance Contractor perform the maintenance work required. The State's or County's Electrical Maintenance Contractor shall bill the Contractor for the total cost of the work. The Contractor shall be responsible for all of the Electrical Maintenance Contractor's cost and liquidated damages of \$1000 per day per

- occurrence. 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.
- Automatic Traffic Enforcement equipment, such as Red Light Enforcement cameras, detectors, and peripheral equipment, damaged or not operating properly from any cause, shall be the responsibility of the municipality or the Automatic Traffic Enforcement Company per Permit agreement.
  - The Contractor shall be responsible to clear snow, ice, dirt, debris or other condition that obstructs visibility of any traffic signal display.

When temporary traffic signals are to be installed at locations where existing signals are presently operating, the Contractor shall be fully responsible for the maintenance of the existing signal installation as soon as any physical work begins on the contract or any portion thereof until which time the temporary signals are functioning and the existing signals are removed. In addition, a minimum of seven days prior to assuming maintenance of the existing traffic signal installation(s) under this contract, the Contractor shall request that the Resident Engineer contact the Design Engineer at (312) 603-1730 for an inspection of the Installation(s). The Design Engineer shall establish a date and time of inspection and at this time shall check the installation to determine if any corrective work should be done by the State's or County's Electrical Maintenance Contractor or the Municipalities Contractor prior to the Contractor taking over maintenance of the installation. The Resident Engineer, Engineer, and the Contractor shall mutually agree on the date of maintenance transfer to the Contractor for this section.

Temporary Traffic Signals for bridge projects shall follow the State Standards, Standard Specifications, Cook County Specifications and any plans for Bridge Temporary Traffic Signals included in the plans. The installation shall meet the Standard Specifications and all other requirements in this "Temporary Traffic Signal Installation" specification. In addition all electric cable shall be aerially suspended, at a minimum height of 18 feet (5.5 m), on temporary wood poles (Class 5 or better) of 45 feet (13.7 m), minimum height. The signal heads shall be span wire mounted or bracket mounted to the wood pole as shown in the plans or as directed by the Engineer. The Controller cabinet shall be mounted to the wood pole or as directed by the Engineer. Video vehicle detection may be used in place of the detector loops as approved by the Engineer.

#### Temporary Portable Traffic Signal for Bridge Projects.

1. Unless otherwise directed by the Engineer, temporary portable traffic signals shall be restricted to use on roadways of less than 8000 ADT that have limited access to electric utility service, shall not be installed on projects where the estimated need exceeds ten (10) weeks, and shall not be in operation during the period of November through March. The Contractor shall replace the temporary portable traffic signals with temporary span wire traffic signals noted herein at no cost to the contract if the bridge project or Engineer requires temporary traffic signals to remain in operation into any part of period of November through March. If, in the opinion of the engineer, the reliability and safety of the temporary portable traffic signal is not similar to that of a temporary span wire traffic signal installation, the Contractor shall replace the temporary portable traffic signals with temporary span wire traffic signals noted herein at no cost to the contract.
2. The controller and LED signal displays shall meet the Standard Specifications and all other requirements in this TEMPORARY TRAFFIC SIGNAL INSTALLATION specification".

3. Work shall be according to Article 701.18(b) of the Standard Specifications except as noted herein.
4. General.
  - a. The temporary portable bridge traffic signals shall be trailer-mounted units. The trailer-mounted units shall be set up securely and level. Each unit shall be self-contained and consist of two signal heads. The left signal head shall be mounted on a mast arm capable of extending over the travel lane. Each unit shall contain a solar cell system to facilitate battery charging. There shall be a minimum of 12 days backup reserve battery supply and the units shall be capable of operating with a 120 V power supply from a generator or electrical service.
  - b. All signal heads located over the travel lane shall be mounted at a minimum height of 17 feet (5m) from the bottom of the signal back plate to the top of the road surface. All far right signal heads located outside the travel lane shall be mounted at a minimum height of 8 feet (2.5m) from the bottom of the signal back plate to the top of the adjacent travel lane surface.
  - c. The long all red intervals for the traffic signal controller shall be adjustable up to 250 seconds in one-second increments.
  - d. As an alternative to detector loops, temporary portable bridge traffic signals may be equipped with video detection or other approved methods of vehicle detection and traffic actuation.
  - e. All portable traffic signal units shall be interconnected using hardwire communication cable. Radio communication equipment may be used only with the approval of the Engineer. If radio communication is used, a site analysis shall be completed to ensure that there is no interference present that would affect the traffic signal operation. The radio equipment shall meet all applicable FCC requirements.
  - f. The temporary portable bridge traffic signal system shall meet the physical display and operational requirements of conventional traffic signals as specified in Part IV and other applicable portions of the currently adopted version of the Manual on Uniform Traffic Control Devices (MUTCD). The signal system shall be designed to continuously operate over an ambient temperature range between -30 °F (-34 °C) and 120 °F (48 °C). When not being utilized to inform and direct traffic, portable signals shall be treated as nonoperating equipment according to Article 701.11.
  - g. Basis of Payment. This work will be paid for according to Article 701.20(c).

**Basis of Payment:** This work will be paid for at the contract unit price EACH for TEMPORARY TRAFFIC SIGNAL INSTALLATION, TEMPORARY BRIDGE TRAFFIC SIGNAL INSTALLATION or TEMPORARY PORTABLE BRIDGE TRAFFIC SIGNAL INSTALLATION, which price shall include all costs for the modifications required for traffic staging, changes in signal phasing as required in the Contract plans, video vehicle detection system, any maintenance or adjustment to the video vehicle detection system, the wireless interconnect system complete, fiber optic interconnect system complete all material required, the installation and complete removal of the temporary traffic signal. Sixty percent of the bid price will be paid following approval of each installation. The remaining 40 percent will be paid following removal of each installation.

**SPECIAL PROVISION  
FOR  
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION**

This item shall consist of maintaining the existing traffic signal installation at an intersection as shown on the plans and as described herein. Full maintenance responsibility shall start as soon as the Contractor begins any physical work on the contract or any portion thereof. If Contract work is started prior to a traffic signal inspection, maintenance of the traffic signal installation(s) will be transferred to the Contractor without an inspection. 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, flashing beacons, PTZ cameras, vehicle detection, handholes, lighted signs 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. This equipment is operated and maintained by the local municipality and should be de-activated while on contractor maintenance.

Regional transit, County, State and other agencies may also have equipment connected to existing traffic signal or peripheral equipment such as PTZ cameras, switches, transit signal priority (TSP and BRT) servers, radios and other devices that shall be included with traffic signal maintenance at no additional cost to the contract.

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. A copy of the certification shall be immediately available upon request of the Engineer.
- 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. The Contractor shall check signal system communications and phone lines to assure proper operation. This

item includes, as routine maintenance, all portions of emergency vehicle pre-emption equipment. Prior to the traffic signal maintenance transfer, the contractor shall supply a detailed maintenance schedule that includes dates, locations, names of electricians providing the required checks and inspections along with any other information requested by the Engineer.

- 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. 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 be responsible for all of the Electrical Maintenance Contractor's cost and liquidated damages of \$1000 per day per occurrence. 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.
- 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.
- Equipment included in this item that is damaged or not operating properly from any cause shall be replaced with new equipment meeting current District One traffic signal specifications and 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 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. Cable splices outside the controller cabinet shall not be allowed.
- Automatic Traffic Enforcement equipment, such as Red Light Enforcement cameras, detectors, and peripheral equipment, damaged or not operating properly from any cause, shall be the responsibility of the municipality or the Automatic Traffic Enforcement Company per Permit agreement.
- The Contractor shall be responsible to clear snow, ice, dirt, debris or other condition that obstructs visibility of any traffic signal display.
- The Contractor shall maintain the traffic signal in normal operation during short or long term loss of utility or battery back-up power at critical locations designated by the Engineer. Critical locations may include traffic signals interconnected to railroad warning devices, expressway ramps, intersection with an SRA route, critical corridors or other locations identified by the Engineer. Temporary power to the traffic signal must meet applicable NEC and OSHA guidelines and may include portable generators and/or replacement batteries.
- Temporary replacement of damaged or knockdown of a mast arm pole assembly shall require construction of a full or partial span wire signal installation or other method approved by the Engineer to assure signal heads are located overhead and over traveled pavement. Temporary replacement of mast arm mount signals with post mount signals will not be permitted.
- Any shutdown of the traffic signal installation, which exceeds fifteen (15) minutes, must have prior approval of the Engineer. Approval to shut down the traffic signal installation will only be granted during the period extending from 10:00 a.m. to 3:00 p.m. on weekdays. Shutdowns shall not be allowed during inclement weather or holiday periods.

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. Each intersection shall be paid for separately. Maintenance of a standalone and or not connected flashing beacon shall be paid for at the contract unit price EACH for MAINTENANCE IF EXISTING FLASHING BEACON INSTALLATION. Each flashing beacon will be paid for separately. Following the completion of the traffic signal maintenance transfer to the Contractor, 30 percent of the bid price will be paid. Following the traffic signal maintenance transfer to County, state and/or local agency, 30 percent of the bid price will be paid. The remaining 40 percent will be paid when all items on the punch list are done to the satisfaction of the engineer.

**SPECIAL PROVISION  
FOR  
EMERGENCY VEHICLE PRIORITY SYSTEM**

The installation of an emergency vehicle priority system shall meet Sections 887 and 1072 of the Standard Specifications, except as revised with this Special Provision.

It shall be the Contractor's responsibility to contact the municipality or Fire District to verify the brand of emergency vehicle pre-emption equipment to be installed prior to the Contract bidding. The equipment must be completely compatible with all components of the equipment currently in use by the Agency. A letter from the Agency is to be included with equipment submittals indicating what brand of equipment is acceptable to the Agency.

All new installations shall be equipped with confirmation beacons as shown on the "District 1 Standard Traffic Signal Design Details". The confirmation beacon shall consist of a 6 watt Par 38 LED flood lamp with a 30 degree light spread or a 7 watt Par 30 LED flood lamp with a 15 degree or greater spread, maximum 7 watt energy consumption at 120V and a 2000 hour warranty for each direction of pre-emption. The lamp shall have an adjustable mount with a weatherproof enclosure for cable splicing. All hardware shall be cast aluminum or stainless steel. Holes drilled into signal poles, mast arms, or posts shall require rubber grommets. In order to maintain uniformity between communities, the confirmation beacons shall indicate when the control equipment receives the pre-emption signal. The pre-emption movement shall be signalized by a flashing indication at the rate specified by Section 4L.01 of the "Manual On Uniform Traffic Control Devices" and other applicable sections of future editions. The stopped pre-empted movements shall be signalized by a continuous indication.

All light operated systems shall include security and transit preemption software and operate at a uniform rate of 14.035 Hz +0.002, or as otherwise required by the Engineer, and provide compatible operation with other light systems currently being operated in the County.

This item shall include any required modifications to an existing Traffic Signal Controller as a result of the addition of the Emergency Vehicle Priority System. Any cost associated with modifications to the controller shall be included in the pay item LIGHT DETECTOR AMPLIFIER.

The pre-emption detector amplifier shall be paid for on a basis of one (1) each per intersection controller and shall provide operation for all movements required in the pre-emption phase sequence.

**Basis of Payment.** This work will be paid for at the Contract unit price EACH for LIGHT TRANSMITTER, LIGHT DETECTOR, or LIGHT DETECTOR AMPLIFIER which price shall be payment in full for furnishing and installing the light transmitter, light detector, or light detector amplifier complete, with necessary connections for proper operation. The furnishing and installing of a confirmation beacon shall be included in the cost of the LIGHT DETECTOR.

The lead-in cable will be paid for at the contract unit price per FOOT (METER) for EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C or EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE AERIAL SUSPENDED, NO. 20 3/C which price shall be payment in full for furnishing and installing the lead-in cable and making all electrical connections. The electric cable shall be shielded and have three (3) stranded conductors colored blue, orange, and yellow with a stranded tinned copper drain wire. The cable shall meet the requirements of the manufacturer of the Emergency Vehicle Priority System Equipment.



**SPECIAL PROVISION  
FOR  
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM**

Description. This work shall consist of re-optimizing a closed loop traffic signal system according to the following Levels of work.

LEVEL I applies when improvements are made to an existing signalized intersection within an existing closed loop traffic signal system. The purpose of this work is to integrate the improvements to the subject intersection into the signal system while minimizing the impacts to the existing system operation. This type of work would be commonly associated with the addition of signal phases, pedestrian phases, or improvements that do not affect the capacity at an intersection.

LEVEL II applies when improvements are made to an existing signalized intersection within an existing closed loop traffic signal system and detailed analysis of the intersection operation is desired by the engineer, or when a new signalized or existing signalized intersection is being added to an existing system, but optimization of the entire system is not required. The purpose of this work is to optimize the subject intersection, while integrating it into the existing signal system with limited impact to the system operations. This item also includes an evaluation of the overall system operation, including the traffic responsive program.

For the purposes of re-optimization work, an intersection shall include all traffic movements operated by the subject controller and cabinet.

After the signal improvements are completed, the signal shall be re-optimized as specified by an approved Consultant who has previous experience in optimizing Closed Loop Traffic Signal Systems for the IDOT District One and the County. The Contractor shall contact the Engineer at (312) 603-1730 for a listing of approved Consultants. Any signal timing problems/complaints shall be investigated by the Consultant and as requested by the Traffic Signal Design Engineer and resolved to the Department's satisfaction within a three-year period after the first report is submitted to CCDOTH. The consultant will be required to assist in trouble shooting the optimized system for problems encountered with the system at no cost to the County. Trouble shooting shall include (but not limited to) answering complaints, writing letters, making split adjustment, identifying and correcting oscillation problems, etc.. The consultant shall not charge extra man-hours for this three-year trouble shooting period. The Contractor shall contact the Traffic Signal Design Engineer at (312) 603-1730 for a Consultant who is still monitoring the Traffic Signal System or for a listing of approved Consultants. 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.

A listing of existing signal equipment, interconnect information, phasing data, and timing patterns may be obtained from the Department, if available and as appropriate. The existing SCAT Report is available for review at the County office and if the Consultant provides blank computer disks, copies of computer simulation files for the existing optimized system and a timing database that includes intersection displays will be made for the Consultant. The Consultant shall confer with the Engineer prior to optimizing the system to determine if any extraordinary conditions exist that would affect traffic flows in the vicinity of the system, in which case, the Consultant may be instructed to wait until the conditions return to normal or to follow specific instructions regarding the re-optimization.

## (a) LEVEL I Re-Optimization

1. The following tasks are associated with LEVEL I Re-Optimization.
  - a. Appropriate signal timings shall be developed for the subject intersection and existing timings shall be utilized for the rest of the intersections in the system.
  - b. Proposed signal timing plan for the new or modified intersection(s) shall be forwarded to County for review prior to implementation.
  - c. Consultant shall conduct on-site implementation of the timings at the turn-on and make fine-tuning adjustments to the timings of the subject intersection in the field to alleviate observed adverse operating conditions and to enhance operations.
2. The following deliverables shall be provided for LEVEL I Re-Optimization.
  - a. Consultant shall furnish to County a cover letter describing the extent of the re-optimization work performed.
  - b. Consultant shall furnish an updated intersection graphic display for the subject intersection to County and to County's Traffic Signal Maintenance Contractor.

## (b) LEVEL II Re-Optimization

1. In addition to the requirements described in the LEVEL I Re-Optimization above, the following tasks are associated with LEVEL II Re-Optimization.
  - a. Traffic counts shall be taken at the subject intersection after the traffic signals are approved for operation by the Engineer. Manual turning movement counts shall be conducted from 6:30 a.m. to 9:30 a.m., 11:00 a.m. to 1:00 p.m., and 3:30 p.m. to 6:30 p.m. on a typical weekday from midday Monday to midday Friday and on a Saturday and/or Sunday, as directed by the Engineer, to account for special traffic generators such as shopping centers, educational institutes and special event facilities. The turning movement counts shall identify cars, and single-unit, multi-unit heavy vehicles, and transit buses.
  - b. As necessary, the intersections shall be re-addressed and all system detectors reassigned in the master controller according to the current standard of the County.
  - c. Traffic responsive program operation shall be evaluated to verify proper pattern selection and lack of oscillation and a report of the operation shall be provided to the County.
2. The following deliverables shall be provided for LEVEL II Re-Optimization.
  - a. Consultant shall furnish to the County one (1) copy of a technical report for the optimized system. If a State system/intersection is involved one(1) copy of SCAT report for IDOT shall be furnished. The technical memorandum shall include the following elements:
    - (1) Brief description of the project
    - (2) Printed copies of the analysis output from Synchro (or other appropriate, approved optimization software file)
    - (3) Printed copies of the traffic counts conducted at the subject intersection
    - (4) A Time of Day (TOD) revised chart which includes all intersections split timing, offset and program steps shall be furnished to the County
    - (5) A layout of traffic volumes which includes AM volume, PM volume, MD volume and distance between intersections
    - (6) System detector/Local detector relationship layout, if there is a change.
    - (7) Printed copies of master and local controller data.

- b. Consultant shall furnish to the County two (2) CDs for the optimized system. The CDs shall include the following elements:
- (1) Electronic copy of the technical report in PDF format
  - (2) Revised Synchro files (or other appropriate, approved optimization software file) including the new signal and the rest of the signals in the closed loop system
  - (3) Traffic counts conducted at the subject intersection
  - (4) New or updated intersection graphic display files in ASC and PCX formats and new zone map file with system loops (if changed) for the subject intersection
  - (5) The CD shall be labeled with the County system number and master location, as well as the submittal date and the consultant logo. The CD case shall include a clearly readable label displaying the same information securely affixed to the side and front.

Examples of Time of Day (TOD) chart, layout of traffic volumes and System detector/Local detector relationship layout can be obtained from the County.

The Consultant shall furnish to CCDOTH one copy of the revised SCAT Report in three-ring binders. If the system is maintained by State or other agency, an approval letter from State or other agency shall be furnished to the County. The Consultant also shall furnish to State or other agency one copy of the revised SCAT Report in three-ring binder.

When an intersection under the system is maintenance transferred to the Contractor, the SCAT consultant shall start responding to complaints and make necessary timing adjustments. The Contractor shall hire the same SCAT consultant to work on system timing under construction stages when there is a temporary traffic signal.

**Basis of Payment.** This work shall be paid for at the contract unit price EACH for RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM – LEVEL I or RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM – LEVEL II, which price shall be payment in full for performing all work described herein per intersection. Following completion of the timings and submittal of specified deliverables, 100 percent of the bid price will be paid. Each intersection will be paid for separately.

**SPECIAL PROVISION  
FOR  
TEMPORARY TRAFFIC SIGNAL TIMING**

Description. This work shall consist of developing and maintaining appropriate traffic signal timings for the specified intersection for the duration of the temporary signalized condition, as well as impact to existing traffic signal timings caused by detours or other temporary conditions.

All timings and adjustments necessary for this work shall be performed by an approved Consultant who has previous experience in optimizing Closed Loop Traffic signal Systems for the County. The Contractor shall contact the Traffic Signal Engineer at (312) 603-1730 for a listing of approved Consultants.

The following tasks are associated with TEMPORARY TRAFFIC SIGNAL TIMINGS.

- (a) Consultant shall attend temporary traffic signal inspection (turn-on) and/or detour meeting, if needed and conduct on-site implementation of the traffic signal timings.
- (b) Make fine-tuning adjustments to the timings in the field to alleviate observed adverse operating conditions and to enhance operations.
- (c) Consultant shall provide monthly observation of traffic signal operations in the field.
- (d) Consultant shall provide on-site consultation and adjust timings as necessary for construction stage changes, temporary traffic signal phase changes, and any other conditions affecting timing and phasing, including lane closures, detours, and other construction activities.
- (e) Consultant shall make timing adjustments and prepare comment responses as directed by the Traffic Signal Engineer.
- (f) Return original timing plan once construction is complete.

Basis of Payment. The work shall be paid for at the contract unit price EACH for TEMPORARY TRAFFIC SIGNAL TIMING, which price shall be payment in full for performing all work described herein per intersection. When the temporary traffic signal installation is turned on and/or detour implemented, 50 percent of the bid price will be paid. The remaining 50 percent of the bid price will be paid following the removal of the temporary traffic signal installation and/or detour.

**SPECIAL PROVISION  
FOR  
ILLUMINATED STREET NAME SIGN**

Description.

This work shall consist of furnishing and installing a LED internally illuminated street name sign.

Installation

The sign can be mounted on most steel mast arm poles. Mounting on aluminum mast arm pole requires supporting structural calculations. Some older or special designed steel mast arm poles may require structural evaluation to assure that construction of the mast arm pole is adequate for the proposed additional loading. Structural calculations and other supporting documentation as determined by the Engineer shall be provided by the contractor for review by the Department.

The sign shall be located on a steel traffic signal mast arm no further than 8-feet from the center of the pole to the center of the sign at a height of between 16 to 18-feet above traveled pavement.

Signs shall be installed such that they are not energized when traffic signals are powered by an alternate energy source such as a generator or uninterruptible power supply (UPS). The signs shall be connected to the generator or UPS bypass circuitry.

The sign shall be located on a steel traffic signal mast arm no further than 8-feet from the center of the pole to the center of the sign at a height of between 16 to 18-feet above traveled pavement. Mounting hardware shall be from an approved vendor, utilizing stainless steel components.

Materials

The illuminate street name sign shall be as follows.

(a) Description.

The LEDs shall be white in color. The two face LED internally illuminated street name sign shall display the designated street name clearly and legibly in the daylight hours without being energized and at night when energized. White translucent Type ZZ reflective sheeting sign faces with the street name applied in transparent green shall be installed on the street sign acrylic panels which shall be affixed to the interior of the sign enclosure. Sheeting material shall be of one continuous piece. Paneling shall not be allowed. Hinged door(s) shall be provided for easy access to perform general cleaning and maintenance operations. Illumination shall occur with LED Light Engine as specified.

(b) Environmental Requirements.

The LED lamp shall be rated for use in the ambient operating temperature range of -40 to +50°C (-40 to +122°F) for storage in the ambient temperature range of -40 to +75°C (-40 to +167°F).

(c) General Construction.

1. The LED Light Engine shall be a single, self-contained device, for installation in an existing street sign housing. The power supply must be designed to fit and mounted on the inside wall at one end of the street sign housing. The LED Light Engine shall be mounted within the inner top portion of the housing and no components of the light source shall sit between the sign faces.

2. The assembly and manufacturing processes of the LED Light Engine shall be designed to ensure that all LED and electronic components are adequately supported to withstand mechanical shocks and vibrations in compliance with the specifications of the ANSI, C136.31-2001 standards.

(d) Mechanical Construction.

1. The sign shall be constructed using a weatherproof, aluminum housing consisting of an extruded aluminum top with a minimum thickness of .140". The extruded aluminum bottom is .094" thick. The ends of the housing shall be cast aluminum with a minimum thickness of .250". The sign shall be constructed using a weatherproof, aluminum housing consisting of an extruded aluminum with the maximum sign dimensions of 22" in height, 96" in length, 10.75" in depth (including the drip edge) and shall not weight more than 110 pounds. All housing corners are continuous TIG (Tungsten Inert Gas) welded to provide a weatherproof seal.2. The door shall be constructed of extruded aluminum. Two corners are continuous TIG welded with the other two screwed together to make one side of the door removable for installation of the sign face. The door is fastened to the housing on the bottom by a full length, stainless steel hinge. The door shall be held secure onto a 1" wide by 5/32" thick neoprene gasket by an appropriate numbers of quarter-turn fasteners to form a watertight seal between the door and the housing. The sign shall also be fabricated in a way to ensure that no components fall out while a technician is opening or working inside the sign enclosure.
3. The sign face shall be constructed of .125" white translucent polycarbonate or acrylic. Sign legend shall be according to D1 Mast Arm Mounted Street Name Sign detail and MUTCD. The sign face legend background shall consist of translucent Type ZZ white reflective sheeting and transparent green film applied to the front of the sign face. The legend shall be framed by a white border. A logo symbol and/or name of the community may be included with approval of the Engineer. A logo symbol and/or name of the community may be included with approval of the Engineer.
45. All fasteners and hardware shall be corrosion resistant stainless steel. No special tools are required for routine maintenance.
6. All wiring shall be secured by insulated wire compression nuts or barrier type terminal blocks.
7. A wire entrance junction box shall be supplied with the sign assembly. The box may be supplied mounted to the exterior or interior of the sign and provide a weather tight seal.
8. A photoelectric switch shall be mounted in the control cabinet to control lighting functions for day and night display. Each sign shall be individually fused.
9. Brackets and Mounting: LED internally-illuminated street name signs will be factory drilled to accommodate mast arm two-point support assembly mounting brackets. A safety cable is to be included with each mounting bracket.
10. Refer to the illuminated street name sign mounting detail standard for wiring methods and material.

(e) Electrical.

1. Photocell shall be rated 105-305V, turn on at 1.5 fcs. with a 3-5 second delay. A manufacturer's warranty of six (6) years shall be provided. Power consumption shall be no greater than 1 watt at 120V.
2. The LED Light Engine shall operate from a 60 +/- 3 cycle AC line power over a voltage range of 80 to 135 Vac rms. Fluctuations in line voltage over the range of 80 to 135 Vac shall not affect luminous intensity by more than +/- 10%.
3. Total harmonic distortion induced into the AC power line by the LED Light Engine, operated at a nominal operating voltage, and at a temperature of +25°C (+77°F), shall not exceed 20%.
4. The LED Light Engine shall be cycled ON and OFF with a photocell as shown on the detail sheet and shall not exceed 145 watts.

The signs shall not be energized when traffic signals are powered by an alternate energy source such as a generator or Uninterruptable Power Supply (UPS). The signs shall be connected to the generator or UPS bypass circuitry.

(f) Photometric Requirements.

1. The entire surface of the sign panel shall be evenly illuminated. The average maintained luminous intensity measured across the letters, operating under the conditions defined in Environmental Requirements and Wattage Sections shall be of a minimum value of 100 cd/m<sup>2</sup>.
2. The manufacturer shall make available independent laboratory test results to verify compliance to Voltage Range and Luminous Intensity Distribution Sections.
3. LED shall have a color temperature of 5200k nominal, CRI of 80 with a life expectancy of 75,000 hrs.

(g) Quality Assurance.

The LED Light Engine shall be manufactured in accordance with a vendor quality assurance (QA) program. The production QA shall include statistically controlled routine tests to ensure minimum performance levels of the LED Light Engine build to meet this specification. QA process and test result documentations shall be kept on file for a minimum period of seven (7) years. The LED Light Engine that does not satisfy the production QA testing performance requirements shall not be labeled, advertised, or sold as conforming to these specifications. Each LED Light Engine shall be identified by a manufacturer's serial number for warranty purposes. LED Light Engines shall be replaced or repaired if they fail to function as intended due to workmanship or material defects within the first sixty (60) months from the date of acceptance. LED Light Engines that exhibit luminous intensities less than the minimum value specified in Photometric Section within the first thirty-six (36) months from the date of acceptance shall be replaced or repaired.

Basis of Payment

This work will be paid for at the contract unit price EACH for LED INTERNALLY ILLUMINATED STREET NAME SIGN, of the length specified which shall be payment in full for furnishing and installing the LED internally illuminated street sign, complete with circuitry and mounting hardware including photo cell, circuit breaker, fusing, relay, connections and cabling as shown on the plans for proper operation and installation.

The illuminated street name sign cable will be paid for at the contract unit price per FOOT for ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW, which price shall be payment in full for furnishing and installing the 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  
UNINTERRUPTABLE POWER SUPPLY WITHOUT CABINET**

The furnishing and installation of this item shall meet the requirements of Section 862 and 1074.04 of the Supplemental Specifications and Recurring Special Provisions, except as follows:

The UPS shall have the power capacity to provide normal operation of a signalized intersection that utilizes all LED type signal head optics, for a minimum of six hours.

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

**Installation**

For Super-P (Type IV) and Super-R (Type V) cabinets, the battery cabinet is integrated to the traffic signal cabinet, and shall be included in the cost for the traffic signal cabinet of the size and type indicated 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.

A concrete apron shall be provided and be in accordance with Articles 424 and 202 of the Standard Specifications. The concrete apron shall also, follow the District 1 Standard Traffic Signal Design Detail, Type D or Type C concrete foundation.

This item shall include any required modifications to an existing traffic signal controller as a result of the addition of the UPS including the addition of alarms.

Bypass switch shall completely disconnect the traffic signal cabinet from the utility provider.

**Material:**

The UPS shall be line interactive or double conversion 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%). When installed at a railroad-interconnected intersection the UPS must maintain the railroad pre-emption load, plus 20 percent (20%) of the railroad preemption-operating load. 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 1000W active output capacity, with 86 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, heater, street lights, any automated enforcement equipment and any other devices directed by the Engineer.

Batteries, inverter/charger and power transfer relay shall be housed in a separate NEMA Type 3R cabinet. The cabinet shall be Aluminum alloy, 5052-H32, 0.125-inch thick and have a natural mill finish.

No more than three batteries shall be mounted on individual shelves for a cabinet housing six batteries and no more than four batteries per shelf for a cabinet housing eight batteries.

The UPS shall 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 include standard RS-232 and internal Ethernet interface.

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 meets UL and CSA testing and has a weatherproof lift cover plate. Access to the generator inlet shall be from a secured weatherproof lift cover plate or behind a locked battery cabinet police panel.

The bypass switch shall include an internal power transfer relay that allows removal of the battery back-up unit, while the traffic signal is connected to utility power, without impacting normal traffic signal operation.

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.

Battery Heater mats shall be provided, when gel cell type batteries are supplied.

The warranty for an uninterruptible power supply (UPS) shall cover a minimum of five 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.

The UPS shall be set-up to run the traffic signal continuously, without going to a red flashing condition, when switched to battery power unless otherwise directed by the Engineer. The Contractor shall confirm set-up with the Engineer. The continuous operation mode when switched to battery may require modification to unit connections and these modifications are included in the unit price for this item.

Basis of Payment

This work will be paid for at the contract unit price per EACH for UNINTERRUPTABLE POWER SUPPLY WITHOUT CABINET, which price shall be payment in full for furnishing and installing the Uninterruptible Power Supply complete with necessary connections for proper operation. Replacement of Emergency Vehicle Priority System confirmation beacons shall be included in the cost of the UNINTERRUPTABLE POWER SUPPLY WITHOUT CABINET item. The concrete apron and earth excavation required shall be included in the cost of this pay item.

**SPECIAL PROVISION  
FOR  
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C**

This work shall consist of furnishing and installing lead-in cable for light detectors installed at existing and/or proposed traffic signal installations as part of an emergency vehicle priority system. The work includes installation of the lead-in cables in existing and/or new conduit. The electric cable shall be shielded and have (3) stranded conductors, colored blue, orange, and yellow with a stranded tinned copper drain wire. The cable shall meet the requirements of the vendor of the Emergency Vehicle Priority System Equipment.

Basis of Payment. The lead-in cable will be paid for at the contract unit price per FOOT (METER) for EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C or EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE AERIAL SUSPENDED, NO. 20 3/C which price shall be payment in full for furnishing and making all electrical connections necessary for proper operations.

**SPECIAL PROVISION  
FOR  
RADAR VEHICLE DETECTION SYSTEM**

This work shall consist of furnishing and installing a radar vehicle detection system as specified and/or as shown on the plan. This pay item shall include all necessary work and equipment required to have a fully operational system including but not limited to the detector unit/s, the interface unit and all the necessary hardware, cable and accessories required to complete the installation in accordance with the manufacturer's specifications.

The radar vehicle detection system shall work under all weather conditions, including rain, freezing rain, snow, wind, dust, fog, and changes in temperature and light. It shall work in an ambient temperature range of -34 to 74 degrees Celsius. It shall have a max power output of 75 watts or less.

The radar vehicle detection system shall be compatible with the District's approved traffic controller assemblies utilizing NEMA TS 1 or NEMA TS 2 controllers and cabinet components for full time operation. The radar vehicle detection system shall provide a minimum of one interface unit that has Ethernet connectivity, surge protection and shall be capable of supporting a minimum of 4 detector units.

The far back radar detection shall have a detection range of 400 feet or better.

A representative from the supplier of the radar vehicle detection system shall supervise the installation and testing of the radar vehicle detection system and shall be present at the traffic signal turn-on inspection. Once the radar vehicle detection system is configured, it shall not need reconfiguration to maintain performance, unless the roadway configuration or the application requirements change.

The mounting location/s of the detector unit/s shall be per the manufacturer's recommendations. If an extension mounting assembly is needed, it shall be included in this item. All holes drilled into signal poles, mast arms, or posts shall require rubber grommets to prevent chafing of wires.

The radar vehicle detection system shall be warrantied, free from material and workmanship defects for a period of two years from final inspection.

**Basis of Payment.** This work shall be paid for at the contract unit price each for RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR; RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, FAR BACK; RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR AND FAR BACK, the price of which shall include the cost for all of the work and material described herein and includes furnishing, installing, delivery, handling, testing, set-up and all appurtenances and mounting hardware necessary for a fully operational radar vehicle detection system.

**SPECIAL PROVISION  
FOR  
TRAFFIC SIGNAL PAINTING**

This work shall include surface preparation, powder coated finish application and packaging of new galvanized steel traffic signal mast arm poles and posts assemblies. All work associated with applying the painted finish shall be performed at the vendor's facility for the pole assembly or post or at a painting facility approved by the Engineer. Traffic signal mast arm shrouds and post bases shall also be painted the same color as the pole assemblies and posts.

**Surface Preparation.**

All weld flux and other contaminates shall be mechanically removed. The traffic mast arms and post assemblies shall be degreased, cleaned, and air dried to assure all moisture is removed.

**Painted Finish.**

All galvanized exterior surfaces shall be coated with a urethane or triglycidyl isocyanurate (TGIC) polyester powder to a dry film thickness of 2.0 mils. Prior to application, the surface shall be mechanically etched by brush blasting (Ref. SSPC-SP7) and the zinc coated substrate preheated to 450 °F for a minimum one (1) hour. The coating shall be electrostatically applied and cured by elevating the zinc-coated substrate temperature to a minimum of 400 °F.

The finish paint color shall be black and shall be as selected by the local agency responsible for paint costs. The Contractor shall confirm, in writing, the color selection with the local responsible agency and provide a copy of the approval to the Engineer and a copy of the approval shall be included in the material catalog submittal.

Painting of traffic signal heads, pedestrian signal heads and controller cabinets is not included in this pay item.

Any damage to the finish after leaving the vendor's facility shall be repaired to the satisfaction of the Engineer using a method recommended by the vendor and approved by the Engineer. If while at the vendor's facility the finish is damaged, the finish shall be re-applied at no cost to the contract.

**Warranty.**

The Contractor shall furnish in writing to the Engineer, the paint vendor's standard warranty and certification that the paint system has been properly applied.

**Packaging.**

Prior to shipping, the poles and posts shall be wrapped in ultraviolet-inhibiting plastic foam or rubberized foam.

**Basis of Payment.** This work shall be paid for at the contract unit price EACH for PAINT NEW MAST ARM AND POLE, UNDER 40 FEET (12.19 METER), PAINT NEW MAST ARM AND POLE, 40 FEET (12.19 METER) AND OVER, PAINT NEW COMBINATION MAST ARM AND POLE, 40 FEET (12.19 METER) AND OVER, or PAINT NEW TRAFFIC SIGNAL POST of the length specified, which shall be payment in full for painting and packaging the traffic signal mast arm poles and posts described above including all shrouds, bases and appurtenances.

## CHECK SHEET #31

State of Illinois  
Department of Transportation

SPECIAL PROVISION  
FOR  
QUALITY CONTROL/QUALITY ASSURANCE OF CONCRETE MIXTURES

Effective: April 1, 1992  
Revised: January 1, 2015

Add the following to Section 1020 of the Standard Specifications:

**1020.16 Quality Control/Quality Assurance of Concrete Mixtures.** This Article specifies the quality control responsibilities of the Contractor for concrete mixtures (except Class PC and PS concrete), cement aggregate mixture II, and controlled low-strength material incorporated in the project, and defines the quality assurance and acceptance responsibilities of the Engineer.

A list of quality control/quality assurance (QC/QA) documents is provided in Article 1020.16(g), Schedule D.

A Level I Portland Cement Concrete (PCC) Technician shall be defined as an individual who has successfully completed the Department's training for concrete testing.

A Level II Portland Cement Concrete (PCC) Technician shall be defined as an individual who has successfully completed the Department's training for concrete proportioning.

A Level III Portland Cement Concrete (PCC) Technician shall be defined as an individual who has successfully completed the Department's training for concrete mix design.

A Concrete Tester shall be defined as an individual who has successfully completed the Department's training to assist with concrete testing and is monitored on a daily basis.

Aggregate Technician shall be defined as an individual who has successfully completed the Department's training for gradation testing involving aggregate production and mixtures.

Mixture Aggregate Technician shall be defined as an individual who has successfully completed the Department's training for gradation testing involving mixtures.

Gradation Technician shall be defined as an individual who has successfully completed the Department's training to assist with gradation testing and is monitored on a daily basis.

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

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The laboratory shall be of sufficient size and be furnished with the necessary equipment, supplies, and current published test methods for adequately and safely performing all required tests. The laboratory will be approved by the Engineer according to the current Bureau of Materials and Physical Research Policy Memorandum "Minimum Private Laboratory Requirements for Construction Materials Testing or Mix Design". Production of a mixture shall not begin until the Engineer provides written approval of the laboratory. The Contractor shall refer to the Department's "Required Sampling and Testing Equipment for Concrete" for equipment requirements.

Test equipment shall be maintained and calibrated as required by the appropriate test method, and when required by the Engineer. This information shall be documented on the Department's "Calibration of Concrete Testing Equipment" forms BMPR PCCQ01 through BMPR PCCQ09.

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

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

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

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

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

- (c) Quality Control by Contractor. The Contractor shall perform quality control inspection, sampling, testing, and documentation to meet contract requirements. Quality control includes the recognition of obvious defects



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

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

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

The QC Manager shall visit the jobsite a minimum of once a week. A visit shall be performed the day of a bridge deck pour, the day a non-routine mixture is placed as determined by the Engineer, or the day a plant is anticipated to produce more than 1000 cu yd (765 cu m). Any of the three required visits may be used to meet the once per week minimum requirement.

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

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

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

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Level II PCC Technician by cellular phone, two-way radio, or other methods approved by the Engineer.

For a mixture which is produced and placed with a mobile portland cement concrete plant as defined in Article 1103.04, a Level II PCC Technician shall be provided. The Level II PCC Technician shall be present at all times during mixture production and placement. However, the Level II PCC Technician may request to be available if operations are satisfactory. Approval shall be obtained from the Engineer, 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.

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

- (2) Required Plant Tests. Sampling and testing shall be performed at the plant, or at a location approved by the Engineer, to control the production of a mixture. The required minimum Contractor plant sampling and testing is indicated in Article 1020.16(g) Schedule A.
- (3) Required Field Tests. Sampling and testing shall be performed at the jobsite to control the production of a mixture, and to comply with specifications for placement. For standard curing, after initial curing, and for strength testing, the location shall be approved by the Engineer. The required minimum Contractor jobsite sampling and testing is indicated in Article 1020.16(g), Schedule B.
- (d) Quality Assurance by Engineer. The Engineer will perform quality assurance tests on independent samples and split samples. An independent sample is a field sample obtained and tested by only one party. A split sample is one of two equal portions of a field sample, where two parties each receive one portion for testing. The Engineer may request the Contractor to obtain a split sample. Aggregate split samples and any failing strength specimen shall be retained until permission is given by the Engineer for disposal. The results of all quality assurance tests by the Engineer will be made available to the Contractor. However, Contractor split sample test results shall be provided to the Engineer before Department test results are revealed. The Engineer's quality assurance independent sample and split sample testing are indicated in Article 1020.16(g), Schedule C.
- (1) Strength Testing. For strength testing, Article 1020.09 shall apply, except the Contractor and Engineer strength specimens may be placed in the same field curing box for initial curing and may be cured in the same water storage tank for final curing.

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- (2) Comparing Test Results. Differences between the Engineer's and the Contractor's split sample test results will be considered reasonable 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)
Slump Flow (Self-Consolidating Concrete (SCC))	1.5 in. (40 mm)
Visual Stability Index (SCC)	Not Applicable
J-Ring (SCC)	1.5 in. (40 mm)
L-Box (SCC)	10 %
Hardened Visual Stability Index (SCC)	Not Applicable
Dynamic Segregation Index (SCC)	1.0 %
Flow (Controlled Low-Strength Material (CLSM))	1.5 in. (40 mm)
Strength (CLSM)	40 psi (275 kPa)
Aggregate Gradation	See "Guideline for Sample Comparison" in Appendix "A" of the Manual of Test Procedures for Materials.

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

(3) Test Results and Specification Limits.

- a. Split Sample Testing. If either the Engineer's or the Contractor's split sample test result is not within specification limits and the other party is within specification limits, immediate retests on a split sample shall be performed for slump, air content, slump flow, visual stability index, J-Ring, L-Box, dynamic segregation index, flow (CLSM), 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, slump flow, visual stability index, J-Ring, L-Box, dynamic segregation index, flow (CLSM), or aggregate gradation split sample retest result is a failure; or if either the Engineer's or Contractor's strength or hardened visual stability index test result is a failure and the other party is within specification limits; the following actions shall be initiated to investigate the test failure:

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

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2. The Engineer or the Contractor shall replace test equipment, as determined by the Engineer.
3. The Engineer and the Contractor shall perform additional testing on split samples, as determined by the Engineer.

For aggregate gradation, jobsite slump, jobsite air content, jobsite slump flow, jobsite visual stability index, jobsite J-Ring, jobsite L-Box, jobsite dynamic segregation index, and jobsite flow (CLSM), if the failing split sample test result is not resolved according to 1., 2., or 3., and the mixture has not been placed, the Contractor shall reject the material; unless the Engineer accepts the material for incorporation in the work, according to Article 105.03. If the mixture has already been placed, or if a failing strength or hardened visual stability index test result is not resolved according to 1., 2., or 3., the material will be considered unacceptable.

If a continued trend of difference exists between the Engineer's and the Contractor's split sample test results, or if split sample test results exceed the acceptable limits of precision, the Engineer and the Contractor shall investigate according to items 1., 2., and 3.

- b. Independent Sample Testing. For aggregate gradation, jobsite slump, jobsite air content, jobsite slump flow, jobsite visual stability index, jobsite J-Ring, jobsite L-Box, jobsite dynamic segregation index, jobsite flow (CLSM), if the result of a quality assurance test on a sample independently obtained by the Engineer is not within specification limits, and the mixture has not been placed, the Contractor shall reject the material; unless the Engineer accepts the material for incorporation in the work, according to Article 105.03. If the mixture has already been placed or the Engineer obtains a failing strength or hardened visual stability index test result, the material will be considered unacceptable.

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

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

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

The Engineer may suspend mixture production, reject materials, or take other appropriate action if the Contractor does not control the quality of concrete, cement aggregate mixture II, or controlled low-strength material for acceptance. The decision will be determined according to (1), (2), or (3).

(f) Documentation.

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

The Department's form BMPR MI504, form BMPR MI654, and form BMPR MI655 shall be completed by the Contractor, and shall be submitted to the Engineer weekly or as required by the Engineer. A correctly completed form BMPR MI504, form BMPR MI654, and form BMPR MI655 are required to authorize payment by the Engineer for applicable pay items.

- (2) Delivery Truck Ticket. The following information shall be recorded on each delivery ticket or in a bound hardback field book: initial revolution counter reading (final reading optional) 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.

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

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## SCHEDULE A

CONTRACTOR PLANT SAMPLING AND TESTING			
Item	Test	Frequency	IL Modified AASHTO, IL Modified ASTM, or Illinois Test Procedure <sup>1/</sup>
Aggregates (Arriving at Plant)	Gradation <sup>2/</sup>	As needed to check source for each gradation number	ITP 2, ITP 11, ITP 27, and ITP 248
Aggregates (Stored at Plant in Stockpiles or Bins)	Gradation <sup>2/</sup>	2500 cu yd (1900 cu m) for each gradation number <sup>3/</sup>	ITP 2, ITP 11, ITP 27, and ITP 248
Aggregates (Stored at Plant in Stockpiles or Bins)	Moisture <sup>4/</sup> : Fine Aggregate	Once per week for moisture sensor, otherwise daily for each gradation number	Flask, Dunagan, Pycnometer Jar, or ITP 255
	Moisture <sup>4/</sup> : Coarse Aggregate	As needed to control production for each gradation number	Dunagan, Pycnometer Jar, or ITP 255
Mixture <sup>5/</sup>	Slump Air Content Unit Weight / Yield Slump Flow (SCC) Visual Stability Index (SCC) J-Ring (SCC) <sup>6/</sup> L-Box (SCC) <sup>6/</sup> Temperature	As needed to control production	R 60 and T 119 R 60 and T 152 or T 196 R 60 and T 121 ITP SCC-1 and ITP SCC-2 ITP SCC-1 and ITP SCC-2 ITP SCC-1 and ITP SCC-3 ITP SCC-1 and ITP SCC-4 R 60 and ASTM C 1064
Mixture (CLSM) <sup>7/</sup>	Flow Air Content Temperature	As needed to control production	ITP 307

- 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. The Department's "Water/Cement Ratio Worksheet" form (BMPR PCCW01) shall be completed, when applicable.

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- 5/ The Contractor may also perform strength testing according to Illinois Modified AASHTO R 60, T 23, and T 22 or T 177; or water content testing according to Illinois Modified AASHTO T 318.

The Contractor may also perform other available self-consolidating concrete (SCC) tests at the plant to control mixture production.

- 6/ The Contractor shall select the J-Ring or L-Box test for plant sampling and testing.
- 7/ The Contractor may also perform strength testing according to ITP 307.

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## SCHEDULE B

CONTRACTOR JOBSITE SAMPLING & TESTING <sup>1/</sup>			
Item	Measured Property	Random Sample Testing Frequency per Mix Design and per Plant <sup>2/</sup>	IL Modified AASHTO, IL Modified ASTM, or Illinois Test Procedure
Pavement, Shoulder, Base Course, Base Course Widening, Driveway Pavement, Railroad Crossing, Cement Aggregate Mixture II	Slump <sup>3/ 4/</sup>	1 per 500 cu yd (400 cu m) or minimum 1/day	R 60 and T 119
	Air Content <sup>3/ 5/ 6/</sup>	1 per 100 cu yd (80 cu m) or minimum 1/day	R 60 and T 152 or T 196
	Compressive Strength <sup>7/ 8/</sup> or Flexural Strength <sup>7/ 8/</sup>	1 per 1250 cu yd (1000 cu m) or minimum 1/day	R 60, T 22 and T 23 or R 60, T 177 and T 23
Bridge Approach Slab <sup>9/</sup> , Bridge Deck <sup>9/</sup> , Bridge Deck Overlay <sup>9/</sup> , Superstructure <sup>9/</sup> , Substructure, Culvert, Miscellaneous Drainage Structures, Retaining Wall, Building Wall, Drilled Shaft Pile & Encasement Footing, Foundation, Pavement Patching, Structural Repairs	Slump <sup>3/ 4/</sup>	1 per 50 cu yd (40 cu m) or minimum 1/day	R 60 and T 119
	Air Content <sup>3/ 5/ 6/</sup>	1 per 50 cu yd (40 cu m) or minimum 1/day	R 60 and T 152 or T 196
	Compressive Strength <sup>7/ 8/</sup> or Flexural Strength <sup>7/ 8/</sup>	1 per 250 cu yd (200 cu m) or minimum 1/day	R 60, T 22 and T 23 or R 60, T 177 and T 23
Seal Coat	Slump <sup>3/</sup>	1 per 250 cu yd (200 cu m) or minimum 1/day	R 60 and T 119
	Air Content <sup>3/ 5/ 6/</sup>	1 per 250 cu yd (200 cu m) or minimum 1/day when air is entrained	R 60 and T 152 or T 196
	Compressive Strength <sup>7/ 8/</sup> or Flexural Strength <sup>7/ 8/</sup>	1 per 250 cu yd (200 cu m) or minimum 1/day	R 60, T 22 and T 23 or R 60, T 177 and T 23



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CONTRACTOR JOBSITE SAMPLING & TESTING <sup>1/</sup>			
Curb, Gutter, Median, Barrier, Sidewalk, Slope Wall, Paved Ditch, Fabric Formed Concrete Revetment Mat <sup>10/</sup> , Miscellaneous Items, Incidental Items	Slump <sup>3/ 4/</sup>	1 per 100 cu yd (80 cu m) or minimum 1/day	R 60 and T 119
	Air Content <sup>3/ 5/ 6/</sup>	1 per 50 cu yd (40 cu m) or minimum 1/day	R 60 and T 152 or T 196
	Compressive Strength <sup>7/ 8/</sup> or Flexural Strength <sup>7/ 8/</sup>	1 per 400 cu yd (300 cu m) or minimum 1/day	R 60, T 22 and T 23 or R 60, T 177 and T 23
Items Using Self- Consolidating Concrete	Slump Flow <sup>3/</sup> VSI <sup>3/</sup> J-Ring <sup>3/ 11/</sup> L-Box <sup>3/ 11/</sup>	Perform at same frequency that is specified for the Item's slump	ITP SCC-1 & ITP SCC-2 ITP SCC-1 & ITP SCC-2 ITP SCC-1 & ITP SCC-3 ITP SCC-1 & ITP SCC-4
	HVSI <sup>12/</sup>	Minimum 1/day at start of production for that day	ITP SCC-1 and ITP SCC-6
	Dynamic Segregation Index (DSI)	Minimum 1/week at start of production for that week	ITP SCC-1 and ITP SCC-8 (Option C)
	Air Content <sup>3/ 5/ 6/</sup>	Perform at same frequency that is specified for the Item's air content	ITP SCC-1 and T 152 or T 196
	Compressive Strength <sup>7/ 8/</sup> or Flexural Strength <sup>7/ 8/</sup>	Perform at same frequency that is specified for the Item's strength	ITP SCC-1, T 22 and T 23 or ITP SCC-1, T 177 and T 23
All	Temperature <sup>3/</sup>	As needed to control production	R 60 and ASTM C 1064
Controlled Low- Strength Material (CLSM)	Flow, Air Content, Compressive Strength (28-day) <sup>13/</sup> , and Temperature	First truck load delivered and as needed to control production thereafter	ITP 307

1/ Sampling and testing of small quantities of curb, gutter, median, barrier, sidewalk, slope wall, paved ditch, miscellaneous items, and incidental items may be waived by the Engineer, if requested by the Contractor. However, quality control personnel are still required according to Article 1020.16(c)(1). The Contractor shall also provide recent evidence that similar material has been found to be satisfactory under normal sampling and testing

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procedures. The total quantity that may be waived for testing shall not exceed 100 cu yd (76 cu m) per contract.

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

- 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. For self-consolidating concrete, the construction items shall have the same slump flow, visual stability index, J-Ring, L-Box, 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. For self-consolidating concrete, the temperature, slump flow, visual stability index, J-Ring or L-Box, 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 (38 cu m) is pumped, or an additional 100 cu yd (76 cu m) is transported by conveyor. This shall continue throughout the pour. If the re-check indicates the correction factor has changed, a minimum of two truckloads is required to re-establish the correction factor. The correction factor shall also be re-established when significant changes in temperature, distance, pump or conveyor arrangement, and other factors have occurred. If the correction factor is greater than 3.0 percent, the Contractor shall take corrective action to reduce the loss of air content during transport by the pump or conveyor. The Contractor shall record all air content test results, correction factors, and corrected air contents. The corrected air content shall be reported on form BMPR MI654.
- 6/ If the Contractor's or Engineer's air content test result is within the specification limits, and 0.2 percent or closer to either limit, the next truck load delivered shall be tested by the Contractor. For example, if the specified air content range is 5.0 to 8.0 percent and the test result is 5.0, 5.1, 5.2, 7.8, 7.9, or 8.0 percent, the next truck shall be tested by the Contractor.

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- 7/ The test of record for strength shall be the day indicated in Article 1020.04. For cement aggregate mixture II, a strength requirement is not specified and testing is not required. Additional strength testing to determine early falsework and form removal, early pavement or bridge opening to traffic, or to monitor strengths is at the discretion of the Contractor. Strength shall be defined as the average of two 6 x 12 in. (150 x 300 mm) cylinder breaks, three 4 x 8 in. (100 x 200 mm) cylinder breaks, or two beam breaks for field tests. Per Illinois Modified AASHTO T 23, cylinders shall be 6 x 12 in. (150 x 300 mm) when the nominal maximum size of the coarse aggregate exceeds 1 in. (25 mm). Nominal maximum size is defined as the largest sieve which retains any of the aggregate sample particles.
- 8/ In addition to the strength test, a slump test, air content test, and temperature test shall be performed on the same sample. For self-consolidating concrete, a slump flow test, visual stability index test, J-Ring or L-Box test, air content test, and temperature test shall be performed on the same sample as the strength test. For mixtures pumped or conveyed, the Contractor shall sample according to Illinois Modified AASHTO R 60.
- 9/ The air content test will be required for each delivered truck load.
- 10/ For fabric formed concrete revetment mat, the slump test is not required and the flexural strength test is not applicable.
- 11/ The Contractor shall select the J-Ring or L-Box test for jobsite sampling and testing.
- 12/ In addition to the hardened visual stability index (HVSI) test, a slump flow test, visual stability index (VSI) test, J-Ring or L-Box test, air content test, and temperature test shall be performed on the same sample. The Contractor shall retain all hardened visual stability index cut cylinder specimens until the Engineer notifies the Contractor that the specimens may be discarded.
- 13/ The test of record for strength shall be the day indicated in Article 1019.04. In addition to the strength test, a flow test, air content test, and temperature test shall be performed on the same sample. The strength test may be waived by the Engineer if future removal of the material is not a concern.

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## SCHEDULE C

ENGINEER QUALITY ASSURANCE INDEPENDENT SAMPLE TESTING		
Location	Measured Property	Testing Frequency <sup>1/</sup>
Plant	Gradation of aggregates stored in stockpiles or bins, Slump and Air Content	As determined by the Engineer.
Jobsite	Slump, Air Content, Slump Flow, Visual Stability Index, J-Ring, L-Box, Hardened Visual Stability Index, Dynamic Segregation Index, and Strength	As determined by the Engineer.
	Flow, Air Content, Strength (28-day), and Dynamic Cone Penetration for Controlled Low-Strength Material (CLSM)	As determined by the Engineer

ENGINEER QUALITY ASSURANCE SPLIT SAMPLE TESTING <sup>2/</sup>		
Location	Measured Property	Testing Frequency <sup>1/</sup>
Plant	Gradation of aggregates stored in stockpiles or bins	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, Air Content, Slump Flow (SCC), Visual Stability Index (SCC), J-Ring (SCC), and L-Box (SCC)	As determined by the Engineer.
Jobsite	Slump, Air Content <sup>3/</sup> , Slump Flow, Visual Stability Index, J-Ring and L-Box	At the beginning of the project, the first three tests performed by the Contractor. Thereafter, a minimum of 20% of total tests required of the Contractor will be performed per plant, which will include a minimum of one test per mix design.
	Hardened Visual Stability Index	As determined by the Engineer.
	Dynamic Segregation Index	As determined by the Engineer.
	Strength	At the beginning of the project, the first test performed by the Contractor. Thereafter, a minimum of 20% of total tests required of the Contractor will be performed per plant, which will include a minimum of one test per mix design.
	Flow, Air Content, and Strength (28-day) for Controlled Low-Strength Material (CLSM)	As determined by the Engineer.

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- 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.

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## SCHEDULE D

## CONCRETE QUALITY CONTROL AND QUALITY ASSURANCE DOCUMENTS

- (a) Model Quality Control Plan for Concrete Production (\*)
- (b) Qualifications and Duties of Concrete Quality Control Personnel (\*)
- (c) Development of Gradation Bands on Incoming Aggregate at Mix Plants (\*)
- (d) Required Sampling and Testing Equipment for Concrete (\*)
- (e) Method for Obtaining Random Samples for Concrete (\*)
- (f) Calibration of Concrete Testing Equipment (BMPR PCCQ01 through BMPR PCCQ09) (\*)
- (g) Water/Cement Ratio Worksheet (BMPR PCCW01) (\*)
- (h) Field/Lab Gradations (BMPR MI504) (\*)
- (i) Concrete Air, Slump and Quantity (BMPR MI654) (\*)
- (j) P.C. Concrete Strengths (BMPR MI655) (\*)
- (k) Aggregate Technician Course or Mixture Aggregate Technician Course (\*)
- (l) Portland Cement Concrete Tester Course (\*)
- (m) Portland Cement Concrete Level I Technician Course - Manual of Instructions for Concrete Testing (\*)
- (n) Portland Cement Concrete Level II Technician Course - Manual of Instructions for Concrete Proportioning (\*)
- (o) Portland Cement Concrete Level III Technician Course - Manual of Instructions for Design of Concrete Mixtures (\*)
- (p) Manual of Test Procedures for Materials

\* Refer to Appendix C of the Department's "Manual of Test Procedures for Materials" for more information.

**COARSE AGGREGATE QUALITY (BDE)**

Effective: July 1, 2015

Revise Article 1004.01(b) of the Standard Specifications to read:

"(b) Quality. The coarse aggregate shall be according to the quality standards listed in the following table.

COARSE AGGREGATE QUALITY				
QUALITY TEST	CLASS			
	A	B	C	D
Na <sub>2</sub> SO <sub>4</sub> Soundness 5 Cycle, ITP 104 <sup>1/</sup> , % Loss max.	15	15	20	25 <sup>2/</sup>
Los Angeles Abrasion, ITP 96 <sup>1/</sup> , % Loss max.	40 <sup>3/</sup>	40 <sup>4/</sup>	40 <sup>5/</sup>	45
Minus No. 200 (75 µm) Sieve Material, ITP 11	1.0 <sup>6/</sup>	---	2.5 <sup>7/</sup>	---
Deleterious Materials <sup>10/</sup>				
Shale, % max.	1.0	2.0	4.0 <sup>8/</sup>	---
Clay Lumps, % max.	0.25	0.5	0.5 <sup>8/</sup>	---
Coal & Lignite, % max.	0.25	---	---	---
Soft & Unsound Fragments, % max.	4.0	6.0	8.0 <sup>8/</sup>	---
Other Deleterious, % max.	4.0 <sup>9/</sup>	2.0	2.0 <sup>8/</sup>	---
Total Deleterious, % max.	5.0	6.0	10.0 <sup>8/</sup>	---
Oil-Stained Aggregate <sup>10/</sup> , % max	5.0	---	---	---

1/ Does not apply to crushed concrete.

2/ For aggregate surface course and aggregate shoulders, the maximum percent loss shall be 30.

3/ For portland cement concrete, the maximum percent loss shall be 45.

4/ Does not apply to crushed slag or crushed steel slag.

5/ For hot-mix asphalt (HMA) binder mixtures, except when used as surface course, the maximum percent loss shall be 45.

6/ For crushed aggregate, if the material finer than the No. 200 (75 µm) sieve consists of the dust from fracture, essentially free from clay or silt, this percentage may be increased to 2.5.

- 7/ Does not apply to aggregates for HMA binder mixtures.
- 8/ Does not apply to Class A seal and cover coats.
- 9/ Includes deleterious chert. In gravel and crushed gravel aggregate, deleterious chert shall be the lightweight fraction separated in a 2.35 heavy media separation. In crushed stone aggregate, deleterious chert shall be the lightweight fraction separated in a 2.55 heavy media separation. Tests shall be run according to ITP 113.
- 10/ Test shall be run according to ITP 203.
- 11/ Does not apply to crushed slag.

All varieties of chert contained in gravel coarse aggregate for portland cement concrete, whether crushed or uncrushed, pure or impure, and irrespective of color, will be classed as chert and shall not be present in the total aggregate in excess of 25 percent by weight (mass).

Aggregates used in Class BS concrete (except when poured on subgrade), Class PS concrete, and Class PC concrete (bridge superstructure products only, excluding the approach slab) shall contain no more than two percent by weight (mass) of deleterious materials. Deleterious materials shall include substances whose disintegration is accompanied by an increase in volume which may cause spalling of the concrete."

80360



**CONCRETE GUTTER, CURB, MEDIAN, AND PAVED DITCH (BDE)**

Effective: April 1, 2014  
Revised: August 1, 2014

Add the following to Article 606.02 of the Standard Specifications:

“(i) Polyurethane Joint Sealant ..... 1050.04”

Revise the fifth paragraph of Article 606.07 of the Standard Specifications to read:

“Transverse contraction and longitudinal construction joints shall be sealed according to Article 420.12, except transverse joints in concrete curb and gutter shall be sealed with polysulfide or polyurethane joint sealant.”

Add the following to Section 1050 of the Standard Specifications:

“**1050.04 Polyurethane Joint Sealant.** The joint sealant shall be a polyurethane sealant, Type S, Grade NS, Class 25 or better, Use T (T<sub>1</sub> or T<sub>2</sub>), according to ASTM C 920.”

80334

**FRICITION AGGREGATE (BDE)**

Effective: January 1, 2011

Revised: November 1, 2014

Revise Article 1004.01(a)(4) of the Standard Specifications to read:

- “(4) Crushed Stone. Crushed stone shall be the angular fragments resulting from crushing undisturbed, consolidated deposits of rock by mechanical means. Crushed stone shall be divided into the following, when specified.
- a. Carbonate Crushed Stone. Carbonate crushed stone shall be either dolomite or limestone. Dolomite shall contain 11.0 percent or more magnesium oxide (MgO). Limestone shall contain less than 11.0 percent magnesium oxide (MgO).
  - b. Crystalline Crushed Stone. Crystalline crushed stone shall be either metamorphic or igneous stone, including but is not limited to, quartzite, granite, rhyolite and diabase.”

Revise Article 1004.03(a) of the Standard Specifications to read:

“**1004.03 Coarse Aggregate for Hot-Mix Asphalt (HMA).** The aggregate shall be according to Article 1004.01 and the following.

(a) Description. The coarse aggregate for HMA shall be according to the following table.

Use	Mixture	Aggregates Allowed
Class A	Seal or Cover	<u>Allowed Alone or in Combination</u> <sup>5f</sup> : Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag Crushed Concrete

Use	Mixture	Aggregates Allowed		
HMA Low ESAL	Stabilized Subbase or Shoulders	<u>Allowed Alone or in Combination</u> <sup>5/</sup> : Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag <sup>1/</sup> Crushed Concrete		
HMA High ESAL Low ESAL	Binder IL-19.0 or IL-19.0L  SMA Binder	<u>Allowed Alone or in Combination</u> <sup>5/</sup> : Crushed Gravel Carbonate Crushed Stone <sup>2/</sup> Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Concrete <sup>3/</sup>		
HMA High ESAL Low ESAL	C Surface and Leveling Binder IL-9.5 or IL-9.5L  SMA Ndesign 50 Surface	<u>Allowed Alone or in Combination</u> <sup>5/</sup> : Crushed Gravel Carbonate Crushed Stone <sup>2/</sup> Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag <sup>4/</sup> Crushed Concrete <sup>3/</sup>		
HMA High ESAL	D Surface and Leveling Binder IL-9.5  SMA Ndesign 50 Surface	<u>Allowed Alone or in Combination</u> <sup>5/</sup> : Crushed Gravel Carbonate Crushed Stone (other than Limestone) <sup>2/</sup> Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag <sup>4/</sup> Crushed Concrete <sup>3/</sup>		
		<u>Other Combinations Allowed:</u>		
		<table border="1"> <tr> <td>Up to...</td> <td>With...</td> </tr> <tr> <td>25% Limestone</td> <td>Dolomite</td> </tr> </table>	Up to...	With...
Up to...	With...			
25% Limestone	Dolomite			

Use	Mixture	Aggregates Allowed	
		50% Limestone	Any Mixture D aggregate other than Dolomite
		75% Limestone	Crushed Slag (ACBF) or Crushed Sandstone
HMA High ESAL	E Surface IL-9.5  SMA Ndesign 80 Surface	<u>Allowed Alone or in Combination</u> <sup>5/</sup> : Crushed Gravel Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag Crushed Concrete <sup>3/</sup>  No Limestone.	
		<u>Other Combinations Allowed:</u>	
		<i>Up to...</i>	<i>With...</i>
		50% Dolomite <sup>2/</sup>	Any Mixture E aggregate
		75% Dolomite <sup>2/</sup>	Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone
		75% Crushed Gravel or Crushed Concrete <sup>3/</sup>	Crushed Sandstone, Crystalline Crushed Stone, Crushed Slag (ACBF), or Crushed Steel Slag
HMA High ESAL	F Surface IL-9.5  SMA Ndesign 80 Surface	<u>Allowed Alone or in Combination</u> <sup>5/</sup> : Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag No Limestone.	
		<u>Other Combinations Allowed:</u>	

Use	Mixture	Aggregates Allowed	
		Up to...	With...
		50% Crushed Gravel, Crushed Concrete <sup>3/</sup> , or Dolomite <sup>2/</sup>	Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone

- 1/ Crushed steel slag allowed in shoulder surface only.
- 2/ Carbonate crushed stone shall not be used in SMA Ndesign 80. In SMA Ndesign 50, carbonate crushed stone shall not be blended with any of the other aggregates allowed alone in Ndesign 50 SMA binder or Ndesign 50 SMA surface.
- 3/ Crushed concrete will not be permitted in SMA mixes.
- 4/ Crushed steel slag shall not be used as leveling binder.
- 5/ When combinations of aggregates are used, the blend percent measurements shall be by volume."

80265

**LRFD STORM SEWER BURIAL TABLES (BDE)**

Effective: November 1, 2013

Revised: April 1, 2015

Revise Article 550.02 of the Standard Specifications to read as follows:

"Item	Article Section
(a) Clay Sewer Pipe .....	1040.02
(b) Extra Strength Clay Pipe .....	1040.02
(c) Concrete Sewer, Storm Drain, and Culvert Pipe .....	1042
(d) Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe .....	1042
(e) Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe (Note 1) .....	1042
(f) Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe (Note 1) .....	1042
(g) Polyvinyl Chloride (PVC) Pipe .....	1040.03
(h) Corrugated Polyvinyl Chloride (PVC) Pipe with a Smooth Interior .....	1040.03
(i) Corrugated Polypropylene (CPP) Pipe with Smooth Interior .....	1040.08
(j) Rubber Gaskets and Preformed Flexible Joint Sealants for Concrete Pipe .....	1056
(k) Mastic Joint Sealer for Pipe .....	1055
(l) External Sealing Band .....	1057
(m) Fine Aggregate (Note 2) .....	1003.04
(n) Coarse Aggregate (Note 3) .....	1004.05
(o) Reinforcement Bars and Welded Wire Fabric .....	1006.10
(p) Handling Hole Plugs .....	1042.16
(q) Polyethylene (PE) Pipe with a Smooth Interior .....	1040.04
(r) Corrugated Polyethylene (PE) Pipe with a Smooth Interior .....	1040.04

Note 1. The class of elliptical and arch pipe used for various storm sewer sizes and heights of fill shall conform to the requirements for circular pipe.

Note 2. The fine aggregate shall be moist.

Note 3. The coarse aggregate shall be wet."

Revise the table for permitted materials in Article 550.03 of the Standard Specifications as follows:

"Class	Materials
A	Rigid Pipes: Clay Sewer Pipe Extra Strength Clay Pipe Concrete Sewer, Storm Drain, and Culvert Pipe Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe
B	Rigid Pipes: Clay Sewer Pipe Extra Strength Clay Pipe Concrete Sewer, Storm Drain, and Culvert Pipe Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe Flexible Pipes: Polyvinyl Chloride (PVC) Pipe Corrugated Polyvinyl Chloride Pipe (PVC) with a Smooth Interior Polyethylene (PE) Pipe with a Smooth Interior Corrugated Polyethylene (PE) Pipe with a Smooth Interior Corrugated Polypropylene (CPP) Pipe with a Smooth Interior"

Replace the storm sewers tables in Article 550.03 of the Standard Specifications with the following:

STORM SEWERS																
KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE																
Nominal Diameter in.	Type 1							Type 2								
	RCCP	CSP	ESCP	PVC	CPVC	PE	CPE	CPP	RCCP	CSP	ESCP	PVC	CPVC	PE	CPE	CPP
	Fill Height: 3' and less With 1' minimum cover							Fill Height: Greater than 3' not exceeding 10'								
10	NA	3	X	X	X	X	X	NA	1	*X	X	X	X	X	X	NA
12	IV	NA	X	X	X	X	X	X	1	*X	X	X	X	X	X	X
15	IV	NA	NA	X	X	NA	X	X	1	*X	X	X	X	NA	X	X
18	IV	NA	NA	X	X	X	X	X	2	X	X	X	X	X	X	X
21	III	NA	NA	X	X	NA	NA	NA	2	X	X	X	X	NA	NA	NA
24	III	NA	NA	X	X	X	X	X	2	X	X	X	X	X	X	X
27	III	NA	NA	NA	NA	NA	NA	NA	3	X	NA	NA	NA	NA	NA	NA
30	IV	NA	NA	NA	X	X	X	X	3	X	X	X	X	X	X	X
33	III	NA	NA	NA	NA	NA	NA	NA	NA	X	NA	NA	NA	NA	NA	NA
36	III	NA	NA	X	X	X	X	X	NA	X	X	X	X	X	X	X
42	II	NA	X	X	NA	X	X	NA	NA	X	X	X	NA	X	NA	NA
48	II	NA	X	X	NA	X	X	NA	NA	X	X	X	NA	X	NA	NA
54	II	NA	NA	NA	NA	NA	NA	NA	NA	X	NA	NA	NA	X	NA	NA
60	II	NA	NA	NA	NA	NA	NA	NA	NA	X	NA	NA	NA	X	NA	NA
66	II	NA	NA	NA	NA	NA	NA	NA	NA	X	NA	NA	NA	X	NA	NA
72	II	NA	NA	NA	NA	NA	NA	NA	NA	X	NA	NA	NA	X	NA	NA
78	II	NA	NA	NA	NA	NA	NA	NA	NA	X	NA	NA	NA	X	NA	NA
84	II	NA	NA	NA	NA	NA	NA	NA	NA	X	NA	NA	NA	X	NA	NA
90	II	NA	NA	NA	NA	NA	NA	NA	NA	X	NA	NA	NA	X	NA	NA
96	II	NA	NA	NA	NA	NA	NA	NA	NA	X	NA	NA	NA	X	NA	NA
102	II	NA	NA	NA	NA	NA	NA	NA	NA	X	NA	NA	NA	X	NA	NA
108	II	NA	NA	NA	NA	NA	NA	NA	NA	X	NA	NA	NA	X	NA	NA

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe  
 CSP Concrete Sewer, Storm drain, and Culvert Pipe  
 PVC Polyvinyl Chloride Pipe  
 CPVC Corrugated Polyvinyl Chloride Pipe  
 ESCP Extra Strength Clay Pipe  
 PE Polyethylene Pipe with a Smooth Interior  
 CPE Corrugated Polyethylene Pipe with a Smooth Interior  
 CPP Corrugated Polypropylene pipe with a Smooth Interior  
 X This material may be used for the given pipe diameter and fill height.  
 NA This material is Not Acceptable for the given pipe diameter and fill height.  
 \* May also use Standard Strength Clay Pipe



STORM SEWERS (Metric)																
KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE																
Nominal Diameter in.	Type 1							Type 2								
	Fill Height: 1 m and less With 300 mm minimum cover							Fill Height: Greater than 1 m not exceeding 3 m								
	RCCP	CSP	ESCP	PVC	CPVC	PE	CPE	CPP	RCCP	CSP	ESCP	PVC	CPVC	PE	CPE	CPP
250	NA	3	X	X	X	X	X	NA	1	*X	X	X	X	X	X	NA
300	IV	NA	X	X	X	NA	X	II	1	*X	X	X	X	NA	X	X
375	IV	NA	NA	X	X	NA	X	II	1	*X	X	X	X	NA	X	X
450	IV	NA	NA	X	X	X	X	II	2	X	X	X	X	X	X	X
525	III	NA	NA	X	X	NA	NA	II	2	X	X	X	X	NA	NA	NA
600	III	NA	NA	X	X	X	X	II	2	X	X	X	X	X	X	X
675	III	NA	NA	NA	NA	NA	NA	II	3	X	NA	NA	NA	NA	NA	NA
750	IV	NA	NA	X	X	X	X	II	3	X	X	X	X	X	X	X
825	III	NA	NA	NA	NA	NA	NA	II	NA	X	NA	NA	NA	NA	NA	NA
900	III	NA	NA	X	X	X	X	II	NA	X	X	X	X	X	X	X
1050	II	NA	X	X	NA	X	X	II	NA	X	X	NA	NA	NA	NA	NA
1200	II	NA	X	X	NA	X	X	II	NA	X	X	NA	NA	NA	NA	NA
1350	II	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA	NA
1500	II	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA	NA
1650	II	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA	NA
1800	II	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA	NA
1950	II	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA	NA
2100	II	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA	NA
2250	II	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA	NA
2400	II	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA	NA
2550	II	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA	NA
2700	II	NA	NA	NA	NA	NA	NA	II	NA	NA	NA	NA	NA	NA	NA	NA

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe  
 CSP Concrete Sewer, Storm drain, and Culvert Pipe  
 PVC Polyvinyl Chloride Pipe  
 CPVC Corrugated Polyvinyl Chloride Pipe  
 ESCP Extra Strength Clay Pipe  
 PE Polyethylene Pipe with a Smooth Interior  
 CPE Corrugated Polyethylene Pipe with a Smooth Interior  
 CPP Corrugated Polypropylene pipe with a Smooth Interior  
 X This material may be used for the given pipe diameter and fill height.  
 NA This material is Not Acceptable for the given pipe diameter and fill height.  
 \* May also use Standard Strength Clay Pipe

STORM SEWERS															
KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE															
Nominal Diameter in.	Type 3							Type 4							
	RCCP	CSP	ESCP	PVC	CPVC	PE	CPE	CPP	RCCP	CSP	ESCP	PVC	CPVC	PE	CPP
Fill Height: Greater than 10' not exceeding 15'															
Fill Height: Greater than 15' not exceeding 20'															
10	NA	2	X	X	X	X	X	NA	3	X	X	X	X	X	NA
12	III	2	X	X	X	NA	NA	X	NA	NA	X	X	X	X	NA
15	III	3	X	X	X	NA	NA	X	NA	NA	X	X	X	NA	X
18	III	NA	X	X	X	X	NA	X	NA	NA	X	X	X	X	NA
21	III	NA	NA	X	X	NA	NA	NA	NA	NA	X	X	X	NA	NA
24	III	NA	NA	X	X	X	NA	NA	NA	NA	X	X	X	X	NA
27	III	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
30	III	NA	NA	NA	X	X	NA	X	NA	NA	X	X	X	X	NA
33	III	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
36	III	NA	NA	NA	X	X	NA	NA	NA	NA	X	X	X	X	NA
42	III	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
48	III	NA	NA	NA	X	X	NA	NA	NA	NA	X	X	X	X	NA
54	III	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
60	III	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
66	III	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
72	III	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
78	III	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
84	III	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
90	III	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
96	III	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
102	III	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
108	1360	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe  
 CSP Concrete Sewer, Storm drain, and Culvert Pipe  
 PVC Polyvinyl Chloride Pipe  
 CPVC Corrugated Polyvinyl Chloride Pipe  
 ESCP Extra Strength Clay Pipe  
 PE Polyethylene Pipe with a Smooth Interior  
 CPE Corrugated Polyethylene Pipe with a Smooth Interior  
 CPP Corrugated Polypropylene pipe with a Smooth Interior  
 X This material may be used for the given pipe diameter and fill height.  
 NA This material is Not Acceptable for the given pipe diameter and fill height.  
 \* May also use Standard Strength Clay Pipe  
 Note RCCP with a number instead of a Roman numeral shall be furnished according to AASHTO M170 Section 6. This number represents the D-load to produce a 0.01 in crack.

STORM SEWERS (metric)															
KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE															
Nominal Diameter in.	Type 3							Type 4							
	Fill Height: Greater than 3 m not exceeding 4.5 m							Fill Height: Greater than 4.5 m not exceeding 6 m							
	RCCP	CSP	ESCP	PVC	CPVC	PE	CPE	CPP	RCCP	CSP	ESCP	PVC	CPVC	PE	CPP
250	NA	2	X	X	X	X	X	NA	3	X	X	X	X	X	NA
300	III	2	X	X	X	NA	NA	X	NA	NA	X	X	X	NA	NA
375	III	3	X	X	NA	NA	NA	X	NA	NA	X	X	X	NA	X
450	III	NA	X	X	X	X	NA	X	NA	NA	X	X	X	NA	NA
525	III	NA	NA	X	X	NA	NA	NA	NA	NA	X	X	X	NA	NA
600	III	NA	NA	X	X	X	NA	NA	NA	NA	X	X	X	NA	NA
675	III	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
750	III	NA	NA	NA	NA	X	NA	X	NA	NA	NA	NA	NA	NA	NA
825	III	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
900	III	NA	NA	NA	X	X	NA	NA	NA	NA	X	X	X	NA	NA
1050	III	NA	NA	NA	NA	X	NA	NA	NA	NA	X	NA	NA	NA	NA
1200	III	NA	NA	NA	NA	X	NA	NA	NA	NA	X	NA	NA	NA	NA
1350	III	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1500	III	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1650	III	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1800	III	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1950	III	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2100	III	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2250	III	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2400	III	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2550	III	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2700	70	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe

CSP Concrete Sewer, Storm drain, and Culvert Pipe

PVC Polyvinyl Chloride Pipe

CPVC Corrugated Polyvinyl Chloride Pipe

ESCP Extra Strength Clay Pipe

PE Polyethylene Pipe with a Smooth Interior

CPE Corrugated Polyethylene Pipe with a Smooth Interior

CPP Corrugated Polypropylene pipe with a Smooth Interior

X This material may be used for the given pipe diameter and fill height.

\* This material is Not Acceptable for the given pipe diameter and fill height.

Note May also use Standard Strength Clay Pipe

RCCP with a number instead of a Roman numeral shall be furnished according to AASHTO M170 Section 6. This number represents the metric D-load to produce a 25.4 micro-meter crack.

STORM SEWERS									
KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE									
Nominal Diameter in.	Type 5				Type 6			Type 7	
	Fill Height: Greater than 20' not exceeding 25'				Fill Height: Greater than 25' not exceeding 30'			Fill Height: Greater than 30' not exceeding 35'	
	RCCP	PVC	CPVC		RCCP	PVC	CPVC	RCCP	CPVC
10	NA	X	X	NA	NA	X	NA	NA	X
12	IV	X	X	V	V	X	V	V	X
15	IV	X	X	V	V	X	V	V	X
18	IV	X	X	V	V	X	V	V	X
21	IV	X	X	V	V	X	V	V	X
24	IV	X	X	V	V	X	V	V	X
27	IV	NA	NA	V	V	NA	V	V	NA
30	IV	X	X	V	V	X	V	V	X
33	IV	NA	NA	V	V	NA	V	V	NA
36	IV	X	X	V	V	X	V	V	X
42	IV	X	NA	V	V	NA	V	V	NA
48	IV	X	NA	V	V	NA	V	V	NA
54	IV	NA	NA	V	V	NA	V	V	NA
60	IV	NA	NA	V	V	NA	V	V	NA
66	IV	NA	NA	V	V	NA	V	V	NA
72	V	NA	NA	V	V	NA	V	V	NA
78	2020	NA	NA	2370	2370	NA	2730	2730	NA
84	2020	NA	NA	2380	2380	NA	2740	2740	NA
90	2030	NA	NA	2390	2390	NA	2750	2750	NA
96	2040	NA	NA	2400	2400	NA	2750	2750	NA
102	2050	NA	NA	2410	2410	NA	2760	2760	NA
108	2060	NA	NA	2410	2410	NA	2770	2770	NA

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe

PVC Polyvinyl Chloride Pipe

CPVC Corrugated Polyvinyl Chloride Pipe

ESCP Extra Strength Clay Pipe

X This material may be used for the given pipe diameter and fill height.

NA This material is Not Acceptable for the given pipe diameter and fill height.

Note RCCP with a number instead of a Roman numeral shall be furnished according to AASHTO M170 Section 6. This number represents the D-load to produce a 0.01 in crack.

STORM SEWERS (metric)									
KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE									
Nominal Diameter in.	Type 5				Type 6			Type 7	
	Fill Height: Greater than 20' not exceeding 25'				Fill Height: Greater than 25' not exceeding 30'			Fill Height: Greater than 30' not exceeding 35'	
	RCCP	PVC	CPVC	CPVC	RCCP	PVC	CPVC	RCCP	CPVC
250	NA	X	X	X	NA	X	X	NA	X
300	IV	X	X	X	V	X	X	V	X
375	IV	X	X	X	V	X	X	V	X
450	IV	X	X	X	V	X	X	V	X
525	IV	X	X	X	V	X	X	V	X
600	IV	X	X	X	V	X	X	V	X
675	IV	NA	NA	NA	V	NA	NA	V	NA
750	IV	X	X	X	V	X	X	V	X
825	IV	NA	NA	NA	V	NA	NA	V	NA
900	IV	X	X	X	V	X	X	V	X
1050	IV	X	NA	NA	V	X	NA	V	NA
1200	IV	X	NA	NA	V	X	NA	V	NA
1350	IV	NA	NA	NA	V	NA	NA	V	NA
1500	IV	NA	NA	NA	V	NA	NA	V	NA
1650	IV	NA	NA	NA	V	NA	NA	V	NA
1800	V	NA	NA	NA	V	NA	NA	V	NA
1950	100	NA	NA	NA	110	NA	NA	130	NA
2100	100	NA	NA	NA	110	NA	NA	130	NA
2250	100	NA	NA	NA	110	NA	NA	130	NA
2400	100	NA	NA	NA	120	NA	NA	130	NA
2550	100	NA	NA	NA	120	NA	NA	130	NA
2700	100	NA	NA	NA	120	NA	NA	130	NA

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe

PVC Polyvinyl Chloride Pipe

CPVC Corrugated Polyvinyl Chloride Pipe

ESCP Extra Strength Clay Pipe

X This material may be used for the given pipe diameter and fill height.

NA This material is Not Acceptable for the given pipe diameter and fill height.

Note RCCP with a number instead of a Roman numeral shall be furnished according to AASHTO M170 Section 6. This number represents the metric D-load to produce a 25.4 micro-meter crack.

Revise the sixth paragraph of Article 550.06 of the Standard Specifications to read:

"PVC, PE and CPP pipes shall be joined according to the manufacturer's specifications."

Revise the first and second paragraphs of Article 550.08 of the Standard Specifications to read:

**"550.08 Deflection Testing for Storm Sewers.** All PVC, PE, and CPP storm sewers shall be tested for deflection not less than 30 days after the pipe is installed and the backfill compacted. The testing shall be performed in the presence of the Engineer.

For PVC, PE, and CPP storm sewers with diameters 24 in. (600 mm) or smaller, a mandrel drag shall be used for deflection testing. For PVC, PE, and CPP storm sewers with diameters over 24 in. (600 mm), deflection measurements other than by a mandrel shall be used."

Revise the fifth paragraph of Article 550.08 to read as follows.

"The outside diameter of the mandrel shall be 95 percent of the base inside diameter. For all PVC pipe the base inside diameter shall be defined using ASTM D 3034 methodology. For all PE and CPP pipe, the base inside diameter shall be defined as the average inside diameter based on the minimum and maximum tolerances specified in the corresponding ASTM or AASHTO material specifications."

Revise the first paragraph of Article 1040.03 of the Standard Specifications to read:

**"1040.03 Polyvinyl Chloride (PVC) Pipe.** Acceptance testing of PVC pipe and fittings shall be accomplished during the same construction season in which they are installed. The section properties shall be according to the manufacturer pre-submitted geometric properties on file with the Department. The manufacturer shall submit written certification that the material meets those properties. The pipe shall meet the following additional requirements."

Delete Articles 1040.03(e) and (f) of the Standard Specifications.

Revise Articles 1040.04(c) and (d) of the Standard Specifications to read:

"(c) PE Profile Wall Pipe for Insertion Lining. The pipe shall be according to ASTM F 894. When used for insertion lining of pipe culverts, the pipe liner shall have a minimum pipe stiffness of 46 psi (317 kPa) at five percent deflection for nominal inside diameters of 42 in. (1050 mm) or less. For nominal inside diameters of greater than 42 in. (1050 mm), the pipe liner shall have a minimum pipe stiffness of 32.5 psi (225 kPa) at five percent deflection. All sizes shall have wall construction that presents essentially smooth internal and external surfaces.

(d) PE Pipe with a Smooth Interior. The pipe shall be according to ASTM F 714 (DR 32.5) with a minimum cell classification of PE 335434 as defined in ASTM D 3350. The section properties shall be according to the manufacturer pre-submitted geometric properties on file with the Department. The manufacturer shall submit written

certification that the material meets those properties and the resin used to manufacture the pipe meets or exceeds the minimum cell classification requirements.”

Add the following to Section 1040 of the Standard Specifications:

**“1040.08 Polypropylene (PP) Pipe.** Storage and handling shall be according to the manufacturer's recommendations, except in no case shall the pipe be exposed to direct sunlight for more than six months. Acceptance testing of the pipe shall be accomplished during the same construction season in which it is installed. The section properties shall be according to the manufacturer pre-submitted geometric properties on file with the Department. The manufacturer shall submit written certification that the material meets those properties. The pipe shall meet the following additional requirements.

- (a) Corrugated PP Pipe with a Smooth Interior. The pipe shall be according to AAHSTO M 330 (nominal size – 12 to 60 in. (300 to 1500 mm)). The pipe shall be Type S or D.
- (b) Perforated Corrugated PP Pipe with A Smooth Interior. The pipe shall be according to AASHTO M 330 (nominal size – 12 to 60 in. (300 to 1500 mm)). The pipe shall be Type SP. In addition, the top centerline of the pipe shall be marked so that it is readily visible from the top of the trench before backfilling, and the upper ends of the slot perforations shall be a minimum of ten degrees below the horizontal.”

80325

**MECHANICAL SIDE TIE BAR INSERTER (BDE)**

Effective: August 1, 2014

Revised: January 1, 2015

Add the following to Article 420.03 of the Standard Specifications:

“(k) Mechanical Side Tie Bar Inserters ..... 1103.18”

Revise Article 420.05(b) of the Standard Specifications to read:

“(b) Longitudinal Construction Joint. The tie bars shall be installed using one of the following methods.

- (1) Preformed or Drilled Holes. The tie bars shall be installed with an approved nonshrink grout or chemical adhesive providing a minimum pull-out strength as follows.

Bar Size	Minimum Pull-Out Strength
No. 6 (No. 19)	11,000 lb (49 kN)
No. 8 (No. 25)	19,750 lb (88 kN)

Holes shall be blown clean and dry prior to placing the grout or adhesive. If compressed air is used, the pneumatic tool lubricator shall be bypassed and a filter installed on the discharge valve to keep water and oil out of the lines. The installation shall be with methods and tools conforming to the grout or adhesive manufacturer's recommendations.

The Contractor shall load test five percent of the first 500 tie bars installed. No further installation will be allowed until the initial five percent testing has been completed and approval to continue installation has been given by the Engineer. Testing will be required for 0.5 percent of the bars installed after the initial 500. For each bar that fails to pass the minimum requirements, two more bars selected by the Engineer shall be tested. Each bar that fails to meet the minimum load requirement shall be reinstalled and retested. The equipment and method used for testing shall meet the requirements of ASTM E. 488. All tests shall be performed within 72 hours of installation. The tie bars shall be installed and approved before concrete is placed in the adjacent lane.”

- (2) Inserted. The tie bars shall be installed with the use of a mechanical side tie bar inserter. The inserter shall insert the tie bars with vibration while still within the extrusion process, after the concrete has been struck off and consolidated without deformation of the slab. The inserter shall remain stationary relative to the pavement when inserting tie bars, while the formless paver continues to move in the direction of paving.



A void greater than 1/8 in. (3 mm) at any location around the tie bar shall require immediate adjustment of the paving operation. A void greater than 1/2 in. (13 mm) shall be repaired with a nonshrink grout or chemical adhesive after the concrete has hardened. If at the end of the day of paving more than 20 percent of the tie bars show a void larger than 1/8 in. (3 mm) at any point around the bar, the use of the side tie bar inserter shall be discontinued.

(3) Formed in Place. The tie bar shall be formed in place as shown on the plans.

The sealant reservoir shall be formed either by sawing after the concrete has set according to Article 420.05(a) or by hand tools when the concrete is in a plastic state."

Add the following to Section 1103 of the Standard Specifications:

**"1103.18 Mechanical Side Bar Inserters.** The mechanical side tie bar inserter shall be self-contained and supported on the formless paver with the ability to move independently from the formless paver. The insertion apparatus shall vibrate within a frequency of 2000 to 6000 vpm. A vibrating reed tachometer, hand type, shall be provided according to Article 1103.12."

80342

**PAVEMENT PATCHING (BDE)**

Effective: January 1, 2010

Revise the first sentence of the second paragraph of Article 701.17(e)(1) of the Standard Specifications to read:

"In addition to the traffic control and protection shown elsewhere in the contract for pavement, two devices shall be placed immediately in front of each open patch, open hole, and broken pavement where temporary concrete barriers are not used to separate traffic from the work area."

80254

## REINFORCEMENT BARS (BDE)

Effective: November 1, 2013

Revise the first and second paragraphs of Article 508.05 of the Standard Specifications to read:

**508.05 Placing and Securing.** All reinforcement bars shall be placed and tied securely at the locations and in the configuration shown on the plans prior to the placement of concrete. Manual welding of reinforcement may only be permitted or precast concrete products as indicated in the current Bureau of Materials and Physical Research Policy Memorandum "Quality Control / Quality Assurance Program for Precast Concrete Products", and for precast prestressed concrete products as indicated in the Department's current "Manual for Fabrication of Precast Prestressed Concrete Products". Reinforcement bars shall not be placed by sticking or floating into place or immediately after placement of the concrete.

Bars shall be tied at all intersections, except where the center to center dimension is less than 1 ft (300 mm) in each direction, in which case alternate intersections shall be tied. Molded plastic clips may be used in lieu of wire to secure bar intersections, but shall not be permitted in horizontal bar mats subject to construction foot traffic or to secure longitudinal bar laps. Plastic clips shall adequately secure the reinforcement bars, and shall permit the concrete to flow through and fully encase the reinforcement. Plastic clips may be recycled plastic, and shall meet the approval of the Engineer. The number of ties as specified shall be doubled for lap splices at the stage construction line of concrete bridge decks when traffic is allowed on the first completed stage during the pouring of the second stage."

Revise the fifth paragraph of Article 508.05 of the Standard Specifications to read:

"Supports for reinforcement in bridge decks shall be metal. For all other concrete construction the supports shall be metal or plastic. Metal bar supports shall be made of cold-drawn wire, or other approved material and shall be either epoxy coated, galvanized or plastic tipped. When the reinforcement bars are epoxy coated, the metal supports shall be epoxy coated. Plastic supports may be recycled plastic. Supports shall be provided in sufficient number and spaced to provide the required clearances. Supports shall adequately support the reinforcement bars, and shall permit the concrete to flow through and fully encase the reinforcement. The legs of supports shall be spaced to allow an opening that is a minimum 1.33 times the nominal maximum aggregate size used in the concrete. Nominal maximum aggregate size is defined as the largest sieve which retains any of the aggregate sample particles. All supports shall meet the approval of the Engineer."

Revise the first sentence of the eighth paragraph of Article 508.05 of the Standard Specifications to read:

"Epoxy coated reinforcement bars shall be tied with plastic coated wire, epoxy coated wire, or molded plastic clips where allowed."

Add the following sentence to the end of the first paragraph of Article 508.06(c) of the Standard Specifications:

"In addition, the total slip of the bars within the splice sleeve of the connector after loading in tension to 30 ksi (207 MPa) and relaxing to 3 ksi (20.7 MPa) shall not exceed 0.01 in. (254 microns)."

Revise Article 1042.03(d) of the Standard Specifications to read:

"(d) Reinforcement and Accessories: The concrete cover over all reinforcement shall be within  $\pm 1/4$  in. ( $\pm 6$  mm) of the specified cover.

Welded wire fabric shall be accurately bent and tied in place.

Miscellaneous accessories to be cast into the concrete or for forming holes and recesses shall be carefully located and rigidly held in place by bolts, clamps, or other effective means. If paper tubes are used for vertical dowel holes, or other vertical holes which require grouting, they shall be removed before transportation to the construction site."

80327

**SIDEWALK, CORNER, OR CROSSWALK CLOSURE (BDE)**

Effective: January 1, 2015

Revised: April 1, 2015

Revise the first sentence of Article 1106.02(m) of the Supplemental Specifications to read:

"The top and bottom panels shall have alternating white and orange stripes sloping 45 degrees on both sides."

80354

**Maintenance of Roadways**

Effective: September 30, 1985

Revised: November 1, 1996

Beginning on the date that work begins on this project, the Contractor shall assume responsibility for normal maintenance of all existing roadways within the limits of the improvement. This normal maintenance shall include all repair work deemed necessary by the Engineer, but shall not include snow removal operations. Traffic control and protection for maintenance of roadways will be provided by the Contractor as required by the Engineer.

If items of work have not been provided in the contract, or otherwise specified for payment, such items, including the accompanying traffic control and protection required by the Engineer, will be paid for in accordance with Article 109.04 of the Standard Specifications.

**Coarse Aggregate for Backfill, Trench Backfill and Bedding (D-1)**

Effective: November 1, 2011

Revised: November 1, 2013

This work shall be according to Section 1004.05 of the Standard Specifications except for the following:

Reclaimed Asphalt Pavement (RAP) maybe blended with gravel, crushed gravel, crushed stone crushed concrete, crushed slag, chats, crushed sand stone or wet bottom boiler slag. The RAP used shall be according to the current Bureau of Materials and Physical Research Policy Memorandum, "Reclaimed Asphalt Pavement (RAP) for Aggregate Applications". The RAP shall be uniformly graded and shall pass the 1.0 in. (25 mm) screen. When RAP is blended with any of the coarse aggregate listed above, the blending shall be done mechanically with calibrated feeders. The feeders shall have an accuracy of  $\pm 2.0$  percent of the actual quantity of material delivered. The final blended product shall not contain more than 40 percent by weight RAP.

The coarse aggregate listed above shall meet CA 6 and CA 10 gradations prior to being blended with the processed and uniformly graded RAP. Gradation deleterious count shall not exceed 10% of total RAP and 5% of other by total weight.

**Public Convenience and Safety (Dist 1)**

Effective: May 1, 2012

Revised: July 15, 2012

Add the following to the end of the fourth paragraph of Article 107.09:

“If the holiday is on a Saturday or Sunday, and is legally observed on a Friday or Monday, the length of Holiday Period for Monday or Friday shall apply.”

Add the following sentence after the Holiday Period table in the fourth paragraph of Article 107.09:

“The Length of Holiday Period for Thanksgiving shall be from 5:00 AM the Wednesday prior to 11:59 PM the Sunday After”

Delete the fifth paragraph of Article 107.09 of the Standard Specifications:

“On weekends, excluding holidays, roadways with Average Daily Traffic of 25,000 or greater, all lanes shall be open to traffic from 3:00 P.M. Friday to midnight Sunday except where structure construction or major rehabilitation makes it impractical.”



**SPECIAL PROVISION  
FOR  
EXPLORATION TRENCH, SPECIAL**

Description. This item shall consist of excavating a trench at locations designated by the Engineer for the purpose of locating existing tile lines or other underground facilities within the limits of the proposed improvement. The trench shall be deep enough to expose the line but not more than one foot deeper than the line, and the width of the trench shall be sufficient to allow proper investigation to determine if the line needs to be relocated or replaced.

The exploration trench shall be backfilled with gradation CA 6 stone, the cost of which shall be included in the item of EXPLORATION TRENCH, SPECIAL.

Basis of Payment. This work will be paid for at the contract unit price per foot for EXPLORATION TRENCH, SPECIAL, regardless of the depth required, and no extra compensation will be allowed for any delays, inconveniences or damages sustained by the Contractor in performing the work.

### Porous Granular Embankment, Subgrade

Effective: September 30, 1985

Revised: August 1, 2008

This work consists of furnishing, placing, and compacting porous granular material to the lines and grades shown on the plans or as directed by the Engineer in accordance with applicable portions of Section 207 of the Standard Specifications. The material shall be used as a bridging layer over soft, pumpy, loose soil and for placing under water and shall conform with Article 1004.05 of the Standard Specifications except the gradation shall be as follows:

#### 1. Crushed Stone, Crushed Blast Furnace Slag, and Crushed Concrete

<u>Sieve Size</u>	<u>Percent Passing</u>
*6 in. (150 mm)	97 ± 3
*4 in. (100 mm)	90 ± 10
2 in. (50 mm)	45 ± 25
No. 200 (75 µm)	5 ± 5

#### 2. Gravel\*\* and Crushed Gravel

<u>Sieve Size</u>	<u>Percent Passing</u>
*6 in. (150 mm)	97 ± 3
*4 in. (100 mm)	90 ± 10
2 in. (50 mm)	55 ± 25
No. 4 (4.75 mm)	30 ± 20
No. 200 (75 µm)	5 ± 5

\* For undercut greater than 18 inches (450 mm) the percent passing the 6 inch (150 mm) sieve may be 90 ± 10 and the 4 inch (100 mm) sieve requirements eliminated.

\*\* Not to be used in 30 or 40 year extended life concrete pavement or extended life bituminous concrete pavement (full depth).

The porous granular material shall be placed in one lift when the total thickness to be placed is 2 feet (600 mm) or less or as directed by the Engineer. Each lift of the porous granular material shall be rolled with a vibratory roller meeting the requirements of Article 1101.01(g) of the Standard Specifications to obtain the desired keying or interlock and compaction. The Engineer shall verify that adequate keying has been obtained.

A 3 inch (75 mm) nominal thickness top lift of capping aggregate having a gradation of CA 6 will be required when Aggregate Subgrade is not specified in the contract and Porous Granular Embankment, Subgrade will be used under the pavement and shoulders. Capping aggregate will not be required when embankment meeting the requirements of Section 207 of the Standard Specifications or granular subbase is placed on top of the porous granular material.

Construction equipment not necessary for the completion of the replacement material will not be allowed on the undercut areas until completion of the recommended thickness of the porous granular embankment subgrade.

Full depth subgrade undercut should occur at limits determined by the Engineer. A transition slope to the full depth of undercut shall be made outside of the undercut limits at a taper of 1 foot (300 mm) longitudinal per 1 inch (25 mm) depth below the proposed subgrade or bottom of the proposed aggregate subgrade when included in the contract.

Method of Measurement. This work will be measured for payment in accordance with Article 207.04 of the Standard Specifications. When specified on the contract, the theoretical elevation of the bottom of the aggregate subgrade shall be used to determine the upper limit of Porous Granular Embankment, Subgrade. The volume will be computed by the method of average end areas.

Basis of Payment. This work shall be paid for at the contract unit price per cubic yard (cubic meter) for POROUS GRANULAR EMBANKMENT, SUBGRADE.

The Porous Granular Embankment, Subgrade shall be used as field conditions warrant at the time of construction. No adjustment in unit price will be allowed for an increase or decrease in quantities from the estimated quantities shown on the plans.

**SPECIAL PROVISION  
FOR  
SEGMENTAL BLOCK RETAINING WALL REMOVAL**

Description. This work shall consist of the removal of existing segmental block retaining walls at the locations shown on the plans.

This work shall be performed in accordance with Section 501 of the Standard Specifications. The Contractor shall contact the owner of the wall to determine if the owner wants to keep the wall blocks. If the owner wants to keep the blocks, the Contractor shall stack them for removal by the owner outside of the construction limits. If the owner does not want the blocks, the Contractor shall dispose of the blocks in accordance with Section 202.03 of the Standard Specifications.

The wall shall be removed to at least 2 feet below the proposed elevation of subgrade or finished surface.

Method of Measurement. The segmental block retaining wall being removed shall be measured in feet along the top of the wall, from end of wall to end of wall.

Basis of Payment. This work will be paid for at the contract unit price per foot for SEGMENTAL BLOCK RETAINING WALL REMOVAL.

**SPECIAL PROVISION  
FOR  
CONCRETE PAVER SIDEWALK REMOVAL**

Description. This work shall consist of the removal of concrete pavers where shown on the plans or as directed by the Engineer. The pavers shall be stored by the Contractor until their reinstallation. Any pavers damaged by the Contractor shall be replaced by the Contractor at no additional cost to the County. Any excess pavers not required for the construction of the new concrete paver sidewalk are to be salvaged and delivered on pallets to the Village of Schaumburg Public Works (714 S Plum Grove Rd, Schaumburg, IL).

This work shall also include removal of the existing concrete border and concrete base, which shall be disposed of off-site. The work will be in accordance with the applicable portions of Section 440 of the Standard Specifications.

Method of Measurement. Paver sidewalk removal will be measured for payment in place and the area computed in square feet. The area of measurement shall include the concrete borders adjacent to the concrete pavers, when the concrete border is shown to be removed.

Basis of Payment. This work shall be paid for at the contract unit price per square foot for CONCRETE PAVER SIDEWALK REMOVAL. This price shall include all labor, equipment, and materials necessary to perform said work.

**SPECIAL PROVISION  
FOR  
CONCRETE PAVER SIDEWALK**

Description. This work shall consist of reinstalling existing concrete pavers for the sidewalk where shown on the plans or as directed by the Engineer on a new concrete base. When determined by the Engineer, additional pavers required to complete the work shall be furnished by the Contractor and shall be paid for separately as CONCRETE PAVERS (FURNISH). This work shall be in accordance with the applicable portions of Section 424 of the Standard Specifications and the plan details. Damage to any of the pavers by the Contractor shall be replaced by the Contractor with no additional cost to the County.

Materials. The concrete base shall comply with the requirements of Section 1020 of the Standard Specifications for Class SI Concrete. The joint sand shall consist of a natural or manufactured sand conforming to ASTM C-33 for fine aggregates. Sand must be free from clay, organic matter, and other deleterious material. Mason sand will not be permitted. The joint sand stabilizer shall be SB-1370, Surebond Safebond Ecology Sealer & Joint Sand Stabilizer, or approved equal. Geotextile fabric shall conform to Article 1080.05 of the Standard Specifications. PVC pipe shall be schedule 40 conforming to ASTM 1784 or ASTM 1785. Reinforcement bars and welded wire fabric shall conform to the requirements of Article 1006.10 of the Standard Specifications.

Installation. The concrete base pad shall include installing 6x6, #6 welded wire fabric and placing portland cement concrete to a minimum thickness of 5 inches. Weep holes shall be provided in the base pad at the location of the low point of the paver field to allow water to drain to the base course material, with use of 3/4" PVC pipe. A minimum of 2 weep holes shall be placed in locations of low points a minimum of 24 inches apart. This work shall be constructed in accordance with Sections 351 and 424 of the Standard Specifications. The surface shall be struck smooth and finished and tooled as required for portland cement concrete sidewalk.

Concrete for the installation of sidewalks, detectable warnings, or concrete header bands shall not be constructed integrally with the concrete base. The concrete base shall be tied to the sidewalk and concrete header bands with #6 dowel bars, 12" long, placed at 12" centers. The cost of placing the bars shall be included in the cost of CONCRETE PAVER SIDEWALK.

The pavers shall be installed after the P.C.C. sidewalk, header band, and concrete base have been installed and the forms removed. The Contractor shall place the filter fabric and sand leveling base on the concrete base. The pavers shall be installed according to the pattern shown on the plans. Once installed, the pavers shall be compacted with a plate compactor outfitted with a rubber pad. After the first pass, a thin, uniform layer of joint sand shall be spread over the top of the pavers and the pavers compacted again. Additional sand shall be swept into the joints until they are full to within 1/16" from the bevel edge of paver or the joint surface. All excess sand shall be removed from the paver surface. This process shall be repeated after 48 hours.

After all excess sand has been removed from the paver surface; the joint sand stabilizer shall be liberally and evenly applied as to coat the pavers and joints by using a low pressure regulated sprayer not to exceed 25 pounds per square inch. The joint sand stabilizer shall be applied at a coverage rate of approximately 120 SF per gallon. The excess material shall be simultaneously drawn off the surface with a

soft squeegee to ensure that all joints are adequately coated and that no surplus material is left on the surface. The application of the joint sand stabilizer shall be organized in such a manner so that the operation is carried out in each area before the stabilizer has a chance to dry by doing suitable increments at a time. The work shall be undertaken when the weather is appropriate and shall cease when inclement weather, including rain or strong winds, will affect the stabilizing operation. Joint sand stabilizer shall not be applied if temperatures will fall below 45° Fahrenheit during the application or curing time of the stabilizer. If the pavement has become saturated with water, work shall not commence until the joint sand has dried out sufficiently to allow for proper penetration of the stabilizer. In extremely dry, hot conditions, when midday temperatures rise above 90° Fahrenheit, it may be necessary to adjust the application methods to retard drying and facilitate the proper spreading of the stabilizer. If these circumstances apply, the Contractor shall consult with the Engineer before proceeding with stabilization operation. All areas treated with sand joint stabilizer shall be protected from rain or moisture until the stabilizer is dry and should not be trafficked for a minimum of 24 hours after completion of the stabilization operation.

Method of Measurement. Concrete paver sidewalks will be measured for payment in square feet of paver fields in place.

Basis of Payment. This work shall be paid for at the contract unit price per square foot for CONCRETE PAVER SIDEWALK, which price shall include all materials, labor, and equipment necessary to complete the work as described herein and as shown on the details in the plans.

**SPECIAL PROVISION  
FOR  
CONCRETE PAVERS (FURNISH)**

Description. This work shall consist of furnishing concrete pavers when an adequate supply of pavers is not available for reinstallation, as determined by the Engineer. The cost of the installation of these pavers shall be paid for as CONCRETE PAVER SIDEWALK.

Materials. The concrete pavers shall be Unilock, or approved equal, of the type, size and color shown on the paver details, or approved equal. The pavers shall be of the nominal sizes, shapes, and colors shown on the plans and shall match the size, shape, and color of the existing pavers. A sample of the pavers to be used shall be submitted to the Engineer for approval prior to ordering. The pavers shall meet the requirements set forth in ASTM C-936 "Specification of interlocking concrete paving units". The minimum average compressive strength shall be 8,500 psi; minimum average absorption rates shall be 5%; and the maximum average weight loss after 50 freeze/thaw cycles shall be 1%.

Method of Measurement. Furnishing concrete pavers will be measured for payment in square feet of pavers furnished and subsequently installed.

Basis of Payment. This work shall be paid for at the contract unit price per square foot for CONCRETE PAVERS (FURNISH), which price shall include all materials, labor, and equipment necessary to complete the work as described herein and as shown on the details in the plans.



**SPECIAL PROVISION  
FOR  
CONCRETE HEADER BAND**

Description. This work shall consist of the installation of concrete header bands on the sides of the proposed paver sidewalks, at the locations and in accordance with the details included in the plans. This work shall be performed in accordance with Section 424 of the Standard Specifications.

Method of Measurement. This work will be measured for payment in place and the area computed in square feet.

Basis of Payment. This work will be paid for at the contract unit price per square foot for CONCRETE HEADER BAND, which price shall include the reinforcement bars, dowel bars and joint filler at construction joints. Protective Coat applied to the tops of the bands will be paid for separately.

**SPECIAL PROVISION  
FOR  
FIRE HYDRANTS TO BE REMOVED**

Description. This work shall consist of the removal of existing fire hydrants, auxiliary valves and capping the downstream end of the valve at location shown on the Plans.

This work shall conform to the applicable sections of the Standard Specifications for Water and Sewer Main Construction in Illinois, 7<sup>th</sup> edition. When a proposed fire hydrant is shown to be installed to replace the existing fire hydrant using the existing tee on the water main, the Contractor shall remove the fire hydrant, auxiliary valve and valve box, and the water main from the auxiliary valve to the existing tee.

The Contractor shall remove the connector pipe, fire hydrant, and auxiliary valve and valve box (when described above) and deliver them to the Village of Schaumburg Public Works Department (714 S. Plum Grove Road, Schaumburg, IL), or dispose of them if the Public Works Department does not want them.

When a proposed fire hydrant is shown to be installed at an adjacent location, not using the existing tee on the water main, the Contractor shall follow the following procedure. The Contractor shall excavate below the existing fire hydrant to be removed to expose the auxiliary valve. The valve box shall be modified to remain around the valve but no higher than the top of the valve or the remaining portion of the riser stem, whichever is higher. The connector pipe from the valve to the fire hydrant shall be detached from the valve and a cap installed on the downstream end of the valve. An alternative is to leave a short section of connector pipe attached to the downstream end of the valve and this short section of pipe shall be capped. The cap shall be permanently attached to prevent leakage. When directed by the Engineer, concrete thrust blocking shall be installed adjacent to the cap.

The Contractor shall backfill the excavation with CA-6 or appropriate backfill, as approved by the Engineer, to the existing grade elevation, unless a new fire hydrant is shown to be installed at this location. The backfill shall be compacted in accordance with Section 550 of the "Standard Specifications" except that only Method 1 shall be used.

This work will require water to be shut off, which shall be coordinated with the Village's maintenance personnel. This may require work to be performed during overnight hours or on weekends. No additional compensation shall be allowed for work outside of normal work hours.

Basis of Payment This work shall be paid for at the contract unit price per each for FIRE HYDRANT TO BE REMOVED, which price shall include all labor, equipment and material necessary to complete the work as specified herein.

**SPECIAL PROVISION  
FOR  
FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX**

**Description.** This item shall consist of furnishing fire hydrants with auxiliary valves and valve boxes and installing them at the locations shown on the plans and in accordance with the Standard Specifications for Water and Sewer Main Construction in Illinois, 7<sup>th</sup> edition.

**Materials**

**1. Fire Hydrants**

Fire hydrants shall conform to AWWA Standard C-502 with break away traffic flange. They shall have a valve opening of five and one-fourth inches (5 1/4 ") and shall be equipped with two (2) 2 1/2-inch hose connections and one 4 1/2-inch male pumper connection. The outside diameter of the male thread on the two and one-half inch (2 1/2") hose connections shall be "national standard" threads. Hose caps shall be fastened to barrel with steel chain of at least one-eighth inch (1/8") thickness.

A suitable tee of the quality and kind herein specified shall be placed in the water main opposite each of the fire hydrants and shall be connected with the hydrant by means of the valve and connecting pipe.

Each hydrant shall be provided with a drip that will leave no water standing in the barrel of the hydrant when the hydrant is closed. This drip shall close tightly before the hydrant begins to open. The hose and steamer connections shall be securely leaded and locked into the hydrant and each shall be provided with a suitable cast iron threaded cover fastened securely.

All fire hydrants shall be equipped with an auxiliary valve and cast iron valve box. The auxiliary valve shall be a six inch (6") valve and the pipe connecting the hydrant to the main shall be six inch (6") ductile iron water pipe (class 52) meeting the requirements contained in the special provision for DUCTILE IRON WATER MAIN.

Fire hydrants shall be the break flange type Mueller hydrant, type A-423 as manufactured by the Mueller Manufacturing Company, Decatur, Illinois, or Clow Medallion F-2545 as manufactured by the Clow Valve Company, Oskaloosa, Iowa.

All hydrants and any required fittings shall receive one (1) coat of red paint as recommended by the manufacturer prior to final acceptance.

**2. Auxiliary Valves and Valve Box**

Auxiliary valves shall be "Double Face Valves" in accordance with the following: The valves shall come complete with a cast iron valve box and cover produced by the same manufacturer producing the valve. The auxiliary valves shall be six (6) inches in diameter. The word "Water" shall be imprinted on the valve box cover (Mueller 1H-10360 or Clow 1F-2454). All valves shall be rated for 300 psi test pressure and 150 working pressure.

Valves shall conform to Underwriters' Laboratories, Inc., UL-262, Standard for Gate Valves for Fire Protection, and Factory Mutual Research FM Approval Standard Class Numbers 1120 and 1130, for Fire Service Water Control Valves.

Wedges shall be constructed of ductile iron, fully encapsulated in nitrile rubber except for guide and wedge nut areas.

Wedge rubber shall be molded in place and bonded to the ductile iron portion, and shall not be mechanically attached with screws, rivets, or similar fasteners.

Wedge shall seat against seating surfaces arranged symmetrically about the centerline of the operating stem, so that seating is equally effective regardless of direction of pressure unbalance across the wedge.

All seating surfaces in body shall be inclined to the vertical at a minimum angle of 32 degrees (when stem is in a vertical position) to eliminate abrasive wear of rubber sealing surfaces. The stem shall be sealed by at least two O-rings; all stem seals shall be replaceable with valve fully open and while subjected to full pressure. Waterway shall be smooth and shall have no depressions or cavities in seat area where foreign material can lodge and prevent closure or sealing.

Construction Methods. Each hydrant shall be set on a concrete thrust block not less than 24 inches by 24 inches by 4 inches in thickness. A minimum of 1/2 cubic yard of gravel shall be placed around the base of the hydrant in order to provide drainage for the hydrant drain. The gravel shall be completely covered by a polyethylene sheet with a minimum thickness of 8 mils.

All hydrants shall be set plumb and shall have their nozzles parallel with edge of pavement, the steamer connection shall be facing the edge of pavement. The height of the nut on a four and one-half inch (4 1/2") steamer connection shall be no less than twenty four inches (24") or more than thirty six inches (36") above finished grade at the hydrant. All hydrant leads between the tee and the hydrant shall be a positively restrained connection.

The bowl of each hydrant shall be well braced against undisturbed earth at the end of trench with stone slabs or concrete backing, or it shall be tied to the pipe with suitable rods or clamps.

Fire hydrant extensions shall only be used with the approval of the Engineer. Should fire hydrant extensions be required due to improper construction methods by the Contractor, the extensions will be installed but will not be measured for payment.

Auxiliary valves shall be installed in the vertical position, supported on a concrete pedestal. It shall be the Contractor's responsibility to assure that the finished elevation of the box is flush with the adjacent proposed ground line. Valve box installation shall meet the requirements of Section 44 of the Standard Specifications for Water and Sewer Main Construction in Illinois.

All excavation around the fire hydrant and auxiliary valve shall be backfilled to the natural line or finished grade as rapidly as possible. The backfill material shall consist of the excavated material or trench backfill as herein specified. All backfill material shall be deposited in the excavation in a manner that will not cause

damage to the fire hydrant or auxiliary valve. Any depressions which may develop within the area involved in a construction operation due to settlement of backfill material shall be filled in a manner consistent with standard practice.

Method of Measurement. Measurement for the fire hydrant with auxiliary valve and box complete and including all appurtenances shall be measured on a per each basis at each location.

Six (6) inch watermain connection pipe as specified shall be measured for payment on a per foot basis under DUCTILE IRON WATER MAIN 6".

Basis of Payment. Payment for furnishing and installing the fire hydrant with auxiliary valve and box, drainage stone, polyethylene sheet, thrust block, fittings, all appurtenances and backfilling shall be at the contract unit price per each for FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX.

**SPECIAL PROVISION  
FOR  
DUCTILE IRON WATER MAIN**

**Description.** The Contractor shall furnish and install the proposed water main of the diameter specified at the locations shown on the plans or as directed by the Engineer. The water main shall include excavation, granular bedding, installation of the water main, fittings, testing and chlorination of the water main, backfill and compaction of the trench and all incidental items required for a complete and operational water main.

Materials Water main pipe, unless otherwise specified shall be of the following materials:

Ductile iron pipe shall conform to AWWA specifications C151-65. Pipe shall be furnished in nominal eighteen foot (18') laying lengths.

Ductile iron pipe shall be bituminous coated cement mortar lined as specified in section 51-8.2 of AWWA specification C151-65, class 52. The ductile iron pipe shall be coated on the outside as specified in section 15.8.1 with the exceptions that the thickness of the coating shall be an average of two (2) to four (4) mils and a minimum of two (2) mils. Each pipe shall have the weight and class designation conspicuously painted on it. In addition, the manufacturer's mark and year in which the pipe was made shall be distinctly cast or stamped on the bell.

All fittings shall be connected to sections of water main pipe by means of a positive restrained joint consisting of mechanical joints with retainer gland. Fittings shall be ductile iron meeting requirements of ANSI/AWWA C153/A21.10 and ANSI/AWWA C111/A21.11.

Water main joints - Sections of water main pipe shall be connected by means of slip joints, consisting of bells cast integrally with the pipe, which have interior angular recesses conforming to the shape and dimension of a rubber sealing gasket. The interior dimension of which is such that it will admit the insertion of the spigot end of the joining pipe in a manner that will compress the gasket tightly between the bell of the pipe and the inserted spigot, thus securing the gasket and sealing the joint. Such slip joints shall be of the following makes or type:

Super Bellite - as supplied by Griffin

Fastite - as supplied by American Cast Iron Pipe Co.

Tyton - as supplied by the U.S. Pipe and Foundry Co, or the Clow Valve Co.

The lubricant used in conjunction with the push-on joints shall be of material that is recommended by the suppliers specified above, or an acceptable commercially processed animal fat or vegetable shortening.

Mechanical joint pipe shall meet the requirement of ASA specification A-U 11. Bolting materials shall meet the requirements of the manufacturer.

**Construction Methods.** The water main shall be installed as detailed on the plans and in accordance with the applicable provisions of the Standard Specifications for Water and Sewer Main Construction in Illinois, 7th edition. The water main shall be installed to the grades shown on the plans and shall have a nominal minimum depth of cover of five feet six inches (5'-6"). The excavation for the water main should be made using trench equipment or other suitable excavating equipment. The trench for the pipe shall be excavated

at least twelve inches (12") wider than the external diameter of the pipe and not more than eighteen inches (18") wider than the diameter of the pipe at the top of the pipe.

Bell holes of sufficient depth shall be provided across the bottom of the trench to accommodate the bell of the pipe to provide sufficient room for joint making and to ensure bearing for the pipe.

Where a firm foundation is not found to exist for the bottom of the trench at the required depth, due to soft, spongy or other unsuitable soil, such unsuitable soil shall be removed for the full width of the trench and replaced with well compacted unwashed gravel or an equal substitute thereof, or crushed stone if such compacted material proved unsatisfactory. The cost of this work shall not be paid for separately, but shall be included in the pay item DUCTILE IRON WATER MAIN.

Sheeting and bracing shall be placed in the trench, as may be necessary, for the safety of the work and public, for the protection of the workmen, adjacent properties, or structures and for the proper installation of the work.

Sheeting and/or bracing shall be progressively removed as the backfill is placed in such a manner as to prevent the caving in of the sides of the trench or excavation and to prevent damage to the work.

Sheeting which is placed for the protection of the public, adjacent to properties or structures, shall not be removed until the backfill has been placed and thoroughly compacted. While sheeting is being withdrawn, all vacancies shall be carefully filled with sand free from silt and compacted.

The Contractor shall keep the trench free from water while the water main is being placed and until the pipe joint has been sealed to the satisfaction of the Engineer.

Granular bedding shall be placed along the entire length of all water main from four (4) inches below the water main to a point level with the top of the water main. Material shall be class I in accordance with ASTM 2321. The bedding material shall be included in the cost of the water main. The filling shall be carried up evenly on both sides. Care shall be taken that no rock, frozen material, or other hard substances are placed in contact with the pipe. The pipe shall then be covered at least eighteen inches (18") with clean, dry material.

If the excavation has been made deeper than necessary, the water main shall be laid at the lower depth, and no additional cost shall be charged for the extra excavation, trench backfill, or for subsequent adjustments to fire hydrants, valve vaults or house services. All excavated materials not needed for backfilling the trenches shall be disposed of by the Contractor.

The Contractor shall not backfill above the top of the pipe, until grade, alignment and the pipe joints have been made available for checking by the Engineer.

Unless otherwise directed, all trenches and excavations shall be backfilled as soon as possible and the work shall be prosecuted expeditiously after it has commenced.

The remainder of the trench shall be backfilled by using the material originally excavated from the trench to a height slightly above the original elevation of the ground. Trenches constructed in open cut across or

within two feet (2') of any existing or proposed pavements, existing driveway and sidewalks, shall be backfilled to subgrade with Trench Backfill.

After backfill is completed all trenches shall be compacted by jetting and watersoaking in accordance with Section 20-4.06B of the Standard Specifications for Water and Sewer Main Construction in Illinois, 7th edition, or by other approved methods set forth in said Standard Specifications.

Where possible, the water main must be laid at least 10 feet horizontally from any sewer. In the event this is not possible, less than 10 feet is permissible provided the water main invert is at least 18 inches above the crown of the sewer in a separate trench, or on a shelf of undisturbed earth in the same trench.

Where proper clearance, as described above, is not possible to obtain, the sewer must be of ductile iron or PVC-SDR-26 pipe pressure tested to the maximum expected surcharge head to assure watertightness before backfilling. This work, if required, will be paid for as STORM SEWER REMOVAL, of the size required and STORM SEWER (WATER MAIN REQUIREMENTS), of the size required.

Where a water main must cross a sanitary service or sewer, the invert of the water main shall be a minimum of 18 inches above the crown of the sewer for at least 10 feet each side of the crossing.

Where proper vertical separation is not obtainable or the water main must pass under a sewer, the sewer must be of ductile iron or PVC-SDR-26 pipe or installed in a 1/4" steel pipe or PVC-SDR-26 casing pipe for a minimum distance of 10 feet each side of the crossing. In making such crossing, a length of water main pipe shall be centered over the sewer so that the joints will be equidistant from the sewer. Where the water main must cross under a sewer, a vertical separation of 18 inches must be maintained between the pipes, along with the means to support larger sized sewer lines to prevent their settling and breaking the water main.

Separation from sewers shall conform to Sections 41-2.01A through 41-2.01C of the "Standard Specifications for Water and Sewer Main Construction in Illinois, 7th edition".

Water in the trench shall be removed during pipe laying and jointing operations. Provisions shall be made to prevent floating of the pipe. Trench water shall not be allowed to enter the pipe at any time.

Adequate provisions shall be made for safely storing and protecting all water pipe prior to the actual installation in the trench. Care shall be taken to prevent damage to the pipe castings, both inside and out. Provisions shall be made to keep the inside of the pipe clean throughout its storage period and to keep mud and/or debris from being deposited therein. All pipe shall be thoroughly cleaned on the inside before laying. Proper equipment shall be used for the safe handling, conveying and laying of the pipe. All pipe shall be carefully lowered into the trench, piece by piece, by means of suitable tools or equipment, in such a manner as to prevent damage to water main materials and protective coatings and linings. Under no circumstances shall water main material be dropped or dumped into the trench.

The pipe shall be inspected for defects. All lumps, blisters and excess coal tar coating shall be removed from the ends of each pipe, and the inside of the bell.

When connecting joints, all portions of the joining materials and the socket and spigot ends of the joining pipe shall be wiped clean of all foreign materials. The actual assembly of the joint shall be in accordance



with the manufacturer's installation instructions. During the construction and until joining operations are complete, the open ends of all pipes shall be at all times protected and sealed with temporary water tight plugs. Unless otherwise specified, all water mains shall be laid with a minimum depth of five and one-half (5-1/2) feet, measured from the established grade shown on the drawings to the top of the pipe.

The entire section of the pipe shall be pushed forward to seat the spigot end into the bell. After the section of pipe is inserted into the bell (when joining pipe to mechanical joint fittings) the gasket shall then be pressed into place within the bell, being careful to have the gasket evenly located around the entire joint.

The cutting of pipe for inserting valves, fitting or closure pieces shall be done in a neat and workmanlike manner without damage to cement lining and so as to leave a smooth end at right angles to the axis of the pipe.

When machine cutting is not available for cutting pipe twenty inches (20") in diameter or larger, the electric arc cutting method will be permitted, using a carbon or steel rod. Only qualified and experienced workmen shall be used on this work. The flame cutting of pipe by means of an oxyacetylene torch shall not be allowed.

When the proposed water main is connected to the existing water main at a new connection point, the existing tee shall be abandoned by capping. Work shall include all materials and labor required for capping the existing water main prior to placing the water main back in service. Included in this item are the costs of excavating, blocking and installing a cap or plug on the water main. All caps or plugs shall be ductile iron or cast iron designed to fit water main of the size indicated on the plans with mechanical joints rated 250 psi per AWWA C110/ANSI 21.10. All caps or plugs shall have retainer glands and thrust blocking installed to keep them in place. Thrust blocks shall be poured Class SI concrete of the dimensions shown on the details in, and in accordance with the provisions of, the Standard Specifications for Water and Sewer Main Construction in Illinois, 7th edition. When poured, care shall be taken so that the cement does not interfere with access to joints or with hydrant drainage.

Pressure Testing and Disinfection of Water Main. When a stretch of pipe and appurtenances have been completed the Contractor shall furnish proper appliances and facilities for testing and draining the same, without injury to the work or surrounding territory. He shall test by filling the pipe with clean water under a minimum hydrostatic pressure of one hundred fifty (150) pounds per square inch for not less than one hour and not more than six (6) hours. Water for making tests shall be furnished by the Contractor at his expense. All testing shall be in conformance with Sections 41-2.14 and 41-2.15 of the "Standard Specifications for Water and Sewer Main Construction in Illinois," 7th Edition. The section of water main shall pass if the pressure loss in the pipe is not greater than fifteen (15) pounds per square inch during the first hour of the test.

Each section of pipe to be tested, as determined by the Engineer, shall be slowly filled with water and the specified test pressure shall be applied by means of a pump connected to the pipe in a satisfactory manner. The pump pipe connection and all necessary apparatus including gauges and meter shall be furnished by the Contractor. Before applying the specified test pressure, all air shall be expelled from the pipe. To accomplish this, taps shall be made, if necessary at point of highest elevation and afterward tightly plugged. Any cracked or defective pipes, fitting, valves, or hydrants discovered in consequence of this pressure test shall be removed and replaced by the Contractor with sound material and the test shall

be repeated until satisfactory to the Engineer. Provisions of AWWA C-600 and C-603, where applicable, shall apply.

The Contractor shall notify the Schaumburg Public Works Department (847-923-6612) a minimum of forty eight (48) hours in advance to schedule this test. In no instance shall the Contractor draw water from an existing water main or operate any valves on an existing water main without the express permission of the Public Works Department.

After completion of the pressure test the Contractor shall conduct a leakage test to determine the quantity of water lost by leakage under the specified test pressure. "Test pressure" is defined as the maximum operating pressure of the section under test and is based on the elevation of the lowest point in the line or section under test corrected to the elevation of the test gauge. Applicable provision of AWWA C-600 and C-603 shall apply. Duration of each leakage test shall be a minimum of one hour in addition to the pressure test period. Allowable leakage in gallons per hour for ductile iron water main shall not be greater than the values contained in Section 151 of the Village of Schaumburg Code of Ordinance.

Any defects, cracks or leakage that may develop or may be discovered, either in the joints or in the body of the castings, shall be promptly repaired by the Contractor at his own expense.

Prior to chlorination, the main shall be flushed as thoroughly as possible with the water pressure and outlets available. Flushing shall be done after the pressure test is made. It must be understood that such flushing removes only the lighter solids and cannot be relied upon to remove heavy material allowed to get into the main during laying. If no hydrant is installed at the end of the main, a tap should be provided large enough to effect a velocity in the main of at least 2.5 feet per second.

Sterilization. The preferred point of application of the chlorinating agent shall be at the beginning of the pipeline extension or any valved section of it and through a corporation stop in the top of the newly laid pipe. The water injector for delivering the chlorine bearing water into the pipe should be supplied from a tap on the pressure side of the gate valve controlling the flow into the pipeline extension.

Water from the existing distribution system or other source of supply shall be controlled so as to flow slowly into the newly laid pipeline during the application of chlorine. The rate of chlorine mixture flow shall be in such proportion to the rate of water entering the pipe that the chlorine dose applied to the water entering the newly laid pipe shall be at least fifty (50) ppm, or enough to meet the requirements during the retention period. A convenient method of determining the rate of flow of water into the line to be treated is to start with the line full of water and measure the rate of discharge at a hydrant with a Pitot tube. Great flexibility is made possible by providing a series of orifices to give good gauge readings at high and low flows.

Valves shall be manipulated so that the strong chlorine solution in the line being treated will not flow back into the line supplying the water.

Treated water shall be retained in the pipe long enough to destroy all spore forming bacteria. This retention period should be at least twenty four (24) hours. After the chlorine treated water has been retained for the required time, the chlorine residual at the pipe extremities and at other representative points should be at least ten (10) ppm.

In the process of chlorinating newly laid pipe, all valves or other appurtenances shall be operated while the pipeline is filled with the chlorinating agent.

**Final Flushing And Testing.** Following chlorination, all treated water shall be thoroughly flushed from the newly laid pipeline at its extremities until the replacement water, throughout its length shall, upon test, be approved as safe water by the department of public works. This quality of water delivered by the new main should continue for a period of at least two (2) consecutive full days as demonstrated by laboratory examination of samples taken from a tap located and installed in such a way as to prevent outside contamination. Samples should never be taken from an unsterilized hose or from a fire hydrant, because such samples seldom meet current bacteriological standards.

(1) Repetition Of Procedures: Should the initial treatment fail to result in the conditions specified, the chlorination procedure shall be repeated until such results are obtained.

(2) Sampling Tap: Three-quarter inch (3/4") bronze corporation cocks shall be installed in all water mains at intervals not exceeding one thousand feet (1,000').

The contractor must notify the Public Works Department at least forty eight (48) hours in advance to arrange for appropriate pressure testing and water samplings. The contractor is to provide the Public Works Department with sampling bottles at the time of sampling. All samples will be sent to the Cook County Department of Health or to a state of Illinois approved testing lab for analysis.

**Method of Measurement.** Water main (of the diameters specified) will be measured per foot in place. Water mains shall be measured along the center line of the water main from the center of the valve to the center of the valve, fittings, or end of the pipe.

**Basis of Payment.** Payment for water main shall be made at the contract unit price per foot for DUCTILE IRON WATER MAIN of the appropriate diameter. Payment shall be full compensation for excavation, removal of existing water main in conflict with the proposed water main, capping existing tees and water main, bedding, installation of water main, backfill, thrust blocking, bends, fittings, jetting, pressure testing, chlorination, and all labor, materials, equipment and incidentals as shown on the plans and as specified herein to construct a complete and operational water main except as noted below.

Payment for Trench Backfill shall be made at the contract unit price bid per cubic yard for TRENCH BACKFILL.

Restoration of sidewalk, driveways and landscaping shall be measured for payment under their respective bid items. Granular bedding as specified shall be included to the cost of the water main.

**SPECIAL PROVISION  
FOR  
NON-PRESSURE CONNECTION**

Description. This work shall consist of the connection of new water main, fire hydrant leads, and valves to existing water main that can be shut down.

Materials. Water main and fittings shall conform to the special provisions for Ductile Iron Water Main. Trench backfill shall meet the requirement for CA-6 listed in Article 1004.01.

Construction Requirements. Connections shall be accomplished by the use of mechanical joint fittings and lengths of pipe to make the most direct vertical and horizontal adjustment necessary to complete the connection. This may include cut-ins to the existing main or connections to existing valves or fittings. The new main shall be disinfected in accordance with the DUCTILE IRON WATER MAIN special provision.

This work will require water to be shut off, which shall be coordinated with the Village's maintenance personnel. This may require work to be performed during overnight hours or on weekends. No additional compensation shall be allowed for work outside of normal work hours.

When connecting a new fire hydrant location that is on the opposite side of the existing water main, the existing tee on the main shall be rotated to the opposite side of the main.

Basis of Payment. This work will not be measured for payment but shall be included in the contract unit price for FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX, which price shall include all labor, equipment, water main fittings, sleeves, disinfection, testing, backfill and thrust blocking required to make the connection.

SPECIAL PROVISION  
FOR  
DETECTABLE WARNINGS

Description. This work shall consist of constructing sidewalk curb ramps with detectable warnings in compliance with the Americans with Disabilities Act, Accessibility Guidelines (ADAAG). Work shall be according to Section 424 of the Standard Specifications except as modified herein.

Materials. The detectable warnings shall consist of an area of truncated domes that provide both visual and tactile cues to pedestrians who are about to enter into traffic. The warning area shall be as shown on the applicable Highway Standards.

This work shall require placement of a red, preformed, cast in place detectable warning system. The locations where the cast in place detectable warning system will be utilized will be determined in the field by the Engineer or representative of the Engineer. The system to be used shall be the Armor-Tile Tactile System, manufactured by Engineered Plastics Incorporated, Williamsville, New York.

Method of Measurement. This work will be measured for payment in place and the area computed in square feet.

Basis of Payment. This work shall be paid for at the contract unit price per square foot of the preformed, cast in place panel for DETECTABLE WARNINGS, which price shall be payment in full for all labor, materials, and equipment necessary to complete this item. The surrounding concrete sidewalk will be paid as PORTLAND CEMENT CONCRETE SIDEWALK of the thickness specified.

**SPECIAL PROVISION  
FOR  
GENERAL ELECTRICAL REQUIREMENTS**

This special provision replaces Articles 801.01 – 801.07, 801.09 – 801-16 of the Standard Specifications.

**Definition.** Codes, standards, and industry specifications cited for electrical work shall be by definition the latest adopted version thereof, unless indicated otherwise.

**Materials by definition** shall include electrical equipment, fittings, devices, motors, appliances, fixtures, apparatus, all hardware and appurtenances, and the like, used as part of, or in connection with, electrical installation.

**Standards of Installation.** Materials shall be installed according to the manufacturer's recommendations, the NEC, OSHA, the NESC, and AASHTO's Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals.

All like materials shall be from the same manufacturer. Listed and labeled materials shall be used whenever possible. The listing shall be according to UL or an approved equivalent.

**Safety and Protection.** Safety and protection requirements shall be as follows.

**Safety.** Electrical systems shall not be left in an exposed or otherwise hazardous condition. All electrical boxes, cabinets, pole handholes, etc. which contain wiring, either energized or non-energized, shall be closed or shall have covers in place and be locked when possible, during nonworking hours.

**Protection.** Electrical raceway or duct openings shall be capped or otherwise sealed from the entrance of water and dirt. Wiring shall be protected from mechanical injury.

**Equipment Grounding Conductor.** All electrical systems, materials, and appurtenances shall be grounded. Good ground continuity throughout the electrical system shall be assured, even though every detail of the requirements is not specified or shown. Electrical circuits shall have a continuous insulated equipment grounding conductor. When metallic conduit is used, it shall be bonded to the equipment grounding conductor, but shall not be used as the equipment grounding conductor.

Detector loop lead-in circuits, circuits under 50 volts, and runs of fiber optic cable will not require an equipment grounding conductor.

Where connections are made to painted surfaces, the paint shall be scraped to fully expose metal at the connection point. After the connection is completed, the paint system shall be repaired to the satisfaction of the Engineer.

Bonding of all boxes and other metallic enclosures throughout the wiring system to the equipment grounding conductor shall be made using a splice and pigtail connection. Mechanical connectors shall have a serrated washer at the contact surface.

All connections to structural steel or fencing shall be made with exothermic welds. Care shall be taken not to weaken load carrying members. Where connections are made to epoxy coated reinforcing steel, the epoxy coating shall be sufficiently removed to facilitate a mechanical connection. The epoxy coating shall be repaired to the satisfaction of the Engineer. Where connections are made to insulated conductors, the connection shall be wrapped with at least four layers of electrical tape extended 6 in. (150 mm) onto the conductor insulation.

Submittals. At the preconstruction meeting, the Contractor shall submit a written listing of manufacturers for all major electrical and mechanical items. The list of manufacturers shall be binding, except by written request from the Contractor and approval by the Engineer. The request shall include acceptable reasons and documentation for the change.

Major items shall include, but not limited to the following:

Type of Work (discipline)	Item
All Electrical Work	Electric Service Metering Emergency Standby System Transformers Cable Unit Duct Splices Conduit Surge Suppression System
Lighting	Tower Pole Luminaire Foundation Breakaway Device Controllers Control Cabinet and Peripherals
ITS	Controller Cabinet and Peripherals CCTV Cameras Camera Structures Ethernet Switches Detectors Detector Loop Fiber Optic Cable

Within 30 calendar days after contract execution, the Contractor shall submit, for approval, one copy each of the manufacturer's product data (for standard products and components) and detailed shop drawings (for

fabricated items). Submittals for the materials for each individual pay item shall be complete in every respect. Submittals which include multiple pay items shall have all submittal material for each item or group of items covered by a particular specification, grouped together and the applicable pay item identified. Various submittals shall, when taken together, form a complete coordinated package. A partial submittal will be returned without review unless prior written permission is obtained from the Engineer.

The submittal shall be properly identified by route, section, county, and contract number.

The Contractor shall have reviewed the submittal material and affixed his/her stamp of approval, with date and signature, for each individual item. In case of subcontractor submittal, both the subcontractor and the Contractor shall review, sign, and stamp their approval on the submittal.

Illegible print, incompleteness, inaccuracy, or lack of coordination will be grounds for rejection.

Items from multiple disciplines shall not be combined on a single submittal and transmittal. Items for lighting, signals, surveillance and CCTV must be in separate submittals since they may be reviewed by various personnel in various locations.

The Engineer will review the submittals for conformance with the design concept of the project according to Article 105.04 and the following. The Engineer will stamp the drawings indicating their status as "Approved", "Approved as Noted", "Disapproved", or "Information Only". Since the Engineer's review is for conformance with the design concept only, it shall be 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, or layout drawings by the Engineer's approval thereof. The Contractor shall still be in full compliance with contract and specification requirements.

All submitted items reviewed and marked "Disapproved" or "Approved as Noted" shall be resubmitted by the Contractor in their entirety, unless otherwise indicated within the submittal comments.

Work shall not begin until the Engineer has approved the submittal. Material installed prior to approval by the Engineer, will be subject to removal and replacement at no additional cost to the Department.

Unless otherwise approved by the Engineer, all of the above items shall be submitted to the Engineer at the same time. Each item shall be properly identified by route, section, and contract number.

**Certifications.** When certifications are specified and are available prior to material manufacture, the certification shall be included in the submittal information. When specified and only available after manufacture, the submittal shall include a statement of intent to furnish certification. All certificates shall be complete with all appropriate test dates and data.

**Authorized Project Delay.** See Article 801.08

**Maintenance transfer and Preconstruction Inspection:**

**General.** Before performing any excavation, removal, or installation work (electrical or otherwise) at the site, the Contractor shall request a maintenance transfer and preconstruction site inspection, to be held in the presence of the Engineer and a representative of the party or parties responsible for maintenance of any



lighting and/or traffic control systems which may be affected by the work. The request for the maintenance transfer and preconstruction inspection shall be made no less than seven (7) calendar days prior to the desired inspection date. The maintenance transfer and preconstruction inspection shall:

Establish the procedures for formal transfer of maintenance responsibility required for the construction period.

Establish the approximate location and operating condition of lighting and/or traffic control systems which may be affected by the work

**Marking of Existing Cable Systems.** The party responsible for maintenance of any existing lighting and/or traffic control systems at the project site will, at the Contractor's request, mark and/or stake, once per location, all underground cable routes owned or maintained by the State. A project may involve multiple "locations" where separated electrical systems are involved (i.e. different controllers). The markings shall be taken to have a horizontal tolerance of at least 304.8 mm (one (1) foot) to either side.. The request for the cable locations and marking shall be made at the same time the request for the maintenance transfer and preconstruction inspection is made. The Contractor shall exercise extreme caution where existing buried cable runs are involved. The markings of existing systems are made strictly for assistance to the Contractor and this does not relieve the Contractor of responsibility for the repair or replacement of any cable run damaged in the course of his work, as specified elsewhere herein. Note that the contractor shall be entitled to only one request for location marking of existing systems and that multiple requests may only be honored at the contractor's expense. No locates will be made after maintenance is transferred, unless it is at the contractor's expense.

**Condition of Existing Systems.** The Contractor shall conduct an inventory of all existing electrical system equipment within the project limits, which may be affected by the work, making note of any parts which are found broken or missing, defective or malfunctioning. Megger and load readings shall be taken for all existing circuits which will remain in place or be modified. If a circuit is to be taken out in its entirety, then readings do not have to be taken. The inventory and test data shall be reviewed with and approved by the Engineer and a record of the inventory shall be submitted to the Engineer for the record. Without such a record, all systems transferred to the Contractor for maintenance during construction shall be returned at the end of construction in complete, fully operating condition."

**Marking Proposed Locations for Highway Lighting System.** The Contractor shall mark or stake the proposed locations of all poles, cabinets, junction boxes, pull boxes, handholes, cable routes, pavement crossings, and other items pertinent to the work. A proposed location inspection by the Engineer shall be requested prior to any excavation, construction, or installation work after all proposed installation locations are marked. Any work installed without location approval is subject to corrective action at no additional cost to the Department.

**Inspection of electrical work.** Inspection of electrical work shall be according to Article 105.12 and the following.

Before any splice, tap, or electrical connection is covered in handholes, junction boxes, light poles, or other enclosures, the Contractor shall notify and make available such wiring for the Engineer's inspection.

**Maintenance and Responsibility During Construction.**

Lighting Operation and Maintenance Responsibility. The scope of work shall include the assumption of responsibility for the continuing operation and maintenance of the existing, proposed, temporary, sign and navigation lighting, or other lighting systems and all appurtenances affected by the work as specified elsewhere herein. Maintenance of lighting systems is specified elsewhere and will be paid for separately

The proposed lighting system must be operational prior to opening the roadway to traffic unless temporary lighting exists which is designed and installed to properly illuminate the roadway.

Energy and Demand Charges. The payment of basic energy and demand charges by the electric utility for existing lighting which remains in service will continue as a responsibility of the Owner, unless otherwise indicated. Unless otherwise indicated or required by the Engineer duplicate lighting systems (such as temporary lighting and proposed new lighting) shall not be operated simultaneously at the Owner's expense and lighting systems shall not be kept in operation during long daytime periods at the Owner's expense. Upon written authorization from the Engineer to place a proposed new lighting system in service, whether the system has passed final acceptance or not, (such as to allow temporary lighting to be removed), the Owner will accept responsibility for energy and demand charges for such lighting, effective the date of authorization. All other energy and demand payments to the utility shall be the responsibility of the Contractor until final acceptance.

Damage to Electrical Systems. Should damage occur to any existing electrical systems through the Contractor's operations, the Engineer will designate the repairs as emergency or non-emergency in nature.

Emergency repairs shall be made by the Contractor, or as determined by the Engineer, the Department, or its agent. Non-emergency repairs shall be performed by the Contractor within six working days following discovery or notification. All repairs shall be performed in an expeditious manner to assure all electrical systems are operational as soon as possible. The repairs shall be performed at no additional cost to the Department.

Lighting. An outage will be considered an emergency when three or more lights on a circuit or three successive lights are not operational. Knocked down materials, which result in a danger to the motoring public, will be considered an emergency repair.

Temporary aerial multi-conductor cable, with grounded messenger cable, will be permitted if it does not interfere with traffic or other operations, and if the Engineer determines it does not require unacceptable modification to existing installations.

Testing. Before final inspection, the electrical work shall be tested. Tests may be made progressively as parts of the work are completed, or may be made when the work is complete. Tests shall be made in the presence of the Engineer. Items which fail to test satisfactorily shall be repaired or replaced. Tests shall include checks of control operation, system voltages, cable insulation, and ground resistance and continuity.

The forms for recording test readings will be available from the Engineer in electronic format. The Contractor shall provide the Engineer with a written report of all test data including the following:

- Voltage Tests
- Amperage Tests
- Insulation Resistance Tests
- Continuity tests
- Detector Loop Tests

Lighting systems. The following tests shall be made.

- (1) **Voltage Measurements.** Voltages in the cabinet from phase to phase and phase to neutral, at no load and at full load, shall be measured and recorded. Voltage readings at the last termination of each circuit shall be measured and recorded.
- (2) **Insulation Resistance.** Insulation resistance to ground of each circuit at the cabinet, with all loads connected, shall be measured and recorded.

On tests of new cable runs, the readings shall exceed 50 megohms for phase and neutral conductors with a connected load over 20 A, and shall exceed 100 megohms for conductors with a connected load of 20 A or less.

On tests of cable runs which include cables which were existing in service prior to this contract, the resistance readings shall be the same or better than the readings recorded at the maintenance transfer at the beginning of the contract. Measurements shall be taken with a megohm meter approved by the Engineer.

- (3) **Loads.** The current of each circuit, phase main, and neutral shall be measured and recorded. The Engineer may direct reasonable circuit rearrangement. The current readings shall be within ten percent of the connected load based on material ratings.
- (4) **Ground Continuity.** Resistance of the system ground as taken from the farthest extension of each circuit run from the controller (i.e. check of equipment ground continuity for each circuit) shall be measured and recorded. Readings shall not exceed 2.0 ohms, regardless of the length of the circuit.
- (5) **Resistance of Grounding Electrodes.** Resistance to ground of all grounding electrodes shall be measured and recorded. Measurements shall be made with a ground tester during dry soil conditions as approved by the Engineer. Resistance to ground shall not exceed 10 ohms.

ITS. The following test shall be made in addition to the lighting system test above.

**Detector Loops.** Before and after permanently securing the loop in the pavement, the resistance, inductance, resistance to ground, and quality factor for each loop and lead-in circuit shall be tested. The loop and lead-in circuit shall have an inductance between 20 and 2500 microhenries. The resistance to ground shall be a minimum of 50 megohms under any conditions of weather or moisture. The quality factor (Q) shall be 5 or greater.

**Fiber Optic Systems.** Fiber optic testing shall be performed as required in the fiber optic cable special provision and the fiber optic splice special provision.

All test results shall be furnished to the Engineer seven working days before the date the inspection is scheduled.

**Contract Guarantee.** The Contractor shall provide a written guarantee for all electrical work provided under the contract for a period of six months after the date of acceptance with the following warranties and guarantees.

- (a) The manufacturer's standard written warranty for each piece of electrical material or apparatus furnished under the contract. The warranty for light emitting diode (LED) modules, including the maintained minimum luminance, shall cover a minimum of 60 months from the date of delivery.
- (b) The Contractor's written guarantee that, for a period of six months after the date of final acceptance of the work, all necessary repairs to or replacement of said warranted material or apparatus for reasons not proven to have been caused by negligence on the part of the user or acts of a third party shall be made by the Contractor at no additional cost to the Department.
- (c) The Contractor's written guarantee for satisfactory operation of all electrical systems furnished and constructed under the contract for a period of six months after final acceptance of the work.

The warranty for an uninterruptable 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.

**Record Drawings.** Alterations and additions to the electrical installation made during the execution of the work shall be neatly and plainly marked in red by the Contractor on the full-size set of record drawings kept at the Engineer's field office for the project. These drawings shall be updated on a daily basis and shall be available for inspection by the Engineer during the course of the work. The record drawings shall include the following:

- Cover Sheet
- Summary of Quantities, electrical items only
- Legends, Schedules and Notes
- Plan Sheet
- Pertinent Details
- Single Line Diagram
- Other useful information useful to locate and maintain the systems.

Any modifications to the details shall be indicated. Final quantities used shall be indicated on the Summary of Quantities. Foundation depths used shall also be listed.

As part of the record drawings, the Contractor shall inventory all materials, new or existing, on the project and record information on inventory sheets provided by the Engineer.

The inventory shall include:

- Location of Equipment, including rack, chassis, slot as applicable.
- Designation of Equipment
- Equipment manufacturer
- Equipment model number
- Equipment Version Number
- Equipment Configuration
  - Addressing, IP or other
  - Settings, hardware or programmed
- Equipment Serial Number

The following electronic inventory forms are available from the Engineer:

- Lighting Controller Inventory
- Lighting Inventory
- Light Tower Inspection Checklist
- ITS Location Inventory

The information shall be entered in the forms; handwritten entries will not be acceptable; except for signatures. Electronic file shall also be included in the documentation.

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

In addition to the record drawings, PDF copies of the final catalog cuts which have been Approved and Approved as Noted with applicable follow-up shall be submitted along with the record drawings. The PDF files shall clearly indicate either by filename or PDF table of contents the respective pay item number. Specific part or model numbers of items which have been selected shall be clearly visible. Hard copies of the catalog are not required with this submittal.

The Contractor shall provide two sets of electronically produced drawings in a moisture proof pouch to be kept on the inside door of the controller cabinet or other location approved by the Engineer. These drawings shall show the final as-built circuit orientation(s) of the project in the form of a single line diagram with all luminaires numbered and clearly identified for each circuit.

Final documentation shall be submitted as a complete submittal package, i.e. record drawings, test results, inventory, etc. shall be submitted at the same time. Partial piecemeal submittals will be rejected without review. A total of five hardcopies and CDROMs of the final documentation shall be submitted.

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

- All light poles and light towers.
- Handholes and vaults.
- Conduit roadway crossings.
- Controllers.
- Control Buildings.
- Structures with electrical connections, i.e. DMS, lighted signs.
- Electric Service locations.
- CCTV Camera installations.
- Roadway Surveillance installations.
- Fiber Optic Splice Locations.
- All fiber optic slack locations shall be identified with quantity of slack cable included. When sequential cable markings are available, those markings shall be documented as cable marking into enclosure and marking out of enclosure.

Datum to be used shall be North American 1983.

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

1. District
2. Description of item
3. Designation
4. Use
5. Approximate station
6. Contract Number
7. Date
8. Owner
9. Latitude
10. Longitude
11. Comments

A spreadsheet template will be available from the Engineer for use by the Contractor.

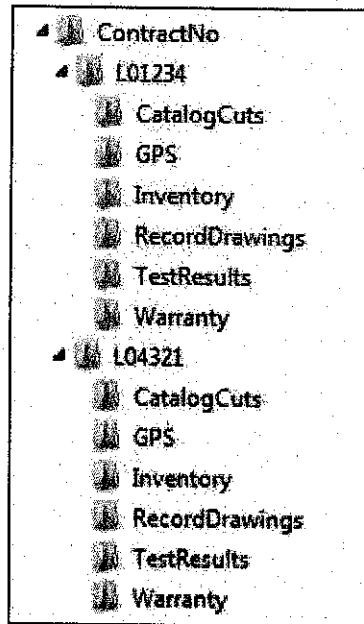
Prior to the collection of data, the contractor shall provide a sample data collection of at least six data points of known locations to be reviewed and verified by the Engineer to be accurate within 20 feet. Upon verification, data collection can begin. Data collection can be made as construction progresses, or can be collected after all items are installed. If the data is unacceptable the contractor shall make corrections to the data collection equipment and or process and submit the data for review and approval as specified. Data collection prior to the submittal and review of the sample data of existing data points will be unacceptable and rejected.

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

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

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

The documents on the CD shall be organized by the Electrical Maintenance Contract Management System (EMCMS) location designation. If multiple EMCMS locations are within the contract, separate folders shall be utilized for each location as follows:



Extraneous information not pertaining to the specific EMCMS location shall not be included in that particular folder and sub-folder.

The inspection will not be made until after the delivery of acceptable record drawings, specified certifications, and the required guarantees.

The Final Acceptance Documentation Checklist shall be completed and is contained elsewhere herein.

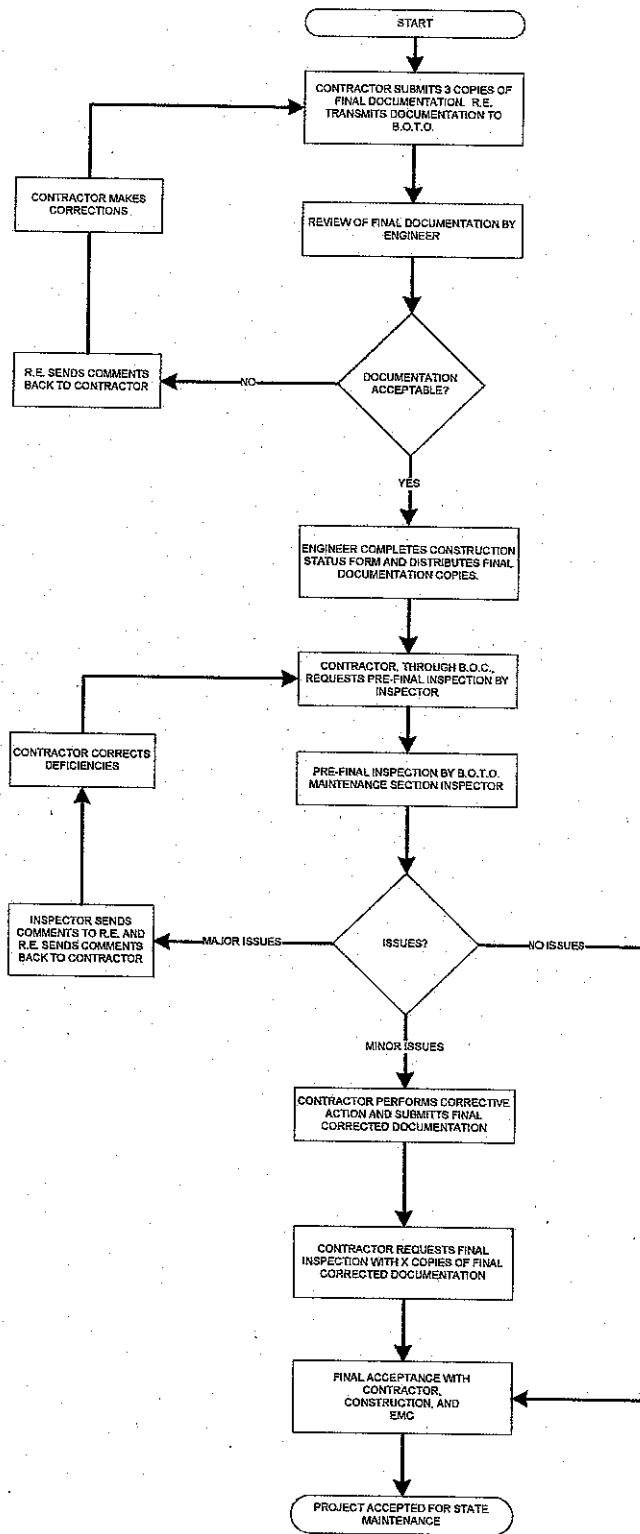
All CD's shall be labeled as illustrated in the CD Label Template contained herein.

**Acceptance.** Acceptance of electrical work will be given at the time when the Department assumes the responsibility to protect and maintain the work according to Article 107.30 or at the time of final inspection.

When the electrical work is complete, tested, and fully operational, the Contractor shall schedule an inspection for acceptance with the Engineer no less than seven working days prior to the desired inspection date. The Contractor shall furnish the necessary labor and equipment to make the inspection.

A written record of the test readings taken by the Contractor according to Article 801.13 shall be furnished to the Engineer seven working days before the date the inspection is scheduled. Inspection will not be made until after the delivery of acceptable record drawings, specified certifications, and the required guarantees.





Final Acceptance Documentation Checklist

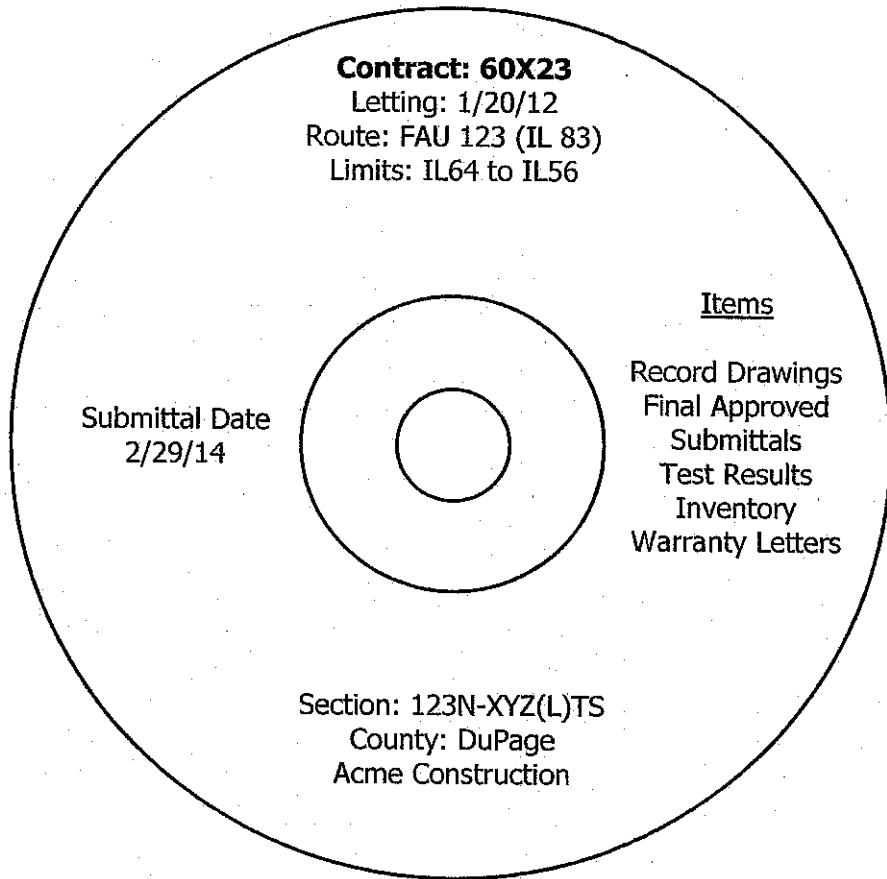
LOCATION	
Route	Common Name
Limits	Section
Contract #	County
Controller Designation(s)	EMC Database Location Number(s)

ITEM	Contractor (Verify)	Resident Engineer (Verify)
<b>Record Drawings</b>		
-Five hardcopies (11" x 17")	<input type="checkbox"/>	<input type="checkbox"/>
-Scanned to Five CD-ROMs	<input type="checkbox"/>	<input type="checkbox"/>
<b>Field Inspection Tests</b>		
-Voltage	<input type="checkbox"/>	<input type="checkbox"/>
-Amperage	<input type="checkbox"/>	<input type="checkbox"/>
-Cable Insulation Resistance	<input type="checkbox"/>	<input type="checkbox"/>
-Continuity	<input type="checkbox"/>	<input type="checkbox"/>
-Controller Ground Rod Resistance	<input type="checkbox"/>	<input type="checkbox"/>
<b>GPS Coordinates</b>		
-Excel file	<input type="checkbox"/>	<input type="checkbox"/>
<b>Job Warranty Letter</b>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Catalog Cut Submittals</b>		
-Approved & Approved as Noted	<input type="checkbox"/>	<input type="checkbox"/>
<b>Lighting Inventory Form</b>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Lighting Controller Inventory Form</b>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Light Tower Inspection Form (if applicable)</b>	<input type="checkbox"/>	<input type="checkbox"/>

Four Hardcopies & scanned to four CD's shall be submitted for all items above. The CD ROM shall be labeled as shown in the example contained herein.

CD LABEL FORMAT TEMPLATE.

Label must be printed; hand written labels are unacceptable and will be rejected.



SPECIAL PROVISION  
FOR  
UNDERGROUND RACEWAYS

Revise Article 810.04 of the Standard Specifications to read:

"Installation. All underground conduits shall have a minimum depth of 30-inches (700 mm) below the finished grade."

Add the following to Article 810.04 of the Standard Specifications:

"All metal conduit installed underground shall be Rigid Steel Conduit unless otherwise indicated on the plans."

Add the following to Article 810.04 of the Standard Specifications:

"All raceways which extend outside of a structure or duct bank but are not terminated in a cabinet, junction box, pull box, handhole, post, pole, or pedestal shall extend a minimum of 300 mm (12") or the length shown on the plans beyond the structure or duct bank. The end of this extension shall be capped and sealed with a cap designed for the conduit to be capped.

The ends of rigid metal conduit to be capped shall be threaded, the threads protected with full galvanizing, and capped with a threaded galvanized steel cap.

The ends of rigid nonmetallic conduit and coilable nonmetallic conduit shall be capped with a rigid PVC cap of not less than 3 mm (0.125") thick. The cap shall be sealed to the conduit using a room-temperature-vulcanizing (RTV) sealant compatible with the material of both the cap and the conduit. A washer or similar metal ring shall be glued to the inside center of the cap with epoxy, and the pull cord shall be tied to this ring."

**SPECIAL PROVISION  
FOR  
UNIT DUCT**

Revise the first paragraph of Article 810.04 to read:

"The unit duct shall be installed at a minimum depth of 30-inches (760 mm) unless otherwise directed by the Engineer."

Revise Article 1088.01(c) to read:

"(c) Coilable Nonmetallic Conduit.

General:

The duct shall be a plastic 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 duct shall be a plastic duct which is intended for underground use and 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 duct shall be made of high density polyethylene which shall meet the requirements of ASTM D 2447, for schedule 40. The duct shall be composed of black high density polyethylene meeting the requirements of ASTM D 3350, Class C, Grade P33. The wall thickness shall be in accordance with Table 2 for ASTM D 2447.

The duct shall be UL Listed per 651-B for continuous length HDPE coiled conduit. The duct shall also comply with NEC Article 354.100 and 354.120.

Submittal information shall demonstrate compliance with the details of these requirements.

Dimensions:

Duct dimensions shall conform to the standards listed in ASTM D2447. Submittal information shall demonstrate compliance with these requirements.

Nominal Size		Nominal I.D.		Nominal O.D.		Minimum Wall	
mm	in	mm	in	mm	in	mm	in
31.75	1.25	35.05	1.380	42.16	1.660	3.556 +0.51	0.140 +0.020
38.1	1.50	40.89	1.610	48.26	1.900	3.683 +0.51	0.145 +0.020

Nominal Size		Pulled Tensile	
mm	in	N	lbs
31.75	1.25	3322	747
38.1	1.50	3972	893

**Marking:**

As specified in NEMA Standard Publication No. TC-7, the duct shall be clearly and durably marked at least every 3.05 meters (10 feet) with the material designation (HDPE for high density polyethylene), nominal size of the duct and the name and/or trademark of the manufacturer.

**Performance Tests:**

Polyethylene Duct testing procedures and test results shall meet the requirements of UL 651. Certified copies of the test report shall be submitted to the Engineer prior to the installation of the duct. Duct crush test results shall meet or exceed the following requirements:

Duct Diameter		Min. force required to deform sample 50%	
mm	in	N	lbs
35	1.25	4937	1110
41	1.5	4559	1025

**SPECIAL PROVISION  
FOR  
MAINTENANCE OF LIGHTING SYSTEMS**

Replace Article 801.11 and 801.12 of the Standard Specifications with the following:

Effective the date the Contractor's activities (electrical or otherwise) at the job site begin, the Contractor shall be responsible for the proper operation and maintenance of all existing and proposed lighting systems which are part of, or which may be affected by the work until final acceptance or as otherwise determined by the Engineer.

Before performing any excavation, removal, or installation work (electrical or otherwise) at the site, the Contractor shall initiate a request for a maintenance transfer and preconstruction inspection, as specified elsewhere herein, to be held in the presence of the Engineer and a representative of the party or parties responsible for maintenance preconstruction inspection shall be made no less than seven (7) calendar days prior to the desired inspection date.

Existing lighting systems, when depicted on the plans, are intended only to indicate the general equipment installation of the systems involved and shall not be construed as an exact representation of the field conditions. It remains the Contractor's responsibility to visit the site to confirm and ascertain the exact condition of the electrical equipment and systems to be maintained.

**Maintenance of Existing Lighting Systems**

Existing lighting systems. Existing lighting systems shall be defined as any lighting system or part of a lighting system in service prior to this contract. The contract drawings indicate the general extent of any existing lighting, but whether indicated or not, it remains the Contractor's responsibility to ascertain the extent of effort required for compliance with these specifications and failure to do so will not be justification for extra payment or reduced responsibilities.

**Extent of Maintenance**

Partial Maintenance. Unless otherwise indicated, if the number of circuits affected by the contract is equal to or less than 40% of the total number of circuits in a given controller and the controller is not part of the contract work, the Contractor needs only to maintain the affected circuits. The affected circuits shall be isolated by means of in-line waterproof fuse holders as specified elsewhere and as approved by the Engineer.

Full Maintenance. If the number of circuits affected by the contract is greater than 40% of the total number of circuits in a given controller, or if the controller is modified in any way under the contract work, the Contractor shall maintain the entire controller and all associated circuits.

**Maintenance of Proposed Lighting Systems.**

Proposed Lighting Systems. Proposed lighting systems shall be defined as any lighting system or part of a lighting system which is to be constructed under this contract.

The Contractor shall be fully responsible for maintenance of all items installed under this contract. Maintenance shall include, but not be limited to, any equipment failures or malfunctions as well as equipment damage either by the motoring public, Contractor operations, or other means. The potential cost of replacing or repairing any malfunctioning or damaged equipment shall be included in the bid price of this item and will not be paid for separately.

### Lighting System Maintenance Operations

The Contractor's responsibility shall include all applicable responsibilities of the Electrical Maintenance Contract. These responsibilities shall include the maintenance of lighting units (including sign lighting), cable runs and lighting controls. In the case of a pole knockdown or sign light damage caused by normal vehicular traffic, the Contractor shall promptly clear the lighting unit and circuit discontinuity and restore the system to service.

Responsibilities shall also include weekly night-time patrol of the lighting system, with patrol reports filed immediately with the Engineer and with deficiencies corrected within 24 hours of the patrol. Patrol reports shall be presented on standard forms as designated by the Engineer. Uncorrected deficiencies may be designated by the Engineer as necessitating emergency repairs as described elsewhere herein.

The following chart lists the maximum response, service restoration, and permanent repair time the Contractor will be allowed to perform corrective action on specific lighting system equipment.

INCIDENT OR PROBLEM	SERVICE RESPONSE TIME	SERVICE RESTORATION TIME	PERMANENT REPAIR TIME
Control cabinet out	1 hour	4 hours	7 Calendar days
Hanging mast arm	1 hour to clear	NA	7 Calendar days
Radio problem	1 hour	4 hours	7 Calendar days
Motorist caused damage or leaning light pole 10 degrees or more	1 hour to clear	4 hours	7 Calendar days
Circuit out – Needs to reset breaker	1 hour	4 hours	NA
Circuit out – Cable trouble	1 hour	24 hours	21 Calendar days
Outage of 3 or more successive	1 hour	4 hours	NA
Outage of 75% of lights on one tower	1 hour	4 hours	NA
Outage of light nearest RR crossing approach, islands and gores	1 hour	4 hours	NA
Outage (single or multiple) found on night outage survey or reported to the Maintenance Contractor	NA	NA	7 Calendar days
Navigation light outage	NA	NA	24 hours



Service Response Time - amount of time from the initial notification to the Contractor until a patrolman physically arrives at the location.

Service Restoration Time - amount of time from the initial notification to the Contractor until the time the system is fully operational again. (In case of motorist caused damage the undamaged portions of the system are operational.)

Permanent Repair Time - amount of time from initial notification to the Contractor until the time permanent repairs are made if the Contractor was required to make temporary repairs to meet the service restoration requirement.

The Village 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. Unpaid bills will be deducted from any monies owed to the Contractor.

Damage caused by the Contractor's operations shall be repaired at no additional cost to the Contractor.

### Operation of Lighting

The lighting shall be operation every night, dusk to dawn. Duplicate lighting systems (such as temporary lighting and proposed new lighting) shall not be operated simultaneously. Lighting systems shall not be kept in operation during long daytime periods. The contractor shall demonstrate to the satisfaction of the Engineer that the lighting system is fully operational prior to submitting a pay request. Failure to do so will be grounds for denying the pay request.

Basis of Payment. Maintenance of lighting systems shall be paid for at the contract unit price per CALENDAR MONTH or fraction thereof for MAINTENANCE OF LIGHTING SYSTEM, which shall include all work as described herein.

**SPECIAL PROVISION  
FOR  
REMOVE ELECTRIC CABLE FROM CONDUIT, SPECIAL**

**Description.** This work shall consist of removing existing electric cable as described in Section 895 of the Standard Specification and as specified herein.

All existing electric cable removed from conduit shall remain the property of the Village of Schaumburg. It shall be delivered and unloaded at the Village of Schaumburg Public Works 714 Plum Grove Road, Schaumburg or as directed by the Engineer.

**Basis of Payment.** This work will be paid for at the contract unit price per foot for REMOVE ELECTRIC CABLE FROM CONDUIT, SPECIAL, and shall include all labor, material and equipment necessary to perform the work as specified in the plan documentation and as herein specified.

**SPECIAL PROVISION  
FOR  
REMOVAL OF LIGHTING UNIT, SALVAGE**

Description. This work shall consist of the removal of existing lighting units as described in Section 842 of the Standard Specification and as specified herein and shown in the contract plans.

The poles, mast arms, luminaires, and wires in the poles shall be removed and shall remain the property of the Village of Schaumburg. They shall be delivered and unloaded at the Village of Schaumburg Public Works 714 Plum Grove Road, Schaumburg or as directed by the Engineer.

Basis of Payment. This work will be paid for at the contract unit price per each for REMOVAL OF LIGHTING UNIT, SALVAGE, and shall include all labor, material and equipment necessary to perform the work as specified in the plan documentation and as herein specified.

**SPECIAL PROVISION  
FOR  
LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET**

Description. This work shall consist of excavating, constructing, and backfilling offset light pole foundations in accordance with Section 836 of the Standard Specifications except as specified herein, and in accordance with the details shown in the plans. Offset foundations shall be installed at locations where the utility conflict can be resolved by laterally offsetting the drilled shaft of the foundation.

The determination of foundation type shall be made in the field by the Engineer, based upon the actual locations of utilities. Payment will be made according to the quantity of each foundation type installed, and no additional compensation will be allowed for subtractions or additions to contract quantities for the various foundation types.

Excavation, including shoring, material disposal, and pumping, bailing or otherwise draining the excavated area shall not be paid for separately, but shall be included in the contract unit price for offset foundations.

Backfilling and thoroughly compacting material conforming to Article 1004 shall not be paid for separately, but shall be considered as included in the contract unit price for offset foundations. Concrete shall cure in accordance with Article 1020.13 before being backfilled.

Method of Measurement and Basis of Payment. Offset foundations will be measured for payment in accordance with Article 836.04 of the Standard Specifications, and paid at the contract unit price per foot for LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET.

**SPECIAL PROVISION  
FOR  
RELOCATE EXISTING LIGHTING UNIT, SPECIAL**

**Description.** This work shall consist of removing an existing lighting unit, storing it and reinstalling it according to applicable portions of Section 844 of the Standard Specification, as shown on the contract plans, and as specified herein.

The existing lighting unit will be disconnected, removed, and stored in a secure location. The Contractor will coordinate and provide storage for the existing lighting unit. Any damage sustained to the lighting unit during removal, storage or reinstallation will be repaired or replaced in kind to the satisfaction of the Engineer.

**Basis of Payment.** This work shall be paid for at the contract unit price per each for RELOCATE EXISTING LIGHTING UNIT, SPECIAL, which price shall include all labor, equipment, and material to complete the work as specified herein.

**SPECIAL PROVISION  
FOR  
LIGHT POLE FOUNDATION, METAL, CIRCULAR BASEPLATE, 12" BOLT CIRCLE, 8 5/8" X 6'**

Description. This work shall consist of furnishing and installing a metal light pole foundation according to applicable portions of Section 836 of the Standard Specification, as shown on the contract plans, and as specified herein.

The baseplate of the helix metal foundation will be round with 17 ½" diameter and 1" thick. The bolt circle is 12" diameter. There shall be 2 slotted cableway openings at 180 degrees apart. The Contractor shall verify bolt circle prior to ordering material. The manufacturer shall be Component Products Inc. No substitutions will be allowed without Village approval.

Basis of Payment. This work shall be paid for at the contract unit price per each for LIGHT POLE FOUNDATION, METAL, CIRCULAR BASEPLATE, 12" BOLT CIRCLE, 8 5/8" X 6', which price shall include all labor, equipment, and material to complete the work as specified herein.

**SPECIAL PROVISION  
FOR  
REMOVAL OF POLE FOUNDATION**

**Description.** This work shall consist of the removal and disposal of existing lighting foundations according to Section 842 of the Standard Specification and as herein specified.

The existing concrete foundations shall be completely removed. The removed material shall be disposed of according to Article 202.03 and the void caused by the removal of the foundation shall be backfilled according to Article 819.04. Metal foundations removed shall remain the property of the Village of Schaumburg. They shall be delivered and unloaded at the Village of Schaumburg Public Works 714 Plum Grove Road, Schaumburg or as directed by the Engineer.

**Basis of Payment.** This work shall be paid for at the contract unit price per each for REMOVAL OF POLE FOUNDATION, which price shall include all labor, material and equipment necessary to perform the work as specified herein.

**SPECIAL PROVISION  
FOR  
REMOVE EXISTING HANDHOLE**

**Description.** This work shall consist of the removal of existing handhole as described in Section 895 of the Standard Specification, as specified herein, and shown in the contract plans.

**Basis of Payment.** This work will be paid for at the contract unit price per each for REMOVE EXISTING HANDHOLE, and shall include all labor, material and equipment necessary to perform the work as specified in the plan documentation and as herein specified.



**SPECIAL PROVISION  
FOR  
TEMPORARY SIDEWALK**

Description. This work shall consist of constructing temporary sidewalks and sidewalk accessibility ramps on a prepared subgrade in order to provide ADA-compliant routes for pedestrians through the construction work zone at the locations shown on the plans or where directed by the Engineer.

Temporary sidewalks shall be constructed of Hot-Mix Asphalt Surface Course, Mix D, N50 with a minimum compacted thickness of 3 inches. This work shall be constructed in accordance with the applicable portions of Section 406 of the Standard Specifications and as directed by the Engineer. The material shall conform to the applicable portions of Section 1030 of the Standard Specifications. The subgrade shall be prepared in accordance with Section 424.04 of the Standard Specifications. Detectable warnings shall be installed in accordance with Section 424.09 of the Standard Specifications and the Highway Standards included in the plans.

Stone shall not be required when the temporary sidewalk is constructed outside the limits of the proposed pavement. All stone required to construct the temporary sidewalks through the areas that will be paved shall be included in the cost of CRUSHED STONE (TEMPORARY USE).

Method of Measurement. This work will be measured for payment in place and the area computed in square feet. No deduction will be made for detectable warnings located within ramps.

Detectable warnings will be measured for payment in place and the area computed in square feet.

Earth excavation will be measured for payment according to Article 202.07.

Basis of Payment. This work shall be paid for at the contract unit price per Square Foot for TEMPORARY SIDEWALK, which price shall include the removal of the temporary sidewalk and detectable warnings.

Furnishing and installing detectable warnings will be paid for at the contract unit price per square foot for DETECTABLE WARNINGS.

Earth excavation will be paid for according to Article 202.08.

**SPECIAL PROVISION  
FOR  
TEMPORARY ADA RAMP**

Description. This work shall consist of constructing a temporary ADA-compliant ramp at locations where the existing curb is not shown to be removed. The ramp may be a prefabricated system or a ramp constructed on site. Regardless of the method chosen, the Contractor shall be responsible for ensuring that the installed system meets all ADA requirements.

The Contractor shall submit catalog cuts or detailed drawings of the proposed system to the Engineer for approval prior to ordering or installation.

If the existing curb is damaged, the Contractor shall remove and replace the curb or curb and gutter to the satisfaction of the Engineer at no cost to the contract.

Basis of Payment. This work shall be paid for at the contract unit price per Each for TEMPORARY ADA RAMP, which price shall include all equipment, materials, and labor required to install and remove the ramps.

**SPECIAL PROVISION  
FOR  
LUMINAIRE, TYPE 1**

**Description.** This work shall consist of furnishing and installing LED luminaire as specified herein. The luminaires shall be the Autobahn Series ATB2 by American Electric Lighting. The luminaire catalog number is ATB2\_80BLEDE85\_MVOLT\_R3.

**Materials.** Material for the LED luminaire shall be according to the following.

**Optics**

- IP66 rated
- Type III light distribution per IESNA classification.

**Performance**

- Rated for -40°C to 40°C ambient air temperature range
- Color temperature of 4000K
- Fixture wattage of 224 watts

**Electronic Drivers**

- Performance package for Luminaire Installation is 224 watt luminaire, 80B LED chips with drive current of 850 mA and 25,955 lumens.
- LED light engines are rated > 100,000 hours at 25°C, L70. Electric driver has a rated life of 100,000 hours at a 25°C ambient.
- IEEE/ANSI C62.41 Category C (10kV/5kV) level of surge protection.
- Multi-volt, 120-277V

**Housing**

- Autobahn Series ATB2 is 31" long x 14" wide x 4" high with an approximate weight of 21 lbs.
- Die cast aluminum housing.
- Color: Black (color must be approved with local agencies before purchasing)
- The luminaire shall include a fully prewired, 7 pin twist lock ANSI C136-41 – compliant receptacle. Unused pins shall be connected as directed by the Manufacturer and approved by the Engineer. A shorting cap shall be provided with the luminaire.
- All luminaires shall be vibration tested and pass ANSI C136.31 requirements. Luminaires shall be rated for "3G" peak acceleration. Vibration testing shall be run using the same luminaire in all three axes.

**Finish**

- Housing is polyester powder-coated for durability and corrosion resistance.
- Rigorous five-stage pre-treating and painting process yields a finish that achieves a scribe creepage rating of 8 (per ASTM D1654) after over 1,000 hours exposure to salt fog chamber (operate per ASTM B117)

**Warranty**

- All electrical components warranted for 5 years minimum

**Installation.** Each luminaire shall be installed according to the luminaire manufacturer's recommendations.

Luminaires which are pole mounted shall be mounted on site such that poles and arms are not left unloaded. Pole mounted luminaires shall be leveled/adjusted after poles are set and vertically aligned before being energized. When mounted on a tenon, care shall be exercised to assure maximum insertion of the mounting tenon. Each luminaire shall be checked to assure compatibility with the project power system. When the night-time check of the lighting system by the Engineer indicates that any luminaires are mis-aligned, the mis-aligned luminaires shall be corrected at no additional cost.

Pole wiring shall be provided with the luminaire. Pole wire shall run from handhole to luminaire.

Pole wire shall be sized No. 10, rated 600 V, RHW/USE-2, and have copper conductors, stranded in conformance with ASTM B 8. Pole wire shall be insulated with cross-linked polyethylene (XLP) insulation. Wire shall be trained within the pole or sign structure so as to avoid abrasion or damage to the insulation.

Pole wire shall be extended through the pole, pole grommet, luminaire ring, and any associated arm and tenon. The pole wire shall be terminated in a manner that avoids sharp kinks, pinching, pressure on the insulation, or any other arrangement prone to damaging insulation value and producing poor megger test results. Wires shall be trained away from heat sources within the luminaire. Wires shall be terminated so all strands are extended to the full depth of the terminal lug with the insulation removed far enough so it abuts against the shoulder of the lug, but is not compressed as the lug is tightened.

Each luminaire and optical assembly shall be free of all dirt, smudges, etc. Should the optical assembly require cleaning, a luminaire manufacturer approved cleaning procedure shall be used.

Horizontal mount luminaires shall be installed in a level, horizontal plane, with adjustments as needed to insure the optics are set perpendicular to the traveled roadway.

When the pole is bridge mounted, a minimum size stainless steel 1/4-20NC set screw shall be provided to secure the luminaire to the mast arm tenon. A hole shall be drilled and tapped through the tenon and luminaire mounting bracket and then fitted with the screw.

Basis of Payment. This work will be paid for at the contract unit price per each as LUMINAIRE, TYPE 1, as specified in the contract plans which shall include all labor, material and equipment necessary to complete the work as specified.



**COUNTY OF COOK**  
**CHICAGO, ILLINOIS**

**PROPOSAL**

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

known as Roselle Road

Route V60 Section 14-V6039-02-TL

At Schaumburg Road

**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.

CH V60 (Roselle Road) – At Schaumburg Road

**DESCRIPTION OF IMPROVEMENT**

It is the intent of this contract to provide for the construction of a right turn lane along southbound Roselle Road to westbound Schaumburg Road. The 10 foot wide right turn lane will use a 175 foot taper and provide 300 feet of storage. The existing concrete curb and gutter and sidewalk shall be completely removed. The turn lane will be constructed adjacent to the existing pavement and shall be P.C. Concrete Pavement (10 Inch) along with a 12 inch Aggregate Subgrade in order to match the existing pavement. New concrete curb and gutter and sidewalk shall be constructed outside of the turn lane. Also included is the removal and replacement of existing drainage structures, traffic signal modification at Roselle Road and Schaumburg Road, street lighting modifications, pavement markings, signing, pedestrian crossing upgrades, traffic protection and all other work as required to complete the improvement.

**Insert**

**IDOT Certificate of Eligibility**



# Illinois Department of Transportation

## Certificate of Eligibility

A. Lamp Concrete Contractors, Inc.  
1900 Wright Boulevard Schaumburg, IL 60193

Contractor No 3315

WHO HAS FILED WITH THE DEPARTMENT AN APPLICATION FOR PREQUALIFICATION STATEMENT OF EXPERIENCE, EQUIPMENT AND FINANCIAL CONDITION IS HEREBY QUALIFIED TO BID AT ANY OF DEPARTMENT OF TRANSPORTATION LETTINGS IN THE CLASSES OF WORK AND WITHIN THE AMOUNT AND OTHER LIMITATIONS OF EACH CLASSIFICATION, AS LISTED BELOW, FOR SUCH PERIOD AS THE UNCOMPLETED WORK FROM ALL SOURCES DOES NOT EXCEED

001	EARTHWORK	\$14,700,000	
002	PCC PAVING	\$11,700,000	
005	HMA PAVING	\$11,400,000	B
012	DRAINAGE	\$20,825,000	
017	CONCRETE CONSTRUCTION	\$19,025,000	
018	LANDSCAPING	\$3,000,000	
032	COLD MILL PLAN. & ROTOMILL	\$6,775,000	
08A	AGGREGATE BASES & SURF. (A)	\$5,000,000	

\$139,550,000.00

THIS CERTIFICATE OF ELIGIBILITY IS VALID FROM 5/3/2016 TO 4/30/2017 INCLUSIVE, AND SUPERSEDES ANY CERTIFICATE PREVIOUSLY ISSUED, BUT IS SUBJECT TO REVISION OR REVOCATION, IF AND WHEN CHANGES IN THE FINANCIAL CONDITION OF THE CONTRACTING FIRM OR OTHER FACTS JUSTIFY SUCH REVISIONS OR REVOCATION. ISSUED AT SPRINGFIELD, ILLINOIS ON 5/3/2016.

B Restricted to 1200 tons in any 1 contract (Class I and/or BMM) or as specified by local agency

*Jim Bell*

Interim Engineer of Construction

**Insert**

**IDOT Certificate of Availability**





**Illinois Department of Transportation**

Bureau of Construction  
2300 South Dirksen Parkway/Room 322  
Springfield, Illinois 62764

**Affidavit of Availability  
For the Letting of \_\_\_\_\_**

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

**Part I. Work Under Contract**

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE

	1	2	3	4	5	
Contract Number	63882	1523-14660	15-185-DT			
Contract With	IDOT	CCDoTH	DuPage County	CLAYCO	Villa Park	
Estimated Completion Date	11/21/2016	8/26/2016	6/30/2016	8/1/2016	9/15/2016	
Total Contract Price	\$ 18,148,372.17	\$ 893,404.10	\$ 406,890.00	\$ 549,289.00	\$ 1,397,533.16	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	\$ 3,245,820.00	\$ -	\$ -	\$ -	\$ -	\$ 3,245,820.00
Uncompleted Dollar Value if Firm is the Subcontractor						\$ -
<b>Total Value of All Work</b>						<b>\$ 3,245,820.00</b>

**Part II. Awards Pending and Uncompleted Work to be done with your own forces.**

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE

						Accumulated Totals
Earthwork	\$ 240,000.00	\$ -				\$ 240,000.00
Portland Cement Concrete Paving	\$ -				\$ -	\$ -
HMA Plant Mix		\$ -	\$ -			\$ -
HMA Paving	\$ 80,000.00	\$ -	\$ -		\$ -	\$ 80,000.00
Clean & Seal Cracks/ Joints					\$ -	\$ -
Aggregate Bases & Surfaces	\$ 110,000.00	\$ -				\$ 110,000.00
Highway, R.R. & Water Structures			\$ -	\$ -		\$ -
Drainage	\$ 30,000.00	\$ -				\$ 30,000.00
Electrical					\$ -	\$ -
Cover and Seal Coats						\$ -
Concrete Construction	\$ 230,000.00	\$ -	\$ -	\$ -		\$ 230,000.00
Landscaping	\$ 90,000.00	\$ -			\$ -	\$ 90,000.00
Fencing					\$ -	\$ -
Guardrail						\$ -
Painting						\$ -
Signing						\$ -
Cold Milling, Planning & Rotomilling	\$ 30,000.00	\$ -	\$ -			\$ 30,000.00
Demolition		\$ -			\$ -	\$ -
Pavement Markings (Paint)						\$ -
Other Construction (List)	\$ 210,000.00	\$ -	\$ -	\$ -		\$ 210,000.00
<b>Totals</b>	<b>\$ 1,020,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 1,020,000.00</b>

Disclosure of this information is **REQUIRED** to accomplish the statutory purpose as outlined in the "Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization to Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	5
Subcontractor					
Type of Work	fence/guardrail	crackseal	full depth rec		boring
Subcontract Price	\$ 94,468.00	\$ 3,760.00	\$ 83,614.27	\$ -	\$ 87,040.00
Amount Uncompleted	\$ 70,000.00	\$ -	\$ -	\$ -	\$ -
Subcontractor					
Type of Work	boring	striping	striping		fencing
Subcontract Price	\$ 39,000.00	\$ 13,461.00	\$ 6,499.85		\$ 2,000.00
Amount Uncompleted	\$ -	\$ -	\$ -	\$ -	\$ -
Subcontractor					
Type of Work	bridge work				layout
Subcontract Price	\$ 3,152,470.59				\$ 35,000.00
Amount Uncompleted	\$ 250,000.00		\$ -	\$ -	\$ -
Subcontractor					
Type of Work	cipp				site video
Subcontract Price	\$ 243,726.70				\$ 3,950.00
Amount Uncompleted	\$ 10,000.00		\$ -	\$ -	\$ -
Subcontractor					
Type of Work	diamond grind				striping
Subcontract Price	\$ 31,695.00				\$ 4,790.00
Amount Uncompleted	\$ 10,000.00			\$ -	\$ -
Subcontractor					
Type of Work	electrical				tree care
Subcontract Price	\$ 2,829,981.40				\$ 7,765.00
Amount Uncompleted	\$ 1,100,000.00		\$ -	\$ -	\$ -
Subcontractor					
Type of Work	impact attn				
Subcontract Price	\$ 9,700.00				
Amount Uncompleted	\$ 7,000.00		\$ -	\$ -	\$ -
Subcontractor					
Type of Work	irrigation				
Subcontract Price	\$ 30,000.00				
Amount Uncompleted	\$ 30,000.00				
Subcontractor					
Type of Work	landscaping				
Subcontract Price	\$ 8,820.00				
Amount Uncompleted	\$ 8,820.00				
Subcontractor					
Type of Work	layout				
Subcontract Price	\$ 150,000.00				
Amount Uncompleted	\$ 20,000.00				

Subcontractor					
Type of Work	line stops				
Subcontract Price	\$ 12,500.00				
Amount Uncompleted	\$ -				
Subcontractor					
Type of Work	san service lining				
Subcontract Price	\$ 303,800.00				
Amount Uncompleted	\$ 10,000.00				
Subcontractor					
Type of Work	sew cleaning				
Subcontract Price	\$ 7,000.00				
Amount Uncompleted	\$ 5,000.00				
Subcontractor					
Type of Work	signage				
Subcontract Price	\$ 89,854.00				
Amount Uncompleted	\$ 40,000.00				
Subcontractor					
Type of Work	non-spl/spl waste				
Subcontract Price	\$ 166,420.00				
Amount Uncompleted	\$ 10,000.00				
Subcontractor					
Type of Work	striping				
Subcontract Price	\$ 251,567.95				
Amount Uncompleted	\$ 50,000.00				
Subcontractor					
Type of Work	tree care				
Subcontract Price	\$ 16,510.00				
Amount Uncompleted	\$ 5,000.00				
Subcontractor					
Type of Work	asphalt paving asphalt				
Subcontract Price	\$ 950,000.00				
Amount Uncompleted	\$ 600,000.00				
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor			\$ -		
Type of Work					
Subcontract Price			\$ -	\$ -	
Amount Uncompleted			\$ -	\$ -	
Total Uncompleted	\$ 2,225,820.00	\$ -	\$ -	\$ -	\$ -
Totals	\$ 8,387,513.64	\$ 17,221.00	\$ 90,114.12	\$ -	\$ 140,545.00



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**Part I. Work Under Contract**

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	6	7	8	9	10	
Contract Number	61B53	61B97		61B33	V15-07	
Contract With	IDOT	IDOT	Stone Park	IDOT	Niles	
Estimated Completion Date	75 wrk day	55 wrk day	30 wrk day	10/15/2016	8/10/2016	
Total Contract Price	\$ 2,290,529.53	\$ 769,868.70	\$ 116,789.50	\$ 5,560,853.64	\$ 1,033,392.50	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	\$ -	\$ -	\$ -	\$ 342,462.00	\$ 25,000.00	\$ 367,462.00
Uncompleted Dollar Value if Firm is the Subcontractor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Value of All Work</b>						<b>\$ 367,462.00</b>

**Part II. Awards Pending and Uncompleted Work to be done with your own forces.**

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE

						Accumulated Totals
Earthwork	\$ -	\$ -	\$ -	\$ 5,000.00	\$ 5,000.00	\$ 10,000.00
Portland Cement Concrete Paving		\$ -				\$ -
HMA Plant Mix						\$ -
HMA Paving	\$ -	\$ -	\$ -			\$ -
Clean & Seal Cracks/ Joints						\$ -
Aggregate Bases & Surfaces	\$ -	\$ -	\$ -			\$ -
Highway, R.R. & Water Structures		\$ -				\$ -
Drainage	\$ -	\$ -	\$ -			\$ -
Electrical			\$ -		\$ -	\$ -
Cover and Seal Coats						\$ -
Concrete Construction	\$ -	\$ -	\$ -			\$ -
Landscaping	\$ -	\$ -	\$ -		\$ 15,000.00	\$ 15,000.00
Fencing				\$ 10,000.00		\$ 10,000.00
Guardrail						\$ -
Painting						\$ -
Signing						\$ -
Cold Milling, Planning & Rotomilling	\$ -	\$ -	\$ -	\$ 21,402.00		\$ 21,402.00
Demolition		\$ -	\$ -		\$ -	\$ -
Pavement Markings (Paint)						\$ -
Other Construction (List)	\$ -	\$ -	\$ -	\$ 10,000.00	\$ 5,000.00	\$ 15,000.00
<b>Totals</b>	\$ -	\$ -	\$ -	\$ 46,402.00	\$ 25,000.00	\$ 71,402.00

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	6	7	8	9	10
Subcontractor					
Type of Work	brick paving	ARCCT	striping	Striping	Landscaping
Subcontract Price	\$ 340,644.15	\$ 14,874.00	\$ 4,000.00	\$ 47,432.75	\$ 4,500.00
Amount Uncompleted	\$ -	\$ -	\$ -	\$ -	\$ -
Subcontractor					
Type of Work	electrical	concrete		Electrical	Irrigation
Subcontract Price	\$ 257,885.00	\$ 89,842.00		\$ 1,111,883.45	\$ 5,500.00
Amount Uncompleted	\$ -	\$ -		\$ 280,000.00	\$ -
Subcontractor					
Type of Work	irrigation	electrical		Fencing	Layout
Subcontract Price	\$ 81,196.50	\$ 2,135.00		\$ 6,060.00	\$ 11,500.00
Amount Uncompleted	\$ -	\$ -		\$ 6,060.00	\$ -
Subcontractor					
Type of Work	landscaping	traffic control		Landscaping	Striping
Subcontract Price	\$ 15,637.60	\$ 67,240.00		\$ 15,266.29	\$ 4,099.00
Amount Uncompleted	\$ -	\$ -		\$ 10,000.00	\$ -
Subcontractor					
Type of Work	layout			Layout	Tree Care
Subcontract Price	\$ 50,000.00			\$ 40,000.00	\$ 750.00
Amount Uncompleted	\$ -			\$ -	\$ -
Subcontractor					
Type of Work	masonry			Reclamation/Stabil	
Subcontract Price	\$ 258,500.00			\$ 227,265.05	
Amount Uncompleted	\$ -			\$ -	\$ -
Subcontractor					
Type of Work	striping & signs			Structural Concrete	
Subcontract Price	\$ 34,920.48			\$ 226,000.00	
Amount Uncompleted	\$ -			\$ -	\$ -
Subcontractor					
Type of Work	tree care			Tree Care	
Subcontract Price	\$ 7,300.00			\$ 11,042.50	\$ -
Amount Uncompleted	\$ -			\$ -	\$ -
Total Uncompleted	\$ -	\$ -	\$ -	\$ 296,060.00	\$ -
Totals	\$ 1,046,083.73	\$ 174,091.00	\$ 4,000.00	\$ 1,684,950.04	\$ 26,349.00



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**Part I. Work Under Contract**

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	11	12	13	14	15	
Contract Number		61A72			PA059	
Contract With	Buffalo Grove	IDOT	Libertyville	Elgin	RW Dunteman	
Estimated Completion Date	7/1/2015	8/7/2015	10/28/2016	11/30/2016		
Total Contract Price	\$ 2,105,070.58	\$ 2,595,377.23	\$ 3,585,711.11	\$ 1,368,368.98	\$ 293,536.75	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	\$ -	\$ -	\$ 5,000.00	\$ 5,000.00	\$ -	\$ 10,000.00
Uncompleted Dollar Value if Firm is the Subcontractor						\$ -
<b>Total Value of All Work</b>						<b>\$ 10,000.00</b>

**Part II. Awards Pending and Uncompleted Work to be done with your own forces.**

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						Accumulated Totals
Earthwork	\$ -	\$ -	\$ -	\$ -		\$ -
Portland Cement Concrete Paving		\$ -				\$ -
HMA Plant Mix						\$ -
HMA Paving	\$ -	\$ -	\$ -	\$ -		\$ -
Clean & Seal Cracks/ Joints						\$ -
Aggregate Bases & Surfaces	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Highway, R.R. & Water Structures						\$ -
Drainage	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electrical						\$ -
Cover and Seal Coats						\$ -
Concrete Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Landscaping	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fencing						\$ -
Guardrail						\$ -
Painting						\$ -
Signing						\$ -
Cold Milling, Planning & Rotomilling		\$ -	\$ -	\$ -	\$ -	\$ -
Demolition						\$ -
Pavement Markings (Paint)						\$ -
Other Construction (List)	\$ -	\$ -	\$ 5,000.00	\$ 5,000.00	\$ -	\$ 10,000.00
						\$ -
<b>Totals</b>	\$ -	\$ -	\$ 5,000.00	\$ 5,000.00	\$ -	\$ 10,000.00

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization to Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	11	12	13	14	15
Subcontractor					
Type of Work	Tree Care	Electrical	Asphalt Paving	Layout	
Subcontract Price	\$ 8,347.00	\$ 128,655.00	\$ 980,767.11	\$ 5,000.00	
Amount Uncompleted	\$ -	\$ -	\$ -	\$ -	
Subcontractor					
Type of Work		Guardrail	Pavement Marking	Pavement Marking	
Subcontract Price		\$ 18,195.00	\$ 10,757.00	\$ 3,276.00	
Amount Uncompleted		\$ -	\$ -	\$ -	
Subcontractor					
Type of Work		HMA Pvmt	Electrical		
Subcontract Price		\$ 755,376.53	\$ 2,000.00		
Amount Uncompleted		\$ -	\$ -	\$ -	
Subcontractor					
Type of Work		Landscaping	Layout		
Subcontract Price		\$ 200,212.50	\$ 5,000.00		
Amount Uncompleted		\$ -	\$ -		
Subcontractor					
Type of Work		Signage			
Subcontract Price		\$ 18,930.00			
Amount Uncompleted		\$ -	\$ -		
Subcontractor					
Type of Work		Striping			
Subcontract Price		\$ 27,655.80			
Amount Uncompleted		\$ -			
Subcontractor					
Type of Work		Tree Care			
Subcontract Price		\$ 12,960.00			
Amount Uncompleted		\$ -			
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted			\$ -		
Total Uncompleted	\$ -	\$ -	\$ -	\$ -	\$ -
Totals	\$ 8,347.00	\$ 1,161,984.83	\$ 998,524.11	\$ 8,276.00	\$ -



**Illinois Department of Transportation**

Bureau of Construction  
2300 South Dirksen Parkway/Room 322  
Springfield, Illinois 62764

Affidavit of Availability  
For the Letting of 01/00/00

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

**Part I. Work Under Contract**

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE

	16	17	18	19	20	
Contract Number			61B24	61B78	61C32	
Contract With	Northlake	Vernon Hills	IDOT	IDOT	IDOT	
Estimated Completion Date	8/1/2016	45 Wrk Day	50 Wrk Day	55 Wrk Day	10/31/2016	
Total Contract Price	\$ 3,426,450.40	\$ 569,925.98	\$ 485,258.50	\$ 1,699,900.00	\$ 11,173,775.42	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	\$ -	\$ -	\$ 5,000.00	\$ 420,880.00	\$ 1,176,450.00	\$ 1,602,330.00
Uncompleted Dollar Value if Firm is the Subcontractor						\$ -
<b>Total Value of All Work</b>						<b>\$ 1,602,330.00</b>

**Part II. Awards Pending and Uncompleted Work to be done with your own forces.**

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE

						Accumulated Totals
Earthwork	\$ -	\$ -	\$ -	\$ 40,000.00	\$ 15,000.00	\$ 55,000.00
Portland Cement Concrete Paving	\$ -				\$ 0.00	\$ -
HMA Plant Mix						\$ -
HMA Paving	\$ -	\$ -	\$ -	\$ 5,000.00	\$ -	\$ 5,000.00
Clean & Seal Cracks/ Joints						\$ -
Aggregate Bases & Surfaces	\$ -	\$ -	\$ -	\$ 20,000.00	\$ 5,000.00	\$ 25,000.00
Highway, R.R. & Water Structures						\$ -
Drainage	\$ -	\$ -	\$ -	\$ 5,000.00	\$ -	\$ 5,000.00
Electrical						\$ -
Cover and Seal Coats						\$ -
Concrete Construction	\$ -	\$ -	\$ -	\$ 5,000.00	\$ 20,000.00	\$ 25,000.00
Landscaping	\$ -	\$ -	\$ -	\$ 10,000.00	\$ 20,000.00	\$ 30,000.00
Fencing						\$ -
Guardrail						\$ -
Painting						\$ -
Signing						\$ -
Cold Milling, Planning & Rotomilling	\$ -	\$ -	\$ -	\$ 25,400.00	\$ 35,000.00	\$ 60,400.00
Demolition					\$ 0.00	\$ -
Pavement Markings (Paint)						\$ -
Other Construction (List)	\$ -	\$ -	\$ 5,000.00	\$ 20,000.00	\$ 20,000.00	\$ 45,000.00
						\$ -
<b>Totals</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,000.00</b>	<b>\$ 130,400.00</b>	<b>\$ 115,000.00</b>	<b>\$ 250,400.00</b>

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	16	17	18	19	20
Subcontractor					
Type of Work	ARCCT	Striping	Retaining Wall	Electrical	Bridge
Subcontract Price	\$ 41,404.00	\$ 8,983.00	\$ 45,600.00	\$ 188,723.15	\$ 271,021.00
Amount Uncompleted	\$ -	\$ -	\$ -	\$ 50,000.00	\$ 0.00
Subcontractor					
Type of Work	Augering	HMA Paving	Striping	Fencing	CIPP
Subcontract Price	\$ 26,000.00	\$ 230,732.25	\$ 2,475.00	\$ 138,332.50	\$ 234,750.00
Amount Uncompleted	\$ -	\$ -	\$ -	\$ 138,332.50	\$ 234,750.00
Subcontractor					
Type of Work	CIPP		Tree Care	Striping	Electrical
Subcontract Price	\$ 79,144.00		\$ 4,848.00	\$ 52,147.50	\$ 3,225,548.03
Amount Uncompleted	\$ -		\$ -	\$ 52,147.50	\$ 700,000.00
Subcontractor					
Type of Work	Striping			Special Waste	Fencing
Subcontract Price	\$ 6,235.40			\$ 190,145.00	\$ 28,810.00
Amount Uncompleted	\$ -		\$ -	\$ 50,000.00	\$ 0.00
Subcontractor					
Type of Work				Tree Care	Striping
Subcontract Price				\$ 7,368.75	\$ 70,042.29
Amount Uncompleted				\$ -	\$ 0.00
Subcontractor					
Type of Work					Special Waste
Subcontract Price					\$ 151,300.00
Amount Uncompleted			\$ -		\$ 0.00
Subcontractor					
Type of Work					Tree Care
Subcontract Price					\$ 11,892.00
Amount Uncompleted			\$ -		\$ 0.00
Subcontractor					
Type of Work					Landscaping
Subcontract Price					\$ 126,700.00
Amount Uncompleted					\$ 126,700.00
Total Uncompleted	\$ -	\$ -	\$ -	\$ 290,480.00	\$ 1,061,450.00
Totals	\$ 152,783.40	\$ 239,715.25	\$ 52,923.00	\$ 576,716.90	\$ 4,120,063.32



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**Part I. Work Under Contract**

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE

	21	22	23	24	25	
Contract Number						
Contract With	Hanover Park	Winnetka	Morton Grove	Hoffman Estates	LCDOT	
Estimated Completion Date	8/30/2016	7/31/2016	7/4/2016	11/23/2016	8/20/2016	
Total Contract Price	\$ 226,906.30	\$ 1,663,866.55	\$ 312,044.65	\$ 5,549,574.73	\$ 157,651.00	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Uncompleted Dollar Value if Firm is the Subcontractor						\$ -
<b>Total Value of All Work</b>						\$ -

**Part II. Awards Pending and Uncompleted Work to be done with your own forces.**

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE

						Accumulated Totals
Earthwork	\$ -	\$ 0.00	\$ -	\$ -	\$ 0.00	\$ -
Portland Cement Concrete Paving					\$ 0.00	\$ -
HMA Plant Mix						\$ -
HMA Paving	\$ -	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ -
Clean & Seal Cracks/ Joints					\$ 0.00	\$ -
Aggregate Bases & Surfaces	\$ -	\$ -	\$ -	\$ -		\$ -
Highway, R.R. & Water Structures						\$ -
Drainage	\$ -	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ -
Electrical					\$ 0.00	\$ -
Cover and Seal Coats						\$ -
Concrete Construction	\$ -	\$ 0.00	\$ 0.00			\$ -
Landscaping	\$ -	\$ 0.00	\$ -	\$ 0.00	\$ 0.00	\$ -
Fencing				\$ 0.00		\$ -
Guardrail						\$ -
Painting						\$ -
Signing			\$ -			\$ -
Cold Milling, Planning & Rotomilling	\$ -	\$ 0.00	\$ -	\$ 0.00		\$ -
Demolition			\$ -	\$ 0.00		\$ -
Pavement Markings (Paint)	\$ -					\$ -
Other Construction (List)	\$ -	\$ 0.00	\$ -	\$ 0.00	\$ 0.00	\$ -
						\$ -
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	21	22	23	24	25
Subcontractor					
Type of Work		Striping	Fencing	Electrical	
Subcontract Price		\$ 34,074.30	\$ 11,010.00	\$ 23,473.90	
Amount Uncompleted		\$ -	\$ -	\$ -	
Subcontractor					
Type of Work			Layout	Striping	
Subcontract Price			\$ 20,000.00	\$ 9,720.59	
Amount Uncompleted			\$ -	\$ 0.00	
Subcontractor					
Type of Work			Striping	Tree Care	
Subcontract Price			\$ 500.00	\$ 21,384.00	
Amount Uncompleted			\$ -	\$ 0.00	
Subcontractor					
Type of Work			Tree Care		
Subcontract Price			\$ 400.00		
Amount Uncompleted			\$ -		
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	\$ -	\$ -	\$ -	\$ -	\$ -
Totals	\$ -	\$ 34,074.30	\$ 31,910.00	\$ 54,578.49	\$ -

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**Part I. Work Under Contract**

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE

	26	27	28	29	30	
Contract Number						
Contract With	Downers Grove	Deerfield	Downers Grove	Wood Dale	Niles	
Estimated Completion Date	8/1/2016	55 Working Days		11/30/2016	80 Working Days	
Total Contract Price	\$ 992,718.00	\$ 1,867,770.19	\$ 680,434.00	\$ 1,288,003.20	\$ 1,227,858.00	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	\$ -	\$ -	\$ 5,000.00	\$ 1,288,003.20	\$ 117,302.00	\$ 1,410,305.20
Uncompleted Dollar Value if Firm is the Subcontractor						\$ -
<b>Total Value of All Work</b>						<b>\$ 1,410,305.20</b>

**Part II. Awards Pending and Uncompleted Work to be done with your own forces.**

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE

						Accumulated Totals
Earthwork	\$ -	\$ 0.00	\$ -	\$ 323,540.00	\$ 5,000.00	\$ 328,540.00
Portland Cement Concrete Paving						\$ -
HMA Plant Mix						\$ -
HMA Paving	\$ -	\$ 0.00	\$ -	\$ 228,798.20	\$ 60,000.00	\$ 288,798.20
Clean & Seal Cracks/ Joints		\$ -				\$ -
Aggregate Bases & Surfaces		\$ -	\$ -	\$ 87,640.00		\$ 87,640.00
Highway, R.R. & Water Structures						\$ -
Drainage	\$ -	\$ 0.00	\$ -	\$ 526,785.00	\$ 5,000.00	\$ 531,785.00
Electrical						\$ -
Cover and Seal Coats						\$ -
Concrete Construction	\$ -	\$ 0.00	\$ -	\$ 25,410.00	\$ 0.00	\$ 25,410.00
Landscaping	\$ -	\$ -	\$ -	\$ 77,670.00	\$ 5,000.00	\$ 82,670.00
Fencing						\$ -
Guardrail			\$ -			\$ -
Painting						\$ -
Signing		\$ -		\$ 6,220.00		\$ 6,220.00
Cold Milling, Planning & Rotomilling	\$ -	\$ 0.00	\$ -		\$ 6,552.00	\$ 6,552.00
Demolition						\$ -
Pavement Markings (Paint)						\$ -
Other Construction (List)	\$ -	\$ 0.00	\$ 5,000.00	\$ -	\$ 10,000.00	\$ 15,000.00
						\$ -
<b>Totals</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,000.00</b>	<b>\$ 1,276,063.20</b>	<b>\$ 91,552.00</b>	<b>\$ 1,372,615.20</b>

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	26	27	28	29	30
Subcontractor					
Type of Work	Layout		Electrical	Pavement Marking	Pavement Marking
Subcontract Price	\$17,500.00		\$ 3,500.00	\$5,340.00	\$11,450.00
Amount Uncompleted	\$0.00	\$ -	\$ -	\$5,340.00	\$11,450.00
Subcontractor					
Type of Work	line stop	Striping	Layout	Tree Care	Line Stop
Subcontract Price	\$ 2,100.00	\$7,844.00	\$ 18,500.00	\$ 6,600.00	\$13,500.00
Amount Uncompleted	\$ -	\$0.00	\$ -	\$ 6,600.00	\$0.00
Subcontractor					
Type of Work	Striping		Striping		Layout
Subcontract Price	\$5,252.00		\$ 9,125.40		\$12,500.00
Amount Uncompleted	\$0.00	\$ -	\$ -		\$0.00
Subcontractor					
Type of Work	Tree Care				Irrigation
Subcontract Price	\$ 6,590.00				\$1,000.00
Amount Uncompleted	\$ -				\$1,000.00
Subcontractor					
Type of Work					Fencing
Subcontract Price					\$2,800.00
Amount Uncompleted					\$2,800.00
Subcontractor					
Type of Work					Electrical
Subcontract Price					\$10,500.00
Amount Uncompleted					\$10,500.00
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
<b>Total Uncompleted</b>	\$ -	\$ -	\$ -	\$ 11,940.00	\$ 25,750.00
<b>Totals</b>	\$ 31,442.00	\$ 7,844.00	\$ 31,125.40	\$ 11,940.00	\$ 51,750.00

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**Part I. Work Under Contract**

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	31	32	33	34	35	
Contract Number						
Contract With	Deerfield	Main Township	Vernon Hills	Downers Grove	Palatine Park Dist	
Estimated Completion Date	10/31/2016	10/1/2016	10/1/2016	10/31/2015		
Total Contract Price	\$ 908,196.10	\$ 149,015.00	\$ 74,631.90	\$ 2,361,248.70	\$ 177,913.00	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Uncompleted Dollar Value if Firm is the Subcontractor						\$ -
<b>Total Value of All Work</b>						<b>\$ -</b>

**Part II. Awards Pending and Uncompleted Work to be done with your own forces.**

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE

						Accumulated Totals
Earthwork	\$ -	\$ -	\$ -	\$ -	\$ 0.00	\$ -
Portland Cement Concrete Paving						\$ -
HMA Plant Mix						\$ -
HMA Paving	\$ 0.00	\$ -	\$ -	\$ -	\$ 0.00	\$ -
Clean & Seal Cracks/ Joints						\$ -
Aggregate Bases & Surfaces	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Highway, R.R. & Water Structures						\$ -
Drainage	\$ -	\$ -	\$ -	\$ -	\$ 0.00	\$ -
Electrical						\$ -
Cover and Seal Coats						\$ -
Concrete Construction	\$ 0.00	\$ -	\$ -	\$ -	\$ 0.00	\$ -
Landscaping	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fencing						\$ -
Guardrail						\$ -
Painting						\$ -
Signing		\$ -	\$ -	\$ -	\$ -	\$ -
Cold Milling, Planning & Rotomilling		\$ -	\$ -	\$ -	\$ -	\$ -
Demolition						\$ -
Pavement Markings (Paint)						\$ -
Other Construction (List)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
						\$ -
<b>Totals</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	31	32	33	34	35
Subcontractor					
Type of Work	Tree Care		Pavement Marking	Fencing	Electrical
Subcontract Price	\$3,045.00		\$ 9,000.00	\$ 27,500.00	\$ 3,000.00
Amount Uncompleted	\$0.00		\$ -	\$ -	\$ -
Subcontractor					
Type of Work				Landscaping	Layout
Subcontract Price				\$ 39,595.00	\$ 3,000.00
Amount Uncompleted			\$ -	\$ -	\$ -
Subcontractor					
Type of Work				Striping	Pavement Marking
Subcontract Price	\$ -			\$ 6,728.00	\$ 3,150.00
Amount Uncompleted	\$ -			\$ -	\$ -
Subcontractor					
Type of Work				Tree Care	Tree Care
Subcontract Price	\$ -			\$ 6,870.00	\$ 400.00
Amount Uncompleted	\$ -	\$ -		\$ -	\$ -
Subcontractor					
Type of Work				Full Depth Reclamation	
Subcontract Price	\$ -			\$ 214,600.00	
Amount Uncompleted	\$ -	\$ -		\$ -	
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted		\$ -			
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted	\$ -	\$ -	\$ -	\$ -	\$ -
Totals	\$ 3,045.00	\$ -	\$ 9,000.00	\$ 295,293.00	\$ 9,550.00

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**Part I. Work Under Contract**

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	36	37	38	39	40	
Contract Number						
Contract With	Deerfield SD 109	Evanston	Evanston	Evanston	Copenhaver	
Estimated Completion Date	8/11/2016	9/16/2016	11/11/2016	11/18/2016	10/31/2016	
Total Contract Price	\$ 84,000.00	\$ 388,628.00	\$1,231,874.00	\$ 991,548.00	\$ 203,976.00	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	\$ -	\$ -	\$ 7,000.00	\$ 142,625.00	\$ -	\$ 149,625.00
Uncompleted Dollar Value if Firm is the Subcontractor						
<b>Total Value of All Work</b>						<b>\$ 149,625.00</b>

**Part II. Awards Pending and Uncompleted Work to be done with your own forces.**

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE

						Accumulated Totals
Earthwork	\$ -	\$ -	\$0.00	\$10,000.00	\$ -	\$ 10,000.00
Portland Cement Concrete Paving			\$0.00			\$ -
HMA Plant Mix						\$ -
HMA Paving	\$ -	\$ -	\$0.00	\$10,000.00	\$ -	\$ 10,000.00
Clean & Seal Cracks/ Joints						\$ -
Aggregate Bases & Surfaces	\$ -	\$ -	\$0.00	\$0.00	\$ -	\$ -
Highway, R.R. & Water Structures						\$ -
Drainage	\$ -	\$ -	\$0.00	\$5,000.00	\$ -	\$ 5,000.00
Electrical						\$ -
Cover and Seal Coats						\$ -
Concrete Construction	\$ -	\$ -	\$0.00	\$0.00	\$ -	\$ -
Landscaping	\$ -	\$ -	\$5,000.00	\$2,075.00	\$ -	\$ 7,075.00
Fencing						\$ -
Guardrail						\$ -
Painting						\$ -
Signing						\$ -
Cold Milling, Planing & Rotomilling	\$ -	\$ -	\$0.00	\$ 5,900.00	\$ -	\$ 5,900.00
Demolition						\$ -
Pavement Markings (Paint)						\$ -
Other Construction (List)	\$ -	\$ -	\$ -	\$ 5,000.00	\$ -	\$ 5,000.00
						\$ -
<b>Totals</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,000.00</b>	<b>\$ 37,975.00</b>	<b>\$ -</b>	<b>\$ 42,975.00</b>

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	36	37	38	39	40
Subcontractor					
Type of Work		Irrigation	Brick Paving	Brick Paving	
Subcontract Price		\$ 3,600.00	\$33,675.00	\$75,512.50	
Amount Uncompleted		\$ -	\$0.00	\$30,000.00	
Subcontractor					
Type of Work		Electrical	Layout	Color Coating	
Subcontract Price		\$74,723.50	\$41,500.00	\$ 40,000.00	
Amount Uncompleted		\$0.00	\$0.00	\$ -	
Subcontractor					
Type of Work		Fencing	Pavement Marking	Electrical	
Subcontract Price		\$ 895.00	\$6,000.00	\$53,157.50	
Amount Uncompleted		\$ -	\$2,000.00	\$10,000.00	
Subcontractor					
Type of Work		Pavement Marking	Site Video	Fencing	
Subcontract Price		\$8,857.50	\$27,500.00	\$9,650.00	
Amount Uncompleted		\$0.00	\$0.00	\$9,650.00	
Subcontractor					
Type of Work		Tree Care	Sewer Televising	Landscaping	
Subcontract Price		\$6,500.00	\$27,500.00	\$ 65,025.00	
Amount Uncompleted		\$0.00	\$0.00	\$ 50,000.00	
Subcontractor					
Type of Work			Tree Care	Pavement Marking	
Subcontract Price			\$5,240.00	\$15,080.00	
Amount Uncompleted			\$0.00	\$5,000.00	
Subcontractor					
Type of Work				Tree Care	
Subcontract Price				\$3,485.00	
Amount Uncompleted				\$0.00	
Subcontractor					
Type of Work				Layout	
Subcontract Price				\$ 10,000.00	
Amount Uncompleted				\$ -	
Total Uncompleted	\$ -	\$ -	\$ 2,000.00	\$ 104,650.00	\$ -
Totals	\$ -	\$ 94,576.00	\$ 141,415.00	\$ 271,910.00	\$ -



Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

**Part I. Work Under Contract**

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE

	41	42	43	44	45	
Contract Number				61B34		
Contract With	Hoffman Estates	Glenview	Niles	IDOT	Elmwood Park	
Estimated Completion Date	10/28/2016	11/15/2015	10/15/2016	8/28/2015		
Total Contract Price	\$ 229,776.62	\$ 1,032,078.00	\$ 405,000.00	\$ 294,727.33	\$ 120,261.00	Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	\$ -	\$ -	\$ 39,163.55	\$ -	\$ -	\$ 39,163.55
Uncompleted Dollar Value if Firm is the Subcontractor						\$ -
<b>Total Value of All Work</b>						<b>\$ 39,163.55</b>

**Part II. Awards Pending and Uncompleted Work to be done with your own forces.**

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE

						Accumulated Totals
Earthwork	\$0.00	\$ -	\$ -	\$ -	\$ -	\$ -
Portland Cement Concrete Paving						\$ -
HMA Plant Mix						\$ -
HMA Paving	\$0.00	\$ -	\$ -	\$ -	\$ -	\$ -
Clean & Seal Cracks/ Joints						\$ -
Aggregate Bases & Surfaces	\$0.00					\$ -
Highway, R.R. & Water Structures						\$ -
Drainage	\$0.00	\$ -	\$ -	\$ -	\$ -	\$ -
Electrical						\$ -
Cover and Seal Coats						\$ -
Concrete Construction	\$0.00	\$ -	\$ -	\$ -	\$ -	\$ -
Landscaping	\$ -	\$ -	\$ 5,000.00	\$ -	\$ -	\$ 5,000.00
Fencing						\$ -
Guardrail						\$ -
Painting						\$ -
Signing	\$0.00	\$ -	\$ 5,000.00	\$ -	\$ -	\$ 5,000.00
Cold Milling, Planning & Rotomilling				\$ -	\$ -	\$ -
Demolition						\$ -
Pavement Markings (Paint)						\$ -
Other Construction (List)	\$ -	\$ -	\$ 5,000.00	\$ -	\$ -	\$ 5,000.00
						\$ -
<b>Totals</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,000.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 15,000.00</b>

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	41	42	43	44	45
Subcontractor					
Type of Work	Fencing	Fencing	Landscaping	Layout	Electrical
Subcontract Price	\$4,072.00	\$ 7,800.00	\$ 24,163.55	\$ 6,500.00	\$ 7,200.00
Amount Uncompleted	\$0.00	\$ -	\$ 24,163.55	\$ -	\$ -
Subcontractor					
Type of Work	Tree Care	Irrigation	Layout	Pavement Marking	Pavement Marking
Subcontract Price	\$ 2,550.00	\$ 10,000.00	\$ 8,500.00	\$ 3,176.25	\$ 5,220.00
Amount Uncompleted	\$ -	\$ -	\$ -	\$ -	\$ -
Subcontractor					
Type of Work		Tree Care	Pavement Marking	Tree Care	Tree Care
Subcontract Price		\$ 12,850.00	\$ 2,728.00	\$ 375.00	\$ 5,500.00
Amount Uncompleted		\$ -	\$ -	\$ -	\$ -
Subcontractor					
Type of Work			Tree Care		
Subcontract Price			\$ 1,216.00		
Amount Uncompleted			\$ -		
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
<b>Total Uncompleted</b>	\$ -	\$ -	\$ 24,163.55	\$ -	\$ -
<b>Totals</b>	\$ 6,622.00	\$ 30,650.00	\$ 36,607.55	\$ 10,051.25	\$ 17,920.00



**Illinois Department of Transportation**

Bureau of Construction  
2300 South Dirksen Parkway/Room 322  
Springfield, Illinois 62764

Affidavit of Availability

For the Letting of 01/00/00

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

**Part I. Work Under Contract**

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE

	46	47	48	49	50	
Contract Number						
Contract With	Carpentersville	Mannheim School Dist. 83	Oakbrook			
Estimated Completion Date	30 Wrk Day	6/30/2017	12/1/2016			
Total Contract Price	\$ 124,203.75	\$ 362,670.00	\$ 31,710.00			
Uncompleted Dollar Value if Firm is the Prime Contractor	\$ -	\$ 100,000.00	\$ -	\$ -	\$ -	Accumulated Totals
Uncompleted Dollar Value if Firm is the Subcontractor			\$ -	\$ -	\$ -	\$ 100,000.00
<b>Total Value of All Work</b>						<b>\$ 100,000.00</b>

**Part II. Awards Pending and Uncompleted Work to be done with your own forces.**

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE

						Accumulated Totals
Earthwork	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Portland Cement Concrete Paving						
HMA Plant Mix					\$ -	\$ -
HMA Paving	\$ -	\$ -	\$ -		\$ -	\$ -
Clean & Seal Cracks/ Joints					\$ -	\$ -
Aggregate Bases & Surfaces	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Highway,R.R.& Water Structures					\$ -	\$ -
Drainage	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electrical					\$ -	\$ -
Cover and Seal Coats						\$ -
Concrete Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Landscaping	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fencing					\$ -	\$ -
Guardrail						\$ -
Painting						\$ -
Signing	\$ -	\$ -	\$ -			\$ -
Cold Milling, Planning & Rotomilling		\$ -	\$ -	\$ -	\$ -	\$ -
Demolition					\$ -	\$ -
Pavement Markings (Paint)						\$ -
Other Construction (List)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
						\$ -
						\$ -
<b>Totals</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the "Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization to Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	46	47	48	49	50
Subcontractor					
Type of Work		Pavement Marking			
Subcontract Price		\$2,700.00			
Amount Uncompleted		\$0.00			
Subcontractor					
Type of Work		Fencing			
Subcontract Price		\$100,000.00			
Amount Uncompleted		\$100,000.00			
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
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Subcontractor					
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Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price	\$ -				
Amount Uncompleted	\$ -	\$ -			
Total Uncompleted	\$ -	\$ 100,000.00	\$ -	\$ -	\$ -
Totals	\$ -	\$ 102,700.00	\$ -	\$ -	\$ -

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**Part I. Work Under Contract**

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE

	51	52	53	54	55	
Contract Number						
Contract With				Evanston		
Estimated Completion Date				9/25/2015		
Total Contract Price				\$ 1,100,477.40		Accumulated Totals
Uncompleted Dollar Value if Firm is the Prime Contractor	\$ -	\$ -	\$ -	\$ 10,000.00	\$ -	\$ 10,000.00
Uncompleted Dollar Value if Firm is the Subcontractor						
<b>Total Value of All Work</b>						<b>\$ 10,000.00</b>

**Part II. Awards Pending and Uncompleted Work to be done with your own forces.**

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						Accumulated Totals
Earthwork	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Portland Cement Concrete Paving						\$ -
HMA Plant Mix						\$ -
HMA Paving	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Clean & Seal Cracks/ Joints						\$ -
Aggregate Bases & Surfaces						\$ -
Highway, R.R. & Water Structures						\$ -
Drainage	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electrical						\$ -
Cover and Seal Coats						\$ -
Concrete Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Landscaping						\$ -
Fencing				\$ 5,000.00	\$ -	\$ 5,000.00
Guardrail				\$ -		\$ -
Painting						\$ -
Signing						\$ -
Cold Milling, Planning & Rotomilling						\$ -
Demolition						\$ -
Pavement Markings (Paint)						\$ -
Other Construction (List)	\$ -	\$ -	\$ -	\$ 5,000.00	\$ -	\$ 5,000.00
						\$ -
<b>Totals</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 10,000.00</b>	<b>\$ -</b>	<b>\$ 10,000.00</b>

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

	51	52	53	54	55
Subcontractor					
Type of Work				Electrical	
Subcontract Price				\$ 68,079.00	
Amount Uncompleted				\$ -	
Subcontractor					
Type of Work				Fencing	
Subcontract Price				\$ 3,680.00	
Amount Uncompleted				\$ -	
Subcontractor					
Type of Work				Landscaping	
Subcontract Price				\$ 2,758.05	
Amount Uncompleted				\$ -	
Subcontractor					
Type of Work				Layout	
Subcontract Price				\$ 25,000.00	
Amount Uncompleted				\$ -	
Subcontractor					
Type of Work				Pavement Marking	
Subcontract Price				\$ 11,978.60	
Amount Uncompleted				\$ -	
Subcontractor					
Type of Work				Signage	
Subcontract Price				\$ 600.00	
Amount Uncompleted				\$ -	
Subcontractor					
Type of Work				Special Waste	
Subcontract Price				\$ 840.00	
Amount Uncompleted				\$ -	
Subcontractor					
Type of Work				Tree Care	
Subcontract Price				\$ 5,955.00	
Amount Uncompleted				\$ -	
<b>Total Uncompleted</b>	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Totals</b>	\$ -	\$ -	\$ -	\$ 118,890.65	\$ -

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**Part I. Work Under Contract**

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	56	57	58	59	60	
Contract Number						
Contract With						
Estimated Completion Date						
Total Contract Price						
Uncompleted Dollar Value if Firm is the Prime Contractor	\$ -	\$ -	\$ -	\$ -	\$ -	Accumulated Totals
Uncompleted Dollar Value if Firm is the Subcontractor						\$ -
<b>Total Value of All Work</b>						\$ -

**Part II. Awards Pending and Uncompleted Work to be done with your own forces.**

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE

						Accumulated Totals
Earthwork	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Portland Cement Concrete Paving	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
HMA Plant Mix						\$ -
HMA Paving	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Clean & Seal Cracks/ Joints						\$ -
Aggregate Bases & Surfaces	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Highway, R.R. & Water Structures						\$ -
Drainage	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Electrical						\$ -
Cover and Seal Coats						\$ -
Concrete Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Landscaping	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Fencing		\$ -				\$ -
Guardrail						\$ -
Painting						\$ -
Signing		\$ -				\$ -
Cold Milling, Planning & Rotomilling	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Demolition					\$ -	\$ -
Pavement Markings (Paint)						\$ -
Other Construction (List)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
						\$ -
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

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**SUMMARY SHEETS**

Affidavit of Availability  
 For the Letting of \_\_\_\_\_

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**Part I. Work Under Contract**

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE

Contract Number						
Contract With						
Estimated Completion Date						
Total Contract Price						
Uncompleted Dollar Value if Firm is the Prime Contractor						
Uncompleted Dollar Value if Firm is the Subcontractor						
						<b>SUMMARY</b>
						Accumulated Totals
						\$ 6,934,705.75
						\$ -
<b>Total Value of All Work</b>						<b>\$ 6,934,705.75</b>

**Part II. Awards Pending and Uncompleted Work to be done with your own forces.**

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE

						Accumulated Totals
Earthwork						\$ 643,540.00
Portland Cement Concrete Paving						\$ -
HMA Plant Mix						\$ -
HMA Paving						\$ 383,798.20
Clean & Seal Cracks/ Joints						\$ -
Aggregate Bases & Surfaces						\$ 222,640.00
Highway, R.R. & Water Structures						\$ -
Drainage						\$ 571,785.00
Electrical						\$ -
Cover and Seal Coats						\$ -
Concrete Construction						\$ 295,410.00
Landscaping						\$ 229,745.00
Fencing						\$ -
Guardrail						\$ -
Painting						\$ -
Signing						\$ 98,922.00
Cold Milling, Planning & Rotomilling						\$ 36,552.00
Demolition						\$ -
Pavement Markings (Paint)						\$ -
Other Construction (List)						\$ 310,000.00
						\$ -
<b>Totals</b>	\$ -	\$ -	\$ -	\$ -	\$ -	<b>\$ 2,792,392.20</b>

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Part III. Work Subcontracted to Others

For each contract described in Part I, list all the work you have subcontracted to others.

Subcontractor					
Type of Work					
Subcontract Price	\$ -	\$ -	\$ -	\$ -	\$ -
Amount Uncompleted	\$ -	\$ -	\$ -	\$ -	\$ -
Subcontractor					
Type of Work					
Subcontract Price	\$ -	\$ -	\$ -	\$ -	\$ -
Amount Uncompleted	\$ -	\$ -	\$ -	\$ -	\$ -
Subcontractor					
Type of Work					
Subcontract Price	\$ -	\$ -	\$ -	\$ -	\$ -
Amount Uncompleted	\$ -	\$ -	\$ -	\$ -	\$ -
Subcontractor					
Type of Work					
Subcontract Price	\$ -	\$ -	\$ -	\$ -	\$ -
Amount Uncompleted	\$ -	\$ -	\$ -	\$ -	\$ -
Subcontractor					
Type of Work					
Subcontract Price	\$ -	\$ -	\$ -	\$ -	\$ -
Amount Uncompleted	\$ -	\$ -	\$ -	\$ -	\$ -
Subcontractor					
Type of Work					
Subcontract Price	\$ -	\$ -	\$ -	\$ -	\$ -
Amount Uncompleted	\$ -	\$ -	\$ -	\$ -	\$ -
Total Uncompleted	\$ -	\$ -	\$ -	\$ -	\$ -
<b>SUMMARY TOTALS</b>	\$ -	\$ -	\$ -	\$ -	\$ 4,142,313.55

I, being duly sworn, do hereby declare that this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and Private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Subscribed and sworn to before me

this 11 day of JANUARY, 2017

Kelly L Biello  
Notary Public

Type or Print Adele Lampignano  
Officer or Director

President  
Title

Signed Adele Lampignano

My commission expires 11/16/2020

Company A Lamp Concrete Contractors, Inc.

(Notary Seal)

OFFICIAL SEAL  
KELLY L BIELLO

NOTARY PUBLIC, STATE OF ILLINOIS  
DU PAGE COUNTY  
MY COMMISSION EXPIRES 11/16/2020

Address 1900 Wright Blvd.

Schaumburg, Illinois 60193

**CONTRACTOR'S**  
**CERTIFICATION CONCERNING LABOR STANDARDS**  
**AND**  
**PREVAILING WAGE REQUIREMENTS**

**To Contractor:**

Date: January 11, 2017  
Project Number: 1685-15811  
Project Name: Roselle Rd @ Schaumburg 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
    - Corporation
    - Other Organization (Describe)
  - (c) The name, title and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
<u>Adele Lampignano</u>	<u>President</u>	<u>1900 Wright Blvd Schaumburg, IL</u>

Adele Lampignano Secretary 1900 Wright Blvd. Schaumburg, IL

Adele Lampignano Treasurer 1900 Wright Blvd. Schaumburg, IL

(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):

INTEREST	NAME	ADDRESS	NATURE	OF
----------	------	---------	--------	----

N/A

(e) The names and addresses and trade classifications of all other building construction contractors in which the undersigned has a substantial interest is (if none, so state):

CLASSIFICATION	NAME	ADDRESS	TRADE
----------------	------	---------	-------

N/A

DATE January 11, 2017

A Lamp Concrete Contractors, Inc.  
CONTRACTOR

x Adele Lampignano  
SIGNATURE Adele Lampignano, President

**SUBCONTRACTOR'S CERTIFICATION CONCERNING  
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS**

To Contractor:

Date: January 11, 2017  
Project Number: 1685-15811  
Project Name: Roselle Rd @ Schaumburg Rd.

1. The undersigned, having executed a contract with A Lamp Concrete Contractors, Inc.  
(Contractor)  
for Trucking  
(Nature of Work)  
in the amount of \$ 40000 in the construction of the  
above-identified project, certifies that:

- (a) The Labor Standards provisions of the Contract for Construction are included in the aforesaid contract.
- (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]
- (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an Ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.

2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on TBD  
(Date)

4. He certifies that:

(a) The legal name and the business address of the undersigned are:

- (b) The undersigned is (check one):  
 Sole Proprietorship  
 Partnership  
 Corporation  
 Other Organization (Describe)

(c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
DALIA	PRESIDENT	1734 AVALON CT
SIMON		GLENDALE HTS IL 60139

1/11/2017  
DATE

D. Simon  
SUBCONTRACTOR SIGNATURE

**SUBCONTRACTOR'S CERTIFICATION CONCERNING  
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS**

**To Contractor:**

Date: January 11, 2016

Project Number 16055-15311

Project Name Roselle Rd. @ Schaumburg Rd

1. The undersigned, having executed a contract with A Lamp Concrete Contractors, Inc.  
(Contractor) \_\_\_\_\_ for Trucking  
(Nature of Work) \_\_\_\_\_ in the amount of \$ 1,000 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.G. 276a-2(a)]
- (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.

2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on TBD  
(Date)

4. He certifies that:

(a) The legal name and the business address of the undersigned are:

- (b) The undersigned is (check one):
- Sole Proprietorship
  - Partnership
  - Corporation
  - Other Organization (Describe)

(c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
<u>Fernando Alar</u>	<u>President</u>	<u>389 Thelma Court Wheeling IL 60090</u>

1/11/16  
DATE

[Signature]  
SUBCONTRACTOR SIGNATURE



OFFICE OF CONTRACT COMPLIANCE

JACQUELINE GOMEZ

DIRECTOR

118 N. Clark, County Building, Room 1020 • Chicago, Illinois 60602 • (312) 603-5502

February 27, 2017

**TONI PRECKWINKLE**

PRESIDENT

Cook County Board  
of Commissioners

RICHARD R. BOYKIN

1st District

ROBERT STEELE

2nd District

JERRY BUTLER

3rd District

STANLEY MOORE

4th District

DEBORAH SIMS

5th District

EDWARD M. MOODY

6th District

JESUS G. GARCIA

7th District

LUIS ARROYO, JR

8th District

PETER N. SILVESTRI

9th District

BRIDGET GAINER

10th District

JOHN P. DALEY

11th District

JOHN A. FRITCHEY

12th District

LARRY SUFFREDIN

13th District

GREGG GOSLIN

14th District

TIMOTHY O. SCHNEIDER

15th District

JEFFREY R. TOBOLSKI

16th District

SEAN M. MORRISON

17th District

Ms. Shannon E. Andrews  
Chief Procurement Officer  
County Building-Room 1018  
Chicago, IL 60602

Re: Contract No. 1685-15811  
Roselle Road at Schaumburg Road  
Department of Transportation and Highway

Dear Ms. Andrews:

The following bid for the above-referenced contract has been reviewed for compliance with the Minority- and Women- owned Business Enterprises (MBE/WBE) Ordinance and have been found to be responsive to the ordinance.

**Bidder:** A Lamp Concrete Contractors, Inc.  
**Contract Value:** \$889,351.00  
**Contract Goal:** 10% MBE, 5% WBE

<u>MBE/WBE</u>	<u>Status</u>	<u>Certifying Agency</u>	<u>Commitment</u>
Electrical Resource Management, Inc.	MBE (6)	City of Chicago	10% (Direct)
Alas Trucking, Inc.	MBE (9)	City of Chicago	.1% (Direct)
Vilber, Inc.	WBE (7)	City of Chicago	5% (Direct)
<b>Total</b>			<b>15.1% (Direct)</b>

The Office of Contract Compliance has been advised by the Requesting Department that no other bidders are being recommended for award. Original MBE/WBE forms were used in the determination of the responsiveness of this contract.

Sincerely,

Jacqueline Gomez  
Contract Compliance Director  
JG/ate

Cc: Lillian Lee, OCPO  
Elaine McLaughlin, DOTH  
Alex Anderson, DOTH



**MBE/WBE UTILIZATION PLAN - FORM 1**

BIDDER/PROPOSER HEREBY STATES that all MBE/WBE firms included in this Plan are certified MBEs/WBEs by at least one of the entities listed in the General Conditions - Section 19.

**I. BIDDER/PROPOSER MBE/WBE STATUS: (check the appropriate line)**

- Bidder/Proposer is a certified MBE or WBE firm. (If so, attach copy of current Letter of Certification)
- Bidder/Proposer is a Joint Venture and one or more Joint Venture partners are certified MBEs or WBEs. (If so, attach copies of Letter(s) of Certification, a copy of Joint Venture Agreement clearly describing the role of the MBE/WBE firm(s) and its ownership interest in the Joint Venture and a completed Joint Venture Affidavit - available online at [www.cookcountvil.gov/contractcompliance](http://www.cookcountvil.gov/contractcompliance))
- Bidder/Proposer is not a certified MBE or WBE firm, nor a Joint Venture with MBE/WBE partners, but will utilize MBE and WBE firms either directly or indirectly in the performance of the Contract. (If so, complete Sections II below and the Letter(s) of Intent - Form 2).

**II.  Direct Participation of MBE/WBE Firms  Indirect Participation of MBE/WBE Firms**

**NOTE:** Where goals have not been achieved through direct participation, Bidder/Proposer shall include documentation outlining efforts to achieve Direct Participation at the time of Bid/Proposal submission. Indirect Participation will only be considered after all efforts to achieve Direct Participation have been exhausted. Only after written documentation of Good Faith Efforts is received will Indirect Participation be considered.

MBEs/WBEs that will perform as subcontractors/suppliers/consultants include the following:

**MBE/WBE Firm:** Alas Tucking  
**Address:** 389 Thelma Ct. Wheeling, IL 60090  
**E-mail:** alas trucking@yahoo.com  
**Contact Person:** Fernando Alas **Phone:** 847-980-7910  
**Dollar Amount Participation:** \$ 1,000 -  
**Percent Amount of Participation:** 17% %  
 \*Letter of Intent attached? Yes X No \_\_\_\_\_  
 \*Current Letter of Certification attached? Yes X No \_\_\_\_\_

**MBE/WBE Firm:** Vilber, Inc.  
**Address:** 1734 Avalon Ct. Glendale Heights, IL 60139  
**E-mail:** simdalia@yahoo.com  
**Contact Person:** Dalia Simon **Phone:** 847-338-7558  
**Dollar Amount Participation:** \$ 45,000  
**Percent Amount of Participation:** 59% %  
 \*Letter of Intent attached? Yes X No \_\_\_\_\_  
 \*Current Letter of Certification attached? Yes X No \_\_\_\_\_

Attach additional sheets as needed.

\* Letter(s) of Intent and current Letters of Certification must be submitted at the time of bid.

**MBE/WBE UTILIZATION PLAN - FORM 1**

BIDDER/PROPOSER HEREBY STATES that all MBE/WBE firms included in this Plan are certified MBEs/WBEs by at least one of the entities listed in the General Conditions - Section 19.

**I. BIDDER/PROPOSER MBE/WBE STATUS: (check the appropriate line)**

- Bidder/Proposer is a certified MBE or WBE firm. (If so, attach copy of current Letter of Certification)
- Bidder/Proposer is a Joint Venture and one or more Joint Venture partners are certified MBEs or WBEs. (If so, attach copies of Letter(s) of Certification, a copy of Joint Venture Agreement clearly describing the role of the MBE/WBE firm(s) and its ownership interest in the Joint Venture and a completed Joint Venture Affidavit - available online at [www.cookcountyil.gov/contract/compliance](http://www.cookcountyil.gov/contract/compliance))
- Bidder/Proposer is not a certified MBE or WBE firm, nor a Joint Venture with MBE/WBE partners, but will utilize MBE and WBE firms either directly or indirectly in the performance of the Contract. (If so, complete Sections II below and the Letter(s) of Intent - Form 2).

**II.  Direct Participation of MBE/WBE Firms  Indirect Participation of MBE/WBE Firms**

NOTE: Where goals have not been achieved through direct participation, Bidder/Proposer shall include documentation outlining efforts to achieve Direct Participation at the time of Bid/Proposal submission. Indirect Participation will only be considered after all efforts to achieve Direct Participation have been exhausted. Only after written documentation of Good Faith Efforts is received will Indirect Participation be considered.

MBEs/WBEs that will perform as subcontractors/suppliers/consultants include the following:

MBE/WBE Firm: Electrical Resource Management  
 Address: 5261 W. Harrison St. Chicago, IL 60644  
 E-mail: sdavis@the-willgroup.com  
 Contact Person: Stephen L. Davis Phone: 312-263-6450  
 Dollar Amount Participation: \$ 89,278.65  
 Percent Amount of Participation: 10% %  
 \*Letter of Intent attached? Yes X No \_\_\_\_\_  
 \*Current Letter of Certification attached? Yes X No \_\_\_\_\_

MBE/WBE Firm: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 E-mail: \_\_\_\_\_  
 Contact Person: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Dollar Amount Participation: \$ \_\_\_\_\_  
 Percent Amount of Participation: \_\_\_\_\_ %  
 \*Letter of Intent attached? Yes \_\_\_\_\_ No \_\_\_\_\_  
 \*Current Letter of Certification attached? Yes \_\_\_\_\_ No \_\_\_\_\_

Attach additional sheets as needed.

\* Letter(s) of Intent and current Letters of Certification must be submitted at the time of bid.



DEPARTMENT OF PROCUREMENT SERVICES  
CITY OF CHICAGO

**JUN 19 2012**

Fernando Alas  
Alas Trucking Inc  
389 Thelma Ct  
Wheeling, IL 60090

Dear Mr. Alas:

We are pleased to inform you that Alas Trucking Inc has been certified as a Minority Business Enterprise (MBE) by the City of Chicago. This MBE certification is valid until June 1, 2017; however your firms' certification must be re-validated annually.

As a condition of continued certification during this five year period, you must file an annual No-Change Affidavit. Your firm's **No Change Affidavit is due by June 1, 2013**. Please remember, you have an affirmative duty to file your No-Change Affidavit 60 days prior to the date of expiration. Therefore, you must file your **No-Change Affidavit by April 1, 2013**.

It is important to note that you also have an ongoing affirmative duty to notify the City of Chicago of any changes in ownership or control of your firm, or any other fact affecting your firm's eligibility for certification within **10 days** of such change. These changes may include but are not limited to a change of address, change of business structure, change in ownership or ownership structure, change of business operations, and/or gross receipts that exceed the program threshold.

Please note – you shall be deemed to have had your certification lapse and will be ineligible to participate as a Minority Business Enterprise (MBE) if you fail to:

- ♦ file your No Change Affidavit within the required time period;
- ♦ provide financial or other records requested pursuant to an audit within the required time period; or
- ♦ notify the City of any changes affecting your firm's certification within 10 days of such change.

JUN 18

Further, if you or your firm is found to be involved in certification, bidding and/or contractual fraud or abuse, the City will pursue decertification and debarment. And in addition to any other penalty imposed by law, any person who knowingly obtains, or knowingly assists another in obtaining, a contract with the city by falsely representing that the individual or entity, or the individual or entity assisted, is a minority-owned business or a woman-owned business, is guilty of a misdemeanor, punishable by incarceration in the county jail for a period not to exceed six months or a fine of not less than \$5,000.00 and not more than \$10,000, or both.

Your firm's name will be listed in the City's Directory of Minority and Women-Owned Business Enterprises in the specialty area(s) of:

**NAICS 484110 - General Freight Trucking, Local**

Your firm's participation on City contracts will be credited only toward Minority owned Business Enterprise (MBE) goals in your area(s) of specialty. While your participation on City contracts is not limited to your specialty, credit toward goals will be given only for work done in the specialty category.

Thank you for your interest in the City's Minority and Women-Owned Business Enterprise (MBE/WBE) Program.

Sincerely,



Jamie L. Rhee  
Chief Procurement Officer

JLR/vlw



DEPARTMENT OF PROCUREMENT SERVICES  
CITY OF CHICAGO

JUL 21 2015

Dalia Simon  
Vilber, Inc.  
1734 Avalon Ct.  
Glendale Heights, IL 60139

Dear Dalia Simon:

We are pleased to inform you that Vilber, Inc. has been certified as a **Women-Owned Business Enterprise ("WBE")**, by the City of Chicago ("City"). This **WBE** certification is valid until **7/15/2020**; however your firm's certification must be revalidated annually. In the past the City has provided you with an annual letter confirming your certification; such letters will no longer be issued. As a consequence, we require you to be even more diligent in filing your **annual No-Change Affidavit 60 days** before your annual anniversary date.

It is now your responsibility to check the City's certification directory and verify your certification status. As a condition of continued certification during the five year period stated above, you must file an annual No-Change Affidavit. Your firm's **annual No-Change Affidavit** is due by **7/15/2016, 7/15/2017, 7/15/2018, and 7/15/2019**. Please remember, you have an affirmative duty to file your **No-Change Affidavit 60 days** prior to the date of expiration. Failure to file your annual No-Change Affidavit may result in the suspension or rescission of your certification.

Your firm's five year certification will expire on **7/15/2020**. You have an affirmative duty to file for recertification **60 days** prior to the date of the five year anniversary date. Therefore, you must file for recertification by **5/15/2020**.

It is important to note that you also have an ongoing affirmative duty to notify the City of any changes in ownership or control of your firm, or any other fact affecting your firm's eligibility for certification **within 10 days** of such change. These changes may include but are not limited to a change of address, change of business structure, change in ownership or ownership structure, change of business operations, gross receipts and or personal net worth that exceed the program threshold. Failure to provide the City with timely notice of such changes may result in the suspension or rescission of your certification. In addition, you may be liable for civil penalties under Chapter 1-22, "False Claims", of the Municipal Code of Chicago.

121 NORTH LASALLE STREET, ROOM 806, CHICAGO ILLINOIS 60602

JUL 21 2015

Please note – you shall be deemed to have had your certification lapse and will be ineligible to participate as a **WBE** if you fail to:

- File your annual No-Change Affidavit within the required time period;
- Provide financial or other records requested pursuant to an audit within the required time period;
- Notify the City of any changes affecting your firm's certification within 10 days of such change; or
- File your recertification within the required time period.

Please be reminded of your contractual obligation to cooperate with the City with respect to any reviews, audits or investigation of its contracts and affirmative action programs. We strongly encourage you to assist us in maintaining the integrity of our programs by reporting instances or suspicions of fraud or abuse to the City's Inspector General at [chicagoinspectorgeneral.org](http://chicagoinspectorgeneral.org), or 866-IG-TIPLINE (866-448-4754).

Be advised that if you or your firm is found to be involved in certification, bidding and/or contractual fraud or abuse, the City will pursue decertification and debarment. In addition to any other penalty imposed by law, any person who knowingly obtains, or knowingly assists another in obtaining a contract with the City by falsely representing the individual or entity, or the individual or entity assisted is guilty of a misdemeanor, punishable by incarceration in the county jail for a period not to exceed six months, or a fine of not less than \$5,000 and not more than \$10,000 or both.

Your firm's name will be listed in the City's Directory of Minority and Women-Owned Business Enterprises in the specialty area(s) of:

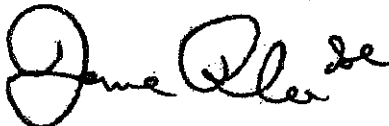
**NAICS Code(s):**

**484220 - Dump trucking (e.g., gravel, sand, top soil)**

Your firm's participation on City contracts will be credited only toward **Women-Owned Business Enterprise**, goals in your area(s) specialty. While your participation on City contracts is not limited to your area of specialty, credit toward goals will be given only for work that is self-performed and providing a commercially useful function that is done in the approved specialty category.

Thank you for your interest in the City's Minority and Women-Owned Business Enterprise (MBE/WBE) Program.

Sincerely,



Jamie L. Rhee  
Chief Procurement Officer  
JLR/dm



# Illinois Department of Transportation

Office of Business & Workforce Diversity  
2300 South Dirksen Parkway / Springfield, Illinois 62764

October 25, 2016

## CERTIFIED-RETURN RECEIPT REQUESTED

Mr. Stephen L. Davis  
Electrical Resource Management, Inc.  
703 Childs St.  
Wheaton, IL 60187

Dear Mr. Davis:

The Illinois Department of Transportation (IDOT) has approved the 2015 and 2016 "No Change Affidavit" for Electrical Resource Management, 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 any change in circumstances affecting your firm's eligibility status, your firm must provide written notification to IDOT within 30 days of the occurrence of the change. If you fail to make timely notification, it may result in the loss of your firm's certification.

If you have any questions, please contact the Bureau of Small Business Enterprises at (217) 782-5490.

Sincerely,

A handwritten signature in black ink, appearing to read "Debra A. Clark".

Debra A. Clark, Acting Bureau Chief  
Bureau of Small Business Enterprises

Vendor Information



**Vendor Information**

Business Name **Electrical Resource Management, Inc.**  
 Owner **Stephen L. Davis**  
 Address **703 Childs St.**  
 > [Map This Address](#) **Wheaton, IL 60187**  
 Phone **312-263-6450**  
 Fax **630-462-9077**  
 Email **[wclaus@thewillgroup.com](mailto:wclaus@thewillgroup.com)**

**Certification Information**

Certifying Agency **City of Chicago**  
 Certification Type **MBE - Minority Business Enterprise**  
 Certification Date **7/26/2016**  
 Renewal Date **7/31/2017**  
 Certified Business Description

**Commodity Codes**

Code	Description
No assigned commodity codes for this certification.	

**Additional Information**

**Customer Support**

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[Print This Page](#)



**MBE/WBE LETTER OF INTENT - FORM 2**

M/WBE Firm: ALAS Trucking Certifying Agency: City of Chicago  
 Contact Person: Fernando Alas Certification Expiration Date: 6-1-17  
 Address: 389 thelma ct. Ethnicity: HISPANIC  
 City/State: Wheeling, IL Zip: 60990 Bid/Proposal/Contract #: 1655-15811  
 Phone: 817-980-7910 Fax: 817-465-8877 FEIN #: 20-8407775  
 Email: alas-Trucking@yahoo.com  
 Participation:  Direct  Indirect

Will the M/WBE firm be subcontracting any of the goods or services of this contract to another firm?  
 No  Yes - Please attach explanation. Proposed Subcontractor(s): \_\_\_\_\_

The undersigned M/WBE is prepared to provide the following Commodities/Services for the above named Project/ Contract: (If more space is needed to fully describe M/WBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)

Trucking

Indicate the Dollar Amount, Percentage, and the Terms of Payment for the above-described Commodities/ Services:  
1,000 1%

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement for the above work, conditioned upon (1) the Bidder/Proposer's receipt of a signed contract from the County of Cook; (2) Undersigned Subcontractor remaining compliant with all relevant credentials, codes, ordinances and statutes required by Contractor, Cook County, and the State to participate as a MBE/WBE firm for the above work. 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.

Fernando Alas  
 Signature (M/WBE)  
Fernando Alas  
 Print Name  
Alas Trucking Inc  
 Firm Name  
January 11, 2017  
 Date

Adele Lampignano  
 Signature (Prime Bidder/Proposer)  
Adele Lampignano, President  
 Print Name  
A Lamp Concrete Contractors, Inc.  
 Firm Name  
January 11, 2017  
 Date

Subscribed and sworn before me  
 this 11<sup>th</sup> day of January, 2017

Subscribed and sworn before me  
 this 11th day of January, 2016

Notary Public Carol A. Norton

Notary Public Kelly L. Biello

"OFFICIAL SEAL"  
 CAROL A. NORTON  
 Notary Public, State of Illinois  
 My Commission Expires 1/27/2020  
 M/WBE Letter of Intent - Form 2

OFFICIAL SEAL  
 KELLY L. BIELLO  
 NOTARY PUBLIC, STATE OF ILLINOIS  
 DU PAGE COUNTY  
 MY COMMISSION EXPIRES 11/16/2020

MBE/WBE LETTER OF INTENT - FORM 2

M/WBE Firm: VILBER INC.

Certifying Agency: CITY OF CHICAGO

Contact Person: DALIA SIMON

Certification Expiration Date: 7/15/2020

Address: 1734 AVALONCE

Ethnicity: \_\_\_\_\_

City/State: Glendale Hts Zip: 60129

Bid/Proposal/Contract #: 1685-15811

Phone: 847-338-7558 Fax: 630-960-1275

FEIN #: 27-1792705

Email: Simdalia@yahoo.com

Participation:  Direct  Indirect

Will the M/WBE firm be subcontracting any of the goods or services of this contract to another firm?

No  Yes -- Please attach explanation. Proposed Subcontractor(s): \_\_\_\_\_

The undersigned M/WBE is prepared to provide the following Commodities/Services for the above named Project/ Contract: (If more space is needed to fully describe M/WBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)

TRUCKING

Indicate the Dollar Amount, Percentage, and the Terms of Payment for the above-described Commodities/ Services:

45,000 5%

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement for the above work, conditioned upon (1) the Bidder/Proposer's receipt of a signed contract from the County of Cook; (2) Undersigned Subcontractor remaining compliant with all relevant credentials, codes, ordinances and statutes required by Contractor, Cook County, and the State to participate as a MBE/WBE firm for the above work. 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.

D. Simon  
Signature (M/WBE)

Adele Lampignano  
Signature (Prime Bidder/Proposer)

DALIA SIMON  
Print Name

Adele Lampignano, President  
Print Name

VILBER INC.  
Firm Name

A Lamp Concrete Contractors, Inc.  
Firm Name

January 11, 2017  
Date

January 11, 2017  
Date

Subscribed and sworn before me

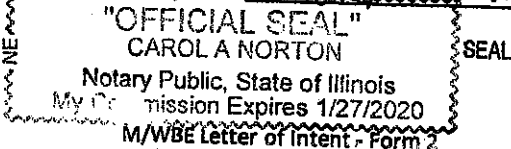
Subscribed and sworn before me

this 11<sup>th</sup> day of January, 20 17.

this 11 day of January, 20 17.

Notary Public Carol A Norton

Notary Public Kelly L Biello



MBEWBE LETTER OF INTENT - FORM 2

M/WBE Firm: Electrical Resource Management Certifying Agency: DOT  
 Contact Person: Stephen L. Davis Certification Expiration Date: 10-25-17  
 Address: 5261 W. Harrison St. Ethnicity: Black/African-American  
 City/State: Chicago, IL Zip: 60644 Bid/Proposal/Contract #: 1685-15811  
 Phone: 312-263-1450 Fax: \_\_\_\_\_ FEIN #: 36-3444459  
 Email: sdavis@themillgroup.com  
 Participation:  Direct  Indirect

Will the M/WBE firm be subcontracting any of the goods or services of this contract to another firm?

No  Yes - Please attach explanation. Proposed Subcontractor(s): Traffic Control Corporation

Purchase through MBE supplier to fulfill percentage  
 The undersigned M/WBE is prepared to provide the following Commodities/Services for the above named Project/ Contract: (If more space is needed to fully describe M/WBE Firm's proposed scope of work and/or payment schedule, attach additional sheets)

Steel Mast Arm Assembly, Steel Combination Mast Arm Assemblies,  
Paint New Mast Arm & Pole Under 40 foot, Paint New Combination Mast Arm  
and Pole, 40 foot and over. All traffic signal equipment Paint New Traffic  
Signal Post

Indicate the Dollar Amount, Percentage, and the Terms of Payment for the above-described Commodities/ Services:

\$ 89,278.65

Terms: net 30 days

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement for the above work, conditioned upon (1) the Bidder/Proposer's receipt of a signed contract from the County of Cook; (2) Undersigned Subcontractor remaining compliant with all relevant credentials, codes, ordinances and statutes required by Contractor, Cook County, and the State to participate as a MBE/WBE firm for the above work. 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.

[Signature]  
Signature (M/WBE)

STEPHEN L. DAVIS  
Print Name

ELECTRICAL RESOURCE MANAGEMENT  
Firm Name

1-10-17  
Date

Subscribed and sworn before me

this 10<sup>th</sup> day of JANUARY, 2017

Notary Public Debra A. Karlinski

[Signature]  
Signature (Prime Bidder/Proposer)

Adete Lempignano  
Print Name

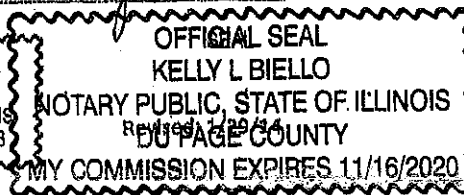
Alamp Concrete Contractors  
Firm Name

1-11-17  
Date

Subscribed and sworn before me

this 11 day of JANUARY, 2017

Notary Public Kelly L. Biello





CONTRACT NO.

**Cook County  
Office of the Chief Procurement Officer  
Identification of Subcontractor/Supplier/Subconsultant Form**

<b>OCPO ONLY:</b>
<input type="radio"/> Disqualification
<input checked="" type="radio"/> Check Complete

The Bidder/Proposer/Respondent ("the Contractor") will fully complete and execute and submit an Identification of Subcontractor/Supplier/Subconsultant Form ("ISF") with each Bid, Request for Proposal, and Request for Qualification. The Contractor must complete the ISF for each Subcontractor, Supplier or Subconsultant which shall be used on the Contract. In the event that there are any changes in the utilization of Subcontractors, Suppliers or Subconsultants, the Contractor must file an updated ISF.

Bid/RFP/RFQ No.: 1685-15811	Date: January 11, 2017
Total Bid or Proposal Amount:	Contract Title:
Contractor: A Lamp Concrete Contractors, Inc	Subcontractor/Supplier/ Subconsultant to be added or substitute: Precision Pavement Markings
Authorized Contact for Contractor: Jeff Moyer	Authorized Contact for Subcontractor/Supplier/ Subconsultant: Mike Abbott
Email Address (Contractor): jmoyer@alamconcrete.com	Email Address (Subcontractor):
Company Address (Contractor): 1900 Wright Blvd.	Company Address (Subcontractor): PO Box 705
City, State and Zip (Contractor): Schaumburg, IL 60193	City, State and Zip (Subcontractor): Elgin, IL 60121
Telephone and Fax (Contractor) 847-891-6000/847-891-1873	Telephone and Fax (Subcontractor) 847-931-9092
Estimated Start and Completion Dates (Contractor)	Estimated Start and Completion Dates (Subcontractor)

Note: Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

Description of Services or Supplies	Total Price of Subcontract for Services or Supplies
Tree Care	2091.00

The subcontract documents will incorporate all requirements of the Contract awarded to the Contractor as applicable. The subcontract will in no way hinder the Subcontractor/Supplier/Subconsultant from maintaining its progress on any other contract on which it is either a Subcontractor/Supplier/Subconsultant or principal contractor. This disclosure is made with the understanding that the Contractor is not under any circumstances relieved of its abilities and obligations, and is responsible for the organization, performance, and quality of work. This form does not approve any proposed changes, revisions or modifications to the contract approved MBE/WBE Utilization Plan. Any changes to the contract's approved MBE/WBE/Utilization Plan must be submitted to the Office of the Contract Compliance.

Contractor A Lamp Concrete Contractors, Inc.  
 Name Adele Lampignano, President  
 Title *Adele Lampignano* January 11, 2017  
 Prime Contractor Signature \_\_\_\_\_ Date

CONTRACT NO.

**Cook County  
Office of the Chief Procurement Officer  
Identification of Subcontractor/Supplier/Subconsultant Form**

<b>OCPO ONLY:</b>
<input type="radio"/> Disqualification
<input checked="" type="radio"/> Check Complete

The Bidder/Proposer/Respondent ("the Contractor") will fully complete and execute and submit an Identification of Subcontractor/Supplier/Subconsultant Form ("ISF") with each Bid, Request for Proposal, and Request for Qualification. The Contractor must complete the ISF for each Subcontractor, Supplier or Subconsultant which shall be used on the Contract. In the event that there are any changes in the utilization of Subcontractors, Suppliers or Subconsultants, the Contractor must file an updated ISF.

Bid/RFP/RFQ No.: 1685-15811	Date: January 11, 2017
Total Bid or Proposal Amount:	Contract Title:
Contractor: A Lamp Concrete Contractors, Inc	Subcontractor/Supplier/ Subconsultant to be added or substitute: Thorne Electric
Authorized Contact for Contractor: Jeff Moyer	Authorized Contact for Subcontractor/Supplier/ Subconsultant: Electrical
Email Address (Contractor): jmoyer@alamconcrete.com	Email Address (Subcontractor):
Company Address (Contractor): 1900 Wright Blvd.	Company Address (Subcontractor): 25W501 St. Charles St.
City, State and Zip (Contractor): Schaumburg, IL 60193	City, State and Zip (Subcontractor): Carol Stream, IL 60188
Telephone and Fax (Contractor) 847-891-6000/847-891-1873	Telephone and Fax (Subcontractor) 630-668-4853
Estimated Start and Completion Dates (Contractor)	Estimated Start and Completion Dates (Subcontractor)

Note: Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

<u>Description of Services or Supplies</u>	<u>Total Price of Subcontract for Services or Supplies</u>
Electrical	408,300.87

The subcontract documents will incorporate all requirements of the Contract awarded to the Contractor as applicable. The subcontract will in no way hinder the Subcontractor/Supplier/Subconsultant from maintaining its progress on any other contract on which it is either a Subcontractor/Supplier/Subconsultant or principal contractor. This disclosure is made with the understanding that the Contractor is not under any circumstances relieved of its abilities and obligations, and is responsible for the organization, performance, and quality of work. This form does not approve any proposed changes, revisions or modifications to the contract approved MBE/WBE Utilization Plan. Any changes to the contract's approved MBE/WBE/Utilization Plan must be submitted to the Office of the Contract Compliance.

Contractor A Lamp Concrete Contractors, Inc.  
 Name Adele Lampignano, President  
 Title *Adele Lampignano* January 11, 2017  
 Prime Contractor Signature \_\_\_\_\_ Date \_\_\_\_\_

CONTRACT NO.

**Cook County  
Office of the Chief Procurement Officer  
Identification of Subcontractor/Supplier/Subconsultant Form**

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Bid/RFP/RFQ No.: 1685-15811	Date: January 11, 2017
Total Bid or Proposal Amount:	Contract Title:
Contractor: A Lamp Concrete Contractors, Inc	Subcontractor/Supplier/ Subconsultant to be added or substitute: Abbott Tree Care
Authorized Contact for Contractor: Jeff Moyer	Authorized Contact for Subcontractor/Supplier/ Subconsultant: Mike Abbott
Email Address (Contractor): jmoyer@alampconcrete.com	Email Address (Subcontractor):
Company Address (Contractor): 1900 Wright Blvd.	Company Address (Subcontractor): PO Box 249
City, State and Zip (Contractor): Schaumburg, IL 60193	City, State and Zip (Subcontractor): Wayne, IL 60184
Telephone and Fax (Contractor) 847-891-6000/847-891-1873	Telephone and Fax (Subcontractor) 6630-681-8733
Estimated Start and Completion Dates (Contractor)	Estimated Start and Completion Dates (Subcontractor)

Note: Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

<u>Description of Services or Supplies</u>	<u>Total Price of Subcontract for Services or Supplies</u>
Tree Care	2091.00

The subcontract documents will incorporate all requirements of the Contract awarded to the Contractor as applicable. The subcontract will in no way hinder the Subcontractor/Supplier/Subconsultant from maintaining its progress on any other contract on which it is either a Subcontractor/Supplier/Subconsultant or principal contractor. This disclosure is made with the understanding that the Contractor is not under any circumstances relieved of its abilities and obligations, and is responsible for the organization, performance, and quality of work. This form does not approve any proposed changes, revisions or modifications to the contract approved MBE/WBE Utilization Plan. Any changes to the contract's approved MBE/WBE/Utilization Plan must be submitted to the Office of the Contract Compliance.

Contractor A Lamp Concrete Contractors, Inc.  
 Name Adele Lampignano, President  
 Title *Adele Lampignano* Date January 11, 2017  
 Prime Contractor Signature \_\_\_\_\_

CONTRACT NO.

**Cook County**  
**Office of the Chief Procurement Officer**  
**Identification of Subcontractor/Supplier/Subconsultant Form**

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Bid/RFP/RFQ No.: 1685-15811	Date: January 11, 2017
Total Bid or Proposal Amount:	Contract Title:
Contractor: A Lamp Concrete Contractors, Inc	Subcontractor/Supplier/ Subconsultant to be added or substitute: Precision Pavement Markings
Authorized Contact for Contractor: Jeff Moyer	Authorized Contact for Subcontractor/Supplier/ Subconsultant: Mike Abbott
Email Address (Contractor): jmoyer@alamconcrete.com	Email Address (Subcontractor):
Company Address (Contractor): 1900 Wright Blvd.	Company Address (Subcontractor): PO Box 705
City, State and Zip (Contractor): Schaumburg, IL 60193	City, State and Zip (Subcontractor): Elgin, IL 60121
Telephone and Fax (Contractor) 847-891-6000/847-891-1873	Telephone and Fax (Subcontractor) 847-931-9092
Estimated Start and Completion Dates (Contractor)	Estimated Start and Completion Dates (Subcontractor)

**Note:** Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

<u>Description of Services or Supplies</u>	<u>Total Price of Subcontract for Services or Supplies</u>
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Contractor A Lamp Concrete Contractors, Inc.  
Name Adele Lampignano, President  
Title *Adele Lampignano* Date January 11, 2017  
Prime Contractor Signature \_\_\_\_\_



CONTRACT NO.

**Cook County  
Office of the Chief Procurement Officer  
Identification of Subcontractor/Supplier/Subconsultant Form**

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Authorized Contact for Contractor: Jeff Moyer	Authorized Contact for Subcontractor/Supplier/ Subconsultant: Electrical
Email Address (Contractor): jmoyer@alampconcrete.com	Email Address (Subcontractor):
Company Address (Contractor): 1900 Wright Blvd.	Company Address (Subcontractor): 25W501 St. Charles St.
City, State and Zip (Contractor): Schaumburg, IL 60193	City, State and Zip (Subcontractor): Carol Stream, IL 60188
Telephone and Fax (Contractor) 847-891-6000/847-891-1873	Telephone and Fax (Subcontractor) 630-668-4853
Estimated Start and Completion Dates (Contractor)	Estimated Start and Completion Dates (Subcontractor)

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<u>Description of Services or Supplies</u>	<u>Total Price of Subcontract for Services or Supplies</u>
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Contractor A Lamp Concrete Contractors, Inc.  
 Name Adele Lampignano, President  
 Title *Adele Lampignano* January 11, 2017  
 Prime Contractor Signature \_\_\_\_\_ Date \_\_\_\_\_

CONTRACT NO.

**Cook County**  
**Office of the Chief Procurement Officer**  
**Identification of Subcontractor/Supplier/Subconsultant Form**

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Email Address (Contractor): jmoyer@alamconcrete.com	Email Address (Subcontractor):
Company Address (Contractor): 1900 Wright Blvd.	Company Address (Subcontractor): PO Box 249
City, State and Zip (Contractor): Schaumburg, IL 60193	City, State and Zip (Subcontractor): Wayne, IL 60184
Telephone and Fax (Contractor) 847-891-6000/847-891-1873	Telephone and Fax (Subcontractor) 6630-681-8733
Estimated Start and Completion Dates (Contractor)	Estimated Start and Completion Dates (Subcontractor)

**Note:** Upon request, a copy of all written subcontractor agreements must be provided to the OCPO.

<u>Description of Services or Supplies</u>	<u>Total Price of Subcontract for Services or Supplies</u>
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Contractor

A Lamp Concrete Contractors, Inc.

Name

Adele Lampignano, President

Title



January 11, 2017

Prime Contractor Signature

Date

ISF-1

**OFFICE OF THE COOK COUNTY COMPTROLLER  
ELECTRONIC PAYABLES PROGRAM ("E-PAYABLES")**

**FOR INFORMATION PURPOSES ONLY**

**This document describes the Office of the Cook County Comptroller's Electronic Payables Program ("E-Payables").**  
**If you wish to participate in E-Payables, please contact the Cook County Comptroller's Office, Accounts Payable, 118 N. Clark Street, Room 500, Chicago, IL 60602.**

**DESCRIPTION**

To increase payment efficiency and timeliness, we have introduced E-Payables program, a new payment initiative to our accounts payable model. This new initiative utilizes a Visa purchasing card and operates through the Visa payment network. This is County's preferred method of payment and your participation in our Visa purchasing card program will provide mutual benefits both to your organization and ours.

As a vendor, you may experience the following benefits by accepting this new payment type:

- Improved cash flow and accelerated payment
- Reduced paperwork and a more streamlined accounts receivable process
- Elimination of stop payment issues
- Reduced payment delays
- Reduced costs for handling paper checks
- Payments settled directly to your merchant account

There are two options within this initiative:

**1. Dedicated Credit Card – "PULL" Settlement**

For this option, you will have an assigned dedicated credit card to be used for each payment. You will provide a point of contact within your organization who will keep credit card information on file. Each time a payment is made, you will receive a remittance advice via email detailing the invoices being paid. Each time you receive a remittance advice, you will process payments in the same manner you process credit card transactions today.

**2. One-Time Use Credit Card – "SUGA" Settlement**

For this option, you will provide a point of contact within your organization who will receive an email notification authorizing you to process payments in the same manner you process credit card transactions today. Each time payment is made, you will receive a remittance advice, via email, detailing the invoices being paid. Also, each time you receive a remittance advice, you will receive a new, unique credit card number. This option is ideal for suppliers who are unable to keep credit card account information on file.

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CONTRACT NO.

**AFFIDAVIT  
VETERAN'S WORKPLACE PREFERENCE PUBLIC WORKS CONTRACTS**

**INSTRUCTIONS**

In accordance with Section 34-236(a) of the Cook County Procurement Code, the Chief Procurement Officer ("CPO") shall give a preference of one percent of the amount of the Contract to a Responsible and Responsive Contractor for a Public Works Contract when such Contractor has committed by affidavit to utilize Eligible Veterans for at least five percent of the hours worked under such Contract. Failure to utilize Eligible Veterans in accordance with the affidavit will result in breach of contract. All Bidders who are requesting this preference must complete this Affidavit.

**DEFINITIONS**

*Eligible Veteran* means a person who (i) has been either a member of the armed forces of the United States or, while a citizen of the United States, was a member of the armed forces of allies of the United States in time of hostilities with a foreign country and (ii) has served under one or more of the following conditions: (a) the veteran served a total of at least 6 months; (b) the veteran served for the duration of hostilities regardless of the length of the engagement; (c) the veteran was discharged on the basis of hardship; or (d) the veteran was released from active duty because of a service connected disability and was discharged under honorable conditions.

*Armed forces of the United States* means the United States Army, Navy, Air Force, Marine Corps, Coast Guard or service in active duty as defined under 38 U.S.C. Section 101. Service in the Merchant Marine that constitutes active duty under Section 401 of federal Public Act 95-202 shall also be considered service in the armed forces for purposes of this Division.

*Public Works* means all fixed works constructed or demolished by the County, or paid for wholly or in part out of public funds administered by the County. "Public Works" as defined herein includes all projects financed in whole or in part with bonds, grants, loans, or other funds made available by or through federal or State government, or the County. "Public Works" does not include projects undertaken by the owner at an owner-occupied single-family residence or at an owner-occupied unit of a multifamily residence. "Public Works" includes any maintenance, repair, assembly, or disassembly work performed on equipment whether owned, leased, or rented.

I, Adele Lampignano, being first duly sworn, do depose and state as follows:

1. I am the authorized representative and I have the authority to make this Affidavit for and on behalf of the Bidder.
2. The Bidder is requesting the CPO grant a preference of one percent of the amount of the Contract in accordance with Section 34-236(a) of the Cook Procurement Code, as set forth above.
3. In accordance with the Cook County Procurement Code, the Bidder shall commit to utilize Eligible Veterans for at least five percent of the hours worked under the Contract. The Eligible Veterans must be employed directly by the Bidder.
4. The Bidder shall be solely responsible for requesting all persons to provide Bidder with appropriate documentation to ensure that such person(s) is an Eligible Veteran, as defined above. Bidder certifies, that by seeking this preference, it shall maintain appropriate documentation, including payroll records, which show the number of hours worked by Eligible Veterans.
5. The Bidder certifies, affirms and acknowledges that the failure to utilize Eligible Veterans in accordance with this Affidavit will result in a breach of contract, which will allow the County to seek all rights and remedies as set forth in the Contract and any other appropriate remedies available in equity or at law.

A Lamp Concrete Contractors, Inc.

Bidder (please print or type)

Adele Lampignano  
Signature

jmoyer@alampconcrete.com  
E-mail address

President

Title

January 11, 2017

Date

847-891-6000

Phone Number

Subscribed to and sworn before me  
this 11 day of January, 20 17.

My commission expires: 11/16/2020

x Kelly L Biello  
Notary Public Signature



**VETERAN'S PREFERENCE FOR VBE AND SDVBE  
INSTRUCTIONS**

In accordance with Section 34-236(b) of the Cook County Procurement Code, the Chief Procurement Officer ("CPO") shall give a preference of five percent of the amount of the Contract to a Responsible and Responsive Veterans Owned Business Enterprise (VBE) and Service Disabled Veterans Business Enterprise (SDVBE) requesting a preference for Bids. All Bidders who are requesting this preference must complete the form, and attach a copy of its certification. Prior to applying the five percent preference, the CPO must receive approval from the Contract Compliance Director (CCD) that the Bidder is a qualified VBE or SDVBE.

**DEFINITIONS**

*Veteran-owned Business Enterprise (VBE)* means a small business (i) that is at least 51 percent owned, controlled and managed by one or more Eligible Veterans or in the case of a corporation, at least 51 percent or more of the stock of which is owned, controlled and managed by one or more Eligible Veterans; (ii) that has its home office in Illinois, as certified by the Contract Compliance Director (CCD) under policies and procedures promulgated by the CCD.

*Eligible Veteran* means a person who (i) has been either a member of the armed forces of the United States or, while a citizen of the United States, was a member of the armed forces of allies of the United States in time of hostilities with a foreign country and (ii) has served under one or more of the following conditions: (a) the veteran served a total of at least 6 months; (b) the veteran served for the duration of hostilities regardless of the length of the engagement; (c) the veteran was discharged on the basis of hardship; or (d) the veteran was released from active duty because of a service connected disability and was discharged under honorable conditions.

*Armed forces of the United States* means the United States Army, Navy, Air Force, Marine Corps, Coast Guard or service in active duty as defined under 38 U.S.C. Section 101. Service in the Merchant Marine that constitutes active duty under Section 401 of federal Public Act 95-202 shall also be considered service in the armed forces for purposes of this Division.

*Service-Disabled Veteran-owned Business Enterprise (SDVBE)* means a small business (i) that is at least 51 percent owned, controlled, and managed by one or more qualified service disabled veterans or in the case of a corporation, at least 51 percent or more of the stock of which is owned, controlled and managed by one or more Service Disabled Veterans; (ii) that has its home office in Illinois, as certified by the CCD under policies and procedures promulgated by the CCD.

*Service-Disabled Veteran* means an Eligible Veteran who has been found to have 10 percent or more service connected disability by the United States Department of Veterans Affairs or the United States Department of Defense.

*Service-connected disability* means a disability incurred in the line of duty in the active military, naval or air service as described in 38 U.S.C. 101(16).

*Small Business* means a small business as defined by the U.S. Small Business Administration, pursuant to the business size standards found in 13 CFR Part 121, as related to the nature of the work the Person seeks to perform on Contracts. A Person is not an eligible small business enterprise in any calendar fiscal year in which its gross receipts, averaged over the Person's previous five fiscal years, exceed the size standards of 13 CFR Part 121.

**REQUEST FOR PREFERENCE**

\_\_\_\_\_ Bidder is requesting to receive a preference as a VBE. By requesting this preference, Bidder certifies that it meets the definition of a VBE, as set forth above and has included a copy of its certification.

\_\_\_\_\_ Bidder is requesting to receive a preference as a SDVBE. By requesting this preference, Bidder certifies that it meets The definition of a SDVBE, as set forth above and has included a copy of its certification.

\_\_\_\_\_  
Bidder (please print or type)

\_\_\_\_\_  
Title

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
E-mail address

\_\_\_\_\_  
Phone Number

Subscribed to and sworn before me  
this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

My commission expires:

X \_\_\_\_\_  
Notary Public Signature

\_\_\_\_\_  
Notary Seal

CONTRACT NO.

**COOK COUNTY  
ECONOMIC DISCLOSURE STATEMENT  
AND EXECUTION DOCUMENT  
INDEX**

<b>Section</b>	<b>Description</b>	<b>Pages</b>
1	Instructions for Completion of EDS	EDS i - ii
2	Certifications	EDS 1- 2
3	Economic and Other Disclosures, Affidavit of Child Support Obligations, Disclosure of Ownership Interest and Familial Relationship Disclosure Form	EDS 3 - 12
4	Cook County Affidavit for Wage Theft Ordinance	EDS 13-14
5	Contract and EDS Execution Page	EDS 15-17
6	Cook County Signature Page	EDS 18

CONTRACT NO.

**SECTION 1**  
**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 Proposer responding to a Request for Proposals, and every Respondent responding to a Request for Qualifications, and others as required by the Chief Procurement Officer. The execution of the EDS shall serve as the execution of a contract awarded by the County. The Chief Procurement Officer reserves the right to request that the Bidder or Proposer, or Respondent provide an updated EDS on an annual basis.

**Definitions.** 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, Request for Qualifications, as applicable.

*Affiliate* means a person that directly or indirectly through one or more intermediaries, Controls is Controlled by, or is under common Control with the Person specified.

*Applicant* means a person who executes this EDS.

*Bidder* means any person who submits a Bid.

*Code* means the Code of Ordinances, Cook County, Illinois available on municode.com.

*Contract* shall include any written document to make Procurements by or on behalf of Cook County.

*Contractor or Contracting Party* means a person that enters into a Contract with the County.

*Control* means the unfettered authority to directly or indirectly manage governance, administration, work, and all other aspects of a business.

*EDS* means this complete Economic Disclosure Statement and Execution Document, including all sections listed in the Index and any attachments.

*Joint Venture* means an association of two or more Persons proposing to perform a for-profit business enterprise. Joint Ventures must have an agreement in writing specifying the terms and conditions of the relationship between the partners and their relationship and respective responsibility for the Contract

*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 who lobbies.

*Person or Persons* means any individual, corporation, partnership, Joint Venture, trust, association, Limited Liability Company, sole proprietorship or other legal entity.

*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.

*Proposal* means a response to an RFP.

*Proposer* means a person submitting a Proposal.

*Response* means response to an RFQ.

*Respondent* means a person responding to an RFQ.

*RFP* means a Request for Proposals issued pursuant to this Procurement Code.

*RFQ* means a Request for Qualifications issued to obtain the qualifications of interested parties.

CONTRACT NO.

**INSTRUCTIONS FOR COMPLETION OF  
ECONOMIC DISCLOSURE STATEMENT AND EXECUTION DOCUMENT**

**Section 1: Instructions.** Section 1 sets forth the instructions for completing and executing this EDS.

**Section 2: Certifications.** Section 2 sets forth certifications that are required for contracting parties under the Code and other applicable laws. 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 3: Economic and Other Disclosures Statement.** Section 3 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 Applicant to the warranties, representations, agreements and acknowledgements contained therein.

**Required Updates.** The Applicant is required to keep all information provided in this EDS current and accurate. In the event of any change in the information provided, including but not limited to any change which would render inaccurate or incomplete any certification or statement made in this EDS, the Applicant shall supplement this EDS up to the time the County takes action, by filing an amended EDS or such other documentation as is required.

**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, and the Applicant is expected to comply fully with these ordinances. For further information please contact the Director of Ethics at (312) 603-4304 (69 W. Washington St. Suite 3040, Chicago, IL 60602) or visit the web-site at [cookcountyil.gov/ethics-board-of](http://cookcountyil.gov/ethics-board-of).

**Authorized Signers of Contract and EDS Execution Page.** If the Applicant is a corporation, the President and Secretary must execute the EDS. In the event that this EDS is executed by someone other than the President, attach hereto a certified copy of that section of the Corporate By-Laws or other authorization by the Corporation, satisfactory to the County that permits the person to execute EDS for said corporation. If the corporation is not registered in the State of Illinois, a copy of the Certificate of Good Standing from the state of incorporation must be submitted with this Signature Page.

If the Applicant is a partnership or joint venture, all partners or joint venturers must execute the EDS, unless one partner or joint venture has been authorized to sign for the partnership or joint venture, in which case, the partnership agreement, resolution or evidence of such authority satisfactory to the Office of the Chief Procurement Officer must be submitted with this Signature Page.

If the Applicant is a member-managed LLC all members must execute the EDS, unless otherwise provided in the operating agreement, resolution or other corporate documents. If the Applicant is a manager-managed LLC, the manager(s) must execute the EDS. The Applicant must attach either a certified copy of the operating agreement, resolution or other authorization, satisfactory to the County, demonstrating such person has the authority to execute the EDS on behalf of the LLC. If the LLC is not registered in the State of Illinois, a copy of a current Certificate of Good Standing from the state of incorporation must be submitted with this Signature Page.

If the Applicant is a Sole Proprietorship, the sole proprietor must execute the EDS.

A "Partnership" "Joint Venture" or "Sole Proprietorship" operating under an Assumed Name must be registered with the Illinois county in which it is located, as provided in 805 ILCS 405 (2012), and documentation evidencing registration must be submitted with the EDS.



CONTRACT NO.

## SECTION 2

CERTIFICATIONS

THE FOLLOWING CERTIFICATIONS ARE MADE PURSUANT TO STATE LAW AND THE CODE. THE APPLICANT IS CAUTIONED TO CAREFULLY READ THESE CERTIFICATIONS PRIOR TO SIGNING THE SIGNATURE PAGE. SIGNING THE SIGNATURE PAGE SHALL CONSTITUTE A WARRANTY BY THE APPLICANT 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 APPLICANT IS NOTIFIED THAT IF THE COUNTY LEARNS THAT ANY OF THE FOLLOWING CERTIFICATIONS WERE FALSELY MADE, THAT ANY CONTRACT ENTERED INTO WITH THE APPLICANT 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 APPLICANT HEREBY CERTIFIES THAT:** The Applicant has read the provisions of Section A, Persons and Entities Subject to Disqualification, that the Applicant has not committed any Prohibited Act set forth in Section A, and that award of the Contract to the Applicant would not violate the provisions of such Section or of the Code.

**B. BID-RIGGING OR BID ROTATING**

**THE APPLICANT HEREBY CERTIFIES THAT:** In accordance with 720 ILCS 5/33 E-11, neither the Applicant 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 APPLICANT HEREBY CERTIFIES THAT:** The Applicant will provide a drug free workplace, as required by (30 ILCS 580/3).

## CONTRACT NO.

**D. DELINQUENCY IN PAYMENT OF TAXES**

*THE APPLICANT HEREBY CERTIFIES THAT: The Applicant 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 34-171.*

**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 APPLICANT HEREBY CERTIFIES THAT: It is in compliance with 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. INSPECTOR GENERAL (COOK COUNTY CODE, CHAPTER 34, SECTION 34-174 and Section 34-250)**

The Applicant has not willfully failed to cooperate in an investigation by the Cook County Independent Inspector General or to report to the Independent Inspector General any and all information concerning conduct which they know to involve corruption, or other criminal activity, by another county employee or official, which concerns his or her office of employment or County related transaction.

The Applicant has reported directly and without any undue delay any suspected or known fraudulent activity in the County's Procurement process to the Office of the Cook County Inspector General.

**H. CAMPAIGN CONTRIBUTIONS (COOK COUNTY CODE, CHAPTER 2, SECTION 2-585)**

**THE APPLICANT CERTIFIES THAT:** It has read and shall comply with the Cook County's Ordinance concerning campaign contributions, which is codified at Chapter 2, Division 2, Subdivision II, Section 585, and can be read in its entirety at [www.municode.com](http://www.municode.com).

**I. GIFT BAN, (COOK COUNTY CODE, CHAPTER 2, SECTION 2-574)**

**THE APPLICANT CERTIFIES THAT:** It has read and shall comply with the Cook County's Ordinance concerning receiving and soliciting gifts and favors, which is codified at Chapter 2, Division 2, Subdivision II, Section 574, and can be read in its entirety at [www.municode.com](http://www.municode.com).

**J. LIVING WAGE ORDINANCE PREFERENCE (COOK COUNTY CODE, CHAPTER 34, SECTION 34-160;**

Unless expressly waived by the Cook County Board of Commissioners, 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 annually by the Chief Financial Officer of the County, and shall be posted on the Chief Procurement Officer's website.

The term "Contract" as used in Section 4, I, of this EDS, 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) Cook County Works Department;
- 4) Sheriff's Work Alternative Program; and
- 5) Department of Correction inmates.

CONTRACT NO.

SECTION 3

REQUIRED DISCLOSURES

1. DISCLOSURE OF LOBBYIST CONTACTS

List all persons that have made lobbying contacts on your behalf with respect to this contract:

Name	Address
NONE	
_____	_____
_____	_____

2. LOCAL BUSINESS PREFERENCE STATEMENT (CODE, CHAPTER 34, SECTION 34-230)

*Local business* means a Person, including a foreign corporation authorized to transact business in Illinois, having a bona fide establishment located within the County at which it is transacting business on the date when a Bid is submitted to the County, and which employs the majority of its regular, full-time work force within the County. A Joint Venture shall constitute a Local Business if one or more Persons that qualify as a "Local Business" hold interests totaling over 50 percent in the Joint Venture, even if the Joint Venture does not, at the time of the Bid submittal, have such a bona fide establishment within the County.

a) Is Applicant a "Local Business" as defined above?  
Yes:   X   No: \_\_\_\_\_

b) If yes, list business addresses within Cook County:  
  1900 Wright Boulevard Schaumburg, IL 60193    
\_\_\_\_\_  
\_\_\_\_\_

c) Does Applicant employ the majority of its regular full-time workforce within Cook County?  
Yes:   X   No: \_\_\_\_\_

3. THE CHILD SUPPORT ENFORCEMENT ORDINANCE (CODE, CHAPTER 34, SECTION 34-172)

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 (EDS-5) and complete the Affidavit, based on the instructions in the Affidavit.**

CONTRACT NO.

4. REAL ESTATE OWNERSHIP DISCLOSURES.

The Applicant 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 Applicant in Cook County:

PERMANENT INDEX NUMBER(S): N/A

(ATTACH SHEET IF NECESSARY TO LIST ADDITIONAL INDEX NUMBERS)

OR:

- b)  The Applicant owns no real estate in Cook County.

5. EXCEPTIONS TO CERTIFICATIONS OR DISCLOSURES.

If the Applicant 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 Applicant must explain below:

N/A

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 Applicant certified to all Certifications and other statements contained in this EDS.

CONTRACT NO.

COOK COUNTY DISCLOSURE OF OWNERSHIP INTEREST STATEMENT

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.

"Person" "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. A Person that holds stock or a beneficial interest in the Applicant and is listed on the Applicant's Statement (a "Holder") must file a Statement and complete #1 only under Ownership Interest Declaration.

Please print or type responses clearly and legibly. Add additional pages if needed, being careful to identify each portion of the form to which each additional page refers.

This Statement is being made by the [ X ] Applicant or [ ] Stock/Beneficial Interest Holder

This Statement is an: [ X ] Original Statement or [ ] Amended Statement

Identifying Information:

Name A Lamp Concrete Contractors, Inc.

D/B/A: FEIN NO.: 36-3929173

Street Address: 1900 Wright Boulevard

City: Schaumburg State: Illinois Zip Code: 60193

Phone No.: 847-891-6000 Fax Number: 847-891-1873 Email: jmoyer@alamconcrete.com

Cook County Business Registration Number: (Sole Proprietor, Joint Venture Partnership)

Corporate File Number (if applicable):

Form of Legal Entity:

- [ ] Sole Proprietor [ ] Partnership [X] 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 Person having a legal or beneficial interest (including ownership) of more than five percent (5%) in the Applicant/Holder.

Table with 3 columns: Name, Address, Percentage Interest in Applicant/Holder. Row 1: Adele Lampignano, 1900 Wright Boulevard Schaumburg, IL 60193, 100%

CONTRACT NO.

2. If the interest of any Person 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 [X] No  
If yes, state the name, address and percentage of beneficial interest of such person, and the relationship under which such control is being or may be exercised.

Name	Address	Percentage of Beneficial Interest	Relationship
N/A			

Corporate Officers, Members and Partners Information:

For all corporations, list the names, addresses, and terms for all corporate officers. For all limited liability companies, list the names, addresses for all members. For all partnerships and joint ventures, list the names, addresses, for each partner or joint venture.

Name	Address	Title (specify title of Office, or whether manager or partner/joint venture)	Term of Office
Adele Lampignano	1900 Wright Blvd Schaumburg, IL 60193	President, Secretary, Treasurer	22 years

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.

[X] 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)

Adele Lampignano  
Signature

jmoyer@alamconcrete.com  
E-mail address

President  
Title

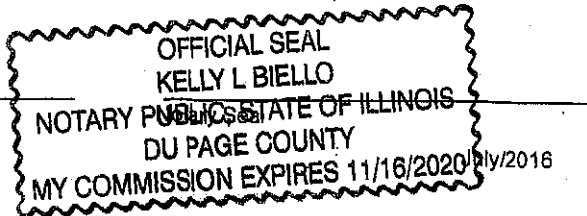
January 11, 2017  
Date

847-891-6000  
Phone Number

Subscribed to and sworn before me this 11 day of January, 2017.

My commission expires: 11/16/2020

x Kelly L Biello  
Notary Public Signature



CONTRACT NO.



COOK COUNTY BOARD OF ETHICS  
69 W. WASHINGTON STREET, SUITE 3040  
CHICAGO, ILLINOIS 60602  
312/603-4304 Office 312/603-9988 Fax

### FAMILIAL RELATIONSHIP DISCLOSURE PROVISION

#### Nepotism Disclosure Requirement:

Doing a significant amount of business with the County requires that you disclose to the Board of Ethics the existence of any familial relationships with any County employee or any person holding elective office in the State of Illinois, the County, or in any municipality within the County. The Ethics Ordinance defines a significant amount of business for the purpose of this disclosure requirement as more than \$25,000 in aggregate County leases, contracts, purchases or sales in any calendar year.

If you are unsure of whether the business you do with the County or a County agency will cross this threshold, err on the side of caution by completing the attached familial disclosure form because, among other potential penalties, any person found guilty of failing to make a required disclosure or knowingly filing a false, misleading, or incomplete disclosure will be prohibited from doing any business with the County for a period of three years. The required disclosure should be filed with the Board of Ethics by January 1 of each calendar year in which you are doing business with the County and again with each bid/proposal/quotation to do business with Cook County. The Board of Ethics may assess a late filing fee of \$100 per day after an initial 30-day grace period.

The person that is doing business with the County must disclose his or her familial relationships. If the person on the County lease or contract or purchasing from or selling to the County is a business entity, then the business entity must disclose the familial relationships of the individuals who are and, during the year prior to doing business with the County, were:

- its board of directors,
- its officers,
- its employees or independent contractors responsible for the general administration of the entity,
- its agents authorized to execute documents on behalf of the entity, and
- its employees who directly engage or engaged in doing work with the County on behalf of the entity.

Do not hesitate to contact the Board of Ethics at (312) 603-4304 for assistance in determining the scope of any required familial relationship disclosure.

#### Additional Definitions:

"*Familial relationship*" means a person who is a spouse, domestic partner or civil union partner of a County employee or State, County or municipal official, or any person who is related to such an employee or official, whether by blood, marriage or adoption, as a:

- |                                  |  |                                       |
|----------------------------------|--|---------------------------------------|
| <input type="checkbox"/> Parent  | <input type="checkbox"/> Grandparent     | <input type="checkbox"/> Stepfather   |
| <input type="checkbox"/> Child   | <input type="checkbox"/> Grandchild      | <input type="checkbox"/> Stepmother   |
| <input type="checkbox"/> Brother | <input type="checkbox"/> Father-in-law   | <input type="checkbox"/> Stepson      |
| <input type="checkbox"/> Sister  | <input type="checkbox"/> Mother-in-law   | <input type="checkbox"/> Stepdaughter |
| <input type="checkbox"/> Aunt    | <input type="checkbox"/> Son-in-law      | <input type="checkbox"/> Stepbrother  |
| <input type="checkbox"/> Uncle   | <input type="checkbox"/> Daughter-in-law | <input type="checkbox"/> Stepsister   |
| <input type="checkbox"/> Niece   | <input type="checkbox"/> Brother-in-law  | <input type="checkbox"/> Half-brother |
| <input type="checkbox"/> Nephew  | <input type="checkbox"/> Sister-in-law   | <input type="checkbox"/> Half-sister  |

CONTRACT NO.

**COOK COUNTY BOARD OF ETHICS  
FAMILIAL RELATIONSHIP DISCLOSURE FORM**

**A. PERSON DOING OR SEEKING TO DO BUSINESS WITH THE COUNTY**Name of Person Doing Business with the County: A Lamp Concrete Contractors, Inc.Address of Person Doing Business with the County: 1900 Wright Boulevard Schaumburg, IL 60193Phone number of Person Doing Business with the County: 847-891-6000Email address of Person Doing Business with the County: jmoyer@alamppconcrete.com

If Person Doing Business with the County is a Business Entity, provide the name, title and contact information for the individual completing this disclosure on behalf of the Person Doing Business with the County:

Adele Lampignano President 1900 Wright Boulevard Schaumburg, IL 60193 847-891-6000**B. DESCRIPTION OF BUSINESS WITH THE COUNTY***Append additional pages as needed and for each County lease, contract, purchase or sale sought and/or obtained during the calendar year of this disclosure (or the preceding calendar year if disclosure is made on January 1), identify:*

The lease number, contract number, purchase order number, request for proposal number and/or request for qualification number associated with the business you are doing or seeking to do with the County: \_\_\_\_\_

The aggregate dollar value of the business you are doing or seeking to do with the County: \$ 889,351.29

The name, title and contact information for the County official(s) or employee(s) involved in negotiating the business you are doing or seeking to do with the County: \_\_\_\_\_

Lillian Lee

The name, title and contact information for the County official(s) or employee(s) involved in managing the business you are doing or seeking to do with the County: \_\_\_\_\_

Shannon Andrews, CFO**C. DISCLOSURE OF FAMILIAL RELATIONSHIPS WITH COUNTY EMPLOYEES OR STATE, COUNTY OR MUNICIPAL ELECTED OFFICIALS***Check the box that applies and provide related information where needed*

- The Person Doing Business with the County is an individual and there is no familial relationship between this individual and any Cook County employee or any person holding elective office in the State of Illinois, Cook County, or any municipality within Cook County.
- The Person Doing Business with the County is a business entity and there is no familial relationship between any member of this business entity's board of directors, officers, persons responsible for general administration of the business entity, agents authorized to execute documents on behalf of the business entity or employees directly engaged in contractual work with the County on behalf of the business entity, and any Cook County employee or any person holding elective office in the State of Illinois, Cook County, or any municipality within Cook County.



CONTRACT NO.

**COOK COUNTY BOARD OF ETHICS  
FAMILIAL RELATIONSHIP DISCLOSURE FORM**

- The Person Doing Business with the County is an individual and there is a familial relationship between this individual and at least one Cook County employee and/or a person or persons holding elective office in the State of Illinois, Cook County, and/or any municipality within Cook County. The familial relationships are as follows:

Name of Individual Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship
	N/A		

*If more space is needed, attach an additional sheet following the above format.*

- The Person Doing Business with the County is a business entity and there is a familial relationship between at least one member of this business entity's board of directors, officers, persons responsible for general administration of the business entity, agents authorized to execute documents on behalf of the business entity and/or employees directly engaged in contractual work with the County on behalf of the business entity, on the one hand, and at least one Cook County employee and/or a person holding elective office in the State of Illinois, Cook County, and/or any municipality within Cook County, on the other. The familial relationships are as follows:

Name of Member of Board of Director for Business Entity Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship
	N/A		

Name of Officer for Business Entity Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship
	N/A		

CONTRACT NO.

Name of Person Responsible for the General Administration of the Business Entity Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship*
_____	N/A	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Name of Agent Authorized to Execute Documents for Business Entity Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship*
_____	N/A	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Name of Employee of Business Entity Directly Engaged in Doing Business with the County	Name of Related County Employee or State, County or Municipal Elected Official	Title and Position of Related County Employee or State, County or Municipal Elected Official	Nature of Familial Relationship*
_____	N/A	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

*If more space is needed, attach an additional sheet following the above format.*

**VERIFICATION:** To the best of my knowledge, the information I have provided on this disclosure form is accurate and complete. I acknowledge that an inaccurate or incomplete disclosure is punishable by law, including but not limited to fines and debarment.

*Adele Lampignano*  
 Signature of Recipient **Adele Lampignano, President**

January 11, 2017  
 Date

**SUBMIT COMPLETED FORM TO:** Cook County Board of Ethics  
 69 West Washington Street, Suite 3040, Chicago, Illinois 60602  
 Office (312) 603-4304 Fax (312) 603-9988  
 CookCounty.Ethics@cookcountyil.gov

\* Spouse, domestic partner, civil union partner or parent, child, sibling, aunt, uncle, niece, nephew, grandparent or grandchild by blood, marriage (i.e. in laws and step relations) or adoption.

CONTRACT NO.

SECTION 4

**COOK COUNTY AFFIDAVIT FOR WAGE THEFT ORDINANCE**

Effective May 1, 2015, every Person, **including Substantial Owners**, seeking a Contract with Cook County must comply with the Cook County Wage Theft Ordinance set forth in Chapter 34, Article IV, Section 179. Any Person/Substantial Owner, who fails to comply with Cook County Wage Theft Ordinance, may request that the Chief Procurement Officer grant a reduction or waiver in accordance with Section 34-179(d).

"Contract" means any written document to make Procurements by or on behalf of Cook County.

"Person" means any individual, corporation, partnership, Joint Venture, trust, association, limited liability company, sole proprietorship or other legal entity.

"Procurement" means obtaining supplies, equipment, goods, or services of any kind.

"Substantial Owner" means any person or persons who own or hold a twenty-five percent (25%) or more percentage of interest in any business entity seeking a County Privilege, including those shareholders, general or limited partners, beneficiaries and principals; except where a business entity is an individual or sole proprietorship, Substantial Owner means that individual or sole proprietor.

All Persons/Substantial Owners are required to complete this affidavit and comply with the Cook County Wage Theft Ordinance before any Contract is awarded. Signature of this form constitutes a certification the information provided below is correct and complete, and that the individual(s) signing this form has/have personal knowledge of such information.

**I. Contract Information:**

Contract Number: 1685-15811

County Using Agency (requesting Procurement): Cook County Department of Transportation & Highways

**II. Person/Substantial Owner Information:**

Person (Corporate Entity Name): A Lamp Concrete Contractors, Inc.

Substantial Owner Complete Name: Adele Lampignano

FEIN# 36-3929173

Date of Birth: \_\_\_\_\_

E-mail address: jmoyer@alamconcrete.com

Street Address: 1900 Wright Boulevard

City: Schaumburg

State: Illinois Zip: 60193

Home Phone: (847) 891-6000

Driver's License No: N/A

**III. Compliance with Wage Laws:**

Within the past five years has the Person/Substantial Owner, in any judicial or administrative proceeding, been convicted of, entered a plea, made an admission of guilt or liability, or had an administrative finding made for committing a repeated or willful violation of any of the following laws:

Illinois Wage Payment and Collection Act, 820 ILCS 115/1 et seq., YES or **NO**

Illinois Minimum Wage Act, 820 ILCS 105/1 et seq., YES or **NO**

Illinois Worker Adjustment and Retraining Notification Act, 820 ILCS 65/1 et seq., YES or **NO**

Employee Classification Act, 820 ILCS 185/1 et seq., YES or **NO**

Fair Labor Standards Act of 1938, 29 U.S.C. 201, et seq., YES or **NO**

Any comparable state statute or regulation of any state, which governs the payment of wages YES or **NO**

If the Person/Substantial Owner answered "Yes" to any of the questions above, it is ineligible to enter into a Contract with Cook County, but can request a reduction or waiver under Section IV.

CONTRACT NO.

IV. Request for Waiver or Reduction

If Person/Substantial Owner answered "Yes" to any of the questions above, it may request a reduction or waiver in accordance with Section 34-179(d), provided that the request for reduction of waiver is made on the basis of one or more of the following actions that have taken place:

There has been a bona fide change in ownership or Control of the ineligible Person or Substantial Owner  
YES or NO

Disciplinary action has been taken against the individual(s) responsible for the acts giving rise to the violation  
YES or NO

Remedial action has been taken to prevent a recurrence of the acts giving rise to the disqualification or default  
YES or NO

Other factors that the Person or Substantial Owner believe are relevant.  
YES or NO

The Person/Substantial Owner must submit documentation to support the basis of its request for a reduction or waiver. The Chief Procurement Officer reserves the right to make additional inquiries and request additional documentation.

V. Affirmation

The Person/Substantial Owner affirms that all statements contained in the Affidavit are true, accurate and complete.

Signature: Adele Lampignano Date: January 11, 2017

Name of Person signing (Print): Adele Lampignano Title: President

Subscribed and sworn to before me this 11th day of January, 20 17

Melby L. Biello  
Notary Public Signature



Note: The above information is subject to verification prior to the award of the contract.

399 EDS 14  
400 EDS 15

SECTION 5

CONTRACT AND EDS EXECUTION PAGE  
**PLEASE EXECUTE THREE ORIGINAL COPIES**

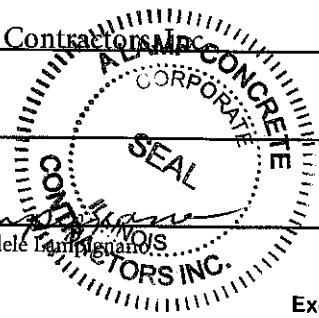
The Applicant hereby certifies and warrants that all of the statements, certifications and representations set forth in this EDS are true, complete and correct; that the Applicant is in full compliance and will continue to be in compliance throughout the term of the Contract or County Privilege issued to the Applicant with all the policies and requirements set forth in this EDS; and that all facts and information provided by the Applicant in this EDS are true, complete and correct. The Applicant agrees to inform the Chief Procurement Officer in writing if any of such statements, certifications, representations, facts or information becomes or is found to be untrue, incomplete or incorrect during the term of the Contract or County Privilege.

Execution by Corporation

A Lamp Concrete Contractors, Inc.  
Corporation's Name

847-891-6000  
Telephone

*Adele Lampignano*  
Secretary Signature Adele Lampignano



*Adele Lampignano*  
President's Printed Name and Signature Adele Lampignano

jmoyer@alamconcretecontractors.com  
Email

January 11, 2017  
Date

Execution by LLC

\_\_\_\_\_  
LLC Name

\_\_\_\_\_  
Date

\_\_\_\_\_  
\*Member/Manager Printed Name and Signature

\_\_\_\_\_  
Telephone and Email

Execution by Partnership/Joint Venture

\_\_\_\_\_  
Partnership/Joint Venture Name

\_\_\_\_\_  
Date

\_\_\_\_\_  
\*Partner/Joint Venturer Printed Name and Signature

\_\_\_\_\_  
Telephone and Email

Execution by Sole Proprietorship

\_\_\_\_\_  
Printed Name Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Assumed Name (if applicable)

\_\_\_\_\_  
Telephone and Email

Subscribed and sworn to before me this 11th day of January, 2017.

My commission expires: 11/16/2020

\_\_\_\_\_  
Notary Public Signature

\_\_\_\_\_  
Notary Seal

If the operating agreement, partnership agreement or governing documents requiring execution by multiple members, managers, partners, or joint venturers, please complete and execute additional Contract and EDS Execution Pages.

CONTRACT NO. 1685-15811

SECTION 6  
COOK COUNTY SIGNATURE PAGE

ON BEHALF OF THE COUNTY OF COOK, A BODY POLITIC AND CORPORATE OF THE STATE OF ILLINOIS, THIS CONTRACT IS HEREBY EXECUTED BY:

*John E. M.*

COOK COUNTY CHIEF PROCUREMENT OFFICER

DATED AT CHICAGO, ILLINOIS THIS 24 DAY OF April, 2017

IN THE CASE OF A BID/ PROPOSAL/RESPONSE, THE COUNTY HEREBY ACCEPTS:

THE FOREGOING BID/PROPOSAL/RESPONSE AS IDENTIFIED IN THE CONTRACT DOCUMENTS FOR CONTRACT NUMBER

1685-15811

OR

ITEM(S), SECTION(S), PART(S): SECTION 14-V6039-02-TL

TOTAL AMOUNT OF CONTRACT: \$ 889,351.29

(DOLLARS AND CENTS)

FUND CHARGEABLE: \_\_\_\_\_

APPROVED AS TO FORM:

*N/A*

ASSISTANT STATE'S ATTORNEY  
(Required on contracts over \$1,000,000.00)

APPROVED BY THE BOARD OF  
COOK COUNTY COMMISSIONERS

APR 12 2017

**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)

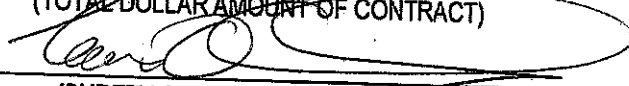
would execute a Performance/Payment Bond in favor of the County of Cook for the full amount

of the bid/contract: 1685-15211  
(NUMBER)

to: A. Lamp Concrete Contractors, Inc.  
(BIDDER)

The penalty of this bond is to be \$ 897,351.29  
(TOTAL DOLLAR AMOUNT OF CONTRACT)

SURETY

  
(SURETY COMPANY'S AUTHORIZED SIGNATURE)

CORPORATE

Thomas O. Chambers, Attorney-in-Fact  
(ATTORNEY-IN-FACT)

02225                      22292  
AMB #                      NAIC

SEAL



COOK COUNTY DEPARTMENT OF TRANSPORTATION AND HIGHWAYS  
TRUST AGREEMENT

THIS TRUST AGREEMENT is made and entered into by and between the County of Cook, by and through the Department of Transportation and Highways, whose address is 69 West Washington, Suite 2300, Chicago, Illinois, 60602, hereinafter called the COUNTY, and A Lamp Concrete Contractors, Inc. whose address is 1900 Wright Boulevard Schaumburg, IL hereinafter called the CONTRACTOR, and BARRINGTON BANK & Trust N.A., a FINANCIAL INSTITUTION or trust company located in Cook County, whose deposits are insured by an agency or instrumentality of the federal government and whose address is 201 S. Hough St. BARRINGTON, IL, phone number (847) 842-2500 hereinafter called the FINANCIAL INSTITUTION. The contact person for the FINANCIAL INSTITUTION is: Nick Howard. The account number in which the funds are held is: 41469.

WITNESSETH:

WHEREAS the COUNTY has awarded to the CONTRACTOR:

ROSELLE ROAD at SCHAUMBURG ROAD

Section: 14-V6039-02-TL

Route: V60

Township: Schaumburg

COOK COUNTY PROCUREMENT CONTRACT NO.: 1685-15811

providing for the construction of a COUNTY highway improvement for a total price of \$ 889,351.29 dollars; and

WHEREAS under Section 5-409 of the Illinois Highway Code, as amended, the COUNTY is authorized to make progress payments as the CONTRACTOR performs the work under the contract and may retain a percentage of progress payments; and

WHEREAS the COUNTY may, at the request of CONTRACTOR, deposit the retainage under a Trust Agreement with a FINANCIAL INSTITUTION of the CONTRACTOR'S choice which is located in Cook County and has been approved for the deposit of such funds by the Superintendent of the Cook County Department of Transportation and Highways pursuant to Cook County Code Section 34-36; and

WHEREAS by execution of this Agreement, the CONTRACTOR and said FINANCIAL INSTITUTION request that the retainage be deposited with said FINANCIAL INSTITUTION as provided by law,

NOW THEREFORE, the parties do hereby agree that:

1. This Agreement shall not change any of the rights, duties, privileges or responsibilities of the parties to the above-referenced construction contract, except as may be provided herein.
2. Notwithstanding the provisions of this Agreement, the COUNTY may withhold progress payments or any portion thereof on account of lien claims, liquidated damages, or as may otherwise be provided by the above contract or by law.
3. All progress payments, including final payment under the above contract, shall be made by COUNTY warrants payable to the CONTRACTOR and FINANCIAL INSTITUTION, as trustee, jointly, and such payments shall be sent to the FINANCIAL INSTITUTION at the above address.

(CCDOTH) G1 Trust Agreement

May 20, 2015



4. The progress payments shall specify on a copy of the COUNTY'S invoice to be mailed with the warrant the amount thereof to be paid to the CONTRACTOR and the amount to be held by the FINANCIAL INSTITUTION as retainage under this Agreement.
  5. The money so held by the FINANCIAL INSTITUTION shall be described as "retainage" and shall be held in trust according to the terms of this Agreement. Interest earned on the retainage may be paid to the CONTRACTOR as it accrues or as the FINANCIAL INSTITUTION'S policy permits.
  6. The principal balance of the retainage, or any part thereof, shall not be paid over to the CONTRACTOR except upon written directive to the FINANCIAL INSTITUTION by the COUNTY.
  7. The FINANCIAL INSTITUTION may invest or reinvest said retainage in:
    - a. Certificates of Deposit issued by a financial institution whose principal office is located in Cook County, including this FINANCIAL INSTITUTION;
    - b. United States Government Bonds;
    - c. United States Treasury Notes;
    - d. United States Treasury Bills;
    - e. Time Deposit on Open Account.
- Provided, however, that the investment of said retainage shall not relieve the FINANCIAL INSTITUTION from the return or repayment of such funds within ninety (90) days as provided in this Agreement.
8. Retainage is the property of the COUNTY until notice of final payment, and the principal amount, or any part thereof, shall not be pledged or used as security for any purpose.
  9. The COUNTY shall be the sole judge of return or repayment of the funds to the Cook County Treasurer. Upon written demand made by the COUNTY to the FINANCIAL INSTITUTION for the return or repayment of the retainage, the FINANCIAL INSTITUTION shall make such return or repayment regardless of whether the COUNTY shall state any reason therefor and without imposition of any other requirements or conditions. The funds shall not be transferred by the FINANCIAL INSTITUTION without the approval of the COUNTY.
  10. The repayment or return of retainage to the COUNTY shall be by check from the FINANCIAL INSTITUTION payable to the Treasurer of Cook County and shall be mailed to the COUNTY within ninety (90) days after the COUNTY'S demand.
  11. The CONTRACTOR does not waive or release any rights he has against the COUNTY for breach of contract, including this Agreement, by reason of the repayment by the FINANCIAL INSTITUTION to the COUNTY on account of demand made by the COUNTY.
  12. In the event demand for the retainage is made under this Agreement by the COUNTY, the COUNTY may specify, in its sole judgment, the amount to be repaid or returned as all or part of the principal balance of the retainage. This Agreement shall continue as to any retainage not returned to the COUNTY and any future payments by the COUNTY to the CONTRACTOR.
  13. Upon return or repayment of the full principal balance of the retainage to the COUNTY, this Agreement shall terminate and have no further force or effect.
  14. The FINANCIAL INSTITUTION shall confirm and provide account balances each year by June 30<sup>th</sup> to: The Cook County Department of Transportation and Highways, Bureau Chief of Construction at 69 West Washington Street, 23<sup>rd</sup> Floor, Chicago, Illinois 60602. The FINANCIAL INSTITUTION'S failure to comply with this provision shall be reason to demand return of the retainage pursuant to this Agreement.
  15. At no time shall any balance(s) on the account be escheated.
  16. The COUNTY shall provide notice of final payment to the FINANCIAL INSTITUTION and the CONTRACTOR. When said final payment is made, this Agreement shall be terminated and the retainage or interest thereon shall be paid to the CONTRACTOR by the FINANCIAL INSTITUTION. The COUNTY and the CONTRACTOR agree that the date of mailing such notice of final payment to the FINANCIAL INSTITUTION shall constitute the date of final payment to the CONTRACTOR under the contract. Any provisions of the contract regarding final payment shall be deemed to have been complied with regardless of any delay in the CONTRACTOR'S receiving said final payment or any retainage and interest thereon from the FINANCIAL INSTITUTION.

17. The FINANCIAL INSTITUTION shall look only to the CONTRACTOR to pay any costs or fees for either its services or expenses hereunder and no deduction shall be made therefor for any retainage or interest thereon except such deduction that may be made after final payment has been made.

18. Failure of the FINANCIAL INSTITUTION to comply with any of the terms of this Agreement shall be cause for the COUNTY to refuse approval of the FINANCIAL INSTITUTION as a party to any future Trust Agreements.

IN WITNESS WHEREOF the parties to this Trust Agreement have hereunder signed and executed this Trust Agreement this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_  
(To be dated by the COUNTY.)

CONTRACTOR

A Lamp Concrete Contractors, Inc.  
Company Name

By: Adele Lampignano  
Printed Name: Adele Lampignano  
Title: President

ATTEST: Adele Lampignano  
Printed Name: Adele Lampignano  
Title: Secretary

CONTRACTOR (IF JOINT VENTURE)

\_\_\_\_\_  
Company Name

By: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Title: \_\_\_\_\_

ATTEST: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Title: \_\_\_\_\_

FINANCIAL INSTITUTION

Barrington Bank & Trust N.A.

By: Nick Howard  
Printed Name: NICK HOWARD  
Title: Senior Vice President

ATTEST: Kelly Printz  
Printed Name: Kelly Printz  
Title: SVP

CONTRACTOR (IF JOINT VENTURE)

\_\_\_\_\_  
Company Name

By: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Title: \_\_\_\_\_

ATTEST: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Title: \_\_\_\_\_

CONTRACTOR (IF JOINT VENTURE)

\_\_\_\_\_  
Company Name

By: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Title: \_\_\_\_\_

ATTEST: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Title: \_\_\_\_\_

COOK COUNTY

DEPARTMENT OF TRANSPORTATION AND HIGHWAYS

By: John Young  
Superintendent

Bond No. 1848988

**PERFORMANCE AND PAYMENT BOND TO THE COUNTY OF COOK**

Know All Men by These Presence, That we, A. Lamp Concrete Contractors, Inc.  
as principle, and The Hanover Insurance Company

\_\_\_\_\_ as surety, are  
held and firmly bound unto the County of Cook in the penal sum of Eight Hundred Eighty-Nine Thousand  
Three Hundred Fifty-One and 29/100-- Dollars (\$ 889,351.29 ), lawful money of the  
United States of America, for the payment of which sum of money well and truly to be made, we bind ourselves, our  
respective heirs, executors, administrators, successors and assigns, firmly, by these presences.

Signed, sealed, and delivered this 25th day of January A.D. 20 17

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH, That whereas, the above bounded principle  
entered into a certain contract with the County of Cook, bearing date the day of January 25, 2017  
for

**ROSELLE ROAD at SCHAUMBURG ROAD**  
Section: 14-V6039-02-TL  
Route: V60  
Township: Schaumburg  
COOK COUNTY PROCUREMENT CONTRACT NO.:1685-15811

The terms and conditions of the Illinois Public Construction Bond Act, 30 ILCS 550

The terms and conditions of the Illinois Public Construction Bond Act, 30 ILCS 550 *et seq.* are hereby  
incorporated by reference.

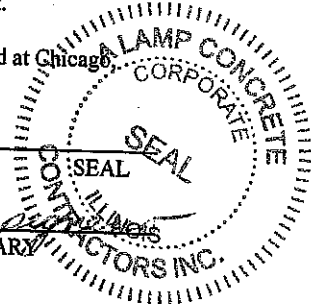
It is hereby expressly understood and agreed, and made a condition hereof, that any judgment rendered in  
favor of any person not a party to said contract against the County of Cook in any suit arising out of said contract or  
its performance, when reasonable notice of the pendency of such suit shall have been given to said principle and to  
said surety, shall be conclusive against said principle and said surety as to both liability and amount.

In Witness Whereof, said parties hereto have caused this bond to be executed and delivered at Chicago,  
Illinois, all on the day and year first above written.

**A. Lamp Concrete Contractors, Inc.**  
PRINCIPAL/CONTRACTOR

By Adele Lampignano  
PRESIDENT Adele Lampignano

Adele Lampignano  
SECRETARY



**The Hanover Insurance Company**

SURETY

SEAL

By Thomas O. Chambers  
SURETY/ATTORNEY-IN-FACT Thomas O. Chambers  
(ATTACH POWER OF ATTORNEY)

02225  
AMB#

22292  
NAIC#

Approved as to form:

By: Janice DeWitt  
ASSISTANT STATES ATTORNEY  
PW5.18

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, recognizances, 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

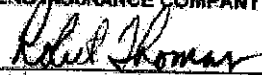
and said companies hereby ratify and confirm all and whatsoever said Attorney(s)-in-fact may lawfully do in the premises by virtue of these presents. These appointments are made under and by authority of the following Resolution passed by the Board of Directors of said Companies which resolutions are still in effect:

"RESOLVED, That the President or any Vice President, in conjunction with any 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, recognizances, 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 two Vice Presidents, this 1st day of March 2012.



THE HANOVER INSURANCE COMPANY  
MASSACHUSETTS BAY INSURANCE COMPANY  
CITIZENS INSURANCE COMPANY OF AMERICA


  
Robert Thomas, Vice President

  
Joe Brenstrom, Vice President

THE COMMONWEALTH OF MASSACHUSETTS )  
COUNTY OF WORCESTER ) ss.

On this 1st day of March 2012 before me came the above named Vice Presidents 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 A. Garlick, Notary Public  
My Commission Expires September 21, 2018


I, the undersigned 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 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 25th day of January 2017

THE HANOVER INSURANCE COMPANY  
MASSACHUSETTS BAY INSURANCE COMPANY  
CITIZENS INSURANCE COMPANY OF AMERICA

  
Glenn Margosian, Vice President

STATE OF WISCONSIN )

COUNTY OF Racine )

ON THIS 25th day of January, 2017,

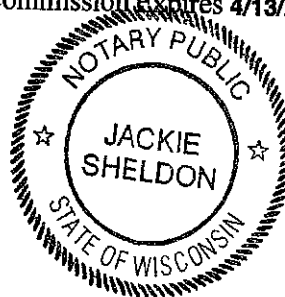
before me, a notary public, within and for said County and State, personally appeared Thomas O. Chambers to me personally known, who being duly sworn, upon oath did say that he is the Attorney-in-Fact of and for the The Hanover Insurance Company, a corporation of New Hampshire, created, organized and 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.

*Jackie Sheldon*

**Jackie Sheldon**

Notary Public, **Racine** County, Wisconsin

My Commission Expires **4/13/2019**



**CONTRACT  
(SECTION 10)**

This AGREEMENT made and entered into this by and between the County of Cook, party of the first part and hereinafter called County, A Lamp 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

**ROSELLE ROAD at SCHAUMBURG ROAD  
Section: 14-V6039-02-TL  
Route: V60  
Township: Schaumburg  
COOK COUNTY PROCUREMENT CONTRACT NO.: 1685-15811**

at his own cost and expense, free from all liens, claims, and charges whatsoever, and in a good substantial, thorough and workmanlike manner, and in strict and full accordance, conformity and compliance with all the terms and conditions of this contract and the requirements under it of the Superintendent of Department of Transportation and Highways of Cook County, Illinois, and under the direction and to the satisfaction of the said Superintendent of Department of Transportation and Highways.

It is expressly understood and agreed by and between said County and said Contractor that the Bid hereto attached and Notice to Contractors, Specifications, Plans, Maps, Blue Prints, and Drawings, on file in the Office of the Superintendent of Department of Transportation and Highways of Cook County, Illinois, and in the office of the Department of Transportation, Springfield, Illinois, copies of which are hereto attached, hereby are included in and made a part of this contract.

The Contractor shall not begin construction operations until the contract has been approved by the Board of Cook County Commissioners and fully executed by the County. Subsequent to contract execution, the Contractor will be notified by a notice-to-proceed letter from the Superintendent of Cook County Department of Transportation of Highways to commence operations on a specified date. The undersigned agrees to start construction operations on the date specified and to complete the proposed improvement in full compliance with the contract on or before **September 15, 2017**. The contract period is **April 19, 2017** through **August 1, 2019**.

The Superintendent of Cook County Department of Transportation and 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 Superintendent of Department of Transportation and 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 Superintendent of Department of Transportation and Highways to protect said County in its payments, and any such statement shall not be binding upon said Superintendent of Department of Transportation and 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 Superintendent of Department of Transportation and 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 Superintendent of Department of Transportation and 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 Superintendent of Department of Transportation and 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 Superintendent of Department of Transportation and 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  
EXHIBIT A  
SCHEDULING**

It is understood that time is of the essence to the contract. The following project milestones will apply to this contract. Failure to meet milestone dates listed below will result in liquidated damages being applied in accordance with Article 108.09 of the Standard Specifications. An extension of time for each requirement may be granted in accordance with Section 108.08 of the Standard Specifications.

**Milestone 1**

**Requirement:** Submittal of Paperwork including Progress Schedule, Request of Approval of Subcontractors and Request for Approval of Suppliers.

**Due Date:** 2 WEEKS FROM NOTICE TO PROCEED

**Milestone 2**

**Requirement:** Substantial Completion of Project and Pre-Final Inspection Except for Sodding and Landscaping

**Due Date:** August 1, 2017

**Milestone 3**

**Requirement:** Completion of All Punch List Work, Final Inspection and Acceptance Except for Sodding and Landscaping.

**Restrictions:** Completion of all punch list work, final inspection and acceptance within 30 Calendar days from the Pre-Final inspection.

**Due Date:** September 1, 2017

**Milestone 4**

**Requirement:** Completion of All Punch List Work and Final Inspection and Acceptance  
Except for Sodding and Landscaping

**Due Date:** September 15, 2017

**Milestone 5**

**Requirement:** Return the Final Construction Report (Form 69) with any changes indicated, initialed and dated on the report and include any and all pertinent information to substantiate any changes.

**Restrictions:** Return the Final Construction Report (Form 69) within 21 days of receipt.

**Due Date:** February 1, 2018

**Milestone 6**

**Requirement:** Submittal of All Required Closeout Paperwork including but not limited to Contractor's Affidavit (BC 141), Affidavit of Subcontractors or Material Supplier (BC 151) for all subcontractors and suppliers utilized for this contract, D//M/WBE Payment Agreement (SBE 2115) for all minority subcontractors and all required missing documentation as indicated in the Final Construction Report (Form 69).

**Due Date:** August 1, 2018

Contractor:

A Lamp Concrete Contractors, Inc.

412

ROSELLE ROAD  
AT SCHAUMBURG ROAD  
Section No.: 14-V6039-02-TL

SCHEDULE OF PRICES

ITEM NO.	PAY CODE	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
1	20100110	54	UNIT	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	\$ 20.50	\$ 1,107-
2	20101000	40	FOOT	TEMPORARY FENCE	\$ 5-	\$ 200-
3	20101200	1	EACH	TREE ROOT PRUNING	\$ 20	\$ 20
4	20101300	1	EACH	TREE PRUNING (1 TO 10 INCH DIAMETER)	\$ 20	\$ 20
5	20200100	723	CU YD	EARTH EXCAVATION	\$ 30	\$ 21,690-
6	20201200	314	CU YD	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	\$ 15-	\$ 4,710-
7	20400800	39	CU YD	FURNISHED EXCAVATION	\$ 1-	\$ 39-
8	20800150	8	CU YD	TRENCH BACKFILL	\$ 50-	\$ 400-
9	21001000	866	SQ YD	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	\$ .75	\$ 649.50-
10	21101615	510	SQ YD	TOPSOIL FURNISH AND PLACE, 4"	\$ 5.50	\$ 2805-
11	25000400	7	POUND	NITROGEN FERTILIZER NUTRIENT	\$ 1-	\$ 7-
12	25000500	7	POUND	PHOSPHORUS FERTILIZER NUTRIENT	\$ 1-	\$ 7-
13	25000600	7	POUND	POTASSIUM FERTILIZER NUTRIENT	\$ 1-	\$ 7-
14	25200110	510	SQ YD	SODDING, SALT TOLERANT	\$ 7.80	\$ 3978-
15	25200200	2	UNIT	SUPPLEMENTAL WATERING	\$ 10-	\$ 20-
16	28000510	10	EACH	INLET FILTERS	\$ 20-	\$ 200-

Contractor:

A Lamp Concrete Contractors, Inc.

ROSELLE ROAD  
AT SCHAUMBURG ROAD  
Section No.: 14-V6039-02-TL

## SCHEDULE OF PRICES

ITEM NO.	PAY CODE	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
17	35101600	731	SQ YD	AGGREGATE BASE COURSE, TYPE B 4"	\$ 5.80	\$ 4,239.80
18	42000501	477	SQ YD	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	\$ 66.50	\$ 31,720.50
19	42001300	1,209	SQ YD	PROTECTIVE COAT	\$ .01	\$ 12.09
20	42400200	4,192	SQ FT	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	\$ 6.50	\$ 27,248-
21	42400800	89	SQ FT	DETECTABLE WARNINGS	\$ 30-	\$ 2,670-
22	44000500	733	FOOT	COMBINATION CURB AND GUTTER REMOVAL	\$ 3-	\$ 2,199-
23	44000600	4,801	SQ FT	SIDEWALK REMOVAL	\$ 1.10	\$ 5,281.10
24	44003100	227	SQ FT	MEDIAN REMOVAL	\$ 11.50	\$ 2,610.50
25	55100500	9	FOOT	STORM SEWER REMOVAL 12"	\$ 10	\$ 90-
26	56103000	6	FOOT	DUCTILE IRON WATER MAIN 6"	\$ 170-	\$ 1,020-
27	56400500	1	EACH	FIRE HYDRANTS TO BE REMOVED	\$ 1000-	\$ 1,000-
28	56400820	1	EACH	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	\$ 5900-	\$ 5,900-
29	56500600	2	EACH	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	\$ 250	\$ 500-
30	60201340	2	EACH	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	\$ 3200-	\$ 6,400-
31	60250200	1	EACH	CATCH BASINS TO BE ADJUSTED	\$ 400-	\$ 400-
32	60257900	1	EACH	MANHOLES TO BE RECONSTRUCTED	\$ 1800-	\$ 1,800-

Contractor:

A Lamp Concrete Contractors, Inc.

ROSELLE ROAD  
AT SCHAUMBURG ROAD  
Section No.: 14-V6039-02-TL

## SCHEDULE OF PRICES

ITEM NO.	PAY CODE	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
33	60500050	2	EACH	REMOVING CATCH BASINS	\$ 350	\$ 700-
34	60605000	724	FOOT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	\$ 24-	\$ 17,376-
35	66900200	570	CU YD	NON-SPECIAL WASTE DISPOSAL	\$ 15	\$ 8550-
36	66900450	1	L SUM	SPECIAL WASTE PLANS AND REPORTS	\$ 3000 -	\$ 3000-
37	66900530	1	EACH	SOIL DISPOSAL ANALYSIS	\$ 500-	\$ 500-
38	67000400	6	CAL MO	ENGINEER'S FIELD OFFICE, TYPE A	\$ 1500	\$ 9000-
39	70106800	16	CAL MO	CHANGEABLE MESSAGE SIGN	\$ 100-	\$ 1600-
40	72000100	17	SQ FT	SIGN PANEL - TYPE 1	\$ 25-	\$ 425-
41	72400500	2	EACH	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	\$ 350-	\$ 700-
42	72800100	30	FOOT	TELESCOPING STEEL SIGN SUPPORT	\$ 15-	\$ 450-
43	78001150	74	FOOT	PAINT PAVEMENT MARKING - LINE 12"	\$ 3.75	\$ 277.50
44	78009000	109	SQ FT	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	\$ 6.45	\$ 703.05
45	78009006	380	FOOT	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	\$ 1.65	\$ 627-
46	78009012	756	FOOT	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	\$ 3.25	\$ 2457
47	78009024	184	FOOT	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	\$ 6.45	\$ 1186.80
48	78100100	8	EACH	RAISED REFLECTIVE PAVEMENT MARKER	\$ 260-	\$ 2080-

Contractor:

A Lamp Concrete Contractors, Inc.

ROSELLE ROAD  
AT SCHAUMBURG ROAD  
Section No.: 14-V6039-02-TL

SCHEDULE OF PRICES

ITEM NO.	PAY CODE	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
49	81028200	1,108	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	\$ 16.50	\$ 18,282-
50	81028220	157	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	\$ 34.50	\$ 5416.50
51	81028240	732	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	\$ 48.50	\$ 35,502-
52	81400100	1	EACH	HANDHOLE	\$ 1700-	\$ 1700-
53	81400300	3	EACH	DOUBLE HANDHOLE	\$ 3015-	\$ 9045-
54	81702110	1,855	FOOT	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	\$ .65	\$ 1,205.75
55	84200500	4	EACH	REMOVAL OF LIGHTING UNIT, SALVAGE	\$ 461-	\$ 1844-
56	84200804	9	EACH	REMOVAL OF POLE FOUNDATION	\$ 516-	\$ 4644-
57	85000200	3	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	\$ 1285-	\$ 3,855-
58	85100500	3	EACH	PAINT NEW TRAFFIC SIGNAL POST	\$ 431-	\$ 1293-
59	85100600	1	EACH	PAINT NEW MAST ARM AND POLE, UNDER 40 FOOT	\$ 606-	\$ 606-
60	85100901	4	EACH	PAINT NEW COMBINATION MAST ARM AND POLE, 40 FOOT AND OVER	\$ 1175	\$ 4700-
61	86400100	1	EACH	TRANSCEIVER - FIBER OPTIC	\$ 7175	\$ 7175
62	87300925	5,051	FOOT	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	\$ .75	\$ 3788.25
63	87301215	1,441	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	\$ .60	\$ 864.60
64	87301225	1,836	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	\$ .70	\$ 1285.20

Contractor:

A Lamp Concrete Contractors, Inc.

ROSELLE ROAD  
AT SCHAUMBURG ROAD  
Section No.: 14-V6039-02-TL

## SCHEDULE OF PRICES

ITEM NO.	PAY CODE	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
65	87301245	2,221	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	.85	1887.85
66	87301255	2,045	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	1.10	2249.50
67	87301805	108	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	3.70	399.60
68	87502500	3	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	1260	3780-
69	87700190	1	EACH	STEEL MAST ARM ASSEMBLY AND POLE 30 FT.	6425-	6425-
70	87800100	12	FOOT	CONCRETE FOUNDATION, TYPE A	349-	4188-
71	87800150	4	FOOT	CONCRETE FOUNDATION, TYPE C	705	2820-
72	87800400	14	FOOT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	213-	2982-
73	87800415	54	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	250-	13,500-
74	87900200	3	EACH	DRILL EXISTING HANDHOLE	383-	1149-
75	88030020	7	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	870	6090-
76	88030050	3	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	815	2445-
77	88030100	3	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	1215-	3645-
78	88030110	7	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	1290-	9030-
79	88200210	14	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	135-	1890-
80	88700200	2	EACH	LIGHT DETECTOR	110-	2220-

Contractor:

A Lamp Concrete Contractors, Inc.

ROSELLE ROAD  
AT SCHAUMBURG ROAD  
Section No.: 14-V6039-02-TL

## SCHEDULE OF PRICES

ITEM NO.	PAY CODE	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
81	88700300	1	EACH	LIGHT DETECTOR AMPLIFIER	\$ 1815-	\$ 1815-
82	88800100	8	EACH	PEDESTRIAN PUSH-BUTTON	\$ 299	\$ 2392-
83	89000100	1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION	\$ 58,380	\$ 58,380
84	89502300	7,010	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT	\$ .25	\$ 1752.50
85	89502375	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	\$ 5780-	\$ 5780-
86	89502380	13	EACH	REMOVE EXISTING HANDHOLE	\$ 517	\$ 6721-
87	89502382	1	EACH	REMOVE EXISTING DOUBLE HANDHOLE	\$ 777	\$ 777-
88	89502385	5	EACH	REMOVE EXISTING CONCRETE FOUNDATION	\$ 535-	\$ 2675-
89	550A0340	17	FOOT	STORM SEWERS, CLASS A, TYPE 2 12"	\$ 147-	\$ 2499-
90	X0324085	339	FOOT	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	\$ .90	\$ 305.10
91	X1400107	1	EACH	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET	\$ 34,860-	\$ 34,860-
92	X2130010	50	FOOT	EXPLORATION TRENCH, SPECIAL	\$ 10-	\$ 500-
93	X8360215	15	FOOT	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	\$ 398	\$ 5970-
94	X8440116	5	EACH	RELOCATE EXISTING LIGHTING UNIT, SPECIAL	\$ 924-	\$ 4620-
95	X8710024	5,119	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	\$ 2.70	\$ 13821.30
96	Z0007430	2,294	SQ FT	TEMPORARY SIDEWALK	\$ .50	\$ 1147-

Contractor:

A Lamp Concrete Contractors, Inc.

ROSELLE ROAD  
AT SCHAUMBURG ROAD  
Section No.: 14-V6039-02-TL

SCHEDULE OF PRICES

ITEM NO.	PAY CODE	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
97	Z0033028	6	CAL MO	MAINTENANCE OF LIGHTING SYSTEM	\$ 794-	\$ 4764-
98	Z0033046	1	EACH	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	\$ 1550-	\$ 1550-
99	Z0073510	1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING	\$ 710	\$ 710-
100	CCDOTH	800	FOOT	ELECTRIC CABLE IN CONDUIT, STREET NAME SIGN, NO. 14 3C, TYPE SOOW	\$ 2.60	\$ 2080-
101	CCDOTH	4	EACH	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR AND FAR BACK	\$ 6970-	\$ 27880
102	CCDOTH	1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT., 45' MOUNTING HEIGHT, 20' LUMINAIRE ARM	\$ 10780	\$ 10780-
103	CCDOTH	2	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 45 FT., 45' MOUNTING HEIGHT, 20' LUMINAIRE ARM	\$ 11090-	\$ 22180-
104	CCDOTH	1	EACH	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT., 45' MOUNTING HEIGHT, 20' LUMINAIRE ARM	\$ 12460	\$ 12460-
105	CCDOTH	8	EACH	PEDESTRIAN SIGNAL HEAD, LED, COUNTDOWN, 1-FACE	\$ 785-	\$ 6280-
106	CCDOTH	2	EACH	LED INTERNALLY ILLUMINATED STREET NAME SIGN, 6'	\$ 4150-	\$ 8300-
107	CCDOTH	2	EACH	LED INTERNALLY ILLUMINATED STREET NAME SIGN, 8'	\$ 4510-	\$ 9020-
108	CCDOTH	1	EACH	UNINTERRUPTABLE POWER SUPPLY WITHOUT CABINET	\$ 5790-	\$ 5790-
109	CCDOTH	1,045	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING, NO. 6 1C	\$ 1.60	\$ 1672
110	CCDOTH	50,000	UNIT	CONTRACT EXTRA WORK	\$ 1.00	\$ 50,000.00
111	CCDOTH	262	CU YD	POROUS GRANULAR EMBANKMENT, SUBGRADE	\$ 10-	\$ 2620-
112	CCDOTH	1	L SUM	CRUSHED STONE (TEMPORARY USE)	\$ 1500-	\$ 1500-



SCHEDULE OF PRICES

ITEM NO.	PAY CODE	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
113	CCDOTH	767	SQ YD	AGGREGATE SUBGRADE (12 INCH)	\$ 14.50	\$ 11,121.50
114	CCDOTH	2,294	SQ FT	CONCRETE PAVER SIDEWALK	\$ 18.50	\$ 42,439
115	CCDOTH	2,134	SQ FT	CONCRETE PAVERS (FURNISH)	\$ 14-	\$ 29,876-
116	CCDOTH	1,919	SQ FT	CONCRETE PAVER SIDEWALK REMOVAL	\$ 1.10	\$ 2,110.90
117	CCDOTH	4	EACH	TEMPORARY ADA RAMP	\$ 400-	\$ 1600-
118	CCDOTH	7	SQ YD	CLASS B PATCHES, SPECIAL 10"	\$ 1100-	\$ 7,700
119	CCDOTH	23	FOOT	PIPE UNDERDRAINS, PERFORATED POLYVINYL CHLORIDE (PVC) PIPE, 6 INCHES	\$ 70-	\$ 1610-
120	CCDOTH	97	SQ FT	CONCRETE HEADER BAND	\$ 27.50	\$ 2667.50
121	CCDOTH	159	SQ FT	CONCRETE MEDIAN, TYPE C-4	\$ 29.50	\$ 4690.50
122	CCDOTH	1	L SUM	TRAFFIC PROTECTION	\$ 106,000.-	\$ 106,000.-
123	CCDOTH	1,125	SQ FT	ERADICATION OF EXISTING PAVEMENT MARKING	\$ .80	\$ 900-
124	CCDOTH	4	EACH	LUMINAIRE, TYPE 1	\$ 836-	\$ 3344
125	CCDOTH	706	FOOT	UNIT DUCT, 600V, 2-1C NO.4, 3-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	\$ 10.50	\$ 7413-
126	CCDOTH	5	EACH	LIGHT POLE FOUNDATION, METAL, CIRCULAR BASEPLATE, 12" BOLT CIRCLE, 8 5/8" X 6"	\$ 1030	\$ 5150-
127	CCDOTH	5,194	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT, SPECIAL	\$ .35	\$ 1817.90
128	CCDOTH	1	L SUM	CONSTRUCTION LAYOUT STAKES AND SURVEY CONTROL POINTS	\$ 4500-	\$ 4500-

Contractor:

A Lamp Concrete Contractors, Inc.

ROSELLE ROAD  
AT SCHAUMBURG ROAD  
Section No.: 14-V6039-02-TL

SCHEDULE OF PRICES

ITEM NO.	PAY CODE	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
129	CCDOTH	16	FOOT	SEGMENTAL BLOCK RETAINING WALL REMOVAL	\$ 20-	\$ 320-
					<b>TOTAL</b>	\$ 50,000.00

\$ 889,351.29

County of Cook  
Department of Transportation and Highways

Proposal Bid Bond

Project: ROSELLE ROAD at SCHAUMBUR ROAD  
Section 14-V6039-02-TL  
Letting Date 1-11-17

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 said SURETY have caused this instrument to be signed by their respective officers and their corporate seals to be hereunto affixed this 11th day of January A.D. 20 17.

A. Lamp Concrete Contractors, Inc.  
(Company Name)

(Seal)

(Company Name)

(Seal)

BY: Adele Lampignano  
(Signature & Title) Adele Lampignano, President

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  
(Name of Surety)

(Seal)

BY: Thomas O. Chambers  
(Signature of Attorney-in-fact)

STATE OF ~~ILLINOIS~~ WISCONSIN  
COUNTY OF ~~COOK~~ RACINE

I, Jackie Sheldon

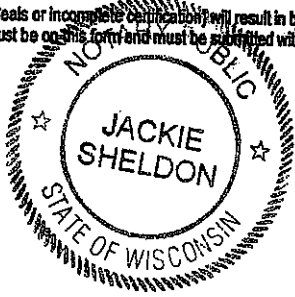
a Notary Public in and for Cook County, do hereby certify that Adele Lampignano and Thomas O. Chambers

(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 11th day of January A.D. 20 17. My commission expires 4/13/2019.

Jackie Sheldon  
Notary Public

\*Improper execution of this form (i.e. Missing Signatures or Seals or incomplete certification) will result in bid being declared irregular.  
\*\* If Bid Bond is used in lieu of proposal guaranty check, it must be on this form and must be submitted with Bid.



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, recognizances, 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 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, recognizances, 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 two Vice Presidents, this 1st day of March 2012.



THE HANOVER INSURANCE COMPANY  
MASSACHUSETTS BAY INSURANCE COMPANY  
CITIZENS INSURANCE COMPANY OF AMERICA

  
Robert Thomas, Vice President

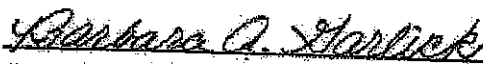
  
Joe Brenstrom, Vice President

THE COMMONWEALTH OF MASSACHUSETTS )  
COUNTY OF WORCESTER ) ss.

On this 1st day of March 2012 before me came the above named Vice Presidents 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 A. GARLICK  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires Sept. 21, 2018

  
Barbara A. Garlick, Notary Public  
My Commission Expires September 21, 2018

I, the undersigned 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 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 11th day of January 2017

THE HANOVER INSURANCE COMPANY  
MASSACHUSETTS BAY INSURANCE COMPANY  
CITIZENS INSURANCE COMPANY OF AMERICA

  
Glen Margosian, Vice President

**BID DEPOSIT FORM****AS REQUIRED BY INSTRUCTION TO BIDDER OF/AND INCONJUNCTION  
WITH THE BID HEREWITH SUBMITTED**

(THIS FORM MUST BE SUBMITTED WITH THE BID)

TO: COOK COUNTY DEPARTMENT OF TRANSPORTATION AND  
HIGHWAYSBID FOR: Roselle Road at Schaumburg Road  
Contract No. 1685-15811BID OPENING DATE: January 11, 2017We deposit (subject to all condition of said proposal) the following  
described deposit check: Cashier's Check  Bank Draft  Bid Bond  OtherDrawn on: \_\_\_\_\_ of \_\_\_\_\_  
Bank City State

Draft or Check Number: \_\_\_\_\_ Date: \_\_\_\_\_

Amount: \$ \_\_\_\_\_

Submitted by: A Lamp Concrete Contractors, Inc.  
Bidder  
1900 Wright Boulevard  
Street Address  
Schaumburg, Illinois 60193  
City State Zip Code**DO NOT WRITE IN THE SPACES BELOW**

The above described Deposit Check is:

<input type="checkbox"/> Held _____	Date _____
<input type="checkbox"/> Mailed _____	Date _____
<input type="checkbox"/> Delivered To _____	Date _____
<input type="checkbox"/> Bond Substituted _____	Date _____
<input type="checkbox"/> Bond Mailed To _____	Date _____