NOTICE TO BIDDERS, SPECIFICATIONS, CONTRACT AND CONTRACT BOND

FOR
HIGHWAY IMPROVEMENT
County of Cook, Illinois

Toni Preckwinkle
Cook County Board President

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

Maria de Lourdes Coss, CPPO
Purchasing Agent

Letting: NOVEMBER 30, 2011

SECTION: 09-B6736-03-RP on Route No.B67

Known as JOE ORR ROAD-RELOCATED
EAST OF STONY ISLAND AVENUE TO TORRENCE AVENUE

FEDERAL PROJECT NO. M-9003(741)
FEDERAL JOB NO. C-91-184-11
COOK COUNTY PURCHASING CONTRACT NO. 11-28-160

NOTICE TO PROSPECTIVE BIDDERS

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

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

Proposal Submitted by:

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

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

Address 1488 S. Broadway

City Coal City State IL Zipcode 60416

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

ABOUT CCHD PROPOSALS

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

ABOUT AUTHORIZATION TO BID

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

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

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

ABOUT REQUESTS FOR PLANS & PROPOSALS

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

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

NOTICE

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

THE BOARD OF COMMISSIONERS
TONI PRECKWINKLE, PRESIDENT

Earlean Collins	1st Dist.	Bridget Gainer	10th Dist.
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COUNTY OF COOK
BUREAU OF FINANCE
OFFICE OF THE CHIEF PROCUREMENT OFFICER
MARIA DE LOURDES COSS
CHIEF PROCUREMENT OFFICER

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

ADDENDUM No. 1

Joe Orr Road - Relocated
East of Stony Island Avenue to Torrence Avenue
Section # 09-B6736-03-RP on Route No. B67

Contract Document 11-28-160

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

Notice is hereby given that sealed proposals for the Joe Orr Road – Relocated Project will be received at Room 1018, County Building, Chicago, Illinois until **Wednesday November 30, 2011 at 10:00 A.M., (LOCAL TIME)** and then publicly opened and read aloud.

Printed on Recycled Paper

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ADDENDUM No. 2

Joe Orr Road - Relocated
East of Stony Island Avenue to Torrence Avenue
Section # 09-B6736-03-RP on Route B67
Contract Document 11-28-160

Addendum No. 2 provides for responses and revisions arising from questions at the Pre-Bid Meeting and from plan holders. Also under Attachment No.1 is the November 8, 2011 pre-bid conference attendee sign-in sheet.

All addenda form a part of the Bidding Plans and Contract Documents and modify the original Documents for Joe Orr Road – Relocated, East of Stony Island Avenue to Torrence Avenue, Section: 09-B6736-03-RP.

Please acknowledge receipt of all addenda in the spaces provided in the bid form (Execution and Addendum Receipt Pages). Failure to do so may subject the Bidder to disqualification.

Bid Envelope

Q1. The Bid envelope received says the bid time is 11:00am—addendum #1 says the bid time is 10:00am – do we just hand-write the time of 10am on the envelope or will new envelopes be issued?)

A1. Please hand write the new bid opening time on the envelope.

Soil Info

Q2. Can the County post the soil borings and pavement cores to the website? (Spec page #171 says the County will provide if we ask.)

A2. Following the release of Addendum No. 2, Soils Information will be made available at ftp://130.94.31.166/ (user name: highway; password: ftpt3st).

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A6. Please replace sheets nos. 13 and 15 with revised sheets nos. 13R, Temporary Detour Plan, and 15R, Detour Plan, in the Bidding Plans (Drawings).

This reflects deletion of these notes.

Following the release of Addendum No. 2, these revised sheets of the Bidding Plans will be made available at ftp://130.94.31.166/ (user name: highway; password: ftpt3st).

Pavement Removal and /or Earth Excavation:

Q7. Plan sheet #5, note #13 states that only PCC drives, base course, and pavt are paid as pavement removal/drive removal—all other is Earth Exc. What about a PCC Base course that is overlaid, such as Torrence Ave? There is no existing pay item for Pavt removal...

A7. Please replace pages nos. 514 and 521 with revised pages nos. 514R and 521R, Schedule of Prices, in the Contract Documents.

Please replace sheets nos. 2, 4, 5, and 6 with revised sheets nos. 2R and 4R, Summary of Quantities; 5R, General Notes & State Standards; and 6R, Typical Cross Sections in the Bidding Plans (Drawings).

These reflect a reduction in Earth Excavation, the addition of Pavement Removal, a clarification of this note, and an adjustment of the Earthwork Quantities summary from the addition of Pavement Removal.

These revised pages of the Contract Documentd may be viewed and downloaded from the Office of the Chief Procurement Officer at:

http://legacy.cookcountygov.com/purchasing/public/index.php

Following the release of Addendum No. 2, these revised sheets of the Bidding Plans will be made available at ftp://130.94.31.166/ (user name: highway; password: ftpt3st).

Attendance sign in sheet

Q8. Does this have to be included with the bid?

A8. No.

Gasketed Connections

Q9. In regard to sheet 38 (drainage general notes), note #13, the note refers to gasketed connections to manholes, etc. per CCHD standard for pipe-to manhole connectors.

This standard as shown on sheet 84 refers to connections to existing storm sewers.

Do all new structures get flexible connectors, or just connections to existing?

If the new structures do, then all of the 5' manholes with 36" pipe would have to be 6' diameter--the minimum diameter required for this pipe size.

Also, all 2' structures would require a minimum wall of 5", as opposed to standard 3", in order to accommodate gaskets.

A9. All new structures get flexible connectors.

Please replace page no. 516 with revised page no. 516R, Schedule of Prices, in the Contract Documents.

Please replace sheets nos. 2, 5, 37, 42, 43, 45, 46, 130 and 134 with revised sheets nos. 2R, Summary of Quantities; 5R, General Notes & State Standards; 37R, Drainage & Utilities Schedule of Quantities; 42R, 43R, 45R, and 46R, Drainage & Utilities; and 130R and 134R, State Standards in the Bidding Plans (Drawings).

These reflect increases in diameters and wall thicknesses for all new structures to get flexible connectors including the addition of a standard for Inlet Type A.

These revised pages of the Contract Documents may be viewed and downloaded from the Office of the Chief Procurement Officer at:

http://legacy.cookcountygov.com/purchasing/public/index.php

Following the release of Addendum No. 2, these revised sheets of the Bidding Plans will be made available at ftp://130.94.31.166/ (user name: highway; password: ftpt3st).

Drainage & Utilities Profile Views

Q10. Plan sheets nos. 39-49 appear to be missing information in the upper right corner of the profile views.

A10. Please replace sheets nos. 39-49 with revised sheets nos. 39R-49R, Drainage & Utilities in the Bidding Plans (Drawings).

These reflect inclusion of the general notes and/or benchmark information.

Following the release of Addendum No. 2, these revised sheets of the Bidding Plans will be made available at ftp://130.94.31.166/ (user name: highway; password: ftpt3st).

Bid Spreadsheet

Q11. A new spreadsheet to calculate a bid appears to be needed.

A11. Please replace the ScheduleOfPrices.xls spreadsheet attachment with the revised (Addendum No. 2) ScheduleOfPrices.xls spreadsheet attachment to the Contract Documents.

This reflects the above changes to the schedule of prices and summary of quantities with Addendum No. 2.

This revised spreadsheet attachment to the Contract Documents may be viewed and downloaded from the Office of the Chief Procurement Officer at: http://legacy.cookcountygov.com/purchasing/public/index.php

STATUS OF UTILITIES
UTILITIES TO BE ADJUSTED
JOE ORR ROAD (RELOCATED)
EAST OF STONY ISLAND AVENUE TO TORRENCE AVENUE
SECTION: 09-B6736-03-RP

Name & Address Of Utility Company	Type	Estimated Date Of Completion
Nicor Gas Company 1844 Ferry Road Naperville, IL 60563 Attn: Constance Lane Utility Consultant (630) 388-3830 (630) 983-0639 (Fax) clane@nicor.com	8" gas main 36' to 28' LT along Torrence Avenue, Sta. 194+00 to Sta. 202+00. 8" gas main 59' to 66' LT along Torrence Avenue, Sta. 201+10 to Sta. 217+50. 8" gas main 49' to 47' LT along Torrence Avenue, Sta. 217+50 to Sta. 231+50 12" gas main 38' to 43' LT along Joe Orr Road (existing), Sta. -3+70 to Sta. 308+13. 4" gas main 47' to 63' LT along Joe Orr Road (existing), Sta. 5+80 to Sta. 308+13. 4" gas main crossing Torrence Avenue at Sta. 218+76. 6" gas main crossing Torrence Avenue at Sta. 227+27. 4" gas main crossing Torrence Avenue at Sta. 231+12.	No gas main relocation is required.

AT&T 1000 Commerce Drive, Floor 2 Oakbrook, IL 60523 Attn: Bob Elsinga (630) 573-5661 (630) 573-5576 (Fax) (708) 822-0876 (Cell) re7854@att.com cc: David Phelps (630) 573-6464	Buried 7x4 duct 41' to 53' LT along Joe Orr Road (existing), Sta. -3+70 to Sta. 308+13. Buried 7x4 duct 23' to 13' LT along Torrence Avenue, Sta. 194+00 to Sta. 219+00. Buried 7x4 duct 56' to 46' LT along Torrence Avenue, Sta. 219+00 to Sta. 227+50. Buried cable crossing Torrence Avenue at Sta. 213+23. Buried cable crossing Torrence Avenue at Sta. 218+79. Buried cable crossing Torrence Avenue at Sta. 218+86. Buried cable crossing Torrence Avenue at Sta. 223+13. Buried cable crossing Torrence Avenue at Sta. 225+93. Buried cable crossing Torrence Avenue at Sta. 230+44.	AT&T will complete their all relocation work prior to 2-15-2012. AT&T will coordinate their relocation work with ComEd and Comcast.
Commonwealth Edison Company 25000 S. Governors Highway University Park, IL 60466 Attn: Ilyas Mohiuddin (708) 235-2692 (708) 235-2666 (Fax) ilyas.mohiuddin@comed.com cc: James Torres (312) 394-3260 James.torres@comed.com David Stoppelman (630) 576-7092 david.stoppelman@comed.com	Utility poles and aerial cables along south side of Joe Orr Road (existing), Sta. -3+50 to Sta. 308+13. Utility poles and aerial cables along west side of Torrence Avenue,Sta. 192+00 to Sta. 231+50. Utility poles and aerial cables along east side of Torrence Avenue,Sta. 208+15 to Sta. 214+37.	ComEd will complete their all relocation work prior to 12-15-2011. ComEd will coordinate their relocation work with Comcast and AT&T.

Metropolitan Water Reclamation District of Greater Chicago 100 E. Erie Street Chicago, IL 60611 Attn: Kenneth Kits Director of Engineering (312) 751-7905 Kenneth.kits@mwrd.org	36" sewer along south side Joe Orr Road (existing), Sta. -3+50 to Sta. 308+13. 24" sewer along east side Torrence Avenue, Sta. 219+20 to Sta. 226+50. 24" sewer crossing Torrence Avenue, Sta. 218+20 to Sta. 219+20.	
Comcast 688 Industrial Drive Elmhurst, IL 60126 Attn: Robert Schulter Right-of-Way Manager (630) 600-6347 (630) 600-6390 (Fax) Bob_Schulter@cable.comcast.com	Buried cables along north side Joe Orr Road (existing), Sta. 304+00 to 308+13. Aerial cables attached to ComEd poles along west side Torrence Avenue, Sta. 192+00 to Sta. 231+50.	Comcast will complete their all relocation work prior to 12-30-2011. Comcast will coordinate their relocation with ComEd and AT&T.
Illinois Department of Transportation 201 West Center Court Schaumburg, IL 60196-1096 Attn: Steve Rosato (847) 705-4258 (847) 705-4597 (F) Steve.rosato@illinois.gov		
Village of Lynwood 21460 Lincoln Highway Lynwood, IL 60411 Attn: Bob Myers Director of Public Works (708) 758-8434 (708) 758-1867 (Fax) (708) 935-5900 (Cell) bmyers@lynwoodil.us	12" water main along north side Joe Orr Road (existing),Sta. -3+50 to Sta. 308+13. 12" water main crossing Torrence Avenue at Sta. 218+30.	

Village of Ford Heights 1343 Ellis Avenue Ford Heights, IL 60411 Attn: Rufus Fisher Director of Public Works (708) 758-3131 (708) 758-7602 (Fax)	No utilities within construction limits.	

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

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

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

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

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

H:\Design\Drainage\Utilities_Section\Status of Utilities\Joe Orr Road (Relocated)-East of Stony Island to Torrence 9-23-11.doc

ADDENDUM NO. 2

JOE ORR ROAD (RELOCATED)
EAST OF STONY ISLAND AVENUE TO TORRENCE AVENUE
Section No.: 09-B6736-03-RP

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
1	9	UNIT	TREE REMOVAL (6 TO 15 UNITS DIA.)	$ -	$ -
2	104	UNIT	TREE REMOVAL (OVER 15 UNITS DIA.)		
3	28,063	CU.YD.	EARTH EXCAVATION		
4	2,310	CU.YD.	NON-SPECIAL WASTE DISPOSAL		
5	1	L.SUM	SPECIAL WASTE PLANS AND REPORTS		
6	4	EACH	SOIL DISPOSAL ANALYSIS		
7	438	FOOT	COMBINATION CURB AND GUTTER REMOVAL		
8	807	SQ.FT.	SIDEWALK REMOVAL		
9	25	FOOT	FENCE REMOVAL		
10	30	FOOT	CUTTING HOT-MIX ASPHALT SURFACE		
11	2,465	FOOT	CUTTING HOT-MIX ASPHALT SURFACE (FULL DEPTH)		
12	46,012	SQ.YD.	AGGREGATE SUBGRADE, 12 IN		
13	67	SQ.YD.	SUBBASE GRANULAR MATERIAL, TYPE B, 4 IN		
14	700	CU.YD.	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL		
15	500	CU.YD.	POROUS GRANULAR EMBANKMENT, SUBGRADE		
16	1	L.SUM	CRUSHED STONE (TEMPORARY USE)		
17	3,319	GAL.	BITUMINOUS MATERIALS (PRIME COAT)		
18	12	TON	AGGREGATE (PRIME COAT)		
19	722	SQ.YD.	PAVEMENT REPLACEMENT		
20	23,906	SQ.YD.	PORTLAND CEMENT CONCRETE PAVEMENT, 10 IN		
21	603	SQ.FT.	PORTLAND CEMENT CONCRETE SIDEWALK, 5 IN		
22	88	SQ.FT.	DETECTABLE WARNINGS		
23	3,107	SQ.YD.	HOT-MIX ASPHALT SURFACE REMOVAL 1 3/4 IN		
24	167	SQ.YD.	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH		
25	8	FOOT	TEMPORARY BUTT JOINTS		
26	775	POUND	CRACK FILLING		
27	1	TON	MIXTURE FOR CRACKS JOINTS AND FLANGEWAYS		
28	150	SQ.YD.	CLASS D PATCHES, TYPE II, 9 IN		
29	100	SQ.YD.	CLASS D PATCHES, TYPE III, 9 IN		
30	85	SQ.YD.	CLASS D PATCHES, TYPE IV, 9 IN		

(CONTINUED ON NEXT PAGE)

ADDENDUM NO. 2

JOE ORR ROAD (RELOCATED)
EAST OF STONY ISLAND AVENUE TO TORRENCE AVENUE

SCHEDULE OF PRICES Section No.: 09-B6736-03-RP

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
61	2,580	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS III) 12 IN	$ -	$ -
62	629	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS III) 15 IN		
63	603	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS III) 18 IN		
64	1,154	FOOT	STORM SEWERS, TYPE 2 (POLYVINYLCHLORIDE) 18 IN		
65	333	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS III) 24 IN		
66	2,083	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS III) 30 IN		
67	2,242	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS III) 36 IN		
68	913	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS IV) 54 IN		
69	496	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS III) 60 IN		
70	1,251	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS III) 72 IN		
71	481	FOOT	STORM SEWERS, TYPE 3, (POLYVINYL CHLORIDE) 18 IN		
72	32	FOOT	STORM SEWERS, (DUCTILE IRON PIPE) 60 IN		
73	20	FOOT	PIPE CULVERTS, CLASS A, TYPE 1, 12 IN		
74	0.3	CU.YD.	CONCRETE COLLAR		
75	155	FOOT	PRECAST REINFORCED CONCRETE BOX CULVERTS (6FT X 4 FT)		
76	2	EACH	PRECAST REINFORCED FLARED END SECTIONS,12 IN		
77	1	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 18 IN		
78	1	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 72 IN		
79	1	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 45 IN X 29 IN		
80	1	EACH	GRATING FOR CONCRETE FLARED END SECTION, 72 IN		
81	1	EACH	GRATING FOR CONCRETE FLARED END SECTION, 45 IN X 29 IN		
82	105	EACH	CATCH BASINS, TYPE A2, 4 FT DIA WITH FRAMES AND GRATES		
83	1	EACH	CATCH BASINS, TYPE A2, 6 FT DIA WITH FRAMES AND GRATES		
84	13	EACH	CATCH BASINS, TYPE C, 2 FT DIA WITH FRAMES AND GRATES		
85	17	EACH	MANHOLES, TYPE A, 4 FT DIA WITH FRAMES AND GRATES		
86	13	EACH	MANHOLES, TYPE A, 5 FT DIA WITH FRAMES AND GRATES		
87	19	EACH	MANHOLES, TYPE A, 6 FT DIA WITH FRAMES AND GRATES		
88	1	EACH	MANHOLES, TYPE A, 8 FT DIA WITH FRAMES AND GRATES		
89	5	EACH	MANHOLES, PRECAST "T" (54 IN DIA STORM SEWER) WITH FRAMES AND GRATES		
90	1	EACH	MANHOLES, PRECAST "T" (60 IN DIA STORM SEWER) WITH FRAMES AND GRATES		

(CONTINUED ON NEXT PAGE)

ADDENDUM NO. 2

JOE ORR ROAD (RELOCATED)
EAST OF STONY ISLAND AVENUE TO TORRENCE AVENUE

SCHEDULE OF PRICES

Section No.: 09-B6736-03-RP

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
211	14	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	$ -	$ -
212	8	EACH	INDUCTIVE LOOP DETECTOR		
213	54	FOOT	DETECTOR LOOP, TYPE I		
214	2	EACH	LIGHT DETECTOR		
215	1	EACH	LIGHT DETECTOR AMPLIFIER		
216	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT		
217	1	EACH	REMOVE EXISTING CONCRETE FOUNDATION		
218	450	FOOT	PREFORMED DETECTOR LOOP		
219	1	EACH	SERVICE INSTALLATION, POLE MOUNTED		
220	1	EACH	UNINTERRUPTIBLE POWER SUPPLY		
221	542	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO 6 1C		
222	467	FOOT	ELECTRIC CABLE IN CONDUIT, NO 20 3/C, TWISTED, SHIELDED		
223	1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT		
224	5,927	SQ.YD.	PAVEMENT REMOVAL		
				TOTAL	$ -

Cook County Office of the Chief Procurement Officer
Maria de Lourdes Coss, Chief Procurement Officer
County Building • 118 North Clark Street, Room 1018 • Chicago, Illinois 60602-1304 • TEL: (312) 603-5370

Attachment No. 1

November 8, 2011 Pre-bid conference attendee sign-in sheet

PRE-BID CONFERENCE ATTENDEE SIGN-IN SHEET
JOE ORR ROAD IMPROVEMENT
CONTRACT DOCUMENT #11-28-160

11/8/11
Pre-bid Mtg

Attendee Name: Mike Brunke Company Name: Gallagher Asphalt Corp. Company Address: 18100 S. Indiana Thornton, IL 60476 Telephone: 708-877-7160 Fax: 708-877-5222 E-Mail: mbrunke@gallagherasphalt.com Please print clearly	{Business Card}
Attendee Name: Mike Douglas Company Name: Iroquois Paving Corp. Company Address: 1889 E. US Hwy 24 Watseka, IL Telephone: 708-534-8667 Fax: 708-534-2896 E-Mail: mike@iroqpavcorp.com Please print clearly	{Business Card}
Attendee Name: Ron McGinnis Company Name: Glenbrook Excavating & Concrete Company Address: 1250 N. Old Rand Rd Wauconda, IL 60084 Telephone: 847 525 6230 Fax: E-Mail: TBarnett@glenbrookexcavating.com Please print clearly	{Business Card}
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}

PRE-BID CONFERENCE ATTENDEE SIGN-IN SHEET
JOE ORR ROAD IMPROVEMENT
CONTRACT DOCUMENT #11-28-160

Attendee Name: KARL PETERSON Company Name: COOK COUNTY HIGHWAY Company Address: Telephone: 31714 Fax: 39957 E-Mail: karl.peterson@cookcountyil.gov Please print clearly	{Business Card}
Attendee Name: ROBERT F. MACK Company Name: COOK CTY HWY DEPT Company Address: 69 W. WASHINGTON 21ST FLOOR CHICAGO IL. 60602 Telephone: 312-603-171 Fax: 312-603-9957 E-Mail: robert.mack1@cookcountyil.gov Please print clearly	{Business Card}
Attendee Name: FRANK WILLIAMS Company Name: COOK COUNTY HWY DEPT. Company Address: 69 W. WASHINGTON ST. CHGO, IL 6060 2 - 21st FLOOR Telephone: 312-603-1745 Fax: 312-603-9957 E-Mail: FRANK.WILLIAMS@cookcountyil.GOV Please print clearly	{Business Card}
Attendee Name: Gladys Rodriguez Company Name: Trinal, Inc. Company Address: 329 W. 18TH ST. STE 401 Chicago, IL 60616 Telephone: 312-738-0500 Fax: 312-738 1840 E-Mail: GRodriguez@trinalinc.com Please print clearly	{Business Card}
Attendee Name: Allison Bagby Company Name: FH Paschen SN Nielsen Company Address: 8725 W Higgins Rd Suite 200 Chicago IL 60631 Telephone: 773-444-3474 Fax: 773-693-0064 E-Mail: abagby@fhpaschen.com Please print clearly	{Business Card}

PRE-BID CONFERENCE ATTENDEE SIGN-IN SHEET
JOE ORR ROAD IMPROVEMENT
CONTRACT DOCUMENT #11-28-160

Attendee Name: JENNIFER TUCKER Company Name: K-FIVE CONSTRUCTION Company Address: 13769 MAIN ST. LEMONT IL 60439 Telephone: 630 257 5600 Fax: 630 257 6788 E-Mail: jennifer@k-five.net Please print clearly	{Business Card}
Attendee Name: IMTIAZ AHMED Company Name: ACURA, INC Company Address: 556 COUNTYLINE RD. BENSENVILLE, IL 60106 Telephone: 630 766 9979 Fax: 630 766 6826 E-Mail: Estimating@Acurainc.com Please print clearly	{Business Card}
Attendee Name: MARK FLEEGE Company Name: McDONAGH DEMOLITION Company Address: 1269 W LEMOYNE CHICAGO, IL 60642 Telephone: 773-276-7707 E-Mail: mark.f@mcdonaghdemo.com Please print clearly	{Business Card}
Attendee Name: Randy Greniger Company Name: Dyer Construction Company Address: 1716 Sheffield Ave Dyer, IN 46311 Telephone: 219-865-2961 Fax: 219-865-2963 E-Mail: rgreniger@dyerconstruction.com Please print clearly	{Business Card}

PRE-BID CONFERENCE ATTENDEE SIGN-IN SHEET
JOE ORR ROAD IMPROVEMENT
CONTRACT DOCUMENT #11-28-160

Attendee Name: Manpreet S. Rehal. Company Name: Pan-Oceanic Engg Co. INC. Company Address: 8501, W. Higgins Road. Suite 630. Chicago IL 60631. Telephone: (773) 601-8408. Fax: (773) 601-8409. E-Mail: msehal@panoceanicinc.com. Please print clearly	{Business Card}
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}
Attendee Name: Company Name: Company Address: Telephone: Fax: E-Mail: Please print clearly	{Business Card}

THE BOARD OF COMMISSIONERS
TONI PRECKWINKLE, PRESIDENT

Earlean Collins	1st Dist.	Bridget Gainer	10th Dist.
Robert Steele	2nd Dist.	John P. Daley	11th Dist.
Jerry Butler	3rd Dist.	John A. Fritchey	12th Dist.
William M. Beavers	4th Dist.	Lawrence Suffredin	13th Dist.
Deborah Sims	5th Dist.	Gregg Goslin	14th Dist.
Joan P. Murphy	6th Dist.	Timothy O. Schneider	15th Dist.
Jesus G. Garcia	7th Dist.	Jeffrey R. Tobolski	16th Dist.
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COUNTY OF COOK
BUREAU OF FINANCE

OFFICE OF THE CHIEF PROCUREMENT OFFICER

MARIA DE LOURDES COSS
CHIEF PROCUREMENT OFFICER

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

ADDENDUM No. 3

Joe Orr Road - Relocated
East of Stony Island Avenue to Torrence Avenue
Section # 09-B6736-03-RP on Route B67
Contract Document 11-28-160

Addendum No. 3 provides for 1) answers to questions and 2) drawing revisions.

All addenda form a part of the Bidding Plans and Contract Documents and modify the original Documents for Joe Orr Road – Relocated, East of Stony Island Avenue to Torrence Avenue, Section: 09-B6736-03-RP.

Please acknowledge receipt of all addenda in the spaces provided in the bid form (Execution and Addendum Receipt Pages). Failure to do so may subject the Bidder to disqualification.

1. Answers to Questions:

Q1. Plan sheet #94 mentions that the curb may be variable height. Should any V.H. curbs be paid for as a separate pay item?

A1. No. Any variable height curb, if needed, will be paid for at the contract unit price for the adjacent curb and gutter as called out on the plans.

Q2 The plan view for the PCC Pavement 10" shows keyway in the median areas. Plan details for construction joints discuss keyways. Can the County detail exactly where and when keyways are required?

A2. Keyways are required along the untied side of the Concrete Median, Type SB-6.12.

Q3. There seems to be a conflict regarding the size of tie bar tying curbs to the Pcc Pavement. The typical show a #6 bar and plan sheet # 94 says a #5 bar.

A3 The standard governs over the typical cross-section and IDOT Standard Specification. The tie bars are 30" long #5 bars @ 30" spacing, epoxy coated.

2. Drawing Revisions:

Please replace drawings 6, 7, 8, and 9 with the revised drawings 6R, 7R, 8R, and 9R in Attachment No. 1. Revised Drawings will also be made available at ftp://130.94.31.166/ (user name: highway; password: ftpt3st).

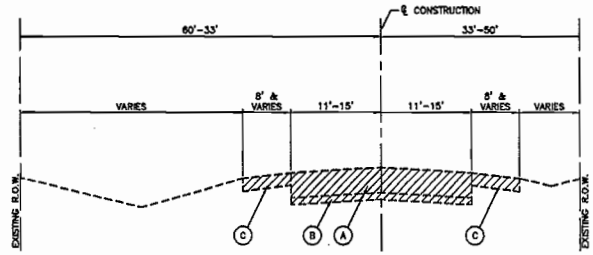
Printed on Recycled Paper

Attachment No. 1

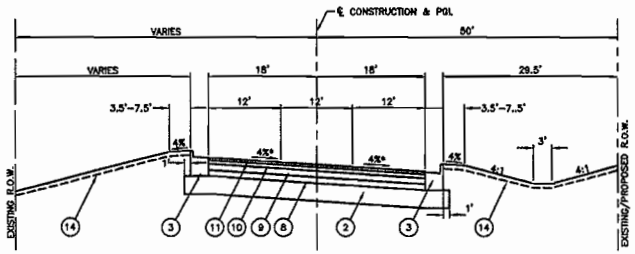
Revised Drawings 6R, 7R, 8R, and 9R

COUNTY HIGHWAY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
B67	2011	6R	144

SECTION: 09-B6736-03-RP

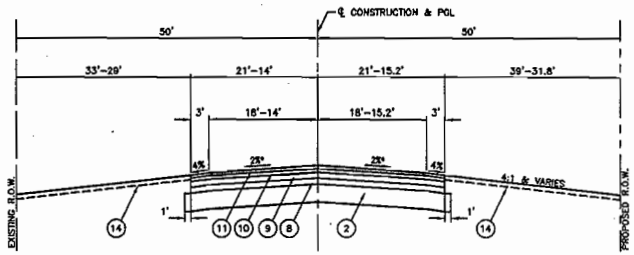


EXISTING TYPICAL CROSS SECTION
JOE ORR ROAD
STA 7+29.24 TO STA 308+13.46 (OLD JOE ORR RD)



NOTE:
*SEE PLAN AND PROFILE SHEETS FOR SUPERELEVATION TRANSITION LIMITS.

PROPOSED TYPICAL CROSS SECTION
OLD JOE ORR ROAD
STA 300+00 TO STA 306+03.48



NOTE:
* SEE PLAN AND PROFILE SHEETS FOR SUPERELEVATION TRANSITION LIMITS.

PROPOSED TYPICAL CROSS SECTION
OLD JOE ORR ROAD
STA 306+03.48 TO STA 308+13.46

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

NOTE: CONTRACTOR SHALL MILL BEFORE PATCHING.

MIXTURE TYPE	AIR VOIDS @ %Gyr
FULL DEPTH PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm); 2 INCH	4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 10 INCH	4% @ 70 Gyr.
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm); 2 INCH	4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2.25 INCH	4% @ 70 Gyr.
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5mm); 2 INCH	4% @ 50 Gyr.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19.0mm); PE -6 INCH, CE -8 INCH	4% @ 50 Gyr.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19.0 mm); 9 INCH	4% @ 70 Gyr.
PAVEMENT REPLACEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm); 2 INCH	4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; (THICKNESS TO MATCH EXISTING)	4% @ 70 Gyr.
TEMPORARY PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm); 1.5 INCH	4% @ 50 Gyr.
TEMPORARY PAVEMENT (HMA BINDER IL-19mm); 9 INCH	4% @ 50 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

SOILS NOTE:

1. A QUANTITY FOR POROUS GRANULAR EMBANKMENT, SUBGRADE HAS BEEN INCLUDED FOR LOCATIONS OF SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH POROUS GRANULAR EMBANKMENT, SUBGRADE WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIALS ARE ENCOUNTERED, THE SOILS SHALL BE REMOVED AND REPLACED WITH POROUS GRANULAR EMBANKMENT, SUBGRADE. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.
2. EXISTING TOPSOIL ON THE PROJECT SITE SHALL BE STRIPPED AND STOCKPILED AT A LOCATION TO BE APPROVED BY THE ENGINEER. THIS TOPSOIL SHALL BE PLACED ON EMBANKMENT, MEDIANS AND PARKWAYS WHEN FINAL GRADING HAS BEEN COMPLETED. THIS WORK WILL BE PAID FOR AS TOPSOIL, EXCAVATION AND PLACEMENT. EXISTING TOPSOIL AMOUNTS GREATER THAN THAT NEEDED TO COMPLETE THE PLANS AS SPECIFIED SHALL BE DISPOSED OF OFF SITE BY THE CONTRACTOR.

   A TOTAL OF 5,541 CUBIC YARDS OF TOPSOIL, EXCAVATION AND PLACEMENT IS ESTIMATED TO BE NEEDED FOR THIS PROJECT. AN ESTIMATED QUANTITY OF 5,519 CUBIC YARDS OF ADDITIONAL TOPSOIL IS EXPECTED TO BE REMOVED FROM THE PROJECT SITE. THIS TOPSOIL TO BE REMOVED WILL BE PAID FOR AS EARTH EXCAVATION AND IS INCLUDED IN THE ADJACENT TABLE.

EARTHWORK QUANTITIES

TOTAL CUT	=	34,755 CY
TOTAL TOPSOIL + EXISTING HMA PAVEMENT (ESTIMATED)	=	11,870 CY
TOTAL EXISTING PCC PAVEMENT (ESTIMATED)	=	1,152 CY
TOTAL AVAILABLE CUT TO FILL	=	21,733 CY
TOTAL FILL	=	11,903 CY
CUT TO FILL (15% SHRINKAGE)	=	13,688 CY
EARTH EXCAVATION (TOTAL CUT-TOPSOIL PLACEMENT & PCC PAVEMENT REMOVAL)	=	28,063 CY
EXCESS (HAUL-OFF) MATERIAL	=	15,527 CY

2

LEGEND

1. PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT, 10"
2. PROPOSED AGGREGATE SUBGRADE, 12"
3. PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
4. PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
5. CONCRETE MEDIAN, TYPE SB-6.12
6. LONGITUDINAL CONSTRUCTION JOINT, TYPE B
7. #5 TIE BAR, 30" @ 30" C-C, EPOXY COATED (3)
8. PROPOSED HMA BINDER COURSE, IL-19.0, N70, 4"
9. PROPOSED HMA BINDER COURSE, IL-19.0, N70, 3 ¾"
10. PROPOSED HMA BINDER COURSE, IL-19.0, N70, 2 ¼"
11. PROPOSED HMA SURFACE COURSE, MIX "D", N70, 2"
12. SAWED LONGITUDINAL JOINT, TYPE A, WITH #5 EPOXY COATED DEFORMED BAR @ 30" C-C
13. LONGITUDINAL CONSTRUCTION JOINT, TYPE A, WITH #5 EPOXY COATED DEFORMED BAR @ 30" C-C
14. PROPOSED SEEDING, CLASS 2A AND TOPSOIL, 4"
15. PROPOSED SODDING, SALT TOLERANT AND TOPSOIL, 4"
16. PROPOSED CLASS "D" PATCH, 9" (AS DIRECTED BY RESIDENT ENGINEER)

- (A) EXISTING BITUMINOUS PAVEMENT, ± 10"
- (B) EXISTING AGGREGATE SUB-BASE, ± 4"
- (C) EXISTING AGGREGATE SHOULDER
- (D) HOT-MIX ASPHALT SURFACE REMOVAL, 1 ¾"
- (E) EXISTING BITUMINOUS PAVEMENT, ±4"
- (F) EXISTING PCC BASE, ±9"

ITEMS TO BE REMOVED

FILE NAME = 09B36_03-TYP-01 - P01	USER NAME =	DESIGNED — WD	REVISED — 11-10-11 - ADDENDUM #2	STATE OF ILLINOIS COOK COUNTY HIGHWAY DEPARTMENT	JOE ORR ROAD (RELOCATED) EAST OF STONY ISLAND AVENUE TO TORRENCE AVENUE TYPICAL CROSS SECTIONS
		CHECKED — TRL	REVISED — 11-21-11 - ADDENDUM #3		
	PLOT SCALE = 1=1	DRAWN — AG	REVISED —		
	PLOT DATE = 5-25-2010	CHECKED —	REVISED —		SCALE: NA · SHEET NO. 6R OF 144 SHEETS · STA. · TO STA.

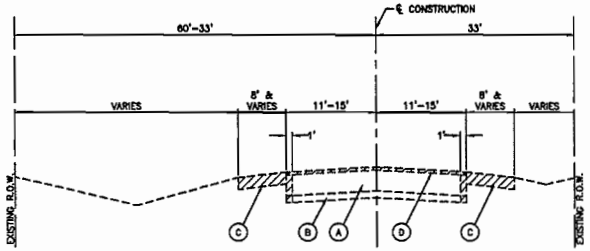
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1631	09-B6736-03-RP	COOK	144	6R

CONTRACT NO.

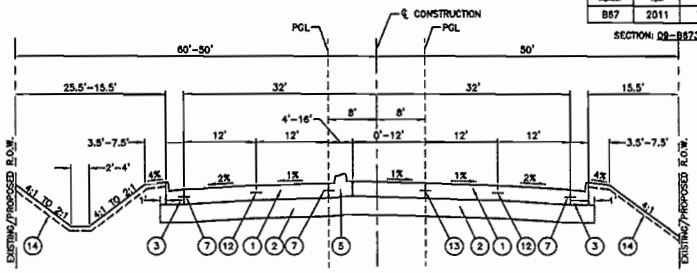
FED. ROAD DIST. NO. 1 · ILLINOIS · FED. AID PROJECT

COUNTY HIGHWAY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
B57	2011	7R	144

SECTION: 09-B8736-03-RP

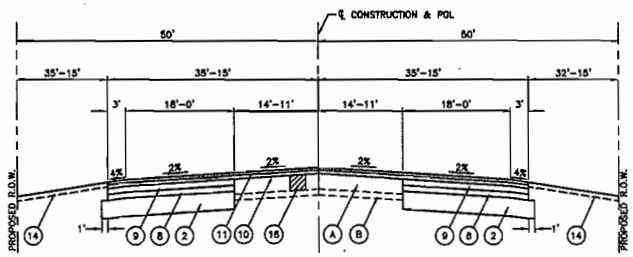


EXISTING TYPICAL CROSS SECTION
JOE ORR ROAD
STA -2+70.78 TO STA 7+29.24

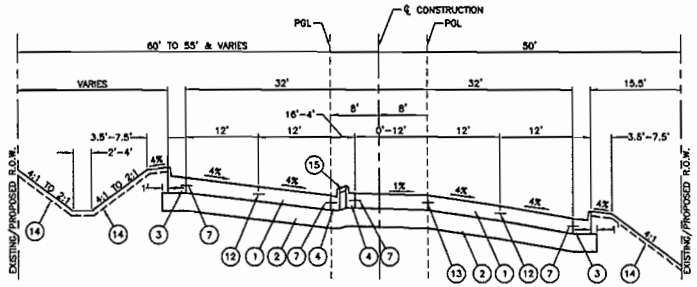


NOTE:
*SEE PLAN AND PROFILE SHEETS FOR SUPERELEVATION TRANSITION LIMITS.

PROPOSED TYPICAL CROSS SECTION
JOE ORR ROAD
STA 7+29.24 TO STA 9+09.24
STA 21+53.81 TO STA 23+55.95
STA 38+75.83 TO STA 41+75.74
STA 47+18.64 TO STA 48+50

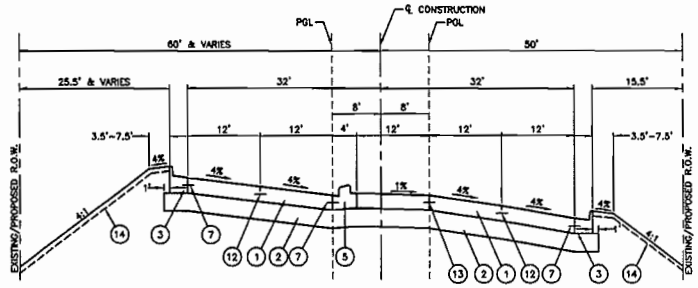


PROPOSED TYPICAL CROSS SECTION
JOE ORR ROAD
STA -2+70.76 TO STA 7+29.24



NOTE:
*SEE PLAN AND PROFILE SHEETS FOR SUPERELEVATION TRANSITION LIMITS.

PROPOSED TYPICAL CROSS SECTION
JOE ORR ROAD
STA 10+09.21 TO STA 14+43.08
STA 17+15.78 TO STA 21+53.81



NOTE:
*SEE PLAN AND PROFILE SHEETS FOR SUPERELEVATION TRANSITION LIMITS.

PROPOSED TYPICAL CROSS SECTION
JOE ORR ROAD
STA 9+09.24 TO STA 10+09.21
STA 14+43.08 TO STA 17+15.78

LEGEND

- (A) EXISTING BITUMINOUS PAVEMENT, ± 10"
- (B) EXISTING AGGREGATE SUB-BASE, ± 4"
- (C) EXISTING AGGREGATE SHOULDER
- (D) HOT-MIX ASPHALT SURFACE REMOVAL, 1 ½"
- (E) EXISTING BITUMINOUS PAVEMENT, ±4"
- (F) EXISTING PCC BASE, ±9"
- ITEMS TO BE REMOVED

- (1) PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT, 10"
- (2) PROPOSED AGGREGATE SUBGRADE, 12"
- (3) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (4) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (5) CONCRETE MEDIAN, TYPE SB-6.12
- (6) LONGITUDINAL CONSTRUCTION JOINT, TYPE B
- (7) #5 TIE BAR, 30" @ 30" C-C, EPOXY COATED
- (8) PROPOSED HMA BINDER COURSE, IL-19.0, N70, 4"
- (9) PROPOSED HMA BINDER COURSE, IL-19.0, N70, 3 ½"
- (10) PROPOSED HMA BINDER COURSE, IL-19.0, N70, 2 ½"
- (11) PROPOSED HMA SURFACE COURSE, MIX "D", N70, 2"

- (12) SAWED LONGITUDINAL JOINT, TYPE A, WITH #5 EPOXY COATED DEFORMED BAR @ 30" C-C
- (13) LONGITUDINAL CONSTRUCTION JOINT, TYPE A, WITH #5 EPOXY COATED DEFORMED BAR @ 30" C-C
- (14) PROPOSED SEEDING, CLASS 2A AND TOPSOIL, 4"
- (15) PROPOSED SODDING, SALT TOLERANT AND TOPSOIL, 4"
- (16) PROPOSED CLASS "D" PATCH, 9" (AS DIRECTED BY RESIDENT ENGINEER)

FILE NAME = 99024_03-TYPX-01 - P02	USER NAME =	DESIGNED — WD	REVISED — 11-21-11 - ADDENDUM #3
		CHECKED — TRL	REVISED —
	PLOT SCALE = 1:1	DRAWN — AG	REVISED —
	PLOT DATE = 5-25-2010	CHECKED —	REVISED —

STATE OF ILLINOIS
COOK COUNTY HIGHWAY DEPARTMENT

JOE ORR ROAD (RELOCATED)
EAST OF STONY ISLAND AVENUE TO TORRENCE AVENUE
TYPICAL CROSS SECTIONS

SCALE: NA | SHEET NO. 7R OF 144 SHEETS | STA. | TO STA.

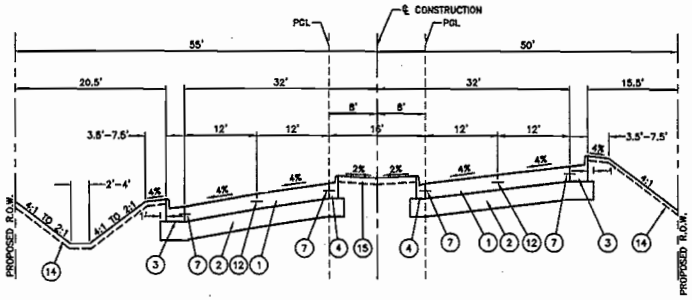
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1631	09-B8736-03-RP	COOK	144	7R

CONTRACT NO.

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

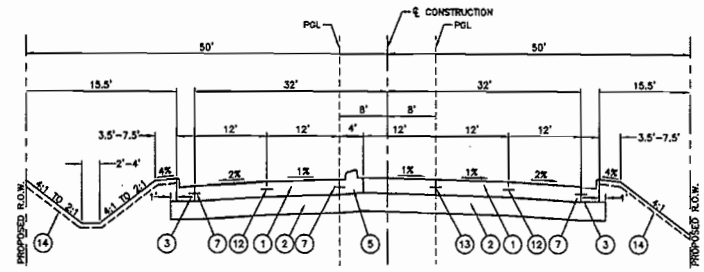
COUNTY HIGHWAY	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
B67	2011	8R	144

SECTION: 09-B6736-03-RP



NOTE:
*SEE PLAN AND PROFILE SHEETS FOR SUPERELEVATION TRANSITION LIMITS.

PROPOSED TYPICAL CROSS SECTION
JOE ORR ROAD
STA 23+55.95 TO STA 36+75.83



NOTE:
*SEE PLAN AND PROFILE SHEETS FOR SUPERELEVATION TRANSITION LIMITS.

PROPOSED TYPICAL CROSS SECTION
JOE ORR ROAD
STA 41+75.74 TO STA 43+90.74
STA 45+03.64 TO STA 45+67.39

LEGEND

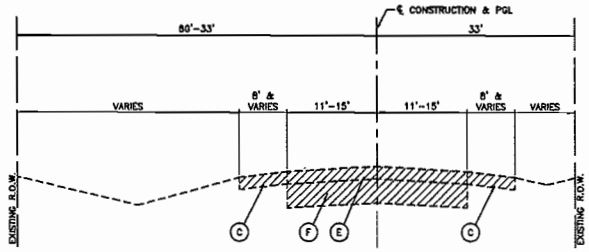
- (A) EXISTING BITUMINOUS PAVEMENT, ± 10"
- (B) EXISTING AGGREGATE SUB-BASE, ± 4"
- (C) EXISTING AGGREGATE SHOULDER
- (D) HOT-MIX ASPHALT SURFACE REMOVAL, 1 ¾"
- (E) EXISTING BITUMINOUS PAVEMENT, ±4"
- (F) EXISTING PCC BASE, ±9"
- ITEMS TO BE REMOVED
- (1) PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT, 10"
- (2) PROPOSED AGGREGATE SUBGRADE, 12"
- (3) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (4) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (5) CONCRETE MEDIAN, TYPE SB-6.12
- (6) LONGITUDINAL CONSTRUCTION JOINT, TYPE B
- (7) #5 TIE BAR, 30" @ 30" C-C, EPOXY COATED
- (8) PROPOSED HMA BINDER COURSE, IL-19.0, N70, 4"
- (9) PROPOSED HMA BINDER COURSE, IL-19.0, N70, 3 ¾"
- (10) PROPOSED HMA BINDER COURSE, IL-19.0, N70, 2 ¾"
- (11) PROPOSED HMA SURFACE COURSE, MIX "D", N70, 2"
- (12) SAWED LONGITUDINAL JOINT, TYPE A, WITH #5 EPOXY COATED DEFORMED BAR @ 30" C-C
- (13) LONGITUDINAL CONSTRUCTION JOINT, TYPE A, WITH #5 EPOXY COATED DEFORMED BAR @ 30" C-C
- (14) PROPOSED SEEDING, CLASS 2A AND TOPSOIL, 4"
- (15) PROPOSED SODDING, SALT TOLERANT AND TOPSOIL, 4"
- (16) PROPOSED CLASS "D" PATCH, 9" (AS DIRECTED BY RESIDENT ENGINEER)

FILE NAME = 99324_02-TYPX-01 - P00	USER NAME =	DESIGNED — WD	REVISED — 11-21-11 - ADDENDUM #3	STATE OF ILLINOIS COOK COUNTY HIGHWAY DEPARTMENT	JOE ORR ROAD (RELOCATED) EAST OF STONY ISLAND AVENUE TO TORRENCE AVENUE TYPICAL CROSS SECTIONS
		CHECKED — TRL	REVISED —		
	PLOT SCALE = 1=1	DRAWN — AG	REVISED —		
	PLOT DATE = 5-25-2010	CHECKED —	REVISED —		SCALE: NA · SHEET NO. 8R OF 144 SHEETS · STA. · TO STA.

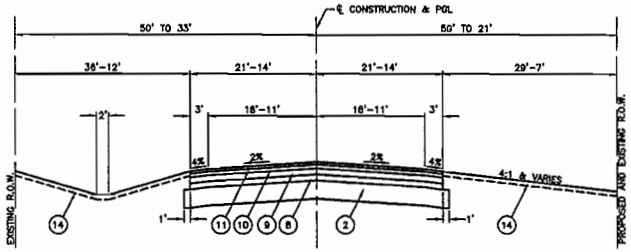
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1631	09-B6736-03-RP	COOK	144	8R
		CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

COUNTY HIGHWAY	FISCAL YEAR	SHEET NO	TOTAL SHEETS
B67	2011	9R	144

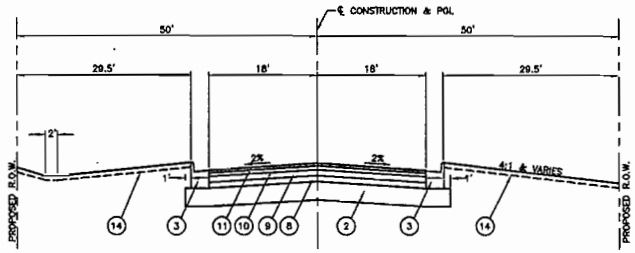
SECTION: 09-B6738-03-RP



EXISTING TYPICAL CROSS SECTION
TORRENCE AVENUE
STA 191+81.43 TO STA 216+73.68



PROPOSED TYPICAL CROSS SECTION
TORRENCE AVENUE
STA 191+81.43 TO STA 199+01.53
STA 209+96.68 TO STA 216+73.91



PROPOSED TYPICAL CROSS SECTION
TORRENCE AVENUE
STA 199+01.53 TO STA 209+96.68

LEGEND

- (A) EXISTING BITUMINOUS PAVEMENT, ± 10"
- (B) EXISTING AGGREGATE SUB-BASE, ± 4"
- (C) EXISTING AGGREGATE SHOULDER
- (D) HOT-MIX ASPHALT SURFACE REMOVAL, 1 ¾"
- (E) EXISTING BITUMINOUS PAVEMENT, ±4"
- (F) EXISTING PCC BASE, ±9"
- ITEMS TO BE REMOVED

- (1) PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT, 10"
- (2) PROPOSED AGGREGATE SUBGRADE, 12"
- (3) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (4) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (5) CONCRETE MEDIAN, TYPE SB-6.12
- (6) LONGITUDINAL CONSTRUCTION JOINT, TYPE B
- (7) #5 TIE BAR, 30" @ 30" C-C, EPOXY COATED
- (8) PROPOSED HMA BINDER COURSE, IL-19.0, N70, 4"
- (9) PROPOSED HMA BINDER COURSE, IL-19.0, N70, 3 ¾"
- (10) PROPOSED HMA BINDER COURSE, IL-19.0, N70, 2 ¼"
- (11) PROPOSED HMA SURFACE COURSE, MIX "D", N70, 2"
- (12) SAWED LONGITUDINAL JOINT, TYPE A, WITH #5 EPOXY COATED DEFORMED BAR @ 30" C-C
- (13) LONGITUDINAL CONSTRUCTION JOINT, TYPE A, WITH #5 EPOXY COATED DEFORMED BAR @ 30" C-C
- (14) PROPOSED SEEDING, CLASS 2A AND TOPSOIL, 4"
- (15) PROPOSED SODDING, SALT TOLERANT AND TOPSOIL, 4"
- (16) PROPOSED CLASS "D" PATCH, 9" (AS DIRECTED BY RESIDENT ENGINEER)

FILE NAME = 99324_02-TYPX-01 - P04	USER NAME =	DESIGNED — WD	REVISED — 11-21-11 - ADDENDUM #3
		CHECKED — TRL	REVISED —
	PLOT SCALE = 1=1	DRAWN — AG	REVISED —
	PLOT DATE = 5-25-2010	CHECKED —	REVISED —

STATE OF ILLINOIS
COOK COUNTY HIGHWAY DEPARTMENT

JOE ORR ROAD (RELOCATED)
EAST OF STONY ISLAND AVENUE TO TORRENCE AVENUE
TYPICAL CROSS SECTIONS

SCALE: NA | SHEET NO. 9R OF 144 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1831	09-B6738-03-RP	COOK	144	9R
		CONTRACT NO.		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

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COUNTY OF COOK

CHICAGO, ILLINOIS

NOTICE

TO CONTRACTORS FOR A COUNTY HIGHWAY IMPROVEMENT

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

Until Wednesday, November 30, 2011 at 11:00 A.M. (Local Time) and then publicly opened and read aloud

Improvement Joe Orr Road (Relocated) Township Bloom

From East of Stony Island Avenue To Torrence Avenue

Route B67 Section 09-B6736-03-RP

Federal Project No. M-9003(741) Federal Job No. C-91-184-11

LOCATION OF IMPROVEMENT

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

The improvement to Joe Orr Road (Relocated) begins approximately 4,133 ft. west of the centerline of Torrence Avenue and extends in a southeasterly direction for a total distance of approximately 4,838 ft. (0.92 miles) to be improved along the proposed centerline of Joe Orr Road (Relocated) ending approximately 120 ft. east of the centerline of Torrence Avenue, approximately 1,400 ft. south of the existing intersection of Torrence Avenue and Joe Orr Road. The improvement to Torrence Avenue begins approximately 2,668 ft. south of the existing intersection of Torrence Avenue and Joe Orr Road along the centerline of Torrence Avenue; and extends in a northerly direction approximately 4,353 ft. (0.82 miles) to be improved ending approximately 766 ft. north of the centerline of Glenwood-Dyer Road. A total distance of approximately 813 ft. (0.15 miles) to be improved along Joe Orr Road (Old) at its intersection with Joe Orr Road (Relocated) near Bluestem Parkway is included for an approximate total distance of 10,005 ft. (1.89 miles) to be improved located within the Villages of Lynwood and Ford Heights in Bloom Township, Cook County, Illinois.

DESCRIPTION OF IMPROVEMENT

This is a Quality Control/Quality Assurance improvement utilizing Hot-Mix Asphalt (HMA) mixtures for the widening and resurfacing, and reconstruction of Joe Orr Road and Torrence Avenue to transition between the existing HMA and proposed HMA and PCC pavements to provide a 3-lane HMA pavement along Torrence Avenue, and a 5-lane PCC pavement along Joe Orr Road (Relocated) consisting of HMA surface course, HMA binder course, HMA full depth pavement, and aggregate subgrade including combination concrete curb and gutter; an enclosed drainage system, ditches, swales and a detention pond; box culverts and junction chambers; tree removal and earth excavation; new traffic signal installation at the intersection of Joe Orr Road (Relocated) at Torrence Avenue, and existing traffic signal modifications at the intersection of Torrence Avenue at Glenwood-Dyer Road; pavement markings and signage; landscaping including topsoil, seeding and sodding including sodded medians, and erosion control; detour routing and traffic protection, and other related road work to complete the improvement.

COOK COUNTY HIGHWAY DEPARTMENT
SPECIAL PROVISION CHECK LIST
EFFECTIVE July 1, 2011 v 2011.2

Project: Joe Orr Road (Relocated)
Limits: East of Stony Island Avenue to Torrence Avenue
Section: 09-B6736-03-RP

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

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

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

	No.	Description	Origin and Date Last Revised
	142	Jacking Existing Superstructure	(IL) Jan. 1, 2007
X	143	Junction Chamber	(CC) Jan. 1, 2007
	144	Neoprene Expansion Joint Removal	(CC) Oct. 10, 1995
	145	Structural Repair of Concrete	(IL) May 11, 2009
	146	Polymer Modified Portland Cement Mortar	(IL) June. 1, 2007
	147	Concrete Wearing Surface	(IL) Jan. 12, 2009
	148	Sheet Waterproofing Membrane System	(CC) Nov. 19, 1999
	149	Chain Link Fence (Modified)	(CC) Jan. 1, 2004
	150-155	Not used	
	156	Storm Sewer, (Ductile Iron Pipe) and Storm Sewers, (Extra Strength Vitrified Clay Pipe) in the City of Chicago	(CC-IL) October 20, 2009
	157	Water Main for Installation in the City of Chicago	(CC-IL) Dec. 21, 2009
	158	Frames, City Electric in the City of Chicago	(CC-IL) April 14, 2009
	159	Lids, City Electric in the City of Chicago	(CC-IL) April 14, 2009
	160	Lids and Lids, ADA Compliant in the City of Chicago	(CC-IL) April 14, 2009
	161	Various City Drainage and Utility Structure Adjustments in the City of Chicago	(CC-IL) Dec. 21, 2009
	162	Storm Sewer (Ductile Iron Pipe and Vitrified Clay Pipe) Installation	(CC-IL) Dec. 1, 2007
	163	Boring and Jacking Storm Sewers, Sanitary Sewers or Water Mains	(CC) Dec. 1, 2007
	164	Storm Sewers Jacked in Place (Over 36 In. Dia.)	(CC) Dec. 21, 2009
	165	Storm Sewer Drilled and Pushed (36 In. Dia. Max.)	(CC) Dec. 1, 2007
	166	Storm Sewers, Abandon and Fill	(CC) Dec. 21, 2007
	167	Storm Sewer to be Televised	(CC) Dec. 30, 2008
X	168	Connecting Existing Field Drain Tile	(CC) Dec. 1, 2007
X	169	Plugging Existing Drains and Sewers	(CC) Dec. 1, 2007
X	170	Blocking Existing Drains and Sewers	(CC) Dec. 21, 2009
	171	Manholes to be Reconstructed, Special; Catch Basins to be Reconstructed, Special; Valve Vaults to be Reconstructed, Special	(CC) Dec. 1, 2007
X	172	Filling Existing Manholes, Special; Filling Existing Catch Basins, Special; Filling Existing Inlets, Special	(CC) Jan. 1, 2007
X	173	Manholes, Type A, with Restrictor Plates	(CC) Dec. 1, 2007
	174	Pipe Underdrains	(IL-CC) Dec. 30, 2008
X	175	Lids and Frames and Lids	(CC) Dec. 1, 2007
	176	Frames and Lids to be Adjusted, Special	(CC) Dec. 21, 2009
	177	Headwall Inlet and Grate	(CC) Dec. 1, 2007
X	178	Flared End Sections to be Removed, Flared End Sections to be Relocated	(CC) Dec. 30, 2008
X	179	Bracing and Sheeting	(CC) Dec. 1, 2007
X	180	Pavement Replacement	(CC) July 1, 2011
	181-184	Not used	

	No.	Description	Origin and Date Last Revised
X	185	* Cooperation With Utilities	(CC) Dec. 21, 2009
	186	Water Valve Boxes to be Adjusted and Domestic Meter Vaults to be Adjusted	(CC) Dec. 21, 2009
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. 1, 2009
X	191	Fire Hydrants Vertical Adjustment	(CC) Dec. 21, 2009
X	192	Sanitary Sewer Installation	(CC) Dec. 21, 2009
X	193	Sanitary Manholes	(CC) Dec. 21, 2009
X	194	Waterproofing of Sanitary Manholes	(CC) July 1, 2011
X	195	Precast Concrete Handling Holes	(IL-CC) Dec. 30, 2008
	196-198	Not used	
X	199	Inlet Filter Cleaning	(CC) Dec. 21, 2009
X	200	Cleaning Existing Manholes, Catch Basins or Inlets and Cleaning Existing Storm Sewer and Pipe Culverts	(CC) Dec. 1, 2007
X	201	Erosion And Sediment Control Deficiency Deduction	(IL-CC) Dec. 30, 2008
X	202	* National Pollutant Discharge Elimination System	(CC) Dec. 21, 2009
X	203	Temporary Erosion Control	(IL-CC) Dec. 30, 2008
X	204	Maintaining Drainage and Stream Protection	(CC) Dec. 1, 2007
	205	Storm Water Pollution Separation System (VortSentry)	(CC) Dec. 21, 2009
	206	Storm Water Pollution Separation System (SPECIAL)	(CC) Dec. 1, 2007
	207-210	Not used	
X	211	Seeding	(CC) Sept. 1, 2002
X	212	Sodding	(CC) Sept. 1, 2002
	213	Trees To Be Planted	(CC) Jan 1, 2008
	214	Salvaging and Transplanting Trees; Salvaging and Transplanting Shrubs	(CC) Sept. 1, 2002
X	215	Planting Woody Plants	(CC) Jan. 1, 1997
	216	Seeding, Fine Fescue Blend	(CC) Jan. 1, 2007
	217	Seeding, Class 4B Modified	(CC) Jan. 1, 2007
	218-226	Not used	
X	227	Work Zone Traffic Control	(IL) Jan. 1, 2007
X	228	Traffic Control Devices – Detour Routing	(CC) Mar. 6, 2003
	229	Not used	
X	230	Polyurea Pavement Marking	(IL) Jan. 1, 2009
X	231	Traffic Protection	(CC) Sept. 5, 2007
X	232	Thermoplastic Pavement Markings	(IL) Jan. 1, 2007
X	233	Reflective Sheeting on Channelizing Devices	(IL) Nov. 1, 2008
X	234	Type ZZ Retroreflective Sheeting, etc.	(IL) April 1, 2007

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

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

Additional Inserted Special Provisions (As Required)

Cook County Highway Department (CCHD) Additional Inserted Special Provisions

- Landscaping
- Department of the Army Chicago District Corps of Engineers Permit
- Temporary Butt Joints
- Removal and Disposal of Regulated Substances
- Fence Removal
- Porous Granular Embankment, Subgrade
- Detectable Warnings
- Hot-Mix Asphalt Surface Removal – Variable Depth
- Turf Pavers
- Storm Sewers, (Ductile Iron Pipe)
- Grating for Concrete Flared End Section 72 In.
- Inlet Box, Special
- Box Culvert Removal
- Block Existing Box Culvert
- Water Main Removal
- Ductile Iron Water Main
- Mechanical Joint Restraints
- Fittings
- Fire Hydrant to be Moved/Fire Hydrants
- Schedule 80 Galvanized Steel Water Main, 8 Inch
- Steel Sleeve – Open Cut
- Water Vaults
- Sanitary Manholes to be Adjusted
- Valve Boxes to be Adjusted
- Barricades, Type III
- Existing Sign to be Relocated

Illinois Department of Transportation (IDOT) Additional Inserted Special Provisions

- Adjacent Contract Coordination
- IDOT Recurring Special Provisions
- IDOT Recurring LRS Special Provisions
- IDOT District One Special Provisions
- IDOT BDE Special Provisions

Additional Document Inclusions (Required)

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

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

Origin of Special Provisions

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

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

BY ORDER

BOARD OF COUNTY COMMISSIONERS

THE COUNTY OF COOK

MARIA DE LOURDES COSS, CPPO

PURCHASING AGENT

JOHN J. BEISSEL, P.E.

ACTING SUPERINTENDENT OF HIGHWAYS

DEFINITION OF TERMS

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

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

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

INFORMATION for BIDDERS

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

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

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

4) An estimate of quantities of work to be done and material to be furnished under the specifications will be found in the Schedule of Prices. It is the result of careful calculations and is believed to be correct but is given only as a basis for a comparison of proposals and award of a contract.

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

6) The bidder should include in the bid price in his proposal any taxes such as Occupational, Social Security, Unemployment Compensation, etc., which he might be required to pay in connection with the construction of the proposed improvement. The County of Cook will not reimburse the Contractor for the payment of any such taxes.

7) The Board of County Commissioners for The County of Cook reserves the right to reject any or all proposals and to waive technicalities of form. Proposals may be rejected if current work being performed for The County of Cook by the bidder has been unsatisfactory from the standpoint of workmanship or progress, or if the contractor has been awarded work by others subsequent to the issuance of the proposal, which may, in the judgement of said Board of County Commissioners, endanger the prompt completion of the proposed improvement.

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

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

of the contract price within fifteen (15) days after receiving notice of acceptance. Such acceptance being contingent upon the fulfillment of this requirement by said bidder. Failure on the part of said bidder to so execute a contract and surety bond shall be considered just cause for the forfeiture of the proposal guaranty as payment of liquidated damages sustained by the County of Cook as the result of such, and the annulment of acceptance of the proposal.

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

SPECIAL PROVISION
FOR
BIDDING REQUIREMENTS AND CONDITIONS FOR CONTRACT PROPOSALS

Prequalification of Bidders. When prequalification is required and the Awarding Authority for contract construction work is the County Board of a County, each prospective bidder, in evidence of competence, shall furnish the Awarding Authority a certified or photostatic copy of a "Certificate of Eligibility" issued by the Department of Transportation, according to the Department's "Prequalification Manual."

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

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

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

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

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

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

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

f) Default under previous contracts.

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

h) When the Contractor is suspended from eligibility to bid at a public letting where the contract is awarded by, or requires approval of, the Department.

i) When any agent, servant, or employee of the prospective bidder currently serves as a member, employee, or agent of a governmental body that is financially involved in the proposal work.

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

Interpretation of Quantities in the Bid Schedule. The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract. The

scheduled quantities of work to be done and materials to be furnished may be increased, decreased, or omitted as hereinafter provided.

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

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

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

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

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

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

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

a) More than one proposal for same work from an individual, firm partnership, or corporation under the same name or different names.

b) Evidence of collusion among bidders.

c) Unbalanced proposals in which the bid prices for some items are, in the judgment of the Awarding Authority, out of proportion to the bid prices for other items.

d) If the proposal does not contain a unit price for each pay item listed except in the case of authorized alternate pay items or lump sum pay items.

e) If the proposal form is other than that furnished by the Awarding Authority; or if the form is altered or any part thereof is detached.

f) If there are omissions, erasures, alterations unauthorized additions, conditional or alternate bids, or irregularities of any kind which may tend to make the proposal incomplete, indefinite or ambiguous as to its meaning.

g) If the bidder adds any provisions reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.

h) If the proposal is not accompanied by the proper proposal guaranty.

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

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

Amount Bid		Proposal Guaranty
Up to	$5,000	$150
$5,000	$10,000	$300
$10,000	150,000	$1,000
$50,000	$100,00	$3,000
$100,000	$150,000	$5,000
$150,000	$250,000	$7,500
$250,000	$500,000	$12,500
$500,000	$1,000,000	$25,000

$1,000,000	$1,500,000	$50,000
$1,500,000	$2,000,000	$75,000
$2,000,000	$3,000,000	$100,000
$3,000,000	$5,000,000	$150,000
$5,000,000	$7,500,000	$250,000
$7,500,000	$10,000,000	$400,000
$10,000,000	$15,000,000	$500,000
$15,000,000	$20,000,000	$600,000
$20,000,000	$25,000,000	$700,000
$25,000,000	$30,000,000	$800,000
$30,000,000	$35,000,000	$900,000
Over	$35,000,000	$1,000,000

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

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

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

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

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

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

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

Consideration of Proposals. After the proposals are opened and read, they will be compared on the basis of the summation of the products of the quantities shown in the bid schedule by the unit bid prices. In awarding contracts, the Awarding Authority will, in addition to considering the amounts stated in the proposals, take into consideration the responsibility of the various bidders as determined from a study of the data required under "Prequalification of Bidders", and from other investigations which it may elect to make.

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

Awarding of Contract. The award of contract will be made within 45 calendar days after the opening of proposals to the lowest responsible and qualified bidder whose proposal complies with all the requirements prescribed. The successful bidder will be notified by letter of intent that his/her bid has been accepted, and subject to the following conditions, the bidder will be the Contractor.

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

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

Requirement of Contract Bond. The Contractor shall furnish the Awarding Authority a performance and payment bond with good and sufficient sureties in the full amount of the contract as the penal sum. The surety shall be acceptable to the Awarding Authority, shall waive notice of any changes and extensions of time, and shall submit its bond on the form furnished by the Awarding Authority.

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

If the bidder to whom the award is made is a corporation organized under the laws of the State other than Illinois, the bidder shall furnish the Awarding Authority a copy of the corporation's Certificate of Authority to do business in the State of Illinois with the return of the executed contract and bond. Failure to furnish such evidence of a Certificate of authority within the time required will be considered as just cause for the annulment of the award and the forfeiture of the proposal guaranty to the Awarding Authority, not as a penalty, but in payment of liquidated damages sustained as a result of such failure.

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

Failure of the successful bidder to execute the contract and file acceptable bonds within 15 days after the contract has been mailed to the bidder shall be just cause for the cancellation of the award and the forfeiture of the proposal guaranty which shall become the property of the Awarding Authority, not as penalty, but in liquidation of damages sustained. Award may then be made to the next lowest responsible

bidder, or the work may be readvertised and constructed under contract, or otherwise, as the Awarding Authority may decide.

SPECIAL PROVISION
FOR
PRE-BID MEETING

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

Cook County Highway Department

PLACE: 69 W. Washington Street
Suite 2260
Chicago, IL 60602
TIME: 11:00 a.m.
DATE: Tuesday, November 8, 2011

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

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

Submitted for signature by:

_____
Cook County Highway Department

SPECIAL PROVISION
FOR
WAGES OF EMPLOYEES ON PUBLIC WORKS

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

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

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

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

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

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

General Decision Number: IL100020 10/14/2011 IL20

Superseded General Decision Number: IL20080020

State: Illinois

Construction Types: Building Landscape, Heavy Landscape, Highway Landscape and Residential Landscape

Counties: Boone, Cook, De Kalb, Du Page, Grundy, Henry, Kane, Kankakee, Kendall, Lake, McHenry, McLean, Ogle, Peoria, Rock Island, Tazewell, Will, Winnebago and Woodford Counties in Illinois.

LANDSCAPING WORK ON BUILDING, RESIDENTIAL, HEAVY AND HIGHWAY CONSTRUCTION PROJECTS.

Modification Number	Publication Date
0	03/12/2010
1	03/19/2010
2	04/02/2010
3	05/07/2010
4	05/21/2010
5	07/02/2010
6	10/01/2010
7	11/05/2010
8	07/01/2011
9	07/22/2011
10	10/14/2011

ENGI0150-013 01/01/2008

BUILDING AND HIGHWAY CONSTRUCTION (LANDSCAPE WORK): The landscape work for the Landscape Equipment Operator excludes the preparation of sub-grade prior to application of finish landscape materials and the utilization of any equipment over one cubic yard.

BOONE, COOK, DUPAGE, GRUNDY, KANE, KENDALL, LAKE, MCHENRY, AND WILL COUNTIES

	Rates	Fringes
Operators:.....	$ 23.00	1.65+A+B+C

Includes Angle Dozer, Small; Bobcat and other similar type machines, 1 cu yd or less; Chipping Machine; Combination Backhoe and Front End Loader 1 cu yd or less; Fork Lift Truck; Hi-Reach and High-Ranger;Hydraulic Boom with Clam;Log Skidder; Sttraw Blower and Seeder; Stump Machine;Tractors, Crawlers, Rubber Tire Tractors, Highlift Shovels or Front End Loaders 1 cu yd or less; Tree Spades, all; Utility Tractor and attachments, and Rubber Tire Front End loader or similar machine of 1 to 1.5 cu yd solely used for placement of large decorative boulders, trees with balled soil, and other decorative landscape material too large to be accommodated in

a 1 cu yd bucket. All other equipment utilized for performing landscape work, tree trimming or removal of stees, and to install plants; transport trees; excavate plant pits; place soil and other landscape materials; and apply finish landscape material on subgrade prepared by others

FOOTNOTE:

A. Health and Welfare contribution is $810.00 per month effective January 1, 2007 and $895.00 per month effective January 1, 2008.

B. Paid Holidays: New Year's Day; Memorial Day; Fourth of July; Labor Day; Thanksgiving Day; and Christmas Day are provided the employee if they work their regularly scheduled work day immediately preceding and the regularly work day immediately succeeding the occurrence of the holiday.

C. Paid Vacation: All employees who have been in the employ of the Employer for a full season of work shall be entitled to one (1) week of vacation with pay. Employees who have been paid for not less than twelve hundred (1200) straight time hours since their most recent anniversary date of hire at vacation time will be deemed to have worked one full season. All employees who have been in the employ of their Employer for three(3) or more consecutive full seasons of work shall at the conclusion of their current season be entitled to two (2) weeks of paid vacation. All employees who have been in the employ of their employer for nine (9) or more consecutive full seasons of work shall be entitled to three (3) weeks of paid vacation.

ENGI0150-023 01/01/2008

HIGHWAY CONSTRUCTION (LANDSCAPE WORK): The landscape work for the Landscape Equipment Operator excludes the preparation of sub-grade prior to application of finish landscape materials and the utilization of any equipment over one cubic yard.

HENRY, MCLEAN, OGLE, PEORIA, ROCK ISLAND, TAZEWELL, WINNEBAGO, and WOODFORD COUNTIES

	Rates	Fringes
Operators:.....	$ 23.00	1.65+A+B+C

Includes the following: Angle Dozer, Small; Bobcat and other similar type machines, 1 cu yd or less; Chipping Machine; Combination Backhoe and Front End Loader 1 cu yd or less; Fork Lift Truck; Hi-Reach and High-Ranger;Hydraulic Boom with Clam;Log Skidder; Sttraw Blower and Seeder; Stump Machine;Tractors, Crawlers, Rubber Tire Tractors, Highlift Shovels or Front End Loaders 1 cu yd or less; Tree Spades, all; Utility Tractor and attachments, and Rubber Tire Front End loader or similar machine of 1 to 1.5 cu yd solely used for placement of large decorative boulders, trees with balled soil, and other decorative landscape material too large to be accommodated in a 1 cu yd bucket. All other equipment utilized

for performing landscape work, tree trimming or removal of stees, and to install plants; transport trees; excavate plant pits; place soil and other landscape materials; and apply finish landscape material on subgrade prepared by others

FOOTNOTE:

A. Health and Welfare contribution of 735.00 per month

B. Paid Holidays: New Year's Day; Memorial Day; Fourth of July; Labor Day; Thanksgiving Day; and Christmas Day are provided the employee if they work their regularly scheduled work day immediately preceding and the regularly work day immediately succeeding the occurrence of the holiday.

C. Paid Vacation: All employees who have been in the employ of the Employer for a full season of work shall be entitled to one (1) week of vacation with pay. Employees who have been paid for not less than twelve hundred (1200) straight time hours since their most recent anniversary date of hire at vacation time will be deemed to have worked one full season. All employees who have been in the employ of their employer for three (3) or more consecutive full seasons of work shall at the conclusion of their current season be entitled to two (2) weeks of paid vacation. All employees who have been in the employ of their employer for nine (9) or more consecutive full seasons of work shall be entitled to three (3) weeks of paid vacation.

LABO0032-004 05/01/2009

HIGHWAY CONSTRUCTION

WINNEBAGO COUNTY

	Rates	Fringes
Landscape Laborer.....	$ 27.66	18.50

LABO0362-003 05/01/2011

HIGHWAY CONSTRUCTION

MCLEAN COUNTY

	Rates	Fringes
Landscape Laborer.....	$ 28.96	17

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* LABO0751-004 05/01/2011

HIGHWAY CONSTRUCTION

KANKAKEE COUNTY

	Rates	Fringes
Landscape Laborer.....	$ 32.47	19.60

LABO0852-004 05/01/2006

HIGHWAY CONSTRUCTION

ROCK ISLAND AND HENRY COUNTIES

	Rates	Fringes
Landscape Laborer	$ 21.94	12.79

LABO0996-004 05/01/2011

HIGHWAY CONSTRUCTION

PEORIA, TAZEWELL, AND WOODFORD COUNTIES

	Rates	Fringes
Landscape Laborer	$ 29.61	16.35

SUIL1993-001 01/19/1993

BUILDING CONSTRUCTION (LANDSCAPE WORK):

	Rates	Fringes
LABORER		
BOONE, GRUNDY, KANE, KENDALL, LAKE, MCHENRY, & WILL COUNTIES		
LANDSCAPE LABORERS	$ 7.25	
COOK COUNTY		
LANDSCAPE LABORERS	$ 7.25	
LANDSCAPE PLANTSMAN	$ 9.80	1.82
DE KALB COUNTY		
LANDSCAPE LABORERS	$ 7.25	
LANDSCAPE OPERATORS	$ 7.25	
LANDSCAPE PLANTSMAN	$ 9.66	.26
DU PAGE COUNTY		
LANDSCAPE LABORERS	$ 7.25	
LANDSCAPE PLANTSMAN	$ 9.04	1.16
GRUNDY, LAKE & WILL COUNTIES		
LANDSCAPE DRIVER 2 & 3 Axles	$ 11.86	2.81
LANDSCAPE PLANTSMAN	$ 12.00	3.32

SUIL1993-002 01/19/1993

HEAVY CONSTRUCTION (LANDSCAPE WORK)

	Rates	Fringes
LABORER		
BOONE, GRUNDY, KANE, KENDALL, LAKE, MCHENRY & WILL COUNTIES:		
LANDSCAPE DRIVER, 2 & 3 AXLES	$ 11.94	2.42
LANDSCAPE LABORERS	$ 7.25	

LANDSCAPE OPERATORS.....$ 13.11		3.01
LANDSCAPE PLANTSMAN.....$ 9.73		2.05
COOK COUNTY:		
LANDSCAPE DRIVER, 2 & 3 AXLES.....$ 9.93		1.89
LANDSCAPE LABORERS.....$ 7.25		
LANDSCAPE OPERATORS.....$ 10.98		2.12
LANDSCAPE PLANTSMAN.....$ 10.08		2.06
DE KALB COUNTY:		
LANDSCAPE LABORERS.....$ 7.25		
LANDSCAPE OPERATORS.....$ 7.25		
LANDSCAPE PLANTSMAN.....$ 9.66		.26
DU PAGE COUNTY:		
LANDSCAPE DRIVER, 2 & 3 AXLES.....$ 8.32		1.02
LANDSCAPE LABORERS.....$ 7.25		
LANDSCAPE OPERATORS.....$ 10.75		
LANDSCAPE PLANTSMAN.....$ 10.65		

SUIL1993-003 01/19/1993

HIGHWAY CONSTRUCTION (LANDSCAPE WORK):

	Rates	Fringes
LABORER		
DE KALB COUNTY		
LANDSCAPE LABORERS.....$ 7.25		
LANDSCAPE OPERATORS.....$ 7.25		
LANDSCAPE PLANTSMAN.....$ 9.66		.26
KANKAKEE COUNTY:		
LANDSCAPE DRIVER.....$ 8.75		.17
LANDSCAPE OPERATOR.....$ 16.57		3.56
PEORIA, TAZEWELL, & WOODFORD COUNTIES:		
TRUCK DRIVERS 2 & 3 AXLES..$ 17.58		5.88

TEAM0065-005 05/01/2009

MCLEAN COUNTY (South of a straight line from where Route 24 intersects the Woodford County line in a Southeast direction to the South Southwest corner of Livingston County), OGLE (South of Route 72/West of Route 251), PEORIA, TAZEWELL, and WOODFORD (All except Northeast corner East of Route 51/251 & South of Route 24) COUNTIES

	Rates	Fringes
TRUCK DRIVER		
Group 1.....$ 28.488		9.30+a
Group 2.....$ 28.888		9.30+a
Group 3.....$ 29.088		9.30+a
Group 4.....$ 29.338		9.30+a
Group 5.....$ 30.088		9.30+a

FOOTNOTE: a. $162.50 per week

CLASSIFICATIONS:

GROUP 1: Drivers on 2 axles hauling less than 9 tons; air compressor & welding machines and brooms, including those pulled by separate units; Truck Driver Helper, warehouse employees; Mechanic Helpers; greasers and tiremen; pick-up trucks when hauling material, tools, or workers to and from and on the job site; and forklifts up to 6,000 lb capacity.

GROUP 2: 2 or 3 axles hualing more than 9 tons but hauling less than 16 tons; A-frame winch trucks; hydrolift trucks; Vactor Trucks or similar equipment when used for transportation purposes; Forklift over 6,000 lb.capacity; winch trucks; and four axle combiation units.

GROUP 3: 2, 3 or 4 Axles hauling 16 tons or more; 5-Axles or more combination units; drivers on water pulls; articulated dump trucks; mechanics and working forepersons.

GROUP 4: Low Boy and Oil Distributors.

GROUP 5: Drivers who require special protective clothing while employed on hazardous waste work.

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* TEAM0179-004 06/01/2011

GRUNDY, KENDALL, MCLEAN (North of a straight line starting at the intersection of McLean-Woodford Counties line & Route 24 in a Southeastern direction to the South Southwest corner of Livingston County), WILL, and WOODFORD (Northeast corner east of Route 51/251 & North of Route 24) COUNTIES

	Rates	Fringes
TRUCK DRIVER		
2-3 AXLES	$ 35.65	7.25+a
4 AXLES	$ 35.80	7.25+a
5 AXLES	$ 36.00	7.25+a
6 AXLES	$ 36.20	7.25+a
All Lowboy Trucks	$ 37.20	7.25+a

FOOTNOTE: a. $229.80 per week.

FOOTNOTE: An additional $.20 per axle shall be paid for all vehicles with more than six (6) axles.

CLASSIFICATIONS:

Group 1 - Frame Truck when used for transportation purposes; Air Compressor and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Articulated Dumps; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry Alls; Forl Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors, two-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Pothole Repair Trucks; Power Mower Tractors; Quick Change Barrier; Self-Propelled Chip Spreader; Shipping and Receiving Clerks and Checkers; Skipman; Slurry Trucks, two-man operation; Slurry Trucks, Conveyor Operated - 2 or 3 man operation; Teamsters; Unskilled Dumpmen; Warehousemen and Dockmen; Truck Drivers hauling warning lights,

barricades, and portable toilets on the job site

Group 2 - Dispatcher; Dump Crets and Adgetators 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; Winch Trucks, 2 Axles

Group 3 - Dump Crets and Adgetators, 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers 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, one-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long;
Slurry Trucks, one-man operation; Winch Trucks, 3 axles or more; Mechanic - *Truck Welder and *Truck Painter*These classifications shall only apply in areas where and when it has been a past area practice; Asphalt Plant Operators in areas where it has been past practice

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

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* TEAM0179-008 06/01/2011

KANKAKEE COUNTY

	Rates	Fringes
TRUCK DRIVER		
2 or 3 axles	$ 35.65	7.25+a
4 axles	$ 35.80	7.25+a
5 axles	$ 36.00	7.25+a
6 axles	$ 36.20	7.25+a

FOOTNOTE: a. $229.80 per week.

FOOTNOTE: An additional $.20 per axle shall be paid for all vehicles with more than six (6) axles.

CLASSIFICATIONS:

Group 1 - Frame Truck when used for transportation purposes; Air Compressor and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Articulated Dumps; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry Alls; Forl Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors, two-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Pothole Repair Trucks; Power Mower Tractors; Quick Change Barrier; Self-Propelled Chip Spreader; Shipping and Receiving Clerks and Checkers; Skipman; Slurry Trucks, two-man operation; Slurry Trucks, Conveyor Operated - 2 or 3 man operation; Teamsters; Unskilled Dumpmen; Warehousemen

and Dockmen; Truck Drivers hauling warning lights, barricades, and portable toilets on the job site

Group 2 - Dispatcher; Dump Crets and Adgetators 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; Winch Trucks, 2 Axles

Group 3 - Dump Crets and Adgetators, 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers 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, one-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long;
Slurry Trucks, one-man operation; Winch Trucks, 3 axles or more; Mechanic - *Truck Welder and *Truck Painter*These classifications shall only apply in areas where and when it has been a past area practice; Asphalt Plant Operators in areas where it has been past practice

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

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* TEAM0301-001 06/01/2008

LAKE AND MCHENRY COUNTIES

	Rates	Fringes
TRUCK DRIVER		
2-3 AXLES	$ 32.20	.15+a
4 AXLES	$ 32.35	.15+a
5 AXLES	$ 32.50	.15+a
6 AXLES	$ 32.75	.15+a

FOOTNOTE: a. $448.00 per week

An additional $.20 per axle shall be paid for all vehicles with more than six (6) axles.

Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

900 straight time hours or more in 1 calendar year for the same employer shall receive 1 week paid vacation; 3 years - 2 weeks paid vacation; 10 years - 3 weeks paid vacation; 20 years - 4 weeks paid vacation.

CLASSIFICATIONS:

Group 1 - Frame Truck when used for transportation purposes; Air Compressor and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances;

Articulated Dumps; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry Alls; Forl Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors, two-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Pothole Repair Trucks; Power Mower Tractors; Quick Change Barrier; Self-Propelled Chip Spreader; Shipping and Receiving Clerks and Checkers; Skipman; Slurry Trucks, two-man operation; Slurry Trucks, Conveyor Operated - 2 or 3 man operation; Teamsters; Unskilled Dumpmen; Warehousemen and Dockmen; Truck Drivers hauling warning lights, barricades, and portable toilets on the job site

Group 2 - Dispatcher; Dump Crets and Adgetators 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; Winch Trucks, 2 Axles

Group 3 - Dump Crets and Adgetators, 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers 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, one-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long;
Slurry Trucks, one-man operation; Winch Trucks, 3 axles or more; Mechanic - *Truck Welder and *Truck Painter*These classifications shall only apply in areas where and when it has been a past area practice; Asphalt Plant Operators in areas where it has been past practice

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

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* TEAM0325-004 06/01/2009

BOONE and WINNEBAGO COUNTIES

	Rates	Fringes
TRUCK DRIVER		
2 - 3 Axles	$ 31.86	14.07
4 Axles	$ 32.01	14.07
5 Axles	$ 32.21	14.07
6 Axles	$ 32.32	14.07

FOOTNOTE: An additional $.20 per axle shall be paid for all vehicles with more than six (6) axles.

CLASSIFICATIONS:

Group 1 - Frame Truck when used for transportation purposes; Air Compressor and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Forl

Lifts and Hoisters; Helpers;
Mechanics Helpers and Greasers; Oil Distributors, two-man operation; Pavement Breakers
Pole Trailer, up to 40 feet; Power Mower Tractors; Skipman; Slurry Trucks, two-man operation; Teamsters; Truck Drivers hauling warning lights, barricades, and portable toilets on the job site

Group 2 - Dump Crets and Adgetators 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; Winch Trucks, 2 Axles

Group 3 - Dump Crets and Adgetators, 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers 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, one-man operation
Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long, additional $0.50 per hour; Slurry Trucks, one-man operation; Winch Trucks, 3 axles or more
*Mechanic*Truck Welder and Truck Painter; *Winter Rate: Between Dec. 15 and Feb. 28 the mechanic and welder rate shall be $2.00 less than the scheduled scale. Truck Painter and Truck Welder classifications shall only apply in areas where and when it has been a past area practice;
Dual-purpose vehicels, such as mounted crane tucks with hoist and accessories

Group 4 - Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front

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* TEAM0330-004 06/01/2010

DEKALB and OGLE (North of Route 72/East of Route 251, Adeline, Byron, Creston, Dement, Forreston North of Route 72, Leaf River North of Route 72, Lynnville, Monroe, Rochelle, & Scott) COUNTIES

	Rates	Fringes
TRUCK DRIVER		
2-3 AXLES	$ 33.95	.15+a
4 AXLES	$ 34.10	.15+a
5 AXLES	$ 34.30	.15+a
6 AXLES	$ 34.50	.15+a

FOOTNOTE: a. $514.00 per week

An additional $.20 per axle shall be paid for all vehicles with more than six (6) axles.

Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

900 straight time hours or more in 1 calendar year for the same employer shall receive 1 week paid vacation; 3 years - 2 weeks paid vacation; 10 years - 3 weeks paid vacation; 20 years - 4 weeks paid vacation.

CLASSIFICATIONS:

Group 1 - Frame Truck when used for transportation purposes; Air Compressor and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Articulated Dumps; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry Alls; Forl Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors, two-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Pothole Repair Trucks; Power Mower Tractors; Quick Change Barrier; Self-Propelled Chip Spreader; Shipping and Receiving Clerks and Checkers; Skipman; Slurry Trucks, two-man operation; Slurry Trucks, Conveyor Operated - 2 or 3 man operation; Teamsters; Unskilled Dumpmen; Warehousemen and Dockmen; Truck Drivers hauling warning lights, barricades, and portable toilets on the job site

Group 2 - Dispatcher; Dump Crets and Adgetators 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; Winch Trucks, 2 Axles

Group 3 - Dump Crets and Adgetators, 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers 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, one-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long;
Slurry Trucks, one-man operation; Winch Trucks, 3 axles or more; Mechanic - *Truck Welder and *Truck Painter*These classifications shall only apply in areas where and when it has been a past area practice; Asphalt Plant Operators in areas where it has been past practice

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

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TEAM0371-004 05/01/2010

HENRY and ROCK ISLAND COUNTIES

	Rates	Fringes
TRUCK DRIVER		
Group 1	$ 29.60	9.90+a
Group 2	$ 30.02	9.90+a
Group 3	$ 30.23	9.90+a

Group 4	$ 30.49	9.90+a
Group 5	$ 31.28	9.90+a

FOOTNOTE: a. $36.00 per day

CLASSIFICATIONS:

GROUP 1: Drivers on 2 axles hauling less than 9 tons; air compressor & welding machines and brooms, including those pulled by separate units; Truck Driver Helper, warehouse employees; Mechanic Helpers; greasers and tiremen; pick-up trucks when hauling material, tools, or workers to and from and on the job site; and forklifts up to 6,000 lb capacity.

GROUP 2: 2 or 3 axles hualing more than 9 tons but hauling less than 16 tons; A-frame winch trucks; hydrolift trucks; Vactor Trucks or similar equipment when used for transportation purposes; Forklift over 6,000 lb.capacity; winch trucks; and four axle combiation units.

GROUP 3: 2, 3 or 4 Axles hauling 16 tons or more; 5-Axles or more combination units; drivers on water pulls; articulated dump trucks; mechanics and working forepersons.

GROUP 4: Low Boy and Oil Distributors.

GROUP 5: Drivers who require special protective clothing while employed on hazardous waste work.

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* TEAM0673-003 06/01/2008

DU PAGE and KANE COUNTIES

	Rates	Fringes
TRUCK DRIVER		
2-3 AXLES	$ 32.55	.15+a
4 AXLES	$ 32.70	.15+a
5 AXLES	$ 32.90	.15+a
6 AXLES	$ 33.10	.15+a

FOOTNOTE: a. $434.00 per week.

An additional $.20 per axle shall be paid for all vehicles with more than six (6) axles.

Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

900 straight time hours or more in 1 calendar year for the same employer shall receive 1 week paid vacation; 3 years - 2 weeks paid vacation; 10 years - 3 weeks paid vacation; 20 years - 4 weeks paid vacation.

CLASSIFICATIONS:

Group 1 - Frame Truck when used for transportation purposes; Air Compressor and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Articulated Dumps; Batch Gate Lockers; Batch Hopperman; Car

and Truck Washers; Carry Alls; Forl Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors, two-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Pothole Repair Trucks; Power Mower Tractors; Quick Change Barrier; Self-Propelled Chip Spreader; Shipping and Receiving Clerks and Checkers; Skipman; Slurry Trucks, two-man operation; Slurry Trucks, Conveyor Operated - 2 or 3 man operation; Teamsters; Unskilled Dumpmen; Warehousemen and Dockmen; Truck Drivers hauling warning lights, barricades, and portable toilets on the job site

Group 2 - Dispatcher; Dump Crets and Adgetators 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; Winch Trucks, 2 Axles

Group 3 - Dump Crets and Adgetators, 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or Turnatrailers 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, one-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long;
Slurry Trucks, one-man operation; Winch Trucks, 3 axles or more; Mechanic - *Truck Welder and *Truck Painter*These classifications shall only apply in areas where and when it has been a past area practice; Asphalt Plant Operators in areas where it has been past practice

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

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* TEAM0731-001 06/01/2011

COOK COUNTY - HEAVY AND HIGHWAY

	Rates	Fringes
TRUCK DRIVER		
2 or 3 Axles	$ 33.85	16.85
4 Axles	$ 34.10	16.85
5 Axles	$ 34.30	16.85
6 Axles	$ 34.50	16.85

FOOTNOTES:

A. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

B. 900 straight time hours or more in 1 calendar year for the same employer shall receive 1 week paid vacation; 3 years - 2 weeks paid vacation; 10 years - 3 weeks paid vacation; 20 years - 4 weeks paid vacation.

C. An additional $.20 per axle shall be paid for all vehicles with more than six (6) axles.

TEAM0786-001 06/01/2008

COOK COUNTY - BUILDING AND RESIDENTIAL

	Rates	Fringes
TRUCK DRIVER		
2 & 3 Axles	$ 31.33	.10+a
4 Axles	$ 31.58	.10+a
5 Axles	$ 31.78	.10+a
6 Axles	$ 31.98	.10+a

FOOTNOTES:

a. $463.00 per week.

An additional $.20 per axle shall be paid for all vehicles with more than six (6) axles.

Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day.

900 straight time hours or more in 1 calendar year for the same employer shall receive 1 week paid vacation; 3 years - 2 weeks paid vacation; 10 years - 3 weeks paid vacation; 20 years - 4 weeks paid vacation.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

In the listing above, the "SU" designation means that rates listed under the identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter

* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

SPECIAL PROVISION
FOR
REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS

i) General

ii) Nondiscrimination

iii) Nonsegregated Facilities

iv) Payment of Predetermined Minimum Wage

v) Statements and Payrolls

vi) Record of Materials, Supplies, and Labor

vii) Subletting or Assigning the Contract

viii) Safety: Accident Prevention

ix) False Statements Concerning Highway Projects

x) Implementation of Clean Air Act and Federal Water Pollution Control Act

xi) Certification Regarding Debarment, Suspension Ineligibility, and Voluntary Exclusion

xii) Certification Regarding Use of Contract Funds for Lobbying

I. GENERAL

1) These contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

2) Except as otherwise provided for in each section, the contractor shall insert in each subcontract all of the stipulations contained in these Required Contract Provisions, and further require their inclusion in any lower tier subcontract or purchase order that may in turn be made. The Required Contract Provisions shall not be incorporated by reference in any case. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with these Required Contract Provisions.

3) A breach of any of the stipulations contained in these Required Contract Provisions shall be sufficient grounds for termination of the contract.

4) A breach of the following clauses of the Required Contract Provisions may also be grounds for debarment as provided in 29 CFR 5.12:

Section I, paragraph 2;

Section IV, paragraphs 1, 2, 3, 4, and 7;

Section V, paragraphs 1 and 2a through 2g.

5) Disputes arising out of the labor standards provisions of Section IV (except paragraph 5) and Section V of these Required Contract Provisions shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the U.S. Department of Labor (DOL) as set forth in 29 CFR 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the DOL, or the contractor's employees or their representatives.

6) Selection of Labor. During the performance of this contract, the contractor shall not:

   a) discriminate against labor from any other State, possession, or territory of the United States (except for employment preference for Appalachian contracts, when applicable, as specified in Attachment A), or

   b) employ convict labor for any purpose within the limits of the project unless it is labor performed by convicts who are on parole, supervised release, or probation.

II. NONDISCRIMINATION

(Applicable to all Federal-aid construction contracts and to all related subcontracts of $10,000 or more.)

1) Equal Employment Opportunity. Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630 and 41 CFR 60) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The Equal Opportunity Construction Contract Specifications set forth under 41 CFR 60-4.3 and the provisions of the American Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

   a) The contractor will work with the State highway agency (SHA) and the Federal Government in carrying out EEO obligations and in their review of his/her activities under the contract.

   b) The contractor will accept as his operating policy the following statement:

      "It is the policy of this Company to assure 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."

2) EEO Officer. The contractor will designate and make known to the SHA contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active contractor program of EEO and who must be assigned adequate authority and responsibility to do so.

3) Dissemination of Policy. All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

   a) 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.

   b) 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 days following their reporting for duty with the contractor.

   c) 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 group employees.

   d) 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.

   e) 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.

4) Recruitment. When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minority groups in the area from which the project work force would normally be derived.

   a) 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 group applicants. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority group applicants may be referred to the contractor for employment consideration.

   b) In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, 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. (The DOL has held that where implementations of such agreements have the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Executive Order 11246, as amended.)

c) The contractor will encourage his present employees to refer minority group applicants for employment. Information and procedures with regard to referring minority group applicants will be discussed with employees.

5) 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 termination, shall 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 his 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 his avenues of appeal.

6) Training and Promotion:

a) The contractor will assist in locating, qualifying, and increasing the skills of minority group and women 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. Where feasible, 25 percent of apprentices or trainees in each occupation shall be in their first year of apprenticeship or training. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision.

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 group and women employees and will encourage eligible employees to apply for such training and promotion.

7) Unions. If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use his/her best efforts to obtain the cooperation of such unions to increase opportunities for minority groups and women within the unions, and to effect referrals by such unions of minority and

female employees. Actions by the contractor either directly or through a contractor's association acting as agent will include the procedures set forth below:

a) The contractor will use best efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minority group members and women for membership in the unions and increasing the skills of minority group employees and women so that they may qualify for higher paying employment.

b) The contractor will use best efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

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

d) In the event the union is unable to provide the contractor with a reasonable flow of minority and women 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 minority group persons and women. (The DOL 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 minority employees.) In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the SHA.

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 obligations under this contract.

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

c) The contractor will use his 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 years following completion of the contract work and shall be available at reasonable times and places for inspection by authorized representatives of the SHA and the FHWA.

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

(1) The number of minority and non-minority group members and women 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 women;

(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 contractors will submit an annual report to the SHA each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on Form FHWA-1391. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data.

III. NONSEGREGATED FACILITIES

(Applicable to all Federal-aid construction contracts and to all related subcontracts of $10,000 or more.)

a) By submission of this bid, the execution of this contract or subcontract, or the consummation of this material supply agreement or purchase order, as appropriate, the bidder, Federal-aid construction contractor, subcontractor, material supplier, or vendor, as appropriate, certifies that the firm does not maintain or provide for its employees any segregated facilities at any of its establishments, and that the firm does not permit its employees to perform their services at any location, under its control, where segregated facilities are maintained. The firm agrees that a breach of this certification is a violation of the EEO provisions of this contract. The firm further certifies that no employee will be denied access to adequate facilities on the basis of sex or disability.

b) As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, timeclocks, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive, or are, in fact, segregated on the basis of race, color, religion, national origin, age or disability, because of habit, local custom, or otherwise. The only exception will be for the disabled when the demands for accessibility override (e.g. disabled parking).

c) The contractor agrees that it has obtained or will obtain identical certification from proposed subcontractors or material suppliers prior to award of subcontracts or consummation of material supply agreements of $10,000 or more and that it will retain such certifications in its files.

IV. PAYMENT OF PREDETERMINED MINIMUM WAGE

(Applicable to all Federal-aid construction contracts exceeding $2,000 and to all related subcontracts, except for projects located on roadways classified as local roads or rural minor collectors, which are exempt.)

1) General:

   a) All mechanics and laborers employed or working upon the site of the work will be paid unconditionally and not less often than once a week and without subsequent deduction or rebate on any account [except such payroll deductions as are permitted by regulations (29 CFR 3) issued by the Secretary of Labor under the Copeland Act (40 U.S.C. 276c)] the full amounts of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment. The payment shall be computed at wage rates not less than those contained in the wage determination of the Secretary of Labor (hereinafter "the wage determination") which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor or its subcontractors and such laborers and mechanics. The wage determination (including any additional classifications and wage rates conformed under paragraph 2 of this Section IV and the DOL poster (WH-1321) or Form FHWA-1495) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers. For the purpose of this Section, contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act (40 U.S.C. 276a) on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of Section IV, paragraph 3b, hereof. Also, for the purpose of this Section, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs, which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in paragraphs 4 and 5 of this Section IV.

   b) Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein, provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed.

   c) All rulings and interpretations of the Davis-Bacon Act and related acts contained in 29 CFR 1, 3, and 5 are herein incorporated by reference in this contract.

2) Classification:

   a) The SHA contracting officer shall require that any class of laborers or mechanics employed under the contract, which is not listed in the wage determination, shall be classified in conformance with the wage determination.

b) The contracting officer shall approve an additional classification, wage rate and fringe benefits only when the following criteria have been met:

(1) the work to be performed by the additional classification requested is not performed by a classification in the wage determination;

(2) the additional classification is utilized in the area by the construction industry;

(3) the proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination; and

(4) with respect to helpers, when such a classification prevails in the area in which the work is performed.

c) If the contractor or subcontractors, as appropriate, the laborers and mechanics (if known) to be employed in the additional classification or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the DOL, Administrator of the Wage and Hour Division, Employment Standards Administration, Washington, D.C. 20210. The Wage and Hour Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

d) In the event the contractor or subcontractors, as appropriate, the laborers or mechanics to be employed in the additional classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. Said Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary

e) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraph 2c or 2d of this Section IV shall be paid to all workers performing work in the additional classification from the first day on which work is performed in the classification.

3) Payment of Fringe Benefits:

a) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor or subcontractors, as appropriate, shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly case equivalent thereof.

b) If the contractor or subcontractor, as appropriate, does not make payments to a trustee or other third person, he/she may consider as a part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, provided, that the Secretary of Labor has found, upon the written request of the contractor, that the

applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

4) Apprentices and Trainees (Programs of the U.S. DOL) and Helpers:

a) Apprentices:

(1) Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the DOL, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a State apprenticeship agency recognized by the Bureau, or if a person is employed in his/her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Bureau of Apprenticeship and Training or a State apprenticeship agency (where appropriate) to be eligible for probationary employment as an apprentice.

(2) The allowable ratio of apprentices to journeyman-level employees on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any employee listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate listed in the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor or subcontractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman-level hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

(3) Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeyman-level hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator for the Wage and Hour Division determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

(4) In the event the Bureau of Apprenticeship and Training, or a State apprenticeship agency recognized by the Bureau, withdraws approval of an apprenticeship program, the contractor or subcontractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the comparable work performed by regular employees until an acceptable program is approved.

b) Trainees:

(1) Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the DOL, Employment and Training Administration.

(2) The ratio of trainees to journeyman-level employees on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

(3) Every trainee must be paid at not less than the rate specified in the approved program for his/her level of progress, expressed as a percentage of the journeyman-level hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman-level wage rate on the wage determination which provides for less than full fringe benefits for apprentices, in which case such trainees shall receive the same fringe benefits as apprentices.

(4) In the event the Employment and Training Administration withdraws approval of a training program, the contractor or subcontractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c) Helpers:

Helpers will be permitted to work on a project if the helper classification is specified and defined on the applicable wage determination or is approved pursuant to the conformance procedure set forth in Section IV.2. Any worker listed on a payroll at a helper wage rate, who is not a helper under an approved definition, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed.

5) Apprentices and Trainees (Programs of the U.S. DOT):

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

6) Withholding:

The SHA shall upon its own action or upon written request of an authorized representative of the DOL withhold, or cause to be withheld, from the contractor or subcontractor under this contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to Davis-Bacon prevailing wage requirements which is held by the same prime contractor, as much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the SHA contracting officer may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

7) Overtime Requirements:

No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers, mechanics, watchmen, or guards (including apprentices, trainees, and helpers described in paragraphs 4 and 5 above) shall require or permit any laborer, mechanic, watchman, or guard in any workweek in which he/she is employed on such work, to work in excess of 40 hours in such workweek unless such laborer, mechanic, watchman, or guard receives compensation at a rate not less than one-and-one-half times his/her basic rate of pay for all hours worked in excess of 40 hours in such workweek.

8) Violation:

Liability for Unpaid Wages; Liquidated Damages: In the event of any violation of the clause set forth in paragraph 7 above, the contractor and any subcontractor responsible thereof shall be liable to the affected employee for his/her unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory) for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer, mechanic, watchman, or guard employed in violation of the clause set forth in paragraph 7, in the sum of $10 for each calendar day on which such employee was required or permitted to work in excess of the standard work week of 40 hours without payment of the overtime wages required by the clause set forth in paragraph 7.

9) Withholding for Unpaid Wages and Liquidated Damages:

The SHA shall upon its own action or upon written request of any authorized representative of the DOL withhold, or cause to be withheld, from any monies payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be

necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph 8 above.

V. STATEMENTS AND PAYROLLS

(Applicable to all Federal-aid construction contracts exceeding $2,000 and to all related subcontracts, except for projects located on roadways classified as local roads or rural collectors, which are exempt.)

1) Compliance with Copeland Regulations (29 CFR 3):

   The contractor shall comply with the Copeland Regulations of the Secretary of Labor which are herein incorporated by reference.

2) Payrolls and Payroll Records:

   a) Payrolls and basic records relating thereto shall be maintained by the contractor and each subcontractor during the course of the work and preserved for a period of 3 years from the date of completion of the contract for all laborers, mechanics, apprentices, trainees, watchmen, helpers, and guards working at the site of the work.

   b) The payroll records shall contain the name, social security number, and address of each such employee; his or her correct classification; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalent thereof the types described in Section 1(b) (2) (B) of the Davis Bacon Act); daily and weekly number of hours worked; deductions made; and actual wages paid. In addition, for Appalachian contracts, the payroll records shall contain a notation indicating whether the employee does, or does not, normally reside in the labor area as defined in Attachment A, paragraph 1. Whenever the Secretary of Labor, pursuant to Section IV, paragraph 3b, has found that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in Section 1(b)(2)(B) of the Davis Bacon Act, the contractor and each subcontractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, that the plan or program has been communicated in writing to the laborers or mechanics affected, and show the cost anticipated or the actual cost incurred in providing benefits. Contractors or subcontractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprentices and trainees, and ratios and wage rates prescribed in the applicable programs.

   c) Each contractor and subcontractor shall furnish, each week in which any contract work is performed, to the SHA resident engineer a payroll of wages paid each of its employees (including apprentices, trainees, and helpers, described in Section IV, paragraphs 4 and 5, and watchmen and guards engaged on work during the preceding weekly payroll period). The payroll submitted shall set out accurately and completely all of the information required to be maintained under paragraph 2b of this Section V. This information may be submitted in any form desired. Optional Form WH-347 is available for this purpose and may be purchased from the Superintendent of Documents (Federal stock number 029-005-0014-1), U.S. Government Printing Office, Washington, D.C. 20402. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors.

d) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his/her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) that the payroll for the payroll period contains the information required to be maintained under paragraph 2b of this Section V and that such information is correct and complete;

(2) that such laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in the Regulations, 29 CFR 3;

(3) that each laborer or mechanic has been paid not less that the applicable wage rate and fringe benefits or cash equivalent for the classification of worked performed, as specified in the applicable wage determination incorporated into the contract.

e) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 2d of this Section V.

f) The falsification of any of the above certifications may subject the contractor to civil or criminal prosecution under 18 U.S.C. 1001 and 31 U.S.C. 231.

g) The contractor or subcontractor shall make the records required under paragraph 2b of this Section V available for inspection, copying, or transcription by authorized representatives of the SHA, the FHWA, or the DOL, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the SHA, the FHWA, the DOL, or all may, after written notice to the contractor, sponsor, applicant, or owner, take such actions as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

VI. RECORD OF MATERIALS, SUPPLIES, AND LABOR

1) On all Federal-aid contracts on the National Highway System, except those which provide solely for the installation of protective devices at railroad grade crossings, those which are constructed on a force account or direct labor basis, highway beautification contracts, and contracts for which the total final construction cost for roadway and bridge is less than $1,000,000 (23 CFR 635) the contractor shall:

a) Become familiar with the list of specific materials and supplies contained in Form FHWA-47, "Statement of Materials and Labor Used by Contractor of Highway Construction Involving Federal Funds," prior to the commencement of work under this contract.

b) Maintain a record of the total cost of all materials and supplies purchased for and incorporated in the work, and also of the quantities of those specific materials and supplies listed on Form FHWA-47, and in the units shown on Form FHWA-47.

c) Furnish, upon the completion of the contract, to the SHA resident engineer on Form FHWA-47 together with the data required in paragraph 1b relative to materials and supplies, a final labor summary of all contract work indicating the total hours worked and the total amount earned.

2) At the prime contractor's option, either a single report covering all contract work or separate reports for the contractor and for each subcontract shall be submitted.

VII. SUBLETTING OR ASSIGNING THE CONTRACT

1) The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the State. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635).

   a) "Its own organization" shall be construed to include only workers employed and paid directly by the prime contractor and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor, assignee, or agent of the prime contractor.

   b) "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid on the contract as a whole and in general are to be limited to minor components of the overall contract.

2) The contract amount upon which the requirements set forth in paragraph 1 of Section VII is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3) The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the SHA contracting officer determines is necessary to assure the performance of the contract.

4) No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the SHA contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the SHA has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

VIII. SAFETY: ACCIDENT PREVENTION

1) In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the SHA contracting officer may determine, to be reasonably necessary to protect the

life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

2) It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 333).

3) Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 333).

IX. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, the following notice shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

NOTICE TO ALL PERSONNEL ENGAGED ON FEDERAL-AID HIGHWAY PROJECTS

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined not more that $10,000 or imprisoned not more than 5 years or both."

X. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

(Applicable to all Federal-aid construction contracts and to all related subcontracts of $100,000 or more.)

By submission of this bid or the execution of this contract, or subcontract, as appropriate, the bidder, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1) That any facility that is or will be utilized in the performance of this contract, unless such contract is exempt under the Clean Air Act, as amended (42 U.S.C. 1857 et seq., as amended by Pub.L. 91-604), and under the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et seq., as amended by Pub.L. 92-500), Executive Order 11738, and regulations in implementation thereof (40 CFR 15) is not listed, on the date of contract award, on the U.S. Environmental Protection Agency (EPA) List of Violating Facilities pursuant to 40 CFR 15.20.

2) That the firm agrees to comply and remain in compliance with all the requirements of Section 114 of the Clean Air Act and Section 308 of the Federal Water Pollution Control Act and all regulations and guidelines listed thereunder.

3) That the firm shall promptly notify the SHA of the receipt of any communication from the Director, Office of Federal Activities, and EPA, indicating that a facility that is or will be utilized for the contract is under consideration to be listed on the EPA List of Violating Facilities.

4) That the firm agrees to include or cause to be included the requirements of paragraph 1 through 4 of this Section X in every nonexempt subcontract, and further agrees to take such action as the government may direct as a means of enforcing such requirements.

XI. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

1) Instructions for Certification - Primary Covered Transactions:

(Applicable to all Federal-aid contracts - 49 CFR 29)

a) By signing and submitting this proposal, the prospective primary participant is providing the certification set out below.

b) The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective primary participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

c) The certification in this clause is a material representation of fact upon which reliance was placed when the department or agency determined to enter into this transaction. If it is later determined

that the prospective primary participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause of default.

d) The prospective primary participant shall provide immediate written notice to the department or agency to which this proposal is submitted if any time the prospective primary participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e) The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the department or agency to which this proposal is submitted for assistance in obtaining a copy of those regulations.

f) The prospective primary participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

g) The prospective primary participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

h) A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the nonprocurement portion of the "Lists of Parties Excluded from Federal Procurement or Nonprocurement Programs" (Nonprocurement List) which is compiled by the General Services Administration.

i) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j) Except for transactions authorized under paragraph f of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

* * * * *

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Primary Covered Transactions

1) The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:

   a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;

   b) Have not within a 3-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

   c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph 1b of this certification; and

   d) Have not within a 3-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

* * * * *

Instructions for Certification - Lower Tier Covered Transactions:

(Applicable to all subcontracts, purchase orders and other lower tier transactions of $25,000 or more - 49 CFR 29)

a) By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b) The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

c) The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d) The terms "covered transaction," "debarred," "suspended," "ineligible," "primary covered transaction," "participant," "person," "principal," "proposal," and "voluntarily excluded," as used in

this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.

e) The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

f) The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

g) A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List.

h) Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i) Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

* * * * *

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Covered Transactions:

1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

* * * * *

II. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

(Applicable to all Federal-aid construction contracts and to all related subcontracts which exceed $100,000 - 49 CFR 20)

1) The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

   a) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

   b) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2) This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

3) The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed $100,000 and that all such recipients shall certify and disclose accordingly.

FEDERAL AID PROPOSAL NOTICE

NOTICE TO PROSPECTIVE FEDERAL-AID CONSTRUCTION CONTRACTORS

I. CERTIFICATION OF NONSEGREGATED FACILITIES

   a) A Certification of Nonsegregated Facilities, as required by the may 9, 1967, Order of the Secretary of Labor (32 F. R. 7439. May 19, 1967) on Elimination of Segregated Facilities (is included in the proposal and must be submitted prior to the award of a Federal-aid highway construction contract exceeding $10,000 which is not exempt from the provisions of the Equal Opportunity clause.)

   b) Bidders are cautioned as follows: By signing this bid, the bidder will be deemed to have signed and agreed to the provisions of the "Certification of Nonsegregated Facilities" in this proposal. This certification provides that the bidder does not maintain or provide for his employee facilities which are segregated on a basis of race, creed, color, or national origin, whether such facilities are segregated by directive or on a de facto basis. The certification also provides that the bidder will not maintain such segregated facilities.

c) Bidders receiving Federal-aid highway construction contract awards exceeding $10,000 which are not exempt from the provisions of the Equal Opportunity clause, will be required to provide for the forwarding of the following notice to prospective subcontractors for construction contracts and material suppliers where the subcontracts or material supply agreements exceed $10,000 and are not exempt from the provisions of the Equal Opportunity clause.

"NOTICE TO PROSPECTIVE SUBCONTRACTORS AND MATERIAL SUPPLIERS OF REQUIREMENT FOR CERTIFICATION OF NONSEGREGATED FACILITIES

a) A Certification of Nonsegregated Facilities as required by the May 9, 1967, Order of the Secretary of Labor (32 F. R. 7439, May 19, 1967) on Elimination of Segregated Facilities, which is included in the proposal, or attached hereto, must be submitted by each subcontractor and material supplier prior to the award of the subcontract or consummation of material supply agreement if such subcontract or agreement exceeds $10,000 and is not exempt from the provisions of the Equal Opportunity clause.

b) Sub contractors and material suppliers are cautioned as follows: by signing the subcontract or entering into a material supply agreement, the subcontractor or material supplier will be doomed to have signed and agreed to the provisions of the "Certification of Nonsegregated Facilities" In the subcontract or material supply agreement. This certification provides that the subcontractor or material supplier does not maintain or provide for his employees facilities which are segregated on the basis of race, creed, color, or national origin, whether such facilities are segregated by directive or on a de facto basis. The certification also provides that the subcontractor or material supplier will not maintain such segregated facilities.

c) Subcontractors and material suppliers receiving subcontract awards or material supply agreements exceeding $10,000 which are not exempt from the provisions of the Equal Opportunity clause will be required to provide for the forwarding of this notice to prospective subcontractors for construction contracts and material suppliers where the subcontracts or material supply agreements exceed $10,000 and are not exempt from the provisions of the Equal Opportunity clause."

II. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

a) By signing this bid, the bidder will be deemed to have stipulated as follows:

1) That any facility to be utilized in the performance of this contract, unless such contract is exempt under the Clean Air Act, as amended (42 U.S.C. 1857 et seq., as amended by Pub. L. 91-404), (33 U.S.C. 1251 et seq., as amended by Pub. L. 92-500, Executive Order 11738, and regulations in implementation thereof (40 C.F.R., Part 15), is not listed on the U.S. Environmental Protection Agency (EPA) List of Violating Facilities pursuant to 40 C.F.A. 15.20.

2) That the State highway department shall be promptly notified prior to contract award of the receipt by the bidder of any communication from the Director, Office of Federal Activities, EPA, indicating that a facility to be utilized for the contract is under consideration to be listed on the EPA List of Violating Facilities.

State of Illinois
Department of Transportation

SPECIAL PROVISION
FOR
ADDITIONAL STATE REQUIREMENTS
FOR FEDERAL-AID CONSTRUCTION CONTRACTS

Effective: February 1, 1969
Revised: January 1, 2007

The following provisions are State of Illinois requirements and are in addition to the Federal requirements contained in FHWA-1273, "Required Contract Provisions Federal-Aid Construction Contracts".

"EQUAL EMPLOYMENT OPPORTUNITY"

In the event of the Contractor's noncompliance with the provisions of this Equal Employment Opportunity Clause, the Illinois Human Rights Act, or the Illinois Department of Human Rights Rules and Regulations, the Contractor may be declared ineligible for future Contracts or subcontracts with the State of Illinois or any of its political sub-divisions or municipal corporations, and the contract may be cancelled or voided in whole or in part, and such other sanctions or penalties may be imposed or remedies invoked as provided by statute or regulation.

During the performance of this contract, the Contractor agrees as follows:

1) That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, marital status, national origin or ancestry, age, physical or mental handicap unrelated to ability, or an unfavorable discharge from military service; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.

2) That, if it hires additional employees in order to perform this contract or any portion hereof, it will determine the availability (according to the Department's Rules and Regulations) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

3) That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, martial status, national origin or ancestry, age, physical or mental handicap unrelated to ability, or an unfavorable discharge from military service.

4) That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

"STATEMENTS AND PAYROLLS"

The payroll records shall include each worker's name, address, telephone number, social security number, classification, rate of pay, number of hours worked each day, starting and ending times of work each day, total hours worked each week, itemized deductions made, and actual wages paid.

The Contractor and each subcontractor shall submit payroll records to the Engineer each week from the start to the completion of their respective work. The submittals shall be on the Department's form SBE 48, or an approved facsimile. When there has been no activity during a work week, a payroll record shall still be submitted with the appropriate box ("No Work", "Suspended", or "Complete") checked on the form."

"SUBLETTING OR ASSIGNING THE CONTRACT

The requirements of Section VII of FHWA-1273 are hereby made applicable to Secondary Road Plan Projects."

State of Illinois
Department of Transportation

SPECIAL PROVISION
FOR
SUBLETTING OF CONTRACTS
(FEDERAL AID CONTRACTS)

Effective: January 1, 1988
Revised: May 1, 1993

This Special Provision supersedes paragraph VII of Form FHWA 1273, Required Contract Provisions Federal-aid Construction Contracts.

The Contractor shall not sublet, sell, transfer, assign, or otherwise dispose of the contract or contracts or any portion thereof, or of his/her right, title or interest therein, without written consent of the Engineer. In case such consent is given, the Contractor will be permitted to sublet a portion thereof, but shall perform with the Contractor's own organization, work amounting to not less than 50 percent of the total contract cost, except any items designated in the contract as "specialty items" may be performed by subcontract and the cost of any such specialty items so performed by subcontract may be deducted from the total cost before computing the amount of work required to be performed by the Contractor with his/her own organization. Materials purchased or produced by the Contractor must be incorporated into the project by the Contractor's own organization if their cost is to be applied to the 50 percent requirement.

No subcontracts, or transfer of contract, shall in any case release the Contractor of his/her liability under the contract and bonds. All transactions of the Engineer will be with the Contractor. The Contractor shall have a representative on the job at all times when either contract or subcontract work is being performed.

All requests to subcontract shall contain a certification the subcontract agreement exists in writing and physically contains the required Federal and State Equal Employment Opportunity provisions and Labor compliance provisions, including the contract minimum wage requirements. The Contractor shall permit Department or Federal representatives to examine the subcontract agreements upon notice.

State of Illinois
Department of Transportation

SPECIAL PROVISION
FOR
EEO

Effective: July 21, 1978
Revised: November 18, 1980

The requirements of the following provisions written for federally-assisted construction contracts, including all goals and timetables and affirmative action steps, shall also apply to all State-funded construction contracts awarded by the Illinois Department of Transportation.

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. 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 subcontract.

Area Covered (Statewide)
Goals for Women apply nationwide.

GOAL	Goal (percent)
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 to be performed in the respective geographical areas. The goals are applicable to the Contractor's total on-site construction workforce, regardless of whether or not part of that workforce is performing work on a federal, federally-assisted or nonfederally related construction contract or subcontract.

Economic Area	Goal (percent)
083	Chicago, IL

SMSA Counties:	
1600 Chicago, IL -	19.6 IL - Cook, DuPage, Kane
Lake, McHenry, Will	

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 11246 and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the provisions and specifications set forth in its federally assisted contracts, and its efforts to meet the goals established for the geographical area where the contract resulting from this solicitation is to be performed. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, Executive Order 11246 and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3) The Illinois Department of Transportation will provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten working days of award of any construction contract and/or subcontract in excess of $10,000 at any tier for construction work under the contract resulting from this solicitation. This notification will list the name, address and telephone number of the subcontractor; employer identification number; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the contract is to be performed.

4) 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 origin);

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 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 either individual 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 a 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 compiled under 7b above.

   f) Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO

obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.

g) Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with onsite supervisory personnel such as Superintendents, General Foremen, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.

h) Disseminate the Contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the Contractor's EEO policy with other Contractors and Subcontractors with whom the Contractor does or anticipates doing business.

i) Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship of other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests 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 where 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 non-segregated 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, makes 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 the Contractor's is and failure of such a group to fulfill an 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 Contractor 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 goals 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 or 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 these specifications and of the Equal Opportunity Clause, including suspension, termination and cancellations 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 such 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 carried out to submit reports relating to the 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 trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice,

trainee, helper, or laborer), dates of changes in 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 different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., "those under the Public Works Employment Act of 1977 and applicable requirements of Section 1091."

SPECIAL PROVISION
FOR
ALTERNATE PROPOSAL

The Bidder certified that this bid and the unit prices shown on the schedule of prices are based on performing the work in accordance with "An Act Regulating the Wages of Laborers, Mechanics and other Workmen employed under contracts for Public Works" enacted by the 62nd General Assembly and approved June 26, 1941, as amended. Should said Act be declared inoperative, void or unconstitutional at any time, either before or after the awarding of the contract for this project, the bidder agrees to perform the work at a reduction of ___0_____ per cent, of the unit prices shown on the schedule of prices, it being expressly understood and agreed that the within bid shall be and remain in full force and effect, regardless of whether the said Act is declared to be inoperative, void or unconstitutional. The contract for this project is to be awarded on the bases of the unit prices shown on the schedule of prices, and the percentage reduction, if any, act out in this alternative proposal, is to receive no consideration in the award of this contract.

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

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

ORDINANCE

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

SPECIAL PROVISION
FOR
REQUIRED DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION

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

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

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

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

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

Contract Goal to Be Achieved By the Contractor. This contract includes a specific DBE utilization goal established by the Department. The goal has been included because the Department has determined that the work of this contract has subcontracting opportunities that may be suitable for performance by DBE companies. This determination is based on an assessment of the type of work, the location of the work, and the availability of DBE companies to do a part of the work. The assessment indicates that, in the absence of unlawful discrimination, and in an arena of fair and open competition, DBE companies can be expected to perform **20%** of the work. This percentage is set as the DBE participation goal for this contract. Consequently, in addition to the other award criteria established for this contract, the Department will award this contract to a bidder who makes a good faith effort to meet this goal of DBE participation in the

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

a) The bidder documents that firmly committed DBE participation has been obtained to meet the goal; or

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

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

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

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

b) The Utilization Plan shall indicate that the bidder either has obtained sufficient DBE participation commitments to meet the contract goal or has not obtained enough DBE participation commitments in spite of a good faith effort to meet the goal. The Utilization Plan shall further provide the name, telephone number, and telefax number of a responsible official of the bidder designated for purposes of notification of plan approval or disapproval under the procedures of this Special Provision.

c) The Utilization Plan shall include a DBE Participation Commitment Statement, Department form SBE 2025, for each DBE proposed for the performance of work to achieve the contract goal. The

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

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

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

(3) The price to be paid to each DBE for the identified work specifically stating the quantity, unit price, and total subcontract price for the work to be completed by the DBE. If partial pay items are to be performed by the DBE, indicate the portion of each item, a unit price where appropriate and the subcontract price amount;

(4) A commitment statement signed by the bidder and each DBE evidencing availability and intent to perform commercially useful work on the project; and

(5) If the bidder is a joint venture comprised of DBE companies and non-DBE companies, the plan must also include a clear identification of the portion of the work to be performed by the DBE partner(s).

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

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

a) DBE as the Contractor: 100 percent goal credit for that portion of the work performed by the DBE's own forces, including the cost of materials and supplies. Work that a DBE subcontracts to a non-DBE does not count toward the DBE goals.

b) DBE as a joint venture Contractor: 100 percent goal credit for that portion of the total dollar value of the contract equal to the distinct, clearly defined portion of the work performed by the DBE's own forces.

c) DBE as a subcontractor: 100 percent goal credit for the work of the subcontract performed by the DBE's own forces, including the cost of materials and supplies, excluding the purchase of materials and supplies or the lease of equipment by the DBE subcontractor from the prime Contractor or its affiliates. Work that a DBE subcontractor in turn subcontracts to a non-DBE does not count toward the DBE goal.

d) DBE as a trucker: 100 percent goal credit for trucking participation provided the DBE is responsible for the management and supervision of the entire trucking operation for which it is responsible. At least one truck owned, operated, licensed, and insured by the DBE must be used on the contact. Credit will be given for the full value of all such DBE trucks operated using DBE employed drivers. Goal credit will be limited to the value of the reasonable fee or commission received by the DBE if trucks are leased from a nonDBE company.

e) DBE as a material supplier:

(1) 60 percent goal credit for the cost of the materials or supplies purchased from a DBE regular dealer.

(2) 100 percent goal credit for the cost of materials or supplies obtained from a DBE manufacturer.

(3) 100 percent credit for the value of reasonable fees and commissions for the procurement of materials and supplies if not a regular dealer or manufacturer.

Good Faith Effort Procedures. If the bidder cannot obtain sufficient DBE commitments to meet the contract goal, the bidder must document in the Utilization Plan the good faith efforts made in the attempt to meet the goal. This means that the bidder must show that all necessary and reasonable steps were taken to achieve the contract goal. Necessary and reasonable steps are those which could reasonably be expected to obtain sufficient DBE participation. The Department will consider the quality, quantity, and intensity of the kinds of efforts that the bidder has made. Mere *pro forma* efforts are not good faith efforts; rather, the bidder is expected to have taken those efforts that would be reasonably expected of a bidder actively and aggressively trying to obtain DBE participation sufficient to meet the contract goal.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

c) The Contractor shall maintain a record of payments for work performed to the DBE participants. The records shall be made available to the Department for inspection upon request. After the performance of the final item of work or delivery of material by a DBE and final payment therefore to the DBE by the Contractor, but not later than thirty calendar days after payment has been made by the Department to the Contractor for such work or material, the Contractor shall submit a DBE Payment Agreement on Department form SBE 2115 to the Regional Engineer. If full and final payment has not been made to the DBE, the DBE Payment Agreement shall indicate whether a disagreement as to the payment required exists between the Contractor and the DBE or if the Contractor believes that the work has not been satisfactorily completed. If the Contractor does not have the full amount of work indicated in the Utilization Plan performed by the DBE companies indicated in the Plan, the Department will deduct from contract payments to the Contractor the amount of the goal not achieved as liquidated and ascertained damages.

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

e) Notwithstanding any other provision of the contract, including but not limited to Article 109.09 of the Standard Specifications, the Contractor may request administrative reconsideration of a decision to deduct the amount of the goal not achieved as liquidated damages. A request to reconsider shall be delivered to the Contract Compliance Section and shall be handled and considered in the same manner as set forth in paragraph (c) of "Good Faith Effort Procedures" of this Special Provision, except a final decision that a good faith effort was not made during contract performance to achieve the goal agreed to in the Utilization Plan shall be the final administrative decision of the Department.

ASSIST AGENCIES - NON-CONSTRUCTION OUTREACH MAILING

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 West Center Court
Schaumburg, IL 60196
847-705-4234
847-705-4203 (FAX)

ILLINOIS ROAD BUILDERS
500 Park Boulevard
Itasca, IL 60143
630-773-1220
630-773-1231 (FAX)

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

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

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

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

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

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

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

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

Mr. D. Lorenzo Padron, Director of Procurement
Latin American Chamber of Commerce
3512 West Fullerton Avenue
Chicago, IL 60647
773-252-5211
773-252-7065 (FAX)

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

Director
North River Commission/Ladcor
4745 North Kedzie
Chicago, IL 60625
773-478-0202

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

Mr. Miguel Nogueras, Executive Director
Puerto Rican Chamber of Commerce
2450 West Division
Chicago, IL 60622
773-486-1331
773-486-1340 (FAX)

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

Executive Director
Uptown Center/Hull House
4520 North Beacon
Chicago, IL 60640
773-561-3500
312-561-3507 (FAX)

Ms. Hedy Ratner, Executive Director
Women's Business Development Center
8 South Michigan - Suite 400
Chicago, IL 60604
312-853-3477
312-853-0145 (FAX)

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

SPECIAL PROVISION
FOR
INSURANCE REQUIREMENTS

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

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

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

2. CONTRACTOR'S INSURANCE

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

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

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

The Contractor shall provide and maintain the following:

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

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

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

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

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

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

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

IV. Umbrella Liability Insurance Limits shall be:

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

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

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

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

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

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

SPECIAL PROVISION
FOR
INDEMNIFICATION

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

SPECIAL PROVISION
FOR
JOINT VENTURES

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

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

2) Each request for approval of a joint venture shall be indicated by the filing of a ***Joint Venture Minimum Declaration of Work*** for each of the contracts for which joint venture approval is sought. It identifies the managing partner and indicated the kind and the percentage of work to be performed by each joint venture partner with its own workforce and resources other than work reserved to meet any disadvantage business goal advertised in the contract. The form indicated the joint venture agreement shall be available to the Department for inspection. In addition, each joint venture partner firm shall submit an ***Affidavit of Availability***. The ***Joint Venture Minimum Declaration of Work*** and all ***Affidavits of Availability*** **must be received no later than 12 noon on the cutoff date.** The proposed joint venture shall not be approved if the establishment of a joint venture would unduly restrict competition. A determination that a proposed venture would unduly restrict competition is limited to any of the following reasons:

   a) That the proposed joint venture would consist of more than three (3) prequalified contractors.

   b) That the ***Joint Venture Minimum Declaration of Work*** indicated that any one of the proposed joint ventures partners will perform less than ten percent of the non-disadvantage business work with its own workforce and resources.

   c) That for letting items estimates by the Department to be bid at less than $1,000,000.00 more than one of the proposed joint venture partners has the individual pre-qualification ratings and bid the item without the approval of the venture. This determination shall not apply to joint ventures between firms having fifty-one percent or more common controlling ownership or on items where the estimated quantity of asphalt exceeds 10,000 tons or concrete exceeds 5,000 cubic yards. Each proposed joint venture shall submit a ***Joint Venture Certificate of Explanation and Justification*** for each of the contracts estimated at less than $1,000,000.00 for which joint venture approval is sought. The form indicated the circumstances which apply to the joint venture. That is there fifty-one percent (51%) or more common controlling ownership, or does one or more parties to the joint venture not have the financial capacity, work capacity or work categories to complete the project. The ***Joint Venture Certificate of Explanation and Justification*** **must be received no later than 12 noon on the cutoff date.**

3) Contractors whose financial ratings are based upon unaudited financial statements will not be permitted to joint venture with each other to bid contracts which are estimated to exceed $350,000.00. However, such contractors may be permitted to joint venture with contractors who have a financial rating based upon an audited statement to bid contracts estimated to exceed $350,000.00.

4) If a joint venture work rating is limited by its maximum financial rating, the full value of the computed work rating will be used in analyzing the joint venture approval request. However, the combined

maximum work rating in any category shall not exceed the combined maximum financial rating of the joint venture.

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

Copies of all required Joint Venture Forms are attached.

Please note that signed and notarized originals of all required Joint Venture Forms mentioned above **must be received by 12 noon on the cut off date.** This includes ***Affidavits of Availability*** for all parties to the joint venture. These Forms should be mailed to the following address:

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

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

JOINT VENTURE FORMS

Prequalified contractors wishing to combine bidding capacity and bid items as joint ventures must submit the appropriate properly completed forms by 12 noon on the cut off date. The required joint venture forms include: (1) the ORIGINAL *Affidavit of Availability* (BC 57); (2) the ORIGINAL *Joint Venture Minimum Declaration of Work*; and (3) the ORIGINAL *Joint Venture Certificate of Explanation and Justification.*

COOK COUNTY DEPARTMENT OF HIGHWAYS
Joint Venture Certificate of Explanation & Justification

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

Firm #1

Name: _____

Address: _____

Firm #2

Name: _____

Address:- _____

Firm #3

Name: _____

Address: _____

Instructions:

Indicate the circumstances which apply to the Joint Venture.

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

Firm #1 Firm #2 Firm #3

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

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

Firm #1 Firm #2 Firm #3

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

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

Work categories not performed by the firm:

Firm #1 _____

Firm #2 _____

Firm #3 _____

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

Firm #1 Firm #2 Firm #3

has attached statement indicating the relationship of the firms.

5) Estimated quantity of asphalt for this item exceeds 10,000 tons.

6) Estimated quantity of concrete exceeds 5,000 cubic yards.

7) Estimated costs of project are less than $1,000,000.

_____

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

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

Firm #1
Name _____ Title _____
(Print)

_____
Signature (Proprietor, Partner, Officer or Director)

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

_____ My commission expires on _____
Notary Public

Firm #2
Name _____ Title _____
(Print)

_____
Signature (Proprietor, Partner, Officer or Director)

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

_____ My commission expires on _____
Notary Public

Firm #3
Name _____ Title _____
(Print)

_____
Signature (Proprietor, Partner, Officer or Director

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

_____ My commission expires on _____
Notary Public

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

COOK COUNTY DEPARTMENT OF HIGHWAYS
Joint Venture Minimum Declaration of Work

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

Firm #1

Name: _____

Address: _____

Firm #2

Name: _____

Address: _____

Firm #3

Name: _____

Address: _____

Instructions:

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

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

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

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

Firm #1

Name _____ Title _____
(Print)

_____
Signature (Proprietor, Partner, Officer or Director)

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

_____ My commission expires on _____
Notary Public

Firm #2

Name _____ Title _____
(Print)

_____
Signature (Proprietor, Partner, Officer or Director)

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

_____ My commission expires on _____
Notary Public

Firm #3

Name _____ Title _____
(Print)

_____
Signature (Proprietor, Partner, Officer or Director

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

_____ My commission expires on _____
Notary Public

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

SPECIAL PROVISION
FOR
PROPOSAL AGREEMENTS
ADDENDUM RECEIPT

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

Addendum No. 1
Dated 10/31/2011

Addendum No. 2
Dated 11/16/2011

Addendum No. 3
Dated 11/21/2011

Addendum No. _____
Dated _____

Addendum No. _____
Dated _____

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

SPECIAL PROVISION
FOR
PROMPT PAY MECHANISMS

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

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

This contract is subject to the following payment obligations:

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

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

SPECIAL PROVISION
FOR
CONTRACT CLAIMS

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

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

"All claims shall be submitted to the Engineer."

Revise subparagraph (e) of this Article to read:

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

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

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

SPECIAL PROVISION

FOR

PRE-CONSTRUCTION CONFERENCE

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

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

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

SPECIAL PROVISION
FOR
MOBILIZATION

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

671 Mobilization. Revise the Article to read:

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

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

1) When 10 percent or more of the original contract amount is earned, 1/5 of the original mobilization payment will be deducted from the current pay voucher.

2) When 20 percent or more of the original contract amount is earned, a cumulative 2/5 of the original mobilization payment will be deducted from the current pay voucher.

3) When 30 percent or more of the original contract amount is earned, a cumulative 3/5 of the original mobilization payment will be deducted from the current pay voucher.

4) When 40 percent or more of the original contract amount is earned, a cumulative 4/5 of the original mobilization payment will be deducted from the current pay voucher.

5) When 50 percent or more of the original contract amount is earned, the remaining balance of the original mobilization payment will be deducted from the current pay voucher.

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

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

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

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

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

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

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

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

09-0-36

ORDINANCE

Sponsored by

THE HONORABLE TODD H. STROGER, PRESIDENT

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

COUNTY COMMISSIONERS

Co-Sponsored by

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

JOSEPH MARIO MORENO, DEBORAH SIMS, ROBERT B. STEELE

AND LARRY SUFFREDIN, COUNTY COMMISSIONERS

COOK COUNTY GREEN CONSTRUCTION ORDINANCE

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

ARTICLE IX. GREEN CONSTRUCTION

Sec. 30-950. Board of Commissioners findings.

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

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

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

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

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

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

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

h) The United States Environmental Protection Agency has enacted requirements over the past few yeas requiring the substantial reduction of emissions from new diesel engines in both heavy duty highway vehicles and land-based non-road equipment. However, these regulations do not apply to any of the over 11 million existing diesel engines in the United States, most of which emit substantially more pollution and often remain in service for 10 to 30 years, depending on the type of engine and equipment.

i) Practical, cost-effective measures to substantially reduce diesel particulate emissions are available today, and can be applied to many existing diesel engines. The same technology that limits diesel pollution from new diesel engines can be retrofitted onto existing engines or applied in new replacement engines to reduce diesel emissions by 85% or better.

j) Therefore, the purpose of this ordinance is to minimize the public health risks from exposure to diesel particulate emissions as expeditiously as practicable.

Sec. 30-951. Definitions.

CARB means the California Air Resources Board.

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

Department means the Cook County Department of Environmental Control.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

US EPA means the United States Environmental Protection Agency.

Verified diesel emission control device means:

a) an emission control device or strategy that has been verified to achieve a specified diesel PM reduction by US EPA or CARB; or

b) replacement or repowering with an engine that is certified to specific PM emissions performance by USE PA or CARB.

Sec. 30-952. Emission reduction.

a) Immediately after the effective date of this ordinance, any solicitation for a public works contract and any contract entered into as a result of such solicitation shall include a specification that all contractors in the performance of such contract shall use Ultra Low Sulfur Diesel fuel for diesel motor vehicles, nonroad vehicles, and stationary generators used in the performance of the contract.

b) Beginning January 1, 2 014, for Prime Contractors, and beginning January 1, 2016 for Subcontractors, any solicitation for a public works contract and any contract entered into as a result of such solicitation shall include a specification that a Prime Contractor and all Subcontractors in the performance of such contract shall not operate any heavy-duty diesel vehicle in the performance of a public works contract unless that vehicle has installed Level 3 Controls and unless such controls are properly maintained and operating (as provided by regulations promulgated pursuant to this act). Except that, upon provision by the Prime Contractor or Subcontractors to the agency of appropriate and sufficient documentary evidence:

(1) Subsection (b) shall not apply to any heavy-duty diesel vehicle on the construction site working three days or less over the life of the project.

(2) Subsection (b) shall not apply to any heavy-duty diesel vehicle with respect to which the Department makes a written finding that such vehicle cannot be retrofit with Level 3 Controls, in which case such fleet owner or operator shall install Level 2 Controls that are available and appropriate for such vehicle as determined by the Department. If the Department makes a written finding that any such vehicle cannot be retrofit with Level 2 controls, said vehicle shall be retrofit with Level 1 Controls that are available and appropriate for such vehicle as determined by the Department.

(3) Any heavy-duty diesel vehicle that has operational Level 2 Controls installed prior to the effective date of this act shall have an additional one year to meet the requirements of Subsection (b).

c) Within two years after the effective date of this ordinance, any solicitation for a public works contract and any contract entered into as a result of such solicitation shall include a specification that all contractors in the performance of such contract shall not operate any diesel nonroad vehicle in the performance of a public works contract unless that vehicle has installed Level 2 Controls and unless such controls are properly maintained and operating (as provided by regulations promulgated pursuant to this act). Except that, upon provision by the contract or to the agency of appropriate and sufficient documentary evidence:

(1) Subsection (c) shall not apply to any diesel nonroad vehicle on the construction site working three days or less over the life of the project.

(2) Subsection (c) shall not apply to any diesel nonroad vehicle with respect to which the Department makes a written finding that such vehicle cannot be retrofit with Level 2 Controls, in which case such fleet owner or operator shall install Level 1 Controls that are available and appropriate for such vehicle as determined by the Department.

(3) Any diesel nonroad vehicle that has operational Level 1 Controls installed prior to the effective date of this act shall have an additional one year to meet the requirements of Subsection (c).

d) Beginning January 1, 2014, for Prime Contractors, and beginning January 1, 2016 for Subcontractors, any solicitation for a public works contract and any contract entered into as a result of such solicitation shall include a specification that a Prime Contractor and all Subcontractors in the performance of such contract shall not operate any diesel nonroad vehicle in the performance of a public works contract unless that vehicle has installed Level 3 Controls and unless such controls are properly maintained and operating (as provided by regulations promulgated pursuant to this act). Except that, upon provision by the Prime Contractor or Subcontractors to the agency of appropriate and sufficient documentary evidence:

(1) Subsection (d) shall not apply to any diesel nonroad vehicle on the construction site working three days or less over the life of the project.

(2) Subsection (d) shall not apply to any diesel nonroad vehicle with respect to which the Department makes a written finding that such vehicle cannot be retrofit with Level 3 Controls, in which case such fleet owner or operator shall install Level 2 Controls that are available and appropriate for such vehicle as determined by the Department.

(3) Any diesel nonroad vehicle that has operational Level 2 Controls installed prior to the effective date of this act shall have an additional one year to meet the requirements of Subsection (d).

Sec. 30-953. Costs.

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

Sec. 30-954. Compliance.

a) Thirty days before beginning work, the Prime Contractor shall submit to the Department for approval a list of all heavy-duty diesel vehicles, nonroad vehicles, and stationary generators to be used on the project. The list shall include the following:

(1) Prime Contractor and Subcontractor name and address, plus contact person responsible for the vehicles or equipment.

(2) Equipment type, manufacturer, engine model year, engine certification (Tier rating), ECM calibration, horsepower, plate, serial number, and expected fuel usage and/or hours of operation.

(3) For the pollution control technology installed: technology type, serial number, make, model, manufacturer, EPA/CARB verification number/level, and installation date.

b) If the Prime Contractor subsequently needs to bring on site equipment not on the list, the Prime Contractor shall submit the request in writing for prior approval. Additional equipment shall comply with all contract conditions.

c) During periods of inactivity, idling of diesel on road motor vehicles and nonroad vehicles shall be minimized and shall not exceed the time allowed under state and local laws.

d) Any public works contract shall provide for enforcement of the contract provisions required by Section 3 and penalties for noncompliance of such provisions.

Sec. 30-955. Enforcement.

a) Any solicitation for a public works contract subject to the provisions of this section and any contract entered into as a result of such solicitation shall include provisions authorizing independent monitoring and inspection of the Prime Contractor and Subcontractor's compliance with the requirements of this section and requiring that the Prime Contractor and Subcontractor comply with this section. The Prime Contractor shall be liable for a fee of $200 for the review of Prime Contractor and Subcontractor's compliance with the provisions of this section, and the County may withhold and deduct the fee from monies otherwise due the Prime Contractor.

b) All vehicles and equipment to which these requirements are applicable will be subject to random inspections to ensure full compliance with these requirements. If any equipment is found to be non-compliant, the Prime Contractor, Subcontractor or Supplier must remove or retrofit this equipment or vehicle within 24 hours or be subject to liquidated damages pursuant to subdivision (c) of this section until that piece of equipment or vehicle is removed from Project.

c) In the event of a violation of any provision of this section, except as provided, in subdivision (d) of this section, liquidated damages shall be assessed against the Prime Contractor in the amount of $5,000 for each violation (with each piece of noncomplying equipment and each day of noncompliance being a separate violation, not to exceed a total of $50,000 for any one piece of equipment). Said liquidated damages are not imposed as a penalty but as an estimate of the damages that the County will sustain from delay in completion of the work, as well as resultant damages to public health of its citizens, which damages by their nature are not capable of precise proof. The County may withhold and deduct from monies otherwise due the Prime Contractor the amount of liquidated damages due the County.

d) No Prime Contractor or Subcontractor shall make a false statement or claim with respect to any matter material to compliance with the provisions of this section to the County. Any Prime Contractor or Subcontractor making such a false statement shall pay the County up to $10,000 for each such statement as liquidated damages pursuant to the provisions of subdivision (c) of this section.

e) Fees and liquidated damages paid to the County under this section shall be placed in the Cook County Environmental Management Fund.

Sec. 30-956. Regulations.

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

Effective date: This Ordinance shall take effect upon adoption.

Approved and adopted this 19th day of May 2009.

TODD H. STROGER, President

Cook County Board of Commissioners

Attest: DAVID ORR, County Clerk.

SPECIAL PROVISION
FOR
PROCESSING OF EXTRA WORK PAYMENT REQUESTS

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

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

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

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

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

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

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

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

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

SPECIAL PROVISION
FOR
CONSTRUCTION LAYOUT STAKES AND SURVEY CONTROL POINTS

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

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

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

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

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

RESPONSIBILITY OF THE COUNTY

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

b) The County will make random checks of the Contractor's staking to determine if the work is in substantial conformance with the plans. Where the Contractor's work will tie into the work that is being or will be done by others, checks will be made to determine if the work is in conformance with the proposed overall grade and horizontal alignment.

c) The County will set all stakes for utility adjustments and for building fences along the right-of-way line by parties other than the Contractor.

d) Immediately after the Contractor has staked the drainage structures, County forces will check the staking, either visually or by instrument, to determine if the structures fit the waterways in horizontal alignment and vertical elevation. If it is necessary to redesign the drainage structure, the County will furnish a revised design and restake the structure.

e) The County will make all measurements and take all cross-sections from which the various pay items are to be measured, such as, cross-sections for all borrow pits and channel change, additional measurements needed to determine the amount of special excavation and classified excavation and all measurements on which the depth of sub-bases, bases or portland cement concrete pavement are to be verified.

f) Where the Contractor in setting construction stakes discovers discrepancies, the County will check to determine their nature and make whatever revisions are necessary in the plans, including the recross-sectioning of the area involved, and all additional restaking necessary.

g) The County will check the Contractor's horizontal layout staking of all structures over 6 meters (20 feet) in span length. The County will accept the responsibility for the accuracy of these stakes, after the County completes their check, provided they are protected by the Contractor to the extent that no displacement occurs. The County will not be responsible for transferring the lines to the work.

h) The County will accept responsibility for the accuracy of specific stakes that are covered by random instrument checks and recorded, provided no displacement occurs.

i) It is not the responsibility of the County to check the correctness of the Contractor's stakes except as provided herein; however, any errors that are apparent shall be immediately called to the Contractor's attention and he shall be required to make the necessary correction before the stakes are used for construction purposes.

j) On the jobs where the plan quantities for excavation are to be used as the final pay quantities, it will be necessary for the County to make sufficient checks to determine if the work has been completed in substantial conformance with the plan cross-sections.

k) All measurements necessary to determine the final pay item quantities must be made by the County independently of the Contractor's station stakes and any bench marks established by the Contractor.

l) If requested, the County will furnish a schedule showing the pavement profile grade elevations at intervals of 7.5 meters (25 feet) and/or provide computer services necessary to establish remote control for complex interchanges and/or structures.

RESPONSIBILITY OF THE CONTRACTOR

a) The Contractor will locate and reference the centerline of all roads and streets except interchange ramps. The centerline of private entrances and short street intersection returns need not be located or referenced by the Contractor.

b) Locating and referencing the centerline of survey will consist of locating and referencing the control points of the centerline such as PC's, PT's and as many POT's as are necessary to provide a line of sight.

c) Bench marks will be established along the project outside of construction lines and at each major structure over 6 meters (20 feet) in span length, and intervals not exceeding 300 meters (1000 feet) horizontally and 6 meters (20 feet) vertically.

d) Stakes set for A. and B. above shall be identified in the field to the Engineer and the field notes kept in the Resident Engineer's office for reference by him.

e) The Contractor will set all other stakes necessary to establish limits and elevations of the work and shall define right-of-way for the project.

f) The right-of-way shall be considered to be defined when stakes readily discernible, have been placed at points of change in width or direction of the right-of-way line and at points along the line so that at least two such right-of-way stakes can be seen from any point on the line. The Contractor should note that utility relocation may be dependent upon the proper delineation of right-of-way. Staking of the right-of-way must be accomplished at the earliest possible time.

g) The Contractor will not be required to set additional stakes to locate a utility line or to determine the property line between properties.

h) Field notes shall be kept in standard survey field note books and these books shall become the property of the Cook County Highway Department at the completion of the project.

i) It is not considered the responsibility of the Contractor to make a detailed check of the accuracy of the plans, however, it is expected that the Contractor will advise the County promptly of known errors in the plans.

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

SPECIAL PROVISION
FOR
ENGINEER'S FIELD OFFICE

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

670.01 Description. Add the following paragraph:

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

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

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

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

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

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

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

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

OFFICE :

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

Paper Clips, No. 1, Regular, Box of 100	2 Each
Paper, Quadrille Pad, 8 ½" x 11"	6 Each
Paper, Standard Canary Letter Pads, 6 Count, 8 ½" x 11 ¾"	1 Pack
Pen, Black	2 Pack
Pen, Red	1 Pack
Pencil, Lead Refill, 0.5 mm, Tube of 12	2 Each
Pencils, Disposable	2 Pack
Pencils, Color (Green)	1 Pack
Pencils, Color (Orange)	1 Pack
Pencils, Color (Red)	1 Pack
Pencils, Color (Yellow)	1 Pack
Pencils, Pentel Forte or equivalent, Automatic Pencil, 0.5 mm	3 Each
Pencils, Zebra Rubber Sharpo Mechanical Pencil or equivalent	2 Each
Post-It Memo Cubes, 3 7/8" x 3 7/8", Cube of 300 Sheets	1 Each
Post-It Notes, Yellow, 12 Count 3" x 3"	1 Pack
Rubber Bands, #16, 1 lb., 2 " x 1/16"	1 Each
Rubber Bands, #32, 1 lb., 3" x 1/8"	1 Each
Scissors, Deskwork's or equivalent	1 Each
Staple Remover, Pinch Type	1 Each
Stapler, Black Deluxe Standard	1 Each
Tape Dispenser	1 Each

Tape, Transparent Refills ¾"	6 Each
FIELD:	
Ruler, 6 ft., inch/tenth	6 Each
Tape, 100 ft, Fiberglass with Handle	1 Each
Tape, 25 ft. inch/tenth, Retractable, Lufkin or equivalent	2 Each
Wheel, Measuring English	1 Each

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

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

1. MUST be a commercial service; NOT a home service

2. MINIMUM 768 kbs Bandwidth

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

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

SPECIAL PROVISION
FOR
CONSTRUCTION DEBRIS

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

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

SPECIAL PROVISION
FOR
CLEAN CONSTRUCTION AND DEMOLITION DEBRIS

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

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

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

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

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

The Contractor's attention is directed to the Special Provision for REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES regarding the four locations noted as exceptions below.

* 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:

1. Station 207+80 to station 208+50 0 to 60 feet LT (Schoon's Auto Repair, Site 1235B-6, 20770 Torrence Avenue, Lynwood) – non-special waste. Contaminants of concern sampling parameters: PNA's and Lead.

2. Station 228+10 to Station 228+80 0 to 60 feet RT (Vacant Lot, Site 1235B-13, 20431 Torrence Avenue, Lynwood) – non-special waste. Contaminants of concern sampling parameters: BETX.

3. Station 695+10 to Station 695+75 0 to 50 feet LT (Residence, Site 1235B-24, 2698 Glenwood-Dyer Road, Lynwood) – non-special waste. Contaminants of concern sampling parameters: Dieldrin and Lead.

4. Station 218+50 to Station 219+10 0 to 60 feet RT (Kickert School Bus, Site 1235B-16, 20575 Torrence Avenue, Lynwood) – non-special waste. Contaminants of concern sampling parameters: Arsenic.

This Special Provision will modify Article 669 of the Standard Specifications as follows for those areas outside of the four locations noted above:

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

AECOM

AECOM
303 East Wacker Drive
Chicago, IL 60601
www.aecom.com

312-373-7700 Tel
312-938-1109 Fax

June 21, 2011

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

RE: Characterization of Soils from Road Improvement Project along Joe Orr Road and Torrence Avenue in Lynnwood, Illinois – AECOM Project No. 60189165

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

Dear Mr. Williams:

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

AECOM was retained to assist in the characterization of the soils at the site. The soil requiring removal from this site consists of spoils from a proposed storm water retention pond south of the re-alignment of Joe Orr Road. Also, soil from Joe Orr Road and Torrence Avenue are to be removed (approximately one foot of soil) and hauled off-site.

Previous soil characterization work was performed for the Illinois Department of Transportation (IDOT) which identified soil in the following areas that will need to be handled as non-special waste as detailed in the Special Provision:

1. Station 207+80 to station 208+50 0 to 60 feet LT (Schoon's Auto Repair, Site 1235B-6, 20770 Torrence Avenue, Lynwood) - non-special waste. Contaminants of concern sampling parameters: PNA's and Lead.

2. Station 228+10 to Station 228+80 0 to 60 feet RT (Vacant Lot, Site 1235B-13, 20431 Torrence Avenue, Lynwood) - non-special waste. Contaminants of concern sampling parameters: BETX.

3. Station 695+10 to Station 695+75 0 to 50 feet LT (Residence, Site 1235B-24, 2698 Glenwood-Dyer Road, Lynwood) - non-special waste. Contaminants of concern sampling parameters: Diedrin and Lead.

4. Station 218+50 to Station 219+10 0 to 60 feet RT (Kickert School Bus, Site 1235B-16, 20575 Torrence Avenue, Lynwood) - non-special waste. Contaminants of concern sampling parameters: Arsenic.

With regard to the areas outside of those detailed above, on November 22 and 23, 2010 AECOM collected seven soil samples from the material that is to be removed from the project site. The approximate sample locations are illustrated on the attached Figure 1. During the sample collection, AECOM used a photo-ionization detector (PID) to screen the soils. The PID is a trace gas analyzer which is calibrated to an

AECOM

isobutylene standard and has a minimum sensitivity of one part per million vapor concentration. The PID is capable of detecting volatile organic compounds with ionization potentials of 10.2 electron volts or less. In addition to the PID screening, visual and olfactory observations of the excavation and soils were also made to assist in the contamination screening. None of the recovered soil samples exhibited elevated PID readings, staining or odors.

The samples were placed in laboratory prepared containers, properly preserved and shipped under chain-of-custody control to a subcontract laboratory for analysis of the following:

- Volatile organic compounds (VOCs)
- Semi-volatile organic compounds (SVOCs)
- RCRA Metals

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

AECOM appreciates the opportunity to assist the Cook County Highway Department on this project. Should you have any questions regarding this project, please do not hesitate to contact the undersigned.

Sincerely,

Steven T. Newlin
Senior Project Geologist

Tony A. Kiefer, P.E.
Principal Engineer

Attachment: Figure 1 – Sample Location Diagram
Table 1 – Analytical Summary
Laboratory Report
IEPA Certification Form

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001;AIHA 101160; NVLAP LabCode 101202-

December 06, 2010

AECOM Environmental Group
303 East Wacker
Suite 909
Chicago, IL 60601
Telephone: (312) 373-7812
Fax: (312) 938-1109

RE: Lynwood Soil Samples, Torrence & Joe Orr Road STAT Project No 10110845

Dear Bryant Williams:

STAT Analysis received 5 samples for the referenced project on 11/23/2010 12:20:00 PM. The analytical results are presented in the following report.

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

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

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

Sincerely,

Craig Chawla
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone.This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

STAT Analysis Corporation

Date: December 06, 2010

Client: AECOM Environmental Group
Project: Lynwood Soil Samples, Torrence & Joe Orr Road
Lab Order: 10110845

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10110845-001A	SB-1		11/23/2010 9:45:00 AM	11/23/2010
10110845-001B	SB-1		11/23/2010 9:45:00 AM	11/23/2010
10110845-002A	SB-2		11/23/2010 10:10:00 AM	11/23/2010
10110845-002B	SB-2		11/23/2010 10:10:00 AM	11/23/2010
10110845-003A	SB-3		11/23/2010 10:35:00 AM	11/23/2010
10110845-003B	SB-3		11/23/2010 10:35:00 AM	11/23/2010
10110845-004A	SB-6		11/23/2010 10:50:00 AM	11/23/2010
10110845-004B	SB-6		11/23/2010 10:50:00 AM	11/23/2010
10110845-005A	SB-7		11/23/2010 11:30:00 AM	11/23/2010
10110845-005B	SB-7		11/23/2010 11:30:00 AM	11/23/2010

STAT Analysis Corporation

Date: *December 06, 2010*

CLIENT:	AECOM Environmental Group	
Project:	Lynwood Soil Samples, Torrence & Joe Orr Road	**CASE NARRATIVE**
Lab Order:	10110845	

The VOC soil LCS/LCSD analyzed 11/30/10 had the following outside control limits:
Bromomethane: 60%/65% (LCS/LCSD) recovery (QC limits 70-130%)
Methylene Chloride: 67% (LCS) recovery (QC limits 70-130%)

The PNA soil MS/MSD prepared from sample SB-1 (10110845-001) had recoveries outside control limits.

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 06, 2010
Print Date: December 06, 2010

Client:	AECOM Environmental Group	**Client Sample ID:**	SB-1
Lab Order:	10110845	**Tag Number:**	
Project:	Lynwood Soil Samples, Torrence & Joe Orr Road	**Collection Date:**	11/23/2010 9:45:00 AM
Lab ID:	10110845-001A	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW5035/8260B			Prep Date: 11/24/2010	Analyst: PS
Acetone	ND	0.077		mg/Kg-dry	1	11/30/2010
Benzene	0.0094	0.0052		mg/Kg-dry	1	11/30/2010
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	11/30/2010
Bromoform	ND	0.0052		mg/Kg-dry	1	11/30/2010
Bromomethane	ND	0.01		mg/Kg-dry	1	11/30/2010
2-Butanone	ND	0.077		mg/Kg-dry	1	11/30/2010
Carbon disulfide	ND	0.052		mg/Kg-dry	1	11/30/2010
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	11/30/2010
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	11/30/2010
Chloroethane	ND	0.01		mg/Kg-dry	1	11/30/2010
Chloroform	ND	0.0052		mg/Kg-dry	1	11/30/2010
Chloromethane	ND	0.01		mg/Kg-dry	1	11/30/2010
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	11/30/2010
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	11/30/2010
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	11/30/2010
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	11/30/2010
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	11/30/2010
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	11/30/2010
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	11/30/2010
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	11/30/2010
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	11/30/2010
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	11/30/2010
2-Hexanone	ND	0.021		mg/Kg-dry	1	11/30/2010
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	11/30/2010
Methylene chloride	ND	0.01		mg/Kg-dry	1	11/30/2010
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	11/30/2010
Styrene	ND	0.0052		mg/Kg-dry	1	11/30/2010
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	11/30/2010
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	11/30/2010
Toluene	ND	0.0052		mg/Kg-dry	1	11/30/2010
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	11/30/2010
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	11/30/2010
Trichloroethene	ND	0.0052		mg/Kg-dry	1	11/30/2010
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	11/30/2010
Xylenes, Total	ND	0.015		mg/Kg-dry	1	11/30/2010

Qualifiers:

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Report Date: December 06, 2010
Print Date: December 06, 2010

Client:	AECOM Environmental Group	**Client Sample ID:**	SB-1
Lab Order:	10110845	**Tag Number:**	
Project:	Lynwood Soil Samples, Torrence & Joe Orr Road	**Collection Date:**	11/23/2010 9:45:00 AM
Lab ID:	10110845-001B	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A			Prep Date: 11/30/2010		Analyst: LB
Mercury	ND	0.028		mg/Kg-dry	1	12/1/2010
Metals by ICP/MS	SW6020 (SW3050B)			Prep Date: 11/30/2010		Analyst: JG
Arsenic	4.4	1.3		mg/Kg-dry	10	11/30/2010
Barium	35	1.3		mg/Kg-dry	10	11/30/2010
Cadmium	ND	0.63		mg/Kg-dry	10	11/30/2010
Chromium	6.4	1.3		mg/Kg-dry	10	11/30/2010
Lead	47	0.63		mg/Kg-dry	10	11/30/2010
Selenium	ND	1.3		mg/Kg-dry	10	11/30/2010
Silver	ND	1.3		mg/Kg-dry	10	11/30/2010
Semivolatile Organic Compounds by GC/MS	SW8270C-SIM (SW3550B)			Prep Date: 12/2/2010		Analyst: VS
Acenaphthene	ND	0.034		mg/Kg-dry	10	12/2/2010
Acenaphthylene	ND	0.034		mg/Kg-dry	10	12/2/2010
Anthracene	0.087	0.034		mg/Kg-dry	10	12/2/2010
Benz(a)anthracene	0.38	0.034		mg/Kg-dry	10	12/2/2010
Benzo(a)pyrene	0.23	0.034		mg/Kg-dry	10	12/2/2010
Benzo(b)fluoranthene	0.24	0.034		mg/Kg-dry	10	12/2/2010
Benzo(g,h,i)perylene	0.14	0.034		mg/Kg-dry	10	12/2/2010
Benzo(k)fluoranthene	0.22	0.034		mg/Kg-dry	10	12/2/2010
Chrysene	0.38	0.034		mg/Kg-dry	10	12/2/2010
Dibenz(a,h)anthracene	0.055	0.034		mg/Kg-dry	10	12/2/2010
Fluoranthene	0.75	0.034		mg/Kg-dry	10	12/2/2010
Fluorene	ND	0.034		mg/Kg-dry	10	12/2/2010
Indeno(1,2,3-cd)pyrene	0.12	0.034		mg/Kg-dry	10	12/2/2010
Naphthalene	ND	0.034		mg/Kg-dry	10	12/2/2010
Phenanthrene	0.33	0.034		mg/Kg-dry	10	12/2/2010
Pyrene	0.65	0.034		mg/Kg-dry	10	12/2/2010
N-Nitrosodi-n-propylamine	ND	0.034		mg/Kg-dry	10	12/2/2010
Pentachlorophenol	ND	0.034		mg/Kg-dry	10	12/2/2010
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 12/2/2010		Analyst: DM
Aniline	ND	0.18		mg/Kg-dry	1	12/2/2010
Benzidine	ND	0.18		mg/Kg-dry	1	12/2/2010
Benzoic acid	ND	0.83		mg/Kg-dry	1	12/2/2010
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	12/2/2010
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	12/2/2010
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	12/2/2010
Bis(2-ethylhexyl)phthalate	ND	0.83		mg/Kg-dry	1	12/2/2010
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	12/2/2010

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Report Date: December 06, 2010
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Client:	AECOM Environmental Group	**Client Sample ID:**	SB-1
Lab Order:	10110845	**Tag Number:**	
Project:	Lynwood Soil Samples, Torrence & Joe Orr Road	**Collection Date:**	11/23/2010 9:45:00 AM
Lab ID:	10110845-001B	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **12/2/2010**		Analyst: **DM**
Butyl benzyl phthalate	ND	0.18		mg/Kg-dry	1	12/2/2010
Carbazole	ND	0.18		mg/Kg-dry	1	12/2/2010
4-Chloroaniline	ND	0.18		mg/Kg-dry	1	12/2/2010
4-Chloro-3-methylphenol	ND	0.18		mg/Kg-dry	1	12/2/2010
2-Chloronaphthalene	ND	0.18		mg/Kg-dry	1	12/2/2010
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	12/2/2010
4-Chlorophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	12/2/2010
Dibenzofuran	ND	0.18		mg/Kg-dry	1	12/2/2010
1,2-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	12/2/2010
1,3-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	12/2/2010
1,4-Dichlorobenzene	ND	0.18		mg/Kg-dry	1	12/2/2010
3,3'-Dichlorobenzidine	ND	0.34		mg/Kg-dry	1	12/2/2010
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	12/2/2010
Diethyl phthalate	ND	0.18		mg/Kg-dry	1	12/2/2010
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	12/2/2010
Dimethyl phthalate	ND	0.18		mg/Kg-dry	1	12/2/2010
4,6-Dinitro-2-methylphenol	ND	0.83		mg/Kg-dry	1	12/2/2010
2,4-Dinitrophenol	ND	0.83		mg/Kg-dry	1	12/2/2010
2,4-Dinitrotoluene	ND	0.18		mg/Kg-dry	1	12/2/2010
2,6-Dinitrotoluene	ND	0.18		mg/Kg-dry	1	12/2/2010
Di-n-butyl phthalate	ND	0.18		mg/Kg-dry	1	12/2/2010
Di-n-octyl phthalate	ND	0.18		mg/Kg-dry	1	12/2/2010
Hexachlorobenzene	ND	0.18		mg/Kg-dry	1	12/2/2010
Hexachlorobutadiene	ND	0.18		mg/Kg-dry	1	12/2/2010
Hexachlorocyclopentadiene	ND	0.18		mg/Kg-dry	1	12/2/2010
Hexachloroethane	ND	0.18		mg/Kg-dry	1	12/2/2010
Isophorone	ND	0.18		mg/Kg-dry	1	12/2/2010
2-Methylnaphthalene	ND	0.18		mg/Kg-dry	1	12/2/2010
2-Methylphenol	ND	0.18		mg/Kg-dry	1	12/2/2010
4-Methylphenol	ND	0.18		mg/Kg-dry	1	12/2/2010
2-Nitroaniline	ND	0.83		mg/Kg-dry	1	12/2/2010
3-Nitroaniline	ND	0.83		mg/Kg-dry	1	12/2/2010
4-Nitroaniline	ND	0.83		mg/Kg-dry	1	12/2/2010
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	12/2/2010
4-Nitrophenol	ND	0.83		mg/Kg-dry	1	12/2/2010
Nitrobenzene	ND	0.18		mg/Kg-dry	1	12/2/2010
N-Nitrosodimethylamine	ND	0.18		mg/Kg-dry	1	12/2/2010
N-Nitrosodiphenylamine	ND	0.18		mg/Kg-dry	1	12/2/2010

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Report Date: December 06, 2010
Print Date: December 06, 2010

Client:	AECOM Environmental Group	**Client Sample ID:**	SB-1
Lab Order:	10110845	**Tag Number:**	
Project:	Lynwood Soil Samples, Torrence & Joe Orr Road	**Collection Date:**	11/23/2010 9:45:00 AM
Lab ID:	10110845-001B	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **12/2/2010**		Analyst: **DM**
2, 2'-oxybis(1-Chloropropane)	ND	0.18		mg/Kg-dry	1	12/2/2010
Phenol	ND	0.18		mg/Kg-dry	1	12/2/2010
Pyridine	ND	0.18		mg/Kg-dry	1	12/2/2010
1,2,4-Trichlorobenzene	ND	0.18		mg/Kg-dry	1	12/2/2010
2,4,5-Trichlorophenol	ND	0.34		mg/Kg-dry	1	12/2/2010
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	12/2/2010
Percent Moisture	**D2974**			Prep Date: **11/24/2010**		Analyst: **JP**
Percent Moisture	12.6	0.2	*	wt%	1	11/29/2010

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Report Date: December 06, 2010
Print Date: December 06, 2010

Client:	AECOM Environmental Group	**Client Sample ID:**	SB-2
Lab Order:	10110845	**Tag Number:**	
Project:	Lynwood Soil Samples, Torrence & Joe Orr Road	**Collection Date:**	11/23/2010 10:10:00 AM
Lab ID:	10110845-002A	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	SW5035/8260B			Prep Date: 11/24/2010		Analyst: PS
Acetone	ND	0.064		mg/Kg-dry	1	11/30/2010
Benzene	ND	0.0043		mg/Kg-dry	1	11/30/2010
Bromodichloromethane	ND	0.0043		mg/Kg-dry	1	11/30/2010
Bromoform	ND	0.0043		mg/Kg-dry	1	11/30/2010
Bromomethane	ND	0.0085		mg/Kg-dry	1	11/30/2010
2-Butanone	ND	0.064		mg/Kg-dry	1	11/30/2010
Carbon disulfide	ND	0.043		mg/Kg-dry	1	11/30/2010
Carbon tetrachloride	ND	0.0043		mg/Kg-dry	1	11/30/2010
Chlorobenzene	ND	0.0043		mg/Kg-dry	1	11/30/2010
Chloroethane	ND	0.0085		mg/Kg-dry	1	11/30/2010
Chloroform	ND	0.0043		mg/Kg-dry	1	11/30/2010
Chloromethane	ND	0.0085		mg/Kg-dry	1	11/30/2010
Dibromochloromethane	ND	0.0043		mg/Kg-dry	1	11/30/2010
1,1-Dichloroethane	ND	0.0043		mg/Kg-dry	1	11/30/2010
1,2-Dichloroethane	ND	0.0043		mg/Kg-dry	1	11/30/2010
1,1-Dichloroethene	ND	0.0043		mg/Kg-dry	1	11/30/2010
cis-1,2-Dichloroethene	ND	0.0043		mg/Kg-dry	1	11/30/2010
trans-1,2-Dichloroethene	ND	0.0043		mg/Kg-dry	1	11/30/2010
1,2-Dichloropropane	ND	0.0043		mg/Kg-dry	1	11/30/2010
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	11/30/2010
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	11/30/2010
Ethylbenzene	ND	0.0043		mg/Kg-dry	1	11/30/2010
2-Hexanone	ND	0.017		mg/Kg-dry	1	11/30/2010
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	11/30/2010
Methylene chloride	ND	0.0085		mg/Kg-dry	1	11/30/2010
Methyl tert-butyl ether	ND	0.0043		mg/Kg-dry	1	11/30/2010
Styrene	ND	0.0043		mg/Kg-dry	1	11/30/2010
1,1,2,2-Tetrachloroethane	ND	0.0043		mg/Kg-dry	1	11/30/2010
Tetrachloroethene	ND	0.0043		mg/Kg-dry	1	11/30/2010
Toluene	ND	0.0043		mg/Kg-dry	1	11/30/2010
1,1,1-Trichloroethane	ND	0.0043		mg/Kg-dry	1	11/30/2010
1,1,2-Trichloroethane	ND	0.0043		mg/Kg-dry	1	11/30/2010
Trichloroethene	ND	0.0043		mg/Kg-dry	1	11/30/2010
Vinyl chloride	ND	0.0043		mg/Kg-dry	1	11/30/2010
Xylenes, Total	ND	0.013		mg/Kg-dry	1	11/30/2010

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Report Date: December 06, 2010
Print Date: December 06, 2010

Client:	AECOM Environmental Group	**Client Sample ID:**	SB-2
Lab Order:	10110845	**Tag Number:**	
Project:	Lynwood Soil Samples, Torrence & Joe Orr Road	**Collection Date:**	11/23/2010 10:10:00 AM
Lab ID:	10110845-002B	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A			Prep Date: 11/30/2010		Analyst: LB
Mercury	ND	0.028		mg/Kg-dry	1	12/1/2010
Metals by ICP/MS	SW6020 (SW3050B)			Prep Date: 11/30/2010		Analyst: JG
Arsenic	4.9	1.1		mg/Kg-dry	10	11/30/2010
Barium	34	1.1		mg/Kg-dry	10	11/30/2010
Cadmium	ND	0.56		mg/Kg-dry	10	11/30/2010
Chromium	15	1.1		mg/Kg-dry	10	11/30/2010
Lead	48	0.56		mg/Kg-dry	10	11/30/2010
Selenium	ND	1.1		mg/Kg-dry	10	11/30/2010
Silver	ND	1.1		mg/Kg-dry	10	11/30/2010
Semivolatile Organic Compounds by GC/MS	SW8270C-SIM (SW3550B)			Prep Date: 12/2/2010		Analyst: VS
Acenaphthene	ND	0.034		mg/Kg-dry	10	12/3/2010
Acenaphthylene	ND	0.034		mg/Kg-dry	10	12/3/2010
Anthracene	ND	0.034		mg/Kg-dry	10	12/3/2010
Benz(a)anthracene	ND	0.034		mg/Kg-dry	10	12/3/2010
Benzo(a)pyrene	ND	0.034		mg/Kg-dry	10	12/3/2010
Benzo(b)fluoranthene	ND	0.034		mg/Kg-dry	10	12/3/2010
Benzo(g,h,i)perylene	ND	0.034		mg/Kg-dry	10	12/3/2010
Benzo(k)fluoranthene	ND	0.034		mg/Kg-dry	10	12/3/2010
Chrysene	ND	0.034		mg/Kg-dry	10	12/3/2010
Dibenz(a,h)anthracene	ND	0.034		mg/Kg-dry	10	12/3/2010
Fluoranthene	ND	0.034		mg/Kg-dry	10	12/3/2010
Fluorene	ND	0.034		mg/Kg-dry	10	12/3/2010
Indeno(1,2,3-cd)pyrene	ND	0.034		mg/Kg-dry	10	12/3/2010
Naphthalene	ND	0.034		mg/Kg-dry	10	12/3/2010
Phenanthrene	ND	0.034		mg/Kg-dry	10	12/3/2010
Pyrene	ND	0.034		mg/Kg-dry	10	12/3/2010
N-Nitrosodi-n-propylamine	ND	0.034		mg/Kg-dry	10	12/3/2010
Pentachlorophenol	ND	0.034		mg/Kg-dry	10	12/3/2010
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 12/2/2010		Analyst: DM
Aniline	ND	0.18		mg/Kg-dry	1	12/2/2010
Benzidine	ND	0.18		mg/Kg-dry	1	12/2/2010
Benzoic acid	ND	0.82		mg/Kg-dry	1	12/2/2010
Benzyl alcohol	ND	0.18		mg/Kg-dry	1	12/2/2010
Bis(2-chloroethoxy)methane	ND	0.18		mg/Kg-dry	1	12/2/2010
Bis(2-chloroethyl)ether	ND	0.18		mg/Kg-dry	1	12/2/2010
Bis(2-ethylhexyl)phthalate	ND	0.82		mg/Kg-dry	1	12/2/2010
4-Bromophenyl phenyl ether	ND	0.18		mg/Kg-dry	1	12/2/2010

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Report Date: December 06, 2010
Print Date: December 06, 2010

Client:	AECOM Environmental Group	**Client Sample ID:**	SB-3
Lab Order:	10110845	**Tag Number:**	
Project:	Lynwood Soil Samples, Torrence & Joe Orr Road	**Collection Date:**	11/23/2010 10:35:00 AM
Lab ID:	10110845-003A	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **11/24/2010**		Analyst: **PS**
Acetone	ND	0.084		mg/Kg-dry	1	11/30/2010
Benzene	0.0075	0.0056		mg/Kg-dry	1	11/30/2010
Bromodichloromethane	ND	0.0056		mg/Kg-dry	1	11/30/2010
Bromoform	ND	0.0056		mg/Kg-dry	1	11/30/2010
Bromomethane	ND	0.011		mg/Kg-dry	1	11/30/2010
2-Butanone	ND	0.084		mg/Kg-dry	1	11/30/2010
Carbon disulfide	ND	0.056		mg/Kg-dry	1	11/30/2010
Carbon tetrachloride	ND	0.0056		mg/Kg-dry	1	11/30/2010
Chlorobenzene	ND	0.0056		mg/Kg-dry	1	11/30/2010
Chloroethane	ND	0.011		mg/Kg-dry	1	11/30/2010
Chloroform	ND	0.0056		mg/Kg-dry	1	11/30/2010
Chloromethane	ND	0.011		mg/Kg-dry	1	11/30/2010
Dibromochloromethane	ND	0.0056		mg/Kg-dry	1	11/30/2010
1,1-Dichloroethane	ND	0.0056		mg/Kg-dry	1	11/30/2010
1,2-Dichloroethane	ND	0.0056		mg/Kg-dry	1	11/30/2010
1,1-Dichloroethene	ND	0.0056		mg/Kg-dry	1	11/30/2010
cis-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	11/30/2010
trans-1,2-Dichloroethene	ND	0.0056		mg/Kg-dry	1	11/30/2010
1,2-Dichloropropane	ND	0.0056		mg/Kg-dry	1	11/30/2010
cis-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	11/30/2010
trans-1,3-Dichloropropene	ND	0.0022		mg/Kg-dry	1	11/30/2010
Ethylbenzene	ND	0.0056		mg/Kg-dry	1	11/30/2010
2-Hexanone	ND	0.022		mg/Kg-dry	1	11/30/2010
4-Methyl-2-pentanone	ND	0.022		mg/Kg-dry	1	11/30/2010
Methylene chloride	ND	0.011		mg/Kg-dry	1	11/30/2010
Methyl tert-butyl ether	ND	0.0056		mg/Kg-dry	1	11/30/2010
Styrene	ND	0.0056		mg/Kg-dry	1	11/30/2010
1,1,2,2-Tetrachloroethane	ND	0.0056		mg/Kg-dry	1	11/30/2010
Tetrachloroethene	ND	0.0056		mg/Kg-dry	1	11/30/2010
Toluene	ND	0.0056		mg/Kg-dry	1	11/30/2010
1,1,1-Trichloroethane	ND	0.0056		mg/Kg-dry	1	11/30/2010
1,1,2-Trichloroethane	ND	0.0056		mg/Kg-dry	1	11/30/2010
Trichloroethene	ND	0.0056		mg/Kg-dry	1	11/30/2010
Vinyl chloride	ND	0.0056		mg/Kg-dry	1	11/30/2010
Xylenes, Total	ND	0.017		mg/Kg-dry	1	11/30/2010

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STAT Analysis Corporation
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 06, 2010
Print Date: December 06, 2010

Client:	AECOM Environmental Group	**Client Sample ID:**	SB-3
Lab Order:	10110845	**Tag Number:**	
Project:	Lynwood Soil Samples, Torrence & Joe Orr Road	**Collection Date:**	11/23/2010 10:35:00 AM
Lab ID:	10110845-003B	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A			Prep Date: 11/30/2010		Analyst: LB
Mercury	ND	0.03		mg/Kg-dry	1	12/1/2010
Metals by ICP/MS	SW6020 (SW3050B)			Prep Date: 11/30/2010		Analyst: JG
Arsenic	6.8	1.1		mg/Kg-dry	10	11/30/2010
Barium	110	1.1		mg/Kg-dry	10	11/30/2010
Cadmium	ND	0.57		mg/Kg-dry	10	11/30/2010
Chromium	16	1.1		mg/Kg-dry	10	11/30/2010
Lead	28	0.57		mg/Kg-dry	10	11/30/2010
Selenium	ND	1.1		mg/Kg-dry	10	11/30/2010
Silver	ND	1.1		mg/Kg-dry	10	11/30/2010
Semivolatile Organic Compounds by GC/MS	SW8270C-SIM (SW3550B)			Prep Date: 12/2/2010		Analyst: VS
Acenaphthene	ND	0.027		mg/Kg-dry	1	12/2/2010
Acenaphthylene	ND	0.027		mg/Kg-dry	1	12/2/2010
Anthracene	ND	0.027		mg/Kg-dry	1	12/2/2010
Benz(a)anthracene	ND	0.027		mg/Kg-dry	1	12/2/2010
Benzo(a)pyrene	ND	0.027		mg/Kg-dry	1	12/2/2010
Benzo(b)fluoranthene	ND	0.027		mg/Kg-dry	1	12/2/2010
Benzo(g,h,i)perylene	ND	0.027		mg/Kg-dry	1	12/2/2010
Benzo(k)fluoranthene	ND	0.027		mg/Kg-dry	1	12/2/2010
Chrysene	ND	0.027		mg/Kg-dry	1	12/2/2010
Dibenz(a,h)anthracene	ND	0.027		mg/Kg-dry	1	12/2/2010
Fluoranthene	ND	0.027		mg/Kg-dry	1	12/2/2010
Fluorene	ND	0.027		mg/Kg-dry	1	12/2/2010
Indeno(1,2,3-cd)pyrene	ND	0.027		mg/Kg-dry	1	12/2/2010
Naphthalene	ND	0.027		mg/Kg-dry	1	12/2/2010
Phenanthrene	ND	0.027		mg/Kg-dry	1	12/2/2010
Pyrene	ND	0.027		mg/Kg-dry	1	12/2/2010
N-Nitrosodi-n-propylamine	ND	0.027		mg/Kg-dry	1	12/2/2010
Pentachlorophenol	ND	0.027		mg/Kg-dry	1	12/2/2010
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 12/2/2010		Analyst: DM
Aniline	ND	0.19		mg/Kg-dry	1	12/2/2010
Benzidine	ND	0.19		mg/Kg-dry	1	12/2/2010
Benzoic acid	ND	0.87		mg/Kg-dry	1	12/2/2010
Benzyl alcohol	ND	0.19		mg/Kg-dry	1	12/2/2010
Bis(2-chloroethoxy)methane	ND	0.19		mg/Kg-dry	1	12/2/2010
Bis(2-chloroethyl)ether	ND	0.19		mg/Kg-dry	1	12/2/2010
Bis(2-ethylhexyl)phthalate	ND	0.87		mg/Kg-dry	1	12/2/2010
4-Bromophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	12/2/2010

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

Report Date: December 06, 2010
Print Date: December 06, 2010

Client:	AECOM Environmental Group	**Client Sample ID:**	SB-3
Lab Order:	10110845	**Tag Number:**	
Project:	Lynwood Soil Samples, Torrence & Joe Orr Road	**Collection Date:**	11/23/2010 10:35:00 AM
Lab ID:	10110845-003B	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **12/2/2010**		Analyst: **DM**
Butyl benzyl phthalate	ND	0.19		mg/Kg-dry	1	12/2/2010
Carbazole	ND	0.19		mg/Kg-dry	1	12/2/2010
4-Chloroaniline	ND	0.19		mg/Kg-dry	1	12/2/2010
4-Chloro-3-methylphenol	ND	0.19		mg/Kg-dry	1	12/2/2010
2-Chloronaphthalene	ND	0.19		mg/Kg-dry	1	12/2/2010
2-Chlorophenol	ND	0.19		mg/Kg-dry	1	12/2/2010
4-Chlorophenyl phenyl ether	ND	0.19		mg/Kg-dry	1	12/2/2010
Dibenzofuran	ND	0.19		mg/Kg-dry	1	12/2/2010
1,2-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	12/2/2010
1,3-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	12/2/2010
1,4-Dichlorobenzene	ND	0.19		mg/Kg-dry	1	12/2/2010
3,3'-Dichlorobenzidine	ND	0.36		mg/Kg-dry	1	12/2/2010
2,4-Dichlorophenol	ND	0.19		mg/Kg-dry	1	12/2/2010
Diethyl phthalate	ND	0.19		mg/Kg-dry	1	12/2/2010
2,4-Dimethylphenol	ND	0.19		mg/Kg-dry	1	12/2/2010
Dimethyl phthalate	ND	0.19		mg/Kg-dry	1	12/2/2010
4,6-Dinitro-2-methylphenol	ND	0.87		mg/Kg-dry	1	12/2/2010
2,4-Dinitrophenol	ND	0.87		mg/Kg-dry	1	12/2/2010
2,4-Dinitrotoluene	ND	0.19		mg/Kg-dry	1	12/2/2010
2,6-Dinitrotoluene	ND	0.19		mg/Kg-dry	1	12/2/2010
Di-n-butyl phthalate	ND	0.19		mg/Kg-dry	1	12/2/2010
Di-n-octyl phthalate	ND	0.19		mg/Kg-dry	1	12/2/2010
Hexachlorobenzene	ND	0.19		mg/Kg-dry	1	12/2/2010
Hexachlorobutadiene	ND	0.19		mg/Kg-dry	1	12/2/2010
Hexachlorocyclopentadiene	ND	0.19		mg/Kg-dry	1	12/2/2010
Hexachloroethane	ND	0.19		mg/Kg-dry	1	12/2/2010
Isophorone	ND	0.19		mg/Kg-dry	1	12/2/2010
2-Methylnaphthalene	ND	0.19		mg/Kg-dry	1	12/2/2010
2-Methylphenol	ND	0.19		mg/Kg-dry	1	12/2/2010
4-Methylphenol	ND	0.19		mg/Kg-dry	1	12/2/2010
2-Nitroaniline	ND	0.87		mg/Kg-dry	1	12/2/2010
3-Nitroaniline	ND	0.87		mg/Kg-dry	1	12/2/2010
4-Nitroaniline	ND	0.87		mg/Kg-dry	1	12/2/2010
2-Nitrophenol	ND	0.19		mg/Kg-dry	1	12/2/2010
4-Nitrophenol	ND	0.87		mg/Kg-dry	1	12/2/2010
Nitrobenzene	ND	0.19		mg/Kg-dry	1	12/2/2010
N-Nitrosodimethylamine	ND	0.19		mg/Kg-dry	1	12/2/2010
N-Nitrosodiphenylamine	ND	0.19		mg/Kg-dry	1	12/2/2010

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Report Date: December 06, 2010
Print Date: December 06, 2010

Client:	AECOM Environmental Group	**Client Sample ID:**	SB-3
Lab Order:	10110845	**Tag Number:**	
Project:	Lynwood Soil Samples, Torrence & Joe Orr Road	**Collection Date:**	11/23/2010 10:35:00 AM
Lab ID:	10110845-003B	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **12/2/2010**		Analyst: **DM**
2, 2'-oxybis(1-Chloropropane)	ND	0.19		mg/Kg-dry	1	12/2/2010
Phenol	ND	0.19		mg/Kg-dry	1	12/2/2010
Pyridine	ND	0.19		mg/Kg-dry	1	12/2/2010
1,2,4-Trichlorobenzene	ND	0.19		mg/Kg-dry	1	12/2/2010
2,4,5-Trichlorophenol	ND	0.36		mg/Kg-dry	1	12/2/2010
2,4,6-Trichlorophenol	ND	0.19		mg/Kg-dry	1	12/2/2010
Percent Moisture	**D2974**			Prep Date: **11/24/2010**		Analyst: **JP**
Percent Moisture	17.0	0.2	*	wt%	1	11/29/2010

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Report Date: December 06, 2010
Print Date: December 06, 2010

Client:	AECOM Environmental Group	**Client Sample ID:**	SB-6
Lab Order:	10110845	**Tag Number:**	
Project:	Lynwood Soil Samples, Torrence & Joe Orr Road	**Collection Date:**	11/23/2010 10:50:00 AM
Lab ID:	10110845-004A	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	SW5035/8260B			Prep Date: 11/24/2010		Analyst: PS
Acetone	ND	0.047		mg/Kg-dry	1	11/30/2010
Benzene	ND	0.0031		mg/Kg-dry	1	11/30/2010
Bromodichloromethane	ND	0.0031		mg/Kg-dry	1	11/30/2010
Bromoform	ND	0.0031		mg/Kg-dry	1	11/30/2010
Bromomethane	ND	0.0062		mg/Kg-dry	1	11/30/2010
2-Butanone	ND	0.047		mg/Kg-dry	1	11/30/2010
Carbon disulfide	ND	0.031		mg/Kg-dry	1	11/30/2010
Carbon tetrachloride	ND	0.0031		mg/Kg-dry	1	11/30/2010
Chlorobenzene	ND	0.0031		mg/Kg-dry	1	11/30/2010
Chloroethane	ND	0.0062		mg/Kg-dry	1	11/30/2010
Chloroform	ND	0.0031		mg/Kg-dry	1	11/30/2010
Chloromethane	ND	0.0062		mg/Kg-dry	1	11/30/2010
Dibromochloromethane	ND	0.0031		mg/Kg-dry	1	11/30/2010
1,1-Dichloroethane	ND	0.0031		mg/Kg-dry	1	11/30/2010
1,2-Dichloroethane	ND	0.0031		mg/Kg-dry	1	11/30/2010
1,1-Dichloroethene	ND	0.0031		mg/Kg-dry	1	11/30/2010
cis-1,2-Dichloroethene	ND	0.0031		mg/Kg-dry	1	11/30/2010
trans-1,2-Dichloroethene	ND	0.0031		mg/Kg-dry	1	11/30/2010
1,2-Dichloropropane	ND	0.0031		mg/Kg-dry	1	11/30/2010
cis-1,3-Dichloropropene	ND	0.0012		mg/Kg-dry	1	11/30/2010
trans-1,3-Dichloropropene	ND	0.0012		mg/Kg-dry	1	11/30/2010
Ethylbenzene	ND	0.0031		mg/Kg-dry	1	11/30/2010
2-Hexanone	ND	0.012		mg/Kg-dry	1	11/30/2010
4-Methyl-2-pentanone	ND	0.012		mg/Kg-dry	1	11/30/2010
Methylene chloride	ND	0.0062		mg/Kg-dry	1	11/30/2010
Methyl tert-butyl ether	ND	0.0031		mg/Kg-dry	1	11/30/2010
Styrene	ND	0.0031		mg/Kg-dry	1	11/30/2010
1,1,2,2-Tetrachloroethane	ND	0.0031		mg/Kg-dry	1	11/30/2010
Tetrachloroethene	ND	0.0031		mg/Kg-dry	1	11/30/2010
Toluene	ND	0.0031		mg/Kg-dry	1	11/30/2010
1,1,1-Trichloroethane	ND	0.0031		mg/Kg-dry	1	11/30/2010
1,1,2-Trichloroethane	ND	0.0031		mg/Kg-dry	1	11/30/2010
Trichloroethene	ND	0.0031		mg/Kg-dry	1	11/30/2010
Vinyl chloride	ND	0.0031		mg/Kg-dry	1	11/30/2010
Xylenes, Total	ND	0.0093		mg/Kg-dry	1	11/30/2010

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Report Date: December 06, 2010
Print Date: December 06, 2010

Client: AECOM Environmental Group
Client Sample ID: SB-6
Lab Order: 10110845
Tag Number:
Project: Lynwood Soil Samples, Torrence & Joe Orr Road
Collection Date: 11/23/2010 10:50:00 AM
Lab ID: 10110845-004B
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A			Prep Date: 11/30/2010		Analyst: LB
Mercury	ND	0.026		mg/Kg-dry	1	12/1/2010
Metals by ICP/MS	SW6020 (SW3050B)			Prep Date: 11/30/2010		Analyst: JG
Arsenic	1.7	1.1		mg/Kg-dry	10	11/30/2010
Barium	120	1.1		mg/Kg-dry	10	11/30/2010
Cadmium	ND	0.54		mg/Kg-dry	10	11/30/2010
Chromium	3.1	1.1		mg/Kg-dry	10	11/30/2010
Lead	7	0.54		mg/Kg-dry	10	11/30/2010
Selenium	ND	1.1		mg/Kg-dry	10	11/30/2010
Silver	ND	1.1		mg/Kg-dry	10	11/30/2010
Semivolatile Organic Compounds by GC/MS	SW8270C-SIM (SW3550B)			Prep Date: 12/2/2010		Analyst: VS
Acenaphthene	ND	0.033		mg/Kg-dry	10	12/2/2010
Acenaphthylene	ND	0.033		mg/Kg-dry	10	12/2/2010
Anthracene	ND	0.033		mg/Kg-dry	10	12/2/2010
Benz(a)anthracene	ND	0.033		mg/Kg-dry	10	12/2/2010
Benzo(a)pyrene	ND	0.033		mg/Kg-dry	10	12/2/2010
Benzo(b)fluoranthene	ND	0.033		mg/Kg-dry	10	12/2/2010
Benzo(g,h,i)perylene	ND	0.033		mg/Kg-dry	10	12/2/2010
Benzo(k)fluoranthene	ND	0.033		mg/Kg-dry	10	12/2/2010
Chrysene	ND	0.033		mg/Kg-dry	10	12/2/2010
Dibenz(a,h)anthracene	ND	0.033		mg/Kg-dry	10	12/2/2010
Fluoranthene	ND	0.033		mg/Kg-dry	10	12/2/2010
Fluorene	ND	0.033		mg/Kg-dry	10	12/2/2010
Indeno(1,2,3-cd)pyrene	ND	0.033		mg/Kg-dry	10	12/2/2010
Naphthalene	ND	0.033		mg/Kg-dry	10	12/2/2010
Phenanthrene	ND	0.033		mg/Kg-dry	10	12/2/2010
Pyrene	ND	0.033		mg/Kg-dry	10	12/2/2010
N-Nitrosodi-n-propylamine	ND	0.033		mg/Kg-dry	10	12/2/2010
Pentachlorophenol	ND	0.033		mg/Kg-dry	10	12/2/2010
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 12/2/2010		Analyst: DM
Aniline	ND	0.17		mg/Kg-dry	1	12/2/2010
Benzidine	ND	0.17		mg/Kg-dry	1	12/2/2010
Benzoic acid	ND	0.8		mg/Kg-dry	1	12/2/2010
Benzyl alcohol	ND	0.17		mg/Kg-dry	1	12/2/2010
Bis(2-chloroethoxy)methane	ND	0.17		mg/Kg-dry	1	12/2/2010
Bis(2-chloroethyl)ether	ND	0.17		mg/Kg-dry	1	12/2/2010
Bis(2-ethylhexyl)phthalate	ND	0.8		mg/Kg-dry	1	12/2/2010
4-Bromophenyl phenyl ether	ND	0.17		mg/Kg-dry	1	12/2/2010

Qualifiers:
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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
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Report Date: December 06, 2010
Print Date: December 06, 2010

Client:	AECOM Environmental Group	**Client Sample ID:**	SB-6
Lab Order:	10110845	**Tag Number:**	
Project:	Lynwood Soil Samples, Torrence & Joe Orr Road	**Collection Date:**	11/23/2010 10:50:00 AM
Lab ID:	10110845-004B	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **12/2/2010**		Analyst: **DM**
Butyl benzyl phthalate	ND	0.17		mg/Kg-dry	1	12/2/2010
Carbazole	ND	0.17		mg/Kg-dry	1	12/2/2010
4-Chloroaniline	ND	0.17		mg/Kg-dry	1	12/2/2010
4-Chloro-3-methylphenol	ND	0.17		mg/Kg-dry	1	12/2/2010
2-Chloronaphthalene	ND	0.17		mg/Kg-dry	1	12/2/2010
2-Chlorophenol	ND	0.17		mg/Kg-dry	1	12/2/2010
4-Chlorophenyl phenyl ether	ND	0.17		mg/Kg-dry	1	12/2/2010
Dibenzofuran	ND	0.17		mg/Kg-dry	1	12/2/2010
1,2-Dichlorobenzene	ND	0.17		mg/Kg-dry	1	12/2/2010
1,3-Dichlorobenzene	ND	0.17		mg/Kg-dry	1	12/2/2010
1,4-Dichlorobenzene	ND	0.17		mg/Kg-dry	1	12/2/2010
3,3'-Dichlorobenzidine	ND	0.33		mg/Kg-dry	1	12/2/2010
2,4-Dichlorophenol	ND	0.17		mg/Kg-dry	1	12/2/2010
Diethyl phthalate	ND	0.17		mg/Kg-dry	1	12/2/2010
2,4-Dimethylphenol	ND	0.17		mg/Kg-dry	1	12/2/2010
Dimethyl phthalate	ND	0.17		mg/Kg-dry	1	12/2/2010
4,6-Dinitro-2-methylphenol	ND	0.8		mg/Kg-dry	1	12/2/2010
2,4-Dinitrophenol	ND	0.8		mg/Kg-dry	1	12/2/2010
2,4-Dinitrotoluene	ND	0.17		mg/Kg-dry	1	12/2/2010
2,6-Dinitrotoluene	ND	0.17		mg/Kg-dry	1	12/2/2010
Di-n-butyl phthalate	ND	0.17		mg/Kg-dry	1	12/2/2010
Di-n-octyl phthalate	ND	0.17		mg/Kg-dry	1	12/2/2010
Hexachlorobenzene	ND	0.17		mg/Kg-dry	1	12/2/2010
Hexachlorobutadiene	ND	0.17		mg/Kg-dry	1	12/2/2010
Hexachlorocyclopentadiene	ND	0.17		mg/Kg-dry	1	12/2/2010
Hexachloroethane	ND	0.17		mg/Kg-dry	1	12/2/2010
Isophorone	ND	0.17		mg/Kg-dry	1	12/2/2010
2-Methylnaphthalene	ND	0.17		mg/Kg-dry	1	12/2/2010
2-Methylphenol	ND	0.17		mg/Kg-dry	1	12/2/2010
4-Methylphenol	ND	0.17		mg/Kg-dry	1	12/2/2010
2-Nitroaniline	ND	0.8		mg/Kg-dry	1	12/2/2010
3-Nitroaniline	ND	0.8		mg/Kg-dry	1	12/2/2010
4-Nitroaniline	ND	0.8		mg/Kg-dry	1	12/2/2010
2-Nitrophenol	ND	0.17		mg/Kg-dry	1	12/2/2010
4-Nitrophenol	ND	0.8		mg/Kg-dry	1	12/2/2010
Nitrobenzene	ND	0.17		mg/Kg-dry	1	12/2/2010
N-Nitrosodimethylamine	ND	0.17		mg/Kg-dry	1	12/2/2010
N-Nitrosodiphenylamine	ND	0.17		mg/Kg-dry	1	12/2/2010

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
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STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 06, 2010
Print Date: December 06, 2010

Client:	AECOM Environmental Group	**Client Sample ID:**	SB-6
Lab Order:	10110845	**Tag Number:**	
Project:	Lynwood Soil Samples, Torrence & Joe Orr Road	**Collection Date:**	11/23/2010 10:50:00 AM
Lab ID:	10110845-004B	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **12/2/2010**		Analyst: DM
2, 2'-oxybis(1-Chloropropane)	ND	0.17		mg/Kg-dry	1	12/2/2010
Phenol	ND	0.17		mg/Kg-dry	1	12/2/2010
Pyridine	ND	0.17		mg/Kg-dry	1	12/2/2010
1,2,4-Trichlorobenzene	ND	0.17		mg/Kg-dry	1	12/2/2010
2,4,5-Trichlorophenol	ND	0.33		mg/Kg-dry	1	12/2/2010
2,4,6-Trichlorophenol	ND	0.17		mg/Kg-dry	1	12/2/2010
Percent Moisture	**D2974**			Prep Date: **11/24/2010**		Analyst: JP
Percent Moisture	9.0	0.2	*	wt%	1	11/29/2010

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Report Date: December 06, 2010
Print Date: December 06, 2010

Client:	AECOM Environmental Group	**Client Sample ID:**	SB-7
Lab Order:	10110845	**Tag Number:**	
Project:	Lynwood Soil Samples, Torrence & Joe Orr Road	**Collection Date:**	11/23/2010 11:30:00 AM
Lab ID:	10110845-005A	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **11/24/2010**		Analyst: **PS**
Acetone	ND	0.096		mg/Kg-dry	1	11/30/2010
Benzene	ND	0.0064		mg/Kg-dry	1	11/30/2010
Bromodichloromethane	ND	0.0064		mg/Kg-dry	1	11/30/2010
Bromoform	ND	0.0064		mg/Kg-dry	1	11/30/2010
Bromomethane	ND	0.013		mg/Kg-dry	1	11/30/2010
2-Butanone	ND	0.096		mg/Kg-dry	1	11/30/2010
Carbon disulfide	ND	0.064		mg/Kg-dry	1	11/30/2010
Carbon tetrachloride	ND	0.0064		mg/Kg-dry	1	11/30/2010
Chlorobenzene	ND	0.0064		mg/Kg-dry	1	11/30/2010
Chloroethane	ND	0.013		mg/Kg-dry	1	11/30/2010
Chloroform	ND	0.0064		mg/Kg-dry	1	11/30/2010
Chloromethane	ND	0.013		mg/Kg-dry	1	11/30/2010
Dibromochloromethane	ND	0.0064		mg/Kg-dry	1	11/30/2010
1,1-Dichloroethane	ND	0.0064		mg/Kg-dry	1	11/30/2010
1,2-Dichloroethane	ND	0.0064		mg/Kg-dry	1	11/30/2010
1,1-Dichloroethene	ND	0.0064		mg/Kg-dry	1	11/30/2010
cis-1,2-Dichloroethene	ND	0.0064		mg/Kg-dry	1	11/30/2010
trans-1,2-Dichloroethene	ND	0.0064		mg/Kg-dry	1	11/30/2010
1,2-Dichloropropane	ND	0.0064		mg/Kg-dry	1	11/30/2010
cis-1,3-Dichloropropene	ND	0.0026		mg/Kg-dry	1	11/30/2010
trans-1,3-Dichloropropene	ND	0.0026		mg/Kg-dry	1	11/30/2010
Ethylbenzene	ND	0.0064		mg/Kg-dry	1	11/30/2010
2-Hexanone	ND	0.026		mg/Kg-dry	1	11/30/2010
4-Methyl-2-pentanone	ND	0.026		mg/Kg-dry	1	11/30/2010
Methylene chloride	ND	0.013		mg/Kg-dry	1	11/30/2010
Methyl tert-butyl ether	ND	0.0064		mg/Kg-dry	1	11/30/2010
Styrene	ND	0.0064		mg/Kg-dry	1	11/30/2010
1,1,2,2-Tetrachloroethane	ND	0.0064		mg/Kg-dry	1	11/30/2010
Tetrachloroethene	ND	0.0064		mg/Kg-dry	1	11/30/2010
Toluene	ND	0.0064		mg/Kg-dry	1	11/30/2010
1,1,1-Trichloroethane	ND	0.0064		mg/Kg-dry	1	11/30/2010
1,1,2-Trichloroethane	ND	0.0064		mg/Kg-dry	1	11/30/2010
Trichloroethene	ND	0.0064		mg/Kg-dry	1	11/30/2010
Vinyl chloride	ND	0.0064		mg/Kg-dry	1	11/30/2010
Xylenes, Total	ND	0.019		mg/Kg-dry	1	11/30/2010

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

Report Date: December 06, 2010
Print Date: December 06, 2010

Client:	AECOM Environmental Group	**Client Sample ID:**	SB-7
Lab Order:	10110845	**Tag Number:**	
Project:	Lynwood Soil Samples, Torrence & Joe Orr Road	**Collection Date:**	11/23/2010 11:30:00 AM
Lab ID:	10110845-005B	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A			Prep Date: 11/30/2010		Analyst: LB
Mercury	ND	0.033		mg/Kg-dry	1	12/1/2010
Metals by ICP/MS	SW6020 (SW3050B)			Prep Date: 11/30/2010		Analyst: JG
Arsenic	5.8	1.4		mg/Kg-dry	10	11/30/2010
Barium	340	1.4		mg/Kg-dry	10	11/30/2010
Cadmium	ND	0.72		mg/Kg-dry	10	11/30/2010
Chromium	23	1.4		mg/Kg-dry	10	11/30/2010
Lead	27	0.72		mg/Kg-dry	10	11/30/2010
Selenium	ND	1.4		mg/Kg-dry	10	11/30/2010
Silver	ND	1.4		mg/Kg-dry	10	11/30/2010
Semivolatile Organic Compounds by GC/MS	SW8270C-SIM (SW3550B)			Prep Date: 12/2/2010		Analyst: VS
Acenaphthene	ND	0.032		mg/Kg-dry	1	12/2/2010
Acenaphthylene	ND	0.032		mg/Kg-dry	1	12/2/2010
Anthracene	ND	0.032		mg/Kg-dry	1	12/2/2010
Benz(a)anthracene	ND	0.032		mg/Kg-dry	1	12/2/2010
Benzo(a)pyrene	ND	0.032		mg/Kg-dry	1	12/2/2010
Benzo(b)fluoranthene	ND	0.032		mg/Kg-dry	1	12/2/2010
Benzo(g,h,i)perylene	ND	0.032		mg/Kg-dry	1	12/2/2010
Benzo(k)fluoranthene	ND	0.032		mg/Kg-dry	1	12/2/2010
Chrysene	ND	0.032		mg/Kg-dry	1	12/2/2010
Dibenz(a,h)anthracene	ND	0.032		mg/Kg-dry	1	12/2/2010
Fluoranthene	ND	0.032		mg/Kg-dry	1	12/2/2010
Fluorene	ND	0.032		mg/Kg-dry	1	12/2/2010
Indeno(1,2,3-cd)pyrene	ND	0.032		mg/Kg-dry	1	12/2/2010
Naphthalene	ND	0.032		mg/Kg-dry	1	12/2/2010
Phenanthrene	ND	0.032		mg/Kg-dry	1	12/2/2010
Pyrene	ND	0.032		mg/Kg-dry	1	12/2/2010
N-Nitrosodi-n-propylamine	ND	0.032		mg/Kg-dry	1	12/2/2010
Pentachlorophenol	ND	0.032		mg/Kg-dry	1	12/2/2010
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 12/2/2010		Analyst: DM
Aniline	ND	0.22		mg/Kg-dry	1	12/2/2010
Benzidine	ND	0.22		mg/Kg-dry	1	12/2/2010
Benzoic acid	ND	1		mg/Kg-dry	1	12/2/2010
Benzyl alcohol	ND	0.22		mg/Kg-dry	1	12/2/2010
Bis(2-chloroethoxy)methane	ND	0.22		mg/Kg-dry	1	12/2/2010
Bis(2-chloroethyl)ether	ND	0.22		mg/Kg-dry	1	12/2/2010
Bis(2-ethylhexyl)phthalate	ND	1		mg/Kg-dry	1	12/2/2010
4-Bromophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	12/2/2010

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

Report Date: December 06, 2010
Print Date: December 06, 2010

Client:	AECOM Environmental Group	**Client Sample ID:**	SB-7
Lab Order:	10110845	**Tag Number:**	
Project:	Lynwood Soil Samples, Torrence & Joe Orr Road	**Collection Date:**	11/23/2010 11:30:00 AM
Lab ID:	10110845-005B	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **12/2/2010**		Analyst: DM
Butyl benzyl phthalate	ND	0.22		mg/Kg-dry	1	12/2/2010
Carbazole	ND	0.22		mg/Kg-dry	1	12/2/2010
4-Chloroaniline	ND	0.22		mg/Kg-dry	1	12/2/2010
4-Chloro-3-methylphenol	ND	0.22		mg/Kg-dry	1	12/2/2010
2-Chloronaphthalene	ND	0.22		mg/Kg-dry	1	12/2/2010
2-Chlorophenol	ND	0.22		mg/Kg-dry	1	12/2/2010
4-Chlorophenyl phenyl ether	ND	0.22		mg/Kg-dry	1	12/2/2010
Dibenzofuran	ND	0.22		mg/Kg-dry	1	12/2/2010
1,2-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	12/2/2010
1,3-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	12/2/2010
1,4-Dichlorobenzene	ND	0.22		mg/Kg-dry	1	12/2/2010
3,3'-Dichlorobenzidine	ND	0.43		mg/Kg-dry	1	12/2/2010
2,4-Dichlorophenol	ND	0.22		mg/Kg-dry	1	12/2/2010
Diethyl phthalate	ND	0.22		mg/Kg-dry	1	12/2/2010
2,4-Dimethylphenol	ND	0.22		mg/Kg-dry	1	12/2/2010
Dimethyl phthalate	ND	0.22		mg/Kg-dry	1	12/2/2010
4,6-Dinitro-2-methylphenol	ND	1		mg/Kg-dry	1	12/2/2010
2,4-Dinitrophenol	ND	1		mg/Kg-dry	1	12/2/2010
2,4-Dinitrotoluene	ND	0.22		mg/Kg-dry	1	12/2/2010
2,6-Dinitrotoluene	ND	0.22		mg/Kg-dry	1	12/2/2010
Di-n-butyl phthalate	ND	0.22		mg/Kg-dry	1	12/2/2010
Di-n-octyl phthalate	ND	0.22		mg/Kg-dry	1	12/2/2010
Hexachlorobenzene	ND	0.22		mg/Kg-dry	1	12/2/2010
Hexachlorobutadiene	ND	0.22		mg/Kg-dry	1	12/2/2010
Hexachlorocyclopentadiene	ND	0.22		mg/Kg-dry	1	12/2/2010
Hexachloroethane	ND	0.22		mg/Kg-dry	1	12/2/2010
Isophorone	ND	0.22		mg/Kg-dry	1	12/2/2010
2-Methylnaphthalene	ND	0.22		mg/Kg-dry	1	12/2/2010
2-Methylphenol	ND	0.22		mg/Kg-dry	1	12/2/2010
4-Methylphenol	ND	0.22		mg/Kg-dry	1	12/2/2010
2-Nitroaniline	ND	1		mg/Kg-dry	1	12/2/2010
3-Nitroaniline	ND	1		mg/Kg-dry	1	12/2/2010
4-Nitroaniline	ND	1		mg/Kg-dry	1	12/2/2010
2-Nitrophenol	ND	0.22		mg/Kg-dry	1	12/2/2010
4-Nitrophenol	ND	1		mg/Kg-dry	1	12/2/2010
Nitrobenzene	ND	0.22		mg/Kg-dry	1	12/2/2010
N-Nitrosodimethylamine	ND	0.22		mg/Kg-dry	1	12/2/2010
N-Nitrosodiphenylamine	ND	0.22		mg/Kg-dry	1	12/2/2010

Qualifiers:
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J - Analyte detected below quantitation limits
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Report Date: December 06, 2010
Print Date: December 06, 2010

Client:	AECOM Environmental Group	**Client Sample ID:**	SB-7
Lab Order:	10110845	**Tag Number:**	
Project:	Lynwood Soil Samples, Torrence & Joe Orr Road	**Collection Date:**	11/23/2010 11:30:00 AM
Lab ID:	10110845-005B	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **12/2/2010**		Analyst: **DM**
2, 2'-oxybis(1-Chloropropane)	ND	0.22		mg/Kg-dry	1	12/2/2010
Phenol	ND	0.22		mg/Kg-dry	1	12/2/2010
Pyridine	ND	0.22		mg/Kg-dry	1	12/2/2010
1,2,4-Trichlorobenzene	ND	0.22		mg/Kg-dry	1	12/2/2010
2,4,5-Trichlorophenol	ND	0.43		mg/Kg-dry	1	12/2/2010
2,4,6-Trichlorophenol	ND	0.22		mg/Kg-dry	1	12/2/2010
Percent Moisture	**D2974**			Prep Date: **11/24/2010**		Analyst: **JP**
Percent Moisture	29.9	0.2	*	wt%	1	11/29/2010

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
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e-mail address: STATinfo@STATAnalysis.com AIHA, NVLAP and NELAP accredited

CHAIN OF CUSTODY RECORD

№: 834612 Page: 1 of 1

Company: AECOM
Project Number: Client Tracking No.:
Project Name: Lynwood Soil Samples
Project Location: ~~[illegible]~~ Torrence / Joe Cir Road, Lynwood, IL
Sampler(s): Bryant Williams
Report To: Bryant Williams Steve Nevin
Phone: 312-373-~~[illegible]~~7812
Fax: 312-936-1109
QC Level: 1 2 3 4
e-mail: Bryant.williams@aecom.com

P.O. No.:
Quote No.:

Turn Around: Normal TAT
Results Needed: / / am/pm

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	SVOCs	VOCs	RCRA Metals	Remarks	Lab No.:
SB-1	11/23/10	9:45	Soil		X		4					001
SB 2		10:10										002
SB 3		10:35										003
~~SB 4~~												
~~SB 5~~												
SB-6		10:50										004
SB 7		11:30										005

Relinquished by: (Signature) Bryant Williams	Date/Time: 11/23/10 1222	Comments:
Received by: (Signature)	Date/Time: 11/23/10 1220	
Relinquished by: (Signature)	Date/Time:	
Received by: (Signature)	Date/Time:	
nquished by: (Signature)	Date/Time:	Preservation Code: A = None B = HNO_3 C = NaOH D = H_2SO_4 E = HCl F = 5035/EnCore G = Other
ived by: (Signature)	Date/Time:	

Laboratory Work Order No.: 10110845
Received on Ice: Yes [X] No [ ]
Temperature: 11.2 °C

STAT Analysis Corporation

Sample Receipt Checklist

Client Name **AECOM**

Date and Time Received: **11/23/2010 12:20:00 PM**

Work Order Number **10110845**

Received by: CDF

Checklist completed by: Katie Lewis (Signature) 11/23/10 (Date)

Reviewed by: CG (Initials) 11/24/10 (Date)

Matrix:

Carrier name: Client Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels/containers?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container or Temp Blank temperature in compliance?	Yes ☑	No ☐	Temperature 11.2 °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☐	No ☐
Water - Samples pH checked?	Yes ☐	No ☐	Checked by:
Water - Samples properly preserved?	Yes ☐	No ☐	pH Adjusted?

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

Comments:

Client / Person contacted:

Date contacted:

Contacted by:

Response:

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December 02, 2010

AECOM Environmental Group
303 East Wacker
Suite 909
Chicago, IL 60601
Telephone: (312) 373-7812
Fax: (312) 938-1109

RE: Lynwood Soil Samples, Lynwood, IL STAT Project No: 10110702

Dear Bryant Williams:

STAT Analysis received 2 samples for the referenced project on 11/22/2010 10:26:00 AM. The analytical results are presented in the following report.

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

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

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

Sincerely,

Catia Giannini
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

STAT Analysis Corporation

Date: December 02, 2010

Client: AECOM Environmental Group
Project: Lynwood Soil Samples, Lynwood, IL
Lab Order: 10110702

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10110702-001A	SB-4		11/22/2010 8:45:00 AM	11/22/2010
10110702-001B	SB-4		11/22/2010 8:45:00 AM	11/22/2010
10110702-002A	SB-5		11/22/2010 9:05:00 AM	11/22/2010
10110702-002B	SB-5		11/22/2010 9:05:00 AM	11/22/2010

STAT Analysis Corporation **Date:** *December 02, 2010*

CLIENT:	AECOM Environmental Group	
Project:	Lynwood Soil Samples, Lynwood, IL	**CASE NARRATIVE**
Lab Order:	10110702	

The metals MS/MSD prepared from sample SB-5 (10110702-002) had Barium recovery outside control limits (135% (MSD) recovery, QC limits 75-125%).

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: December 02, 2010
Date Printed: December 02, 2010

Client: AECOM Environmental Group
Lab Order: 10110702
Project: Lynwood Soil Samples, Lynwood, IL
Lab ID: 10110702-001

Client Sample ID: SB-4
Collection Date: 11/22/2010 8:45:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A			Prep Date: 11/30/2010		Analyst: LB
Mercury	ND	0.028		mg/Kg-dry	1	12/1/2010
Metals by ICP/MS	SW6020 (SW3050B)			Prep Date: 11/24/2010		Analyst: JG
Arsenic	10	1.2		mg/Kg-dry	10	11/29/2010
Barium	140	1.2		mg/Kg-dry	10	11/29/2010
Cadmium	0.62	0.61		mg/Kg-dry	10	11/29/2010
Chromium	21	1.2		mg/Kg-dry	10	11/29/2010
Lead	40	0.61		mg/Kg-dry	10	11/29/2010
Selenium	ND	1.2		mg/Kg-dry	10	11/29/2010
Silver	ND	1.2		mg/Kg-dry	10	11/29/2010
Semivolatile Organic Compounds by GC/MS	SW8270C-SIM (SW3550B)			Prep Date: 11/30/2010		Analyst: VS
Acenaphthene	ND	0.026		mg/Kg-dry	1	11/30/2010
Acenaphthylene	ND	0.026		mg/Kg-dry	1	11/30/2010
Anthracene	ND	0.026		mg/Kg-dry	1	11/30/2010
Benz(a)anthracene	ND	0.026		mg/Kg-dry	1	11/30/2010
Benzo(a)pyrene	ND	0.026		mg/Kg-dry	1	11/30/2010
Benzo(b)fluoranthene	ND	0.026		mg/Kg-dry	1	11/30/2010
Benzo(g,h,i)perylene	ND	0.026		mg/Kg-dry	1	11/30/2010
Benzo(k)fluoranthene	ND	0.026		mg/Kg-dry	1	11/30/2010
Chrysene	ND	0.026		mg/Kg-dry	1	11/30/2010
Dibenz(a,h)anthracene	ND	0.026		mg/Kg-dry	1	11/30/2010
Fluoranthene	ND	0.026		mg/Kg-dry	1	11/30/2010
Fluorene	ND	0.026		mg/Kg-dry	1	11/30/2010
Indeno(1,2,3-cd)pyrene	ND	0.026		mg/Kg-dry	1	11/30/2010
Naphthalene	ND	0.026		mg/Kg-dry	1	11/30/2010
Phenanthrene	ND	0.026		mg/Kg-dry	1	11/30/2010
Pyrene	ND	0.026		mg/Kg-dry	1	11/30/2010
Pentachlorophenol	ND	0.026		mg/Kg-dry	1	11/30/2010
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 11/30/2010		Analyst: DM
4-Chloro-3-methylphenol	ND	0.18		mg/Kg-dry	1	11/30/2010
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	11/30/2010
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	11/30/2010
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	11/30/2010
4,6-Dinitro-2-methylphenol	ND	0.84		mg/Kg-dry	1	11/30/2010
2,4-Dinitrophenol	ND	0.84		mg/Kg-dry	1	11/30/2010
2-Methylphenol	ND	0.18		mg/Kg-dry	1	11/30/2010
4-Methylphenol	ND	0.18		mg/Kg-dry	1	11/30/2010
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	11/30/2010

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
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Date Reported: December 02, 2010
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Client: AECOM Environmental Group
Lab Order: 10110702
Project: Lynwood Soil Samples, Lynwood, IL
Lab ID: 10110702-001

Client Sample ID: SB-4
Collection Date: 11/22/2010 8:45:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **11/30/2010**		Analyst: **DM**
4-Nitrophenol	ND	0.84		mg/Kg-dry	1	11/30/2010
Phenol	ND	0.18		mg/Kg-dry	1	11/30/2010
2,4,5-Trichlorophenol	ND	0.35		mg/Kg-dry	1	11/30/2010
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	11/30/2010
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **11/23/2010**		Analyst: **PS**
Acetone	0.1	0.1		mg/Kg-dry	1	11/29/2010
Benzene	ND	0.0068		mg/Kg-dry	1	11/29/2010
Bromodichloromethane	ND	0.0068		mg/Kg-dry	1	11/29/2010
Bromoform	ND	0.0068		mg/Kg-dry	1	11/29/2010
Bromomethane	ND	0.014		mg/Kg-dry	1	11/29/2010
2-Butanone	ND	0.1		mg/Kg-dry	1	11/29/2010
Carbon disulfide	ND	0.068		mg/Kg-dry	1	11/29/2010
Carbon tetrachloride	ND	0.0068		mg/Kg-dry	1	11/29/2010
Chlorobenzene	ND	0.0068		mg/Kg-dry	1	11/29/2010
Chloroethane	ND	0.014		mg/Kg-dry	1	11/29/2010
Chloroform	ND	0.0068		mg/Kg-dry	1	11/29/2010
Chloromethane	ND	0.014		mg/Kg-dry	1	11/29/2010
Dibromochloromethane	ND	0.0068		mg/Kg-dry	1	11/29/2010
1,1-Dichloroethane	ND	0.0068		mg/Kg-dry	1	11/29/2010
1,2-Dichloroethane	ND	0.0068		mg/Kg-dry	1	11/29/2010
1,1-Dichloroethene	ND	0.0068		mg/Kg-dry	1	11/29/2010
cis-1,2-Dichloroethene	ND	0.0068		mg/Kg-dry	1	11/29/2010
trans-1,2-Dichloroethene	ND	0.0068		mg/Kg-dry	1	11/29/2010
1,2-Dichloropropane	ND	0.0068		mg/Kg-dry	1	11/29/2010
cis-1,3-Dichloropropene	ND	0.0027		mg/Kg-dry	1	11/29/2010
trans-1,3-Dichloropropene	ND	0.0027		mg/Kg-dry	1	11/29/2010
Ethylbenzene	ND	0.0068		mg/Kg-dry	1	11/29/2010
2-Hexanone	ND	0.027		mg/Kg-dry	1	11/29/2010
4-Methyl-2-pentanone	ND	0.027		mg/Kg-dry	1	11/29/2010
Methylene chloride	ND	0.014		mg/Kg-dry	1	11/29/2010
Methyl tert-butyl ether	ND	0.0068		mg/Kg-dry	1	11/29/2010
Styrene	ND	0.0068		mg/Kg-dry	1	11/29/2010
1,1,2,2-Tetrachloroethane	ND	0.0068		mg/Kg-dry	1	11/29/2010
Tetrachloroethene	ND	0.0068		mg/Kg-dry	1	11/29/2010
Toluene	ND	0.0068		mg/Kg-dry	1	11/29/2010
1,1,1-Trichloroethane	ND	0.0068		mg/Kg-dry	1	11/29/2010
1,1,2-Trichloroethane	ND	0.0068		mg/Kg-dry	1	11/29/2010
Trichloroethene	ND	0.0068		mg/Kg-dry	1	11/29/2010

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Date Reported: December 02, 2010
Date Printed: December 02, 2010

Client: AECOM Environmental Group
Lab Order: 10110702
Project: Lynwood Soil Samples, Lynwood, IL
Lab ID: 10110702-001

Client Sample ID: SB-4
Collection Date: 11/22/2010 8:45:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**				Prep Date: **11/23/2010**	Analyst: **PS**
Vinyl chloride	ND	0.0068		mg/Kg-dry	1	11/29/2010
Xylenes, Total	ND	0.02		mg/Kg-dry	1	11/29/2010
Percent Moisture	**D2974**				Prep Date: **11/22/2010**	Analyst: **JP**
Percent Moisture	14.8	0.2	*	wt%	1	11/23/2010

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Date Reported: December 02, 2010
Date Printed: December 02, 2010

Client: AECOM Environmental Group
Lab Order: 10110702
Project: Lynwood Soil Samples, Lynwood, IL
Lab ID: 10110702-002

Client Sample ID: SB-5
Collection Date: 11/22/2010 9:05:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A			Prep Date: 11/30/2010		Analyst: LB
Mercury	ND	0.03		mg/Kg-dry	1	12/1/2010
Metals by ICP/MS	SW6020 (SW3050B)			Prep Date: 11/24/2010		Analyst: JG
Arsenic	8.6	1.1		mg/Kg-dry	10	11/29/2010
Barium	110	1.1		mg/Kg-dry	10	11/29/2010
Cadmium	ND	0.57		mg/Kg-dry	10	11/29/2010
Chromium	18	1.1		mg/Kg-dry	10	11/29/2010
Lead	32	0.57		mg/Kg-dry	10	11/29/2010
Selenium	ND	1.1		mg/Kg-dry	10	11/29/2010
Silver	ND	1.1		mg/Kg-dry	10	11/29/2010
Semivolatile Organic Compounds by GC/MS	SW8270C-SIM (SW3550B)			Prep Date: 11/30/2010		Analyst: VS
Acenaphthene	ND	0.027		mg/Kg-dry	1	11/30/2010
Acenaphthylene	ND	0.027		mg/Kg-dry	1	11/30/2010
Anthracene	ND	0.027		mg/Kg-dry	1	11/30/2010
Benz(a)anthracene	ND	0.027		mg/Kg-dry	1	11/30/2010
Benzo(a)pyrene	ND	0.027		mg/Kg-dry	1	11/30/2010
Benzo(b)fluoranthene	ND	0.027		mg/Kg-dry	1	11/30/2010
Benzo(g,h,i)perylene	ND	0.027		mg/Kg-dry	1	11/30/2010
Benzo(k)fluoranthene	ND	0.027		mg/Kg-dry	1	11/30/2010
Chrysene	ND	0.027		mg/Kg-dry	1	11/30/2010
Dibenz(a,h)anthracene	ND	0.027		mg/Kg-dry	1	11/30/2010
Fluoranthene	ND	0.027		mg/Kg-dry	1	11/30/2010
Fluorene	ND	0.027		mg/Kg-dry	1	11/30/2010
Indeno(1,2,3-cd)pyrene	ND	0.027		mg/Kg-dry	1	11/30/2010
Naphthalene	ND	0.027		mg/Kg-dry	1	11/30/2010
Phenanthrene	ND	0.027		mg/Kg-dry	1	11/30/2010
Pyrene	ND	0.027		mg/Kg-dry	1	11/30/2010
Pentachlorophenol	ND	0.027		mg/Kg-dry	1	11/30/2010
Semivolatile Organic Compounds by GC/MS	SW8270C (SW3550B)			Prep Date: 11/30/2010		Analyst: DM
4-Chloro-3-methylphenol	ND	0.18		mg/Kg-dry	1	11/30/2010
2-Chlorophenol	ND	0.18		mg/Kg-dry	1	11/30/2010
2,4-Dichlorophenol	ND	0.18		mg/Kg-dry	1	11/30/2010
2,4-Dimethylphenol	ND	0.18		mg/Kg-dry	1	11/30/2010
4,6-Dinitro-2-methylphenol	ND	0.86		mg/Kg-dry	1	11/30/2010
2,4-Dinitrophenol	ND	0.86		mg/Kg-dry	1	11/30/2010
2-Methylphenol	ND	0.18		mg/Kg-dry	1	11/30/2010
4-Methylphenol	ND	0.18		mg/Kg-dry	1	11/30/2010
2-Nitrophenol	ND	0.18		mg/Kg-dry	1	11/30/2010

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Date Reported: December 02, 2010
Date Printed: December 02, 2010

Client: AECOM Environmental Group
Lab Order: 10110702
Project: Lynwood Soil Samples, Lynwood, IL
Lab ID: 10110702-002

Client Sample ID: SB-5
Collection Date: 11/22/2010 9:05:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Semivolatile Organic Compounds by GC/MS	**SW8270C (SW3550B)**			Prep Date: **11/30/2010**		Analyst: **DM**
4-Nitrophenol	ND	0.86		mg/Kg-dry	1	11/30/2010
Phenol	ND	0.18		mg/Kg-dry	1	11/30/2010
2,4,5-Trichlorophenol	ND	0.36		mg/Kg-dry	1	11/30/2010
2,4,6-Trichlorophenol	ND	0.18		mg/Kg-dry	1	11/30/2010
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **11/23/2010**		Analyst: **PS**
Acetone	ND	0.087		mg/Kg-dry	1	11/29/2010
Benzene	ND	0.0058		mg/Kg-dry	1	11/29/2010
Bromodichloromethane	ND	0.0058		mg/Kg-dry	1	11/29/2010
Bromoform	ND	0.0058		mg/Kg-dry	1	11/29/2010
Bromomethane	ND	0.012		mg/Kg-dry	1	11/29/2010
2-Butanone	ND	0.087		mg/Kg-dry	1	11/29/2010
Carbon disulfide	ND	0.058		mg/Kg-dry	1	11/29/2010
Carbon tetrachloride	ND	0.0058		mg/Kg-dry	1	11/29/2010
Chlorobenzene	ND	0.0058		mg/Kg-dry	1	11/29/2010
Chloroethane	ND	0.012		mg/Kg-dry	1	11/29/2010
Chloroform	ND	0.0058		mg/Kg-dry	1	11/29/2010
Chloromethane	ND	0.012		mg/Kg-dry	1	11/29/2010
Dibromochloromethane	ND	0.0058		mg/Kg-dry	1	11/29/2010
1,1-Dichloroethane	ND	0.0058		mg/Kg-dry	1	11/29/2010
1,2-Dichloroethane	ND	0.0058		mg/Kg-dry	1	11/29/2010
1,1-Dichloroethene	ND	0.0058		mg/Kg-dry	1	11/29/2010
cis-1,2-Dichloroethene	ND	0.0058		mg/Kg-dry	1	11/29/2010
trans-1,2-Dichloroethene	ND	0.0058		mg/Kg-dry	1	11/29/2010
1,2-Dichloropropane	ND	0.0058		mg/Kg-dry	1	11/29/2010
cis-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	11/29/2010
trans-1,3-Dichloropropene	ND	0.0023		mg/Kg-dry	1	11/29/2010
Ethylbenzene	ND	0.0058		mg/Kg-dry	1	11/29/2010
2-Hexanone	ND	0.023		mg/Kg-dry	1	11/29/2010
4-Methyl-2-pentanone	ND	0.023		mg/Kg-dry	1	11/29/2010
Methylene chloride	ND	0.012		mg/Kg-dry	1	11/29/2010
Methyl tert-butyl ether	ND	0.0058		mg/Kg-dry	1	11/29/2010
Styrene	ND	0.0058		mg/Kg-dry	1	11/29/2010
1,1,2,2-Tetrachloroethane	ND	0.0058		mg/Kg-dry	1	11/29/2010
Tetrachloroethene	ND	0.0058		mg/Kg-dry	1	11/29/2010
Toluene	ND	0.0058		mg/Kg-dry	1	11/29/2010
1,1,1-Trichloroethane	ND	0.0058		mg/Kg-dry	1	11/29/2010
1,1,2-Trichloroethane	ND	0.0058		mg/Kg-dry	1	11/29/2010
Trichloroethene	ND	0.0058		mg/Kg-dry	1	11/29/2010

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Client: AECOM Environmental Group
Lab Order: 10110702
Project: Lynwood Soil Samples, Lynwood, IL
Lab ID: 10110702-002

Client Sample ID: SB-5
Collection Date: 11/22/2010 9:05:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **11/23/2010**		Analyst: **PS**
Vinyl chloride	ND	0.0058		mg/Kg-dry	1	11/29/2010
Xylenes, Total	ND	0.017		mg/Kg-dry	1	11/29/2010
Percent Moisture	**D2974**			Prep Date: **11/22/2010**		Analyst: **JP**
Percent Moisture	17.4	0.2	*	wt%	1	11/23/2010

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CHAIN OF CUSTODY RECORD

№: 834764 Page: ____ of ____

Company: AECOM
Project Number: Client Tracking No.:
Project Name: Lynwood Soil Samples
Project Location: Lynwood, IL
Sampler(s): Bryan & Williams
Report To: Bryan & Williams Phone:
Steve Newlin Fax:
QC Level: 1 ___ 2 ___ 3 ___ 4 ___ e-mail:

P.O. No.:
Quote No.:

Turn Around: Standard TAT
Results Needed: am/pm

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	VOCs	SVOCs	RCRA Metals	Remarks	Lab No.:
SB-4	11/22/10	8:45	Soil		X		4	X	X	X		001
SB-5	11/22/10	9:05	Soil		X		4	X	X	X		002

Relinquished by: (Signature) [signature]	Date/Time: 11/22/10 10:26	
Received by: (Signature) [signature]	Date/Time: 11/22/10 10:26	
Relinquished by: (Signature)	Date/Time:	
Received by: (Signature)	Date/Time:	
Relinquished by: (Signature)	Date/Time:	
Received by: (Signature)	Date/Time:	

Comments:

Preservation Code: A = None B = HNO_3 C = NaOH D = H_2SO_4 E = HCl F = 5035/EnCore G = Other

Laboratory Work Order No.: 10110702
Received on Ice: Yes ☒ No ☐
Temperature: 4.5 °C

STAT Analysis Corporation

Sample Receipt Checklist

Client Name AECOM

Date and Time Received: 11/22/2010 10:26:00 AM

Work Order Number 10110702

Received by: DJ

Checklist completed by: Signature Date 11/22/10

Reviewed by: Initials CG Date 11/22/10

Matrix: Carrier name: Client Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels/containers?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container or Temp Blank temperature in compliance?	Yes ☑	No ☐	Temperature 4.5 °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☒	Yes ☐	No ☐
Water - Samples pH checked?	Yes ☐	No ☒	Checked by:
Water - Samples properly preserved?	Yes ☐	No ☒	pH Adjusted?

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

Comments:

Client / Person contacted: Date contacted: Contacted by:

Response:

Illinois Environmental Protection Agency

Uncontaminated Soil Certification
By Licensed Professional Engineer
LPC-663

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

1. SOURCE LOCATION INFORMATION

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

Project name: CCHD - Joe Orr Road Office phone #, if available: _____

Physical Site Location (Street, Road): Joe Orr Road and Torrence Avenue (with exceptions to stations on attached letter)

City: Lynwood State:- Illinois Zip Code: 60411

County: Cook Township: _____

Latitude and Longitude of approximate center of site to five decimal places (e.g., 90.12345N 40.67890W): _____

IEPA Site #s (if assigned): BOL: N/A BOW: N/A BOA: N/A

2. OWNER/OPERATOR INFORMATION FOR SOURCE SITE

SITE OWNER

Name: Cook County Highway Department
Address: 69 W. Washington, Suite 2100
City: Chicago State: IL Zip: 60602
Contact Name: Holly Cichy
Phone #: (312) 603-1613
Email, if available: holly.cichy@cookcountyil.gov
Site Owner Signature _____

SITE OPERATOR

Name: _____
Address: _____
City: _____ State: ___ Zip: _____
Contact Name: _____
Phone #: _____
Email, if available: _____
Site Operator Signature _____

UNCONTAMINATED SOIL CERTIFICATION

3. BASIS FOR CERTIFICATION & ATTACHMENTS

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

attached laboratory data

Attachments: (check all that apply)

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

4. PROFESSIONAL ENGINEER'S STATEMENT, SIGNATURE & SEAL

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

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

Engineer Company Name: AECOM

Engineer Address: 750 Corporate Woods Parkway
Vernon Hills, Illinois 60061

Engineer Phone No.: 847-279-2500

Tony A. Kiefer
Professional Engineer Signature

6/23/2011
Date

TONY A. KIEFER
Printed Name

P.E. Seal:

TONY A. KIEFER
062-045312
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

Expires 11/2011

Illinois Environmental Protection Agency

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Phone #: (312) 603-1613
Email, if available: holly.cichy@cookcountyil.gov
Site Owner Signature ____

SITE OPERATOR

Name: ____
Address: ____
City: ____ State: ____ Zip: ____
Contact Name: ____
Phone #: ____
Email, if available: ____
Site Operator Signature ____

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Engineer Company Name: AECOM
Engineer Address: 750 Corporate Woods Parkway
Vernon Hills, Illinois 60061
Engineer Phone No.: 847-279-2500

Tony A. Kiefer
Professional Engineer Signature

6/23/2011
Date

TONY A. KIEFER
Printed Name

P.E. Seal: TONY A. KIEFER 062-045312 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

Expires 11/2011

SPECIAL PROVISION
FOR
MANAGING CONCRETE WASTE

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

Construction. Perform this work on projects where;

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

Requirements.

- No discharge of water/lime slurry will be allowed to enter "waters of the state".

"Waters of the state" - all rivers, streams, lakes and other bodies of surface and subsurface water lying within the boundaries of the state which are not entirely confined and located completely upon lands owned, leased or otherwise controlled by a single person or entity.

- The slurry shall not be discharged to drainage ways, non-vegetated areas or anywhere storm water runoff is likely to occur.

- Discharge of the slurry should be stopped

  at least 25 feet from creeks and rivers on slopes less than 12 percent.
  at least 50 feet on slopes 12 percent to 25 percent in areas with healthy vegetation on the road right of way.
  at least 12 feet from the bottom of all ditches.

- On sites where there is sparse or no vegetation to control the movement of the slurry, alternatives that may be used include:

  Pump the slurry into tankers and hauled to an area where it can be spread as a lime supplement. This method will require additional tankers and land close to the project site.
  Incorporate the slurry into the soil on the right of way next to the road where it will not impact waters of the state, highway or shoulders.

- The Resident Engineer must approve any other method of application or use of the slurry. The design engineer should be contacted for guidance on the use of alternative methods.

- Precautions must be taken at all times to prevent the slurry from entering the waters of the state. Should improper application occur which may result in a discharge of lime slurry to the waters of the state, the contractor shall immediately remove the slurry and notify the Resident Engineer.

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

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

For onsite washout:

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

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

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

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

For Onsite Temporary Concrete Washout Facility:

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

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

Inspection and Maintenance.

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

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

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

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

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

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

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

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

SPECIAL PROVISION
FOR
DOWEL BARS

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

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

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

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

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

Definitions.

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

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

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

1030.05(d) (3) add the following:

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

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

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

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

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

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

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

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

SPECIAL PROVISION
FOR
HOT-MIX ASPHALT – PLANT TEST FREQUENCY

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

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

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

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

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

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

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

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

SPECIAL PROVISION
FOR
HOT-MIX ASPHALT –TRANSPORTATION

Revise Article 1030.08 of the Standard Specifications to read:

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

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

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

2) The weather is inclement.

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

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

SPECIAL PROVISION
FOR
SOILS INFORMATION

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

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

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

SPECIAL PROVISION
FOR
EMBANKMENT

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

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

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

SPECIAL PROVISION
FOR
CRUSHED STONE (TEMPORARY USE)

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

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

SPECIAL PROVISION
FOR
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
LANDSCAPING

Landscaping

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

SPECIAL PROVISION
FOR
CUTTING HOT-MIX ASPHALT SURFACE

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

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

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

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

SPECIAL PROVISION
FOR
TREATMENT OF CRACKS

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

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

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

SPECIAL PROVISION
FOR
TEMPORARY BY-PASS PAVEMENT

Description. This work shall consist of furnishing and placing a Temporary By-Pass Pavement providing sufficient pavement width to accommodate routing of traffic during construction. This additional by-pass pavement, plus that portion of the existing pavement to be used for traffic during construction shall be surfaced with 1-1/2 In. of Hot-Mix Asphalt Surface Course, Mix "D", IL-9.5, N50 before the By-Pass pavement becomes operational. At the direction of the Engineer, Bituminous Materials (Prime Coat) and Aggregate (Prime Coat) may be applied to the by-pass pavement before resurfacing. Items have been included in the Summary of Quantities for this work. Under no circumstances should Polymerized Leveling Binder be used for this purpose. In addition, the Engineer retains the discretion to limit the resurfacing to only the by-pass pavement as circumstances dictate such as when temporary by-pass pavement is placed adjacent to a newly constructed Hot-Mix-Asphalt surface.

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

1) Temporary Pavement (HMA Binder, IL-19.0), 9 In.

2) P.C. Concrete Base Course, 6 In.

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

Basis of Payment. This work shall be paid for at the contract unit price per Square Yard for Temporary By-Pass Pavement, which shall include payment in full for the necessary excavation, grading and maintenance of the by-pass road while in operation, including that portion of the existing roadway serving as by-pass pavement and the subsequent removal of the new temporary by-pass pavement; per Ton for Hot-Mix Asphalt Surface Course, Mix "D", IL-9.5, N50; per Gallon for Bituminous Materials (Prime Coat); and per Ton for Aggregate (Prime Coat).

SPECIAL PROVISION
FOR
PRECAST CONCRETE JUNCTION CHAMBERS

Description. This work shall consist of the construction of junction chamber of precast reinforced concrete, together with the necessary precast reinforced concrete risers, steps, cast iron frames and grates or lids, manufactured and installed in place, at the locations shown on the plans, as herein specified, and as directed by the Engineer.

Construction Requirements. The precast reinforced concrete junction chamber shall conform to the applicable requirements of Section 504 and 602 of the Standard Specifications and as herein specified. The precast reinforced concrete sections shall be constructed, sealed and installed with sand cushion in accordance to Article 602.07 of the Standard Specifications. Precast reinforced concrete risers, when required, shall conform to the requirements of AASHTO M199 and shall have a minimum thickness of 150 mm (6 inches).

Frames and grates or lids shall conform to the requirements of Articles 1006.15 and 604 of the Standard Specifications. Steps shall be cast gray iron conforming to Articles 1006.14 and 602.08 of the Standard Specifications and shall be embedded into the wall a minimum of 75 mm (3 inches) and shall not be extended on the outside. Steps shall be omitted when the depth of the junction chamber is 1.5 m (5 feet) or less.

Shop drawings for the precast reinforced concrete junction chamber shall be submitted by the Contractor to the Engineer for approval, on sheets 594 mm by 841 mm (24 inches by 36 inches) in size, in accordance with the requirements of Article 504.04(a) of the Standard Specifications. Design calculations for the precast reinforced concrete junction chamber shall also be submitted by the Contractor for approval.

The shop drawings shall be signed and sealed by an Illinois Licensed Structural Engineer, certifying that the precast reinforced concrete junction chamber design is structurally adequate for the design loading shown on the plans. The design shall be in accordance with the most current AASHTO specifications for the Design of Highway Bridges considering all load types and combinations.

The excavation and backfilling for the precast reinforced concrete junction chamber shall be in accordance with the requirements of Article 602.11 of the Standard Specifications.

Newly constructed junction chambers shall be cleaned of any accumulation of silt, debris, or foreign matter of any kind, and shall be free of accumulations at the time of final inspection.

Basis of Payment. This work will be paid for at the contract unit price each for Precast Concrete Junction Chambers of the number specified, which price shall include all excavation and backfill (except excavation in rock) and furnishing and installing the specified frames and grates or lids, steps, precast concrete risers, sand cushion and the entire structure complete in place. The cost of the customized grating will be paid separately.

The cost of furnishing the required shop drawings and design calculations shall be included in the contract unit price each for Precast Concrete Junction Chambers. The Contractor shall bear all risk and delay caused by non-approval of the drawings.

SPECIAL PROVISION
FOR
JUNCTION CHAMBER

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

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

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

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

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

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

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

SPECIAL PROVISION
FOR
CONNECTING EXISTING FIELD DRAIN TILE

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

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

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

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

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

SPECIAL PROVISION
FOR
PLUGGING EXISTING DRAINS AND SEWERS

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

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

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

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

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

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

SPECIAL PROVISION
FOR
BLOCKING EXISTING DRAINS AND SEWERS

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

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

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

SPECIAL PROVISION
FOR
FILLING EXISTING MANHOLES (SPECIAL)
FILLING EXISTING CATCH BASINS (SPECIAL)
FILLING EXISTING INLETS (SPECIAL)

Description. Where indicated in the plans and as detailed in Cook County Highway Standards A-79 and A-79A, Filling of Existing Manholes, Catch Basins or Inlets (Special) is to be done in such a manner so as to maintain flow between the outlet of the filled structure and any upstream structure, either existing or proposed.

This shall be accomplished by removing the walls of the structure to a level one foot below the existing outlet pipe, filling and compacting any remaining void below this level with sand and installing a storm sewer through the area previously occupied by the removed structure. Trench backfill shall then be placed over the pipe to the subgrade elevation.

The storm sewer pipe for connection through the filled structure shall be a minimum Class IV pipe and the same diameter as the outlet pipe but no less than 12 inches in diameter. For construction purposes a length of five (5) feet of the appropriately sized pipe shall be included in this pay item.

Basis of Payment. This work will be paid for at the contract unit price each for Filling Existing Manholes (Special), Filling Existing Inlets (Special), Filling Existing Catch Basins (Special) or which price shall include all labor, materials, backfill and a five (5) foot length of storm sewer pipe at each location.

SPECIAL PROVISION
FOR
MANHOLES, TYPE A, WITH RESTRICTOR PLATES, FRAMES AND LIDS

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

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

Basis of Payment. This work will be paid for at the contract unit price per each for Manholes, Type A, ___Ft. Dia. with Restrictor Plates, Frames and Lids, which price will be payment in full for all work and materials including restrictor plate, frame and lid, excavation, backfill, and labor.

SPECIAL PROVISION
FOR
LIDS AND FRAMES AND LIDS

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

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

SPECIAL PROVISION
FOR
FLARED END SECTIONS TO BE REMOVED, FLARED END SECTIONS TO BE RELOCATED

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

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

SPECIAL PROVISION
FOR
BRACING AND SHEETING

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

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

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

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

SPECIAL PROVISION
FOR
PAVEMENT REPLACEMENT

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

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

Construction Requirements.

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

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

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

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

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

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

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

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

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

SPECIAL PROVISION
FOR
COOPERATION WITH UTILITIES

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

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

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

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

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

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

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

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

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

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

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

STATUS OF UTILITIES
UTILITIES TO BE ADJUSTED
JOE ORR ROAD (RELOCATED)
EAST OF STONY ISLAND AVENUE TO TORRENCE AVENUE
SECTION: 09-B6736-03-RP

Name & Address Of Utility Company	Type	Estimated Date Of Completion
Nicor Gas Company 1844 Ferry Road Naperville, IL 60563 Attn: Constance Lane Utility Consultant (630) 388-3830 (630) 983-0639 (Fax) clane@nicor.com	8" gas main 36' to 28' LT along Torrence Avenue, Sta. 194+00 to Sta. 202+00. 8" gas main 59' to 66' LT along Torrence Avenue, Sta. 201+10 to Sta. 217+50. 8" gas main 49' to 47' LT along Torrence Avenue, Sta. 217+50 to Sta. 231+50 12" gas main 38' to 43' LT along Joe Orr Road (existing), Sta. -3+70 to Sta. 308+13. 4" gas main 47' to 63' LT along Joe Orr Road (existing), Sta. 5+80 to Sta. 308+13. 4" gas main crossing Torrence Avenue at Sta. 218+76. 6" gas main crossing Torrence Avenue at Sta. 227+27. 4" gas main crossing Torrence Avenue at Sta. 231+12.	

AT&T 1000 Commerce Drive, Floor 2 Oakbrook, IL 60523 Attn: Bob Elsinga (630) 573-5661 (630) 573-5576 (Fax) (708) 822-0876 (Cell) re7854@att.com cc: David Phelps (630) 573-6464	Buried 7x4 duct 41' to 53' LT along Joe Orr Road (existing), Sta. -3+70 to Sta. 308+13. Buried 7x4 duct 23' to 13' LT along Torrence Avenue, Sta. 194+00 to Sta. 219+00. Buried 7x4 duct 56' to 46' LT along Torrence Avenue, Sta. 219+00 to Sta. 227+50. Buried cable crossing Torrence Avenue at Sta. 213+23. Buried cable crossing Torrence Avenue at Sta. 218+79. Buried cable crossing Torrence Avenue at Sta. 218+86. Buried cable crossing Torrence Avenue at Sta. 223+13. Buried cable crossing Torrence Avenue at Sta. 225+93. Buried cable crossing Torrence Avenue at Sta. 230+44.	
Commonwealth Edison Company 25000 S. Governors Highway University Park, IL 60466 Attn: Ilyas Mohiuddin (708) 235-2692 (708) 235-2666 (Fax) ilyas.mohiuddin@comed.com cc: James Torres (312) 394-3260 James.torres@comed.com David Stoppelman (630) 576-7092 david.stoppelman@comed.com	Utility poles and aerial cables along south side of Joe Orr Road (existing), Sta. -3+50 to Sta. 308+13. Utility poles and aerial cables along west side of Torrence Avenue,Sta. 192+00 to Sta. 231+50. Utility poles and aerial cables along east side of Torrence Avenue,Sta. 208+15 to Sta. 214+37.	

Metropolitan Water Reclamation District of Greater Chicago 100 E. Erie Street Chicago, IL 60611 Attn: Kenneth Kits Director of Engineering (312) 751-7905 Kenneth.kits@mwrd.org	36" sewer along south side Joe Orr Road (existing), Sta. -3+50 to Sta. 308+13. 24" sewer along east side Torrence Avenue, Sta. 219+20 to Sta. 226+50. 24" sewer crossing Torrence Avenue, Sta. 218+20 to Sta. 219+20.	
Comcast 688 Industrial Drive Elmhurst, IL 60126 Attn: Robert Schulter Right-of-Way Manager (630) 600-6347 (630) 600-6390 (Fax) Bob_Schulter@cable.comcast.com	Buried cables along north side Joe Orr Road (existing), Sta. 304+00 to 308+13. Aerial cables attached to ComEd poles along west side Torrence Avenue, Sta. 192+00 to Sta. 231+50.	
Illinois Department of Transportation 201 West Center Court Schaumburg, IL 60196-1096 Attn: Steve Rosato (847) 705-4258 (847) 705-4597 (F) Steve.rosato@illinois.gov		
Village of Lynwood 21460 Lincoln Highway Lynwood, IL 60411 Attn: Bob Myers Director of Public Works (708) 758-8434 (708) 758-1867 (Fax) (708) 935-5900 (Cell) bmyers@lynwoodil.us	12" water main along north side Joe Orr Road (existing),Sta. -3+50 to Sta. 308+13. 12" water main crossing Torrence Avenue at Sta. 218+30.	

Heig Village of Ford hts 1343 Ellis Avenue Ford Heights, IL 60411 Attn: Rufus Fisher Director of Public Works (708) 758-3131 (708) 758-7602 (Fax)	No utilities within construction limits.	

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

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

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

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

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

The Contractor is to notify the Northwest Water Commission at 847-635-0777 48 hours prior to start of traffic signal work at the intersection of Arlington Heights Road and Bernard Drive/Nicholas oad.

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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
FIRE HYDRANTS VERTICAL ADJUSTMENT

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

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

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

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

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

SPECIAL PROVISION
FOR
SANITARY SEWER INSTALLATION

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

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

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

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

Vitrified Clay Pipes equipped with a compression type joint of preformed plastic or rubber materials having resilient properties and conforming to all requirements of A.S.T.M. Specification C-425.

Iron Pipes equipped with rubber gasket mechanical joints conforming to the requirements set forth in American Water Works Association (A.W.W.A.): Specification C-111.

Reinforced Concrete Sewer and Asbestos Cement Pipes equipped with a compression type rubber gasket joint which will remain tight under all conditions and shall conform to Article 1056.01 of the Standard Specifications.

All joints shall be cleaned and inspected immediately preceding installation and, any pipe whose joint has been determined unsatisfactory shall be removed from the job site. All joints shall be installed and made in conformance with the latest manufacturers' recommendations and shall be subject to approval by the Engineer.

Pipe Bedding. Bedding, shall consist of gravel, crushed gravel, pea gravel, crushed stone or crushed slag, ¼ inch to ¾ inch in size. As a minimum, the material shall conform to the requirements of Article 1004.01 of the "Standard Specifications for Road and Bridge Construction", of the State of Illinois or ASTM C-33. The gradation shall conform to gradation CA 7, CA 8, CA 11 or CA 13 of the Illinois Standard Specifications or to ASTM Gradation No. 67. The pipe shall be laid so that it will be uniformly supported and the entire length of the pipe barrel will have full bearing. No blocking of any kind shall be used to adjust the pipe to grade except when used with embedment concrete. Bedding shall be required for all sewer construction and shall be of a minimum thickness equal to 1/4th of the outside diameter of the sewer pipe but shall not be less than six inches.

Maximum Allowable Infiltration:

The maximum allowable rate of infiltration or exfiltration shall not exceed 200 gallons per twenty-four (24) hours per mile per inch-diameter of the sewer pipe, for any section of the system and at any time during its service life.

Pipe Materials. Pipe shall be produced of the material specified and manufactured in strict adherence to applicable A.S.T.M., ASA or other applicable standardizing agency specifications and meeting all requirements of strength, and alignment tolerances as set forth in said specifications.

Inspection. Any section of the sewer failing to meet the requirements set forth in this Special Provision upon inspection by the Engineer, shall be repaired and/or replaced at the Contractor's expense. Any testing which may be required shall be done at the Contractor's expense upon request of the Engineer.

Basis of Payment. This work shall be paid for at the contract unit prices per foot for VITRIFIED CLAY PIPE SANITARY SEWERS (AASHTO M-65); EXTRA STRENGTH CLAY PIPE SANITARY SEWERS (AASHTO M-65); DUCTILE IRON PIPE SANITARY SEWERS (AWWA C-151) or REINFORCED CONCRETE PIPE SANITARY SEWERS (AASHTO M-170) of the size designated, which price shall include all labor, material and equipment necessary for excavating, bedding, installing, jointing and backfilling the sewer as herein specified.

SPECIAL PROVISION
FOR
SANITARY MANHOLES

Description. This work shall consist of constructing sanitary manholes with frames and grates or lids in accordance with Section 602 of the Standard Specifications and as shown on the plans.

The manholes frame-chimney joint area and the entire chimney area shall be sealed with flexible, watertight seals or chimney seals. The cast iron cover shall be watertight and shall be labeled "Sanitary" with 2 inch raised letters. Inlet and outlet pipes shall be provided with rubber gasketed couplings conforming to ASTM C-923.

Basis of Payment. This work will be paid for at the contract unit price each for Sanitary Manholes with the type and diameter specified, which price shall include all frames, grates, lids, sand cushion, steps and flat slab tops, and all excavation and backfilling, except excavation in rock.

SPECIAL PROVISION
FOR
WATERPROOFING OF SANITARY MANHOLES

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

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

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

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

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

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

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

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

SPECIAL PROVISION
FOR
PRECAST CONCRETE HANDLING HOLES (IL)

Add the following to Article 540.02 of the Standard Specifications:

"(g) Handling Hole Plugs.....1042.16"

Add the following paragraph after the sixth paragraph of Article 540.06 of the Standard Specifications:

"Handling holes shall be filled with a precast concrete plug and sealed with mastic or mortar, or filed with a polyethylene plug. The plug shall not project beyond the inside surface after installation. When metal lifting inserts are used, their sockets shall be filled with mastic or mortar."

Add the following to Article 542.02 of the Standard Specifications:

"(ee) Handling Hole Plugs.....1042.16"

Revise the fifth paragraph of Article 542.04(d) of the Standard Specifications to read:

"Handling holes in concrete pipe shall be filled with a precast concrete plug and sealed with mastic or mortar; or filled with a polyethylene plug. The plug shall not project beyond the inside surface after installation."

Add the following to Article 550.02 of the Standard Specifications:

"(o) Handling Hole Plugs.....1042.16"

Replace the fourth sentence of the fifth paragraph of Article 550.06 of the Standard Specifications with the following:

"Handling holes in concrete pipe shall be filled with a precast concrete plug and sealed with mastic or mortar; or filled with a polyethylene plug. The plug shall not project beyond the inside surface after installation."

Add the following to Article 602.02 of the Standard Specifications:

"(p) Handling Hole Plugs.....1042.16(a)"

Replace the fifth sentence of the first paragraph of Article 602.07 of the Standard Specifications with the following:

"Handling holes shall be filed with a precast concrete plug and sealed with mastic or mortar. The plug shall not project beyond the inside surface after installation. When metal lifting inserts are used, their sockets shall be filled with mastic or mortar."

Add the following to Section 1042 of the Standard Specifications:

"1042.16 Handling Hole Plugs. Plugs for handling holes in precast concrete products shall be as follows:

Precast Concrete Plug. The precast concrete plug shall have a tapered shape and shall have a minimum compressive strength of 3000 psi (20,000 kPa) at 28 days.

Polyethylene Plug. The polyethylene plug shall have a "mushroom" shape with a flat round top and a stem with three different size ribs. The plug shall fit snuggly and cover the handling hole.

The plug shall be according to the following:

Mechanical Properties	Test Method	Value (min.)
Flexural Modulus	ASTM D 790	3300 psi (22,750 kPa)
Tensile Strength (Break)	ASTM D 638	1600 psi (11,030 kPa)
Tensile Strength (Yield)	ASTM D 638	1200 psi (8270 kPa)

Thermal Properties	Test Method	Value (min.)
Brittle Temperature	ASTM D 746	- 49 °F (- 45 °C)
Vicat Softening Point	ASTM D 1525	194 °F (90 °C)

SPECIAL PROVISION
FOR
INLET FILTER CLEANING

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

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

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

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

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

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

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

SPECIAL PROVISION
FOR
EROSION CONTROL DEFICIENCY DEDUCTION

Revise Article 105.03(a) of the Standard Specifications to read:

"(a) Erosion and Sediment Control Deficiency Deduction. When the Engineer is notified or determines an erosion and/or sediment control deficiency(s) exists, he/she will notify and direct the Contractor to correct the deficiency within a specified time. The specified time, which begins upon notification to the Contractor, will be from 1/2 hour to 1 week based on the urgency of the situation and the nature of the deficiency. The Engineer will be the sole judge.

A deficiency may be any lack of repair, maintenance, or implementation of erosion and/or sediment control devices included in the contract, or any failure to comply with the conditions of the National Pollutant Discharge Elimination System (NPDES) Storm Water Permit for Construction Site Activities. A deficiency may also be applied to situations where corrective action is not an option such as the failure to participate in a jobsite inspection of the project, failure to install required measures prior to initiating earth moving operations, disregard of concrete washout requirements, or other disregard of the NPDES permit.

If the Contractor fails to correct a deficiency within the specified time, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency exists. The calendar day(s) will begin with notification to the Contractor and end with the Engineer's acceptance of the correction. The daily monetary deduction will be either $1000.00 or 0.05 percent of the awarded contract value, whichever is greater. For those deficiencies where corrective action was not an option, the monetary deduction will be immediate and will be valued at one calendar day.

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

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

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

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

A Sediment and Erosion Control Inspection Report will be completed once a week and after every ½ inch rainfall (5 inch snowfall event) by the Resident Engineer. All directions to the Contractor for required repairs/maintenance/installation of erosion and sediment control or any other necessary BMPs will be included in the report. The Contractor will sign the report to confirm his/her receipt of a copy.

If any required repairs/maintenance/installation of sediment and erosion control or any other BMPs are not completed by the Contractor or Subcontractors within the time specified by the Engineer (time will vary from 1/2 hour to 1 week based on the urgency of the situation and the nature of the deficiency. The Engineer will be the sole judge), the Resident Engineer shall complete and submit an Incidence of Non-compliance (ION) form to the Illinois Environmental Protection Agency.

Basis of Payment. Temporary erosion control items have been included in the Summary of Quantities. Additional items not included in the Summary of Quantities, but deemed necessary by the Resident Engineer to fulfill the requirements of the NPDES Permit and this Special Provision will be paid for according to Article 109.04 of the State Standard Specifications for Road and Bridge Construction.

Following is the list of documents that comprise the Special Provision for NPDES:

Permit Coverage Letter – Ilr40085 (1 Page)
General NPDES Permit Ilr40 (2 Pages)
General NPDES Permit Ilr10 (10 Pages)
Contractor Certification Statement (1 Page)
Erosion and Sediment Control Inspection Checklist (1 Page)
Erosion/Sediment Control Inspection Report (1 Page)

IEPA Incidence of Non-Compliance Form (1 Page)
Storm Water Pollution Plan Signed by Superintendent (5 Pages)

Illinois Environmental Protection Agency

1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276, 217-782-3397
James R. Thompson Center, 100 West Randolph, Suite 11-300, Chicago, Il 60601, 312-814-6026
Rod R. Blagojevich, Governor Renee Cipriano, Directo , 217-782 – 0610

2/9/20

Cook County Highway Dept
69 W Washington St Ste 2100 Chicago, Il. 60602

Re: Cook County Highway Dept - Municipal Separate Storm Sewer System
Npdes Permit No. Ilr400485
County: Cook
Notice Of Coverage Under General Permit

Dear NPDES Permittee:

We have received your Notice of Intent and have determined that storm water discharges from your municipal separate storm sewer system are appropriately covered by the attached NPDES general permit issued by the Agency.

The permit as issued covers Notice of Intent requirements, storm water management programs, and monitoring, recordkeeping and reporting requirements. Attached is an Annual Inspection Form that you must complete and submit to the Agency by the first day of June for each year that this permit is in effect.

Failure to meet any portion of the permit could result in civil and/or criminal penalties. The Agency is ready and willing to assist you in interpreting any of the conditions of the permit as they relate to your municipal separate storm sewer system.

Your municipal storm sewer system was automatically covered by this permit 30 days after your Notice of Intent application pursuant to the General Storm Water Permit for MS4's, Part I. Coverage Under This Permit, D. 3. The Agency realizes that you may have implemented part of your program, however, we have reviewed your application for any deficiencies and applicability of the general permit versus an individual permit. The final determination is that the general permit is applicable to your system.

This letter shows your permit number below your name. Please reference this number in all future correspondence. Should you have any questions concerning the permit, please contact the Permit Section at (217) 782-0610.

Very truly yours,

Alan Keller

Alan Keller, P. E.

Manager, Permit Section
Division of Water Pollution Control

Enclosure

AK:MED:\MS4 Coverage Letter

cc: Records Unit
Des_Plaines

Rockrodrd P022I Nortth Main. Street, Rockford, IL 61103 -(815) 987-7760 •
Des Plaines-9511 W. Harrison St., Des Plaines, IL 60016-(847) 294-4000
Elgin - 595 South State, Elgin, Il 60123 - (847) 608-3131•
Peoria - 5415 N. University St., Peoria, Il 61614 - (309) 693-5463
Bureau Of Land - Peoria - 7620 N. University St., Peoria, Il 61614 - (309) 693-5462 • Champaign - 2125 South First Street, Champaign, Il 61820 - (217) 278-58c
Springfield - 4500 S. Sixth Street Rd., Springfield, Il 62706 - (217) 786-6892 •
Collinsville - 2009 Mall Street, Collinsville, Il 62234 - (618) 346-5120
Marion - 2309 W. Main St., Suite 116, Marion, Il 62959 - (618) 993-7200
Printed On Recycled Paper

General Npdes Permit No. IIR40
Contents of this General Permit
Part I. Coverage Under This Permit
Part II. Notice of Intent Requirements
Part III. Special Conditions
Part IV. Storm Water Management Programs
Part V. Monitoring, Recordkeeping and Reporting
Part Vi. Definitions and Acronyms
Attachment H. Standard Conditions

PART I. Coverage Under This Permit

1) Permit Area

This permit covers all areas of the State of Illinois.

2) Eligibility_

a) This permit authorizes discharges of storm water from small municipal separate storm sewer systems (MS4s) as defined in 40 CFR 122.26(b)(16) as designated for permit authorization pursuant to 40 CFR 122.32.

b) This permit authorizes the following non-storm water discharges provided they have been determined not to be substantial contributors of pollutants to a particular small MS4 applying for coverage under this permit:

i) water line and fire hydrant flushing,

ii) landscape irrigation water,

iii) rising ground waters,

iv) ground water infiltration,

v) pumped ground water,

vi) discharges from potable water sources,

vii) foundation drains,

viii) air conditioning condensate,

ix) irrigation water, (except for wastewater irrigation),

x) springs,

xi) water from crawl space pumps,

xii) footing drains,

xiii) storm sewer cleaning water,

xiv) water from individual residential car washing,

xv) routine external building washdown which does not use detergents,

xvi) flows from riparian habitats and wetlands,

xvii) dechlorinated pH neutral swimming pool discharges,

xviii) residual street wash water,

xix) discharges or flows from fire fighting activities

xx) dechlorinated water reservoir discharges, and

xxi) pavement washwaters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed).

c) Any municipality covered by this general permit is also granted automatic coverage under Permit No. ILRI 0 for the discharge of storm water associated with construction site activities for municipal construction projects disturbing one acre or more. The permittee shall comply with all the requirements of Permit ILR10 for all such construction projects.

3) Limitations on Coverage

The following discharges are not authorized by this permit:

Storm water discharges that are mixed with non-storm water or storm water associated with Industrial activity unless such discharges are:

a) In compliance with a separate NPDES permit, or

b) Identified by and in compliance with Part I.B.2 of this permit.

General NPDES Permit No. ILR10
Illinois Environmental Protection Agency
Division of Water Pollution Control
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276
www.epa.state.il.us
National Pollutant Discharge Elimination System
General NPDES Permit for Storm Water Discharges from Construction Site Activities
Issue Date: May 30, 2003
Effective Date: June 1, 2003

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

Permit Signed May 30, 2003
Toby Frevert, P.E.
Manager
Division of Water Pollution Control

PART I. Coverage Under This Permit

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

2) Eligibility.

   a) This permit shall authorize all discharges of storm water associated with industrial activity from construction sites that will result in the disturbance of one or more acres total land area, construction sites less than one acre of total land that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb one or more acres total land area or construction sites that are designated by the Agency that have the potential for contribution to a violation of water quality standard or significant contribution of pollutants to waters of the State, occurring after the effective date of this permit (including discharges occurring after the effective date of this permit where the construction activity was initiated before the effective date of this permit), except for discharges identified under paragraph I.B.3 (Limitations on Coverage).

   b) This permit may only authorize a storm water discharge associated with industrial activity from a construction site that is mixed with a storm water discharge from an industrial source other than construction, where:

      i) the industrial source other than construction is located on the same site as the construction activity;

      ii) storm water discharges associated with industrial activity from the areas of the site where construction activities are occurring are in compliance with the terms of this permit; and

iii) storm water discharges associated with industrial activity from the areas of the site where industrial activity other than construction are occurring (including storm water discharges from dedicated asphalt plants and dedicated concrete plants) are covered by a different NPDES general permit or individual permit authorizing such discharges.

c) Limitations on Coverage. The following storm water discharges from construction sites are not authorized by this permit:

i) storm water discharges associated with industrial activity that originate from the site after construction activities have been completed and the site has undergone final stabilization;

ii) discharges that are mixed with sources of non-storm water other than discharges identified in Part III.A (Prohibition on Non-Storm Water Discharges) of this permit and in compliance with paragraph IV.D.5 (Non-Storm Water Discharges) of this permit;

iii) storm water discharges associated with industrial activity that are subject to an existing NPDES individual or general permit or which are issued a permit in accordance with Part VI.N (Requiring an Individual Permit or an Alternative General Permit) of this permit. Such discharges may be authorized under this permit after an existing permit expires provided the existing permit did not establish numeric limitations for such discharges;

iv) storm water discharges from construction sites that the Agency has determined to be or may reasonably be expected to be contributing to a violation of a water quality standard; and

v) Storm water discharges that the Agency, at its discretion, determines are not appropriately authorized or controlled by this general permit.

vi) Storm water discharges to any receiving water identified under 35 Ill. Adm. Code 302.105(d)(6).

3) Authorization.

a) In order for storm water discharges from construction sites to be authorized to discharge under this general permit a discharger must submit a Notice of Intent (NOI) in accordance with the requirements of Part II below, using an NOI form provided by the Agency, or be covered by a valid Illinois General NPDES Construction Site Activities Permit.

b) Where a new operator (contractor) is selected after the submittal of an NOI under Part II below, a new Notice of Intent (NOI) must be submitted by the owner in accordance with Part II.

c) For projects that have complied with State law on historic preservation and endangered species prior to submittal of the NOI, through coordination with the Illinois Historic Preservation Agency and the Illinois Department of Natural Resources or through fulfillment of the terms of interagency agreements with those agencies, the NOI shall indicate that such compliance has occurred. Unless notified by the Agency to the contrary, dischargers who submit an NOI in accordance with the requirements of this permit are authorized to discharge storm water from construction sites

under the terms and conditions of this permit in 30 days after the date the NOI is post marked. The Agency may deny coverage under this permit and require submittal of an application for an individual NPDES permit based on a review of the NOI or other information.

PART II. Notice of Intent Requirements

1) Deadlines for Notification.

   a) To receive authorization under this general permit, a discharge must either be covered by a valid Illinois General NPDES Construction Site Permit, or a completed Notice of Intent (NOI) in accordance with Part VI.G (Signatory Requirements) and the requirements of this part must be submitted prior to the commencement of construction. The NOI must be submitted at least 30 days prior to the commencement of construction.

   b) Discharges that are covered by a valid Illinois General NPDES Construction Site Activities Permit as of May 31, 2003 are automatically covered by this permit.

   c) A discharger may submit an NOI in accordance with the requirements of this part after the start of construction. In such instances, the Agency may bring an enforcement action for any discharges of storm water associated with industrial activity from a construction site that have occurred on or after the start of construction.

2) B. Failure to Notify. Dischargers who fail to notify the Agency of their intent to be covered, and discharge storm water associated with construction site activity to Waters of the State without an NPDES permit, are in violation of the Environmental Protection Act and Clean Water Act.

3) Contents of Notice of Intent. The Notice of Intent shall be signed in accordance with Part VI.G (Signatory Requirements) of this permit by all of the entities identified in paragraph 2 below and shall include the following information:

   a) The mailing address, and location of the construction site for which the notification is submitted. Where a mailing address for the site is not available, the location can be described in terms of the latitude and longitude of the approximate center of the facility to the nearest 15 seconds, or the nearest quarter section (if the section, township and range is provided) that the construction site is located in;

   b) The owner's name, address, telephone number, and status as Federal, State, private, public or other entity;

   c) The name, address and telephone number of the general contractor(s) that have been identified at the time of the NOI submittal;

   d) The name of the receiving water(s), or if the discharge is through a municipal separate storm sewer, the name of the municipal operator of the storm sewer and the ultimate receiving water(s);

   e) The number of any NPDES permit for any discharge (including non-storm water discharges) from the site that is currently authorized by an NPDES permit;

f) A yes or no indication of whether the owner or operator has existing quantitative data which describes the concentration of pollutants in storm water discharges (existing data should not be included as part of the NOI); and

g) A brief description of the project, estimated timetable for major activities, estimates of the number of acres of the site on which soil will be disturbed, and a certification that a storm water pollution prevention plan has been or will be prepared for the facility in accordance with Part IV of this permit prior to the start of construction, and such plan provides compliance with local sediment and erosion plans or permits and/or storm water management plans or permits in accordance with paragraph VI.G.1 (Signatory Requirements) of this permit. (A copy of the plans or permits should not be included with the NOI submission).

4) Where to Submit.

a) Facilities which discharge storm water associated with construction site activity must use an NOI form provided by the Agency. NOIs must be signed in accordance with Part VI.G (Signatory Requirements) of this permit. NOIs are to be submitted certified mail to the Agency at the following address:

NPDES Permit No. ILR10

Illinois Environmental Protection Agency
Division of Water Pollution Control
Attention: Permit Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

b) A copy of the letter of notification of coverage or other indication that storm water discharges from the site are covered under an NPDES permit shall be posted at the site in a prominent place for public viewing (such as alongside a building permit).

5) Additional Notification. Facilities which are operating under approved local sediment and erosion plans, grading plans, or storm water management plans, in addition to filing copies of the Notice of Intent in accordance with Part D above, shall also submit signed copies of the Notice of Intent to the local agency approving such plans in accordance with the deadlines in Part A above. See Part IV.D.2.d (Approved State or Local Plans).

6) Notice of Termination. Where a site has been finally stabilized and all storm water discharges from construction sites that are authorized by this permit are eliminated, the permittee of the facility must submit a completed Notice of Termination that is signed in accordance with Part VI.G (Signatory Requirements) of this permit.

a) The Notice of Termination shall include the following information:

i) The mailing address, and location of the construction site for which the notification is submitted. Where a mailing address for the site is not available, the location can be described in terms of the latitude and longitude of the approximate center of the facility to the nearest 15

seconds, or the nearest quarter section (if the section, township and range is provided) that the construction site is located in;

ii) The owner's name, address, telephone number, and status as Federal, State, private, public or other entity;

iii) The name, address and telephone number of the general contractor(s); and

iv) The following certification signed in accordance with Part VI.G (Signatory Requirements) of this permit:

"I certify under penalty of law that all storm water discharges associated with construction site activity from the identified facility that are authorized by NPDES general permit ILR10 have otherwise been eliminated. I understand that by submitting this notice of termination, that I am no longer authorized to discharge storm water associated with construction site activity by the general permit, and that discharging pollutants in storm water associated with construction site activity to Waters of the State is unlawful under the Environmental Protection Act and Clean Water Act where the discharge is not authorized by a NPDES permit. I also understand that the submittal of this notice of termination does not release an operator from liability for any violations of this permit or the Clean Water Act."

For the purposes of this certification, elimination of storm water discharges associated with industrial activity means that all disturbed soils at the identified facility have been finally stabilized and temporary erosion and sediment control measures have been removed or will be removed at an appropriate time, or that all storm water discharges associated with construction activities from the identified site that are authorized by a NPDES general permit have otherwise been eliminated.

b) All Notices of Termination are to be sent, using the form provided by the Agency, to the address in paragraph II.D.1.

PART III. Special Conditions, Management Practices, and Other Non-Numeric Limitations

1) Prohibition on Non-Storm Water Discharges.

a) Except as provided in paragraph I.B.2 and 2 below, all discharges covered by this permit shall be composed entirely of storm water.

b) Except as provided in paragraph b below, discharges of materials other than storm water must be in compliance with a NPDES permit (other than this permit) issued for the discharge.

The following non-storm water discharges may be authorized by this permit provided the non-storm water component of the discharges is in compliance with paragraph IV.D.5 (Non-Storm Water Discharges): discharges from fire fighting activities; fire hydrant flushings; waters used to wash vehicles where detergents are not used; waters used to control dust; potable water sources including uncontaminated waterline flushings; irrigation drainages; routine external building washdown which does not use detergents; pavement washwaters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used; air conditioning condensate; springs; uncontaminated ground water; and

foundation or footing drains where flows are not contaminated with process materials such as solvents.

2) Discharges into Receiving Waters With an Approved Total Maximum Daily Load (TMDL):

Discharges to waters for which there is a TMDL allocation for sediment or a parameter that addressed sediment (such as total suspended solids, turbidity, or siltation) are not eligible for coverage under this permit unless you develop and certify a SWPPP that is consistent with the assumptions and requirements in the approved TMDL. To be eligible for coverage under this general permit, operators must incorporate into their SWPPP any conditions applicable to their discharges necessary for consistency with the assumptions and requirements of the TMDL within any timeframes established in the TMDL. If a specific numeric wasteload allocation has been established that would apply to the project's discharges, the operator must incorporate that allocation into its SWPPP and implement necessary steps to meet that allocation.

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3) Discharges covered by this permit, alone or in combination with other sources, shall not cause or contribute to a violation of any applicable water quality standard.

PART IV. Storm Water Pollution Prevention Plans

A storm water pollution prevention plan shall be developed for each construction site covered by this permit. Storm water pollution prevention plans shall be prepared in accordance with good engineering practices. The plan shall identify potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges associated with construction site activity from the facility. In addition, the plan shall describe and ensure the implementation of practices which will be used to reduce the pollutants in storm water discharges associated with construction site activity and to assure compliance with the terms and conditions of this permit. Facilities must implement the provisions of the storm water pollution prevention plan required under this part as a condition of this permit.

1) A. Deadlines for Plan Preparation and Compliance. The plan shall:

   a) Be completed prior to the start of the construction to be covered under this permit and updated as appropriate; and

   b) Provide for compliance with the terms and schedule of the plan beginning with the initiation of construction activities.

2) Signature, Plan Review and Notification.

   a) The plan shall be signed in accordance with Part VI.G (Signatory Requirements), and be retained on-site at the facility which generates the storm water discharge in accordance with Part VI.E (Duty to Provide Information) of this permit.

   b) Prior to commencement of construction, the permittee shall provide written notification to the Agency of completion of the SWPPP and that said plan is available at the site.

c) The permittee shall make plans available upon request from this Agency or a local agency approving sediment and erosion plans, grading plans, or storm water management plans; or in the case of a storm water discharge associated with industrial activity which discharges through a municipal separate storm sewer system with an NPDES permit, to the municipal operator of the system.

d) The Agency may notify the permittee at any time that the plan does not meet one or more of the minimum requirements of this Part. Such notification shall identify those provisions of the permit which are not being met by the plan, and identify which provisions of the plan requires modifications in order to meet the minimum requirements of this part. Within 7 days from receipt of notification from the Agency, the permittee shall make the required changes to the plan and shall submit to the Agency a written certification that the requested changes have been made. Failure to comply shall terminate authorization under this permit.

e) All storm water pollution prevention plans required under this permit are considered reports that shall be available to the public at any reasonable time upon request. However, the permittee may claim any portion of a storm water pollution prevention plan as confidential in accordance with 40 CFR Part 2.

3) Keeping Plans Current. The permittee shall amend the plan whenever there is a change in design, construction, operation, or maintenance, which has a significant effect on the potential for the discharge of pollutants to the Waters of the State and which has not otherwise been addressed in the plan or if the storm water pollution prevention plan proves to be ineffective in eliminating or significantly minimizing pollutants from sources identified under paragraph D.2 below, or in otherwise achieving the general objectives of controlling pollutants in storm water discharges associated with construction site activity. In addition, the plan shall be amended to identify any new contractor and/or subcontractor that will implement a measure of the storm water pollution prevention plan. Amendments to the plan may be reviewed by the Agency in the same manner as Part IV.B above.

4) Contents of Plan. The storm water pollution prevention plan shall include the following items:

a) Site Description. Each plan shall, provide a description of the following:

i) A description of the nature of the construction activity;

ii) A description of the intended sequence of major activities which disturb soils for major portions of the site (e.g. grubbing, excavation, grading);

iii) Estimates of the total area of the site and the total area of the site that is expected to be disturbed by excavation, grading, or other activities;

iv) An estimate of the runoff coefficient of the site after construction activities are completed and existing data describing the soil or the quality of any discharge from the site;

v) A site map indicating drainage patterns and approximate slopes anticipated before and after major grading activities, locations where vehicles enter or exit the site and controls to prevent offsite sediment tracking, areas of soil disturbance, the location of major structural and nonstructural controls identified in the plan, the location of areas where stabilization practices

are expected to occur, surface waters (including wetlands), and locations where storm water is discharged to a surface water; and

vi) The name of the receiving water(s) and the ultimate receiving water(s), and areal extent of wetland acreage at the site.

b) Controls. Each plan shall include a description of appropriate controls that will be implemented at the construction site. The plan will clearly describe for each major activity identified in paragraph D.1 above, appropriate controls and the timing during the construction process that the controls will be implemented. (For example, perimeter controls for one portion of the site will be installed after the clearing and grubbing necessary for installation of the measure, but before the clearing and grubbing for the remaining portions of the site. Perimeter controls will be actively maintained until final stabilization of those portions of the site upward of the perimeter control. Temporary perimeter controls will be removed after final stabilization). The description of controls shall address as appropriate the following minimum components:

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Erosion and Sediment Controls.

1) Stabilization Practices. A description of interim and permanent stabilization practices, including sitespecific scheduling of the implementation of the practices. Site plans should ensure that existing vegetation is preserved where attainable and that disturbed portions of the site are stabilized. Stabilization practices may include: temporary seeding, permanent seeding, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, preservation of mature vegetation, and other appropriate measures. A record of the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated shall be included in the plan. Except as provided in paragraphs (i) and (ii) below, stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased.

a) Where the initiation of stabilization measures by the 14th day after construction activity temporary or permanently cease is precluded by snow cover, stabilization measures shall be initiated as soon as practicable.

b) Where construction activity will resume on a portion of the site within 21 days from when activities ceased, (e.g. the total time period that construction activity is temporarily ceased is less than 21 days) then stabilization measures do not have to be initiated on that portion of site by the 14th day after construction activity temporarily ceased.

2) Structural Practices. A description of structural practices to the degree attainable, to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Such practices may Include silt fences, earth dikes, drainage swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions, and temporary or permanent sediment basins. Structural practices should be placed on upland soils to the degree attainable. The installation of these devices may be subject to Section 404 of the CWA.

3) Best Management Practices for Impaired Waters. For any site which discharges directly to an impaired water identified in the Agency's 303(d) listing for suspended solids, turbidity, or siltation the storm water pollution prevention plan shall be designed for a storm event equal to or greater than a 25-year 24-hour rainfall event. If required by federal regulations or the Illinois Environmental Protection Agency's Illinois Urban Manual, the storm water pollution prevention plan shall adhere to a more restrictive design criteria.

a) Storm Water Management. A description of measures that will be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. Structural measures should be placed on upland soils to the degree attainable. The installation of these devices may be subject to Section 404 of the CWA. This permit only addresses the installation of storm water management measures, and not the ultimate operation and maintenance of such structures after the construction activities have been completed and the site has undergone final stabilization. Permittees are responsible for only the installation and maintenance of storm water management measures prior to final stabilization of the site, and are not responsible for maintenance after storm water discharges associated with industrial activity have been eliminated from the site.

i) Such practices may include: storm water detention structures (including wet ponds); storm water retention structures; flow attenuation by use of open vegetated swales and natural depressions; infiltration of runoff onsite; and sequential systems (which combine several practices). The pollution prevention plan shall include an explanation of the technical basis used to select the practices to control pollution where flows exceed predevelopment levels.

ii) Velocity dissipation devices shall be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g. maintenance of hydrologic conditions, such as the hydroperiod and hydrodynamics present prior to the initiation of construction activities).

iii) Unless otherwise specified in the Illinois Environmental Protection Agency's Illinois Urban Manual, the storm water pollution prevention plan shall be designed for a storm event equal to or greater than a 25-year 24-hour rainfall event.

b) Other Controls.

i) Waste Disposal. No solid materials, including building materials, shall be discharged to Waters of the State, except as authorized by a Section 404 permit.

ii) The plan shall ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations.

c) Approved State or Local Plans.

i) The management practices, controls and other provisions contained in the storm water pollution prevention plan must be at least as protective as the requirements contained in Illinois Environmental Protection NPDES Permit No. ILR10 Agency's Illinois Urban Manual, 2002. Facilities which discharge storm water associated with construction site activities must include

in their storm water pollution prevention plan procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials. Requirements specified in sediment and erosion site plans or site permits or storm water management site plans or site permits approved by local officials that are applicable to protecting surface water resources are, upon submittal of an NOI to be authorized to discharge under this permit, incorporated by reference and are enforceable under this permit even if they are not specifically included in a storm water pollution prevention plan required under this permit. This provision does not apply to provisions of master plans, comprehensive plans, non-enforceable guidelines or technical guidance documents that are not identified in a specific plan or permit that is issued for the construction site.

ii) Dischargers seeking alternative permit requirements are not authorized by this permit and shall submit an individual permit application in accordance with 40 CFR 122.26 at the address indicated in Part II.D (Where to Submit) of this permit, along with a description of why requirements in approved local plans or permits should not be applicable as a condition of an NPDES permit.

iii) Maintenance. A description of procedures to maintain in good and effective operating conditions vegetation, erosion and sediment control measures and other protective measures identified in the site plan.

iv) Inspections. Qualified personnel (provided by the permittee) shall inspect disturbed areas of the construction site that have not been finally stabilized, structural control measures, and locations where vehicles enter or exit the site at least once every seven calendar days and within 24 hours of the end of a storm that is 0.5 inches or greater or equivalent snowfall. Qualified personnel means a person knowledgeable in the principles and practice of erosion and sediment controls, such as a licensed professional engineer or other knowledgeable person who possesses the skills to assess conditions at the construction site that could impact storm water quality and to assess the effectiveness of any sediment and erosion control measures selected to control the quality of storm water discharges from the construction activities.

(1) Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of offsite sediment tracking.

(2) Based on the results of the inspection, the description of potential pollutant sources identified in the plan in accordance with paragraph IV.D.1 (Site Description) of this permit and pollution prevention measures identified in the plan in accordance with paragraph IV.D.2 (Controls) of this permit shall be revised as appropriate as soon as practicable after such inspection. Such modifications shall provide for timely implementation of any changes to the plan within 7 calendar days following the inspection.

(3) A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the storm water pollution prevention plan, and actions taken in accordance with paragraph b above shall be made and retained as part of the storm water pollution prevention plan for at least three years from the date that the permit coverage expires or is terminated. The report shall be signed in accordance with Part VI.G (Signatory Requirements) of this permit.

(4) The permittee shall complete and submit within 5 days an "Incidence of Noncompliance" (ION) report for any violation of the storm water pollution prevention plan observed during an inspection conducted, including those not required by the Plan. Submission shall be on forms provided by the Agency and include specific information on the cause of noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance.

(5) All reports of noncompliance shall be signed by a responsible authority as defined in Part VI.G (Signatory Requirements).

(6) All reports of noncompliance shall be mailed to the Agency at the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance Section
1021 North Grand Avenue East
Post Office Box 19276
Springfield, Illinois 62794-9276

d) Non-Storm Water Discharges - Except for flows from fire fighting activities, sources of non-storm water listed in paragraph III.A.2 of this permit that are combined with storm water discharges associated with industrial activity must be identified in the plan. The plan shall identify and insure the implementation of appropriate pollution prevention measures for the non-storm water component(s) of the discharge.

4) Additional requirements for storm water discharge from industrial activities other than construction, including dedicated asphalt plants, and dedicated concrete plants. - This permit may only authorize a storm water discharge associated with industrial activity from a construction site that is mixed with a storm water discharge from an industrial source other than construction, where:

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a) The industrial source other than construction is located on the same site as the construction activity;

b) Storm water discharges associated with industrial activity from the areas of the site where construction activities are occurring are in compliance with the terms of this permit; and

c) Storm water discharges associated with industrial activity from the areas of the site where industrial activity other than construction are occurring (including storm water discharges from dedicated asphalt plants (other than asphalt emulsion facilities) and dedicated concrete plants) are in compliance with the terms, including applicable NOI or application requirements, of a different NPDES general permit or individual permit authorizing such discharges.

5) Contractors.

a) The storm water pollution prevention plan must clearly identify for each measure identified in the plan, the contractor(s) or subcontractor(s) that will implement the measure. All contractors and subcontractors identified in the plan must sign a copy of the certification statement in paragraph 2 below in accordance with Part VI.G (Signatory Requirements) of this permit. All certifications must be included in the storm water pollution prevention plan except for owners that are acting as contractor.

b) Certification Statement. All contractors and subcontractors identified in a storm water pollution prevention plan in accordance with paragraph [redacted] above shall sign a copy of the following certification statement before conducting any professional service at the site identified in the storm water pollution prevention plan:

"I certify under penalty of law that I understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit (ILR10) that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification."

The certification must include the name and title of the person providing the signature in accordance with Part VI.G of this permit; the name, address and telephone number of the contracting firm; the address (or other identifying description) of the site; and the date the certification is made.

PART V. Retention of Records

1) The permittee shall retain copies of storm water pollution prevention plans and all reports and notices required by this permit, and records of all data used to complete the Notice of Intent to be covered by this permit, for a period of at least three years from the date that the permit coverage expires or is terminated. This period may be extended by request of the Agency at any time.

2) The permittee shall retain a copy of the storm water pollution prevention plan required by this permit at the construction site from the date of project initiation to the date of final stabilization.

PART VI. Standard Permit Conditions

1) Duty to Comply.

The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of Illinois Environmental Protection Act and the CWA and is grounds for enforcement action; for permit termination, revocation and re-issuance, or modification; or for denial of a permit renewal application.

2) Continuation of the Expired General Permit. This permit expires five years from the date of issuance. An expired general permit continues in force and effect until a new general permit or an individual permit is issued. Only those facilities authorized to discharge under the expiring general permit are covered by the continued permit.

3) Need to halt or reduce activity not a defense. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

4) Duty to Mitigate. The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

5) Duty to Provide Information. The permittee shall furnish within a reasonable time to the Agency or local agency approving sediment and erosion plans, grading plans, or storm water management plans; or in the case of a storm water discharge associated with industrial activity which discharges through a municipal separate storm sewer system with an NPDES permit, to the municipal operator of the system, any information which is requested to determine compliance with this permit. Upon request, the permittee shall also furnish to the Agency or local agency approving sediment and erosion plans, grading plans, or storm water management plans; or in the case of a storm water discharge associated with industrial activity which discharges through a municipal separate storm sewer system with an NPDES permit, to the municipal operator of the system, copies of records required to be kept by this permit.

6) Other Information. When the permittee becomes aware that he or she failed to submit any relevant facts or submitted incorrect information in the Notice of Intent or in any other report to the Agency, he or she shall promptly submit such facts or information.

7) Signatory Requirements. All Notices of Intent, storm water pollution prevention plans, reports, certifications or information either submitted to the Agency or the operator of a large or medium municipal separate storm sewer system, or that this permit requires be maintained by the permittee, shall be signed.

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1) All Notices of Intent shall be signed as follows:

   a) For a corporation: by a responsible corporate officer. For the purpose of this section, a responsible corporate officer means:

      i) a president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or

      ii) the manager of one or more manufacturing, production or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding $25,000,000 (in

second-quarter 1980 dollars) if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures;

b) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or

c) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes

i) the chief executive officer of the agency, or

ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

2) All reports required by the permit and other information requested by the Agency shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:

a) The authorization is made in writing by a person described above and submitted to the Agency.

b) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of manager, operator, superintendent, or position of equivalent responsibility or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position).

c) Changes to authorization. If an authorization under paragraph I.C (Authorization) is no longer accurate because a different individual or position has responsibility for the overall operation of the construction site, a new authorization satisfying the requirements of paragraph I.C must be submitted to the Agency prior to or together with any reports, information, or applications to be signed by an authorized representative.

d) Certification. Any person signing documents under this Part shall make the following certification:

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

3) H. Penalties for Falsification of Reports. Section 309(c)(4) of the Clean Water Act provides that any person who knowingly makes any false material statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than $10,000, or by imprisonment for not more than 2 years, or by both. Section 44(j)(4) and (5) of the Environmental Protection Act provides that any person who knowingly makes any false statement, representation, or certification in an application form, or form pertaining to a NPDES permit commits a Class A

misdemeanor, and in addition to any other penalties provided by law is subject to a fine not to exceed $10,000 for each day of violation.

4) Penalties for Falsification of Monitoring Systems. The CWA provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by fines and imprisonment described in Section 309 of the CWA. The Environmental Protection Act provides that any person who knowingly renders inaccurate any monitoring device or record required in connection with any NPDES permit or with any discharge which is subject to the provisions of subsection (f) of Section 12 of the Act commits

5) Class A misdemeanor, and in addition to any other penalties provided by law is subject to a fine not to exceed $10,000 for each day of violation.

6) Oil and Hazardous Substance Liability. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under section 311 of the CWA.

7) Property Rights. The issuance of this permit does not convey any property rights of any sort, nor any exclusive privileges, nor does it authorize any injury to private property nor any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

8) Severability. The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

9) Transfers. This permit is not transferable to any person except after notice to the Agency. The Agency may require the discharger to apply for and obtain an individual NPDES permit as stated in Part I.C (Authorization).

10) Requiring an Individual Permit or an Alternative General Permit.

    a) The Agency may require any person authorized by this permit to apply for and/or obtain either an individual NPDES permit or an alternative NPDES general permit. Any interested person may petition the Agency to take action under

This paragraph. Where the Agency requires a discharger authorized to discharge under this permit to apply for an individual NPDES permit, the Agency shall notify the discharger in writing that a permit application is required. This notification shall include a brief statement of the reasons for this decision, an application form, a statement setting a deadline for the discharger to file the application, and a statement that on the effective date of the individual NPDES permit or the alternative general permit as it applies to the individual permittee, coverage under this general permit shall automatically terminate. Applications shall be submitted to the Agency indicated in Part II.D (Where to Submit) of this permit. The Agency may grant additional time to submit the application upon request of the applicant. If a discharger fails to submit in a timely manner an individual NPDES permit application as required by the Agency under this paragraph, then the applicability of this permit to the individual NPDES permittee is automatically terminated at the end

of the day specified by the Agency for application submittal. The Agency may require an individual NPDES permit based on:

i) information received which indicates the receiving water may be of particular biological significance pursuant to 35 Ill. Adm. Code 302.105(d)(6);

ii) whether the receiving waters are impaired waters for suspended solids, turbidity or siltation as identified by the Agency's 303(d) listing;

iii) size of construction site, proximity of site to the receiving stream, etc.

The Agency may also require monitoring of any storm water discharge from any site to determine whether an individual permit is required.

b) Any discharger authorized by this permit may request to be excluded from the coverage of this permit by applying for an individual permit. In such cases, the permittee shall submit an individual application in accordance with the requirements of 40 CFR 122.26(c)(1)(ii), with reasons supporting the request, to the Agency at the address indicated in Part II.D (Where to Submit) of this permit. The request may be granted by issuance of any individual permit or an alternative general permit if the reasons cited by the permittee are adequate to support the request.

c) When an individual NPDES permit is issued to a discharger otherwise subject to this permit, or the discharger is authorized to discharge under an alternative NPDES general permit, the applicability of this permit to the individual NPDES permittee is automatically terminated on the effective date of the individual permit or the date of authorization of coverage under the alternative general permit, whichever the case may be. When an individual NPDES permit is denied to a discharger otherwise subject to this permit, or the discharger is denied for coverage under an alternative NPDES general permit, the applicability of this permit to the individual NPDES permittee remains in effect, unless otherwise specified by the Agency.

11) State/Environmental Laws. No condition of this permit shall release the permittee from any responsibility or requirements under other environmental statutes or regulations.

12) Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit and with the requirements of storm water pollution prevention plans. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. Proper operation and maintenance requires the operation of backup or auxiliary facilities or similar systems, installed by a permittee only when necessary to achieve compliance with the conditions of the permit.

13) Inspection and Entry. The permittee shall allow the IEPA, or an authorized representative upon presentation of credentials and other documents as may be required by law, to:

a) Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;

b) Have access to and copy at reasonable times, any records that must be kept under the conditions of this permit;

c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

d) Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

14) Permit Actions. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

PART VII. Reopener Clause

1) If there is evidence indicating potential or realized impacts on water quality due to any storm water discharge associated with industrial activity covered by this permit, the discharger may be required to obtain an individual permit or an alternative general permit in accordance with Part I.C (Authorization) of this permit or the permit may be modified to include different limitations and/or requirements.

2) Permit modification or revocation will be conducted according to provisions of 35 Ill. Adm. Code, Subtitle C, Chapter I and the provisions of 40 CFR 122.62, 122.63, 122.64 and 124.5 and any other applicable public participation procedures.

3) The Agency will reopen and modify this permit under the following circumstances:

a) the U.S. EPA amends its regulations concerning public participation;

b) a court of competent jurisdiction binding in the State of Illinois or the 7th Circuit issues an order necessitating a modification of public participation for general permits; or

c) to incorporate federally required modifications to the substantive requirements of this permit.

PART VIII. Definitions

1) "Agency" means the Illinois Environmental Protection Agency.

2) "Best Management Practices" ("BMPs") means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the United States. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

3) "Commencement of Construction" - The initial disturbance of soils associated with clearing, grading, or excavating activities or other construction activities.

4) "CWA" means Clean Water Act (formerly referred to as the Federal Water Pollution Control Act or Federal Water Pollution Control Act Amendments of 1972) Pub.L. 92-500, as amended Pub. L. 95-217, Pub. L. 95-576, Pub. L. (96-483 and Pub. L. 97-117, 33 U.S.C. 1251 et.seq.)

5) "Dedicated portable asphalt plant" - A portable asphalt plant that is located on or contiguous to a construction site and that provides asphalt only to the construction site that the plant is located on or adjacent to. The term dedicated portable asphalt plant does not include facilities that are subject to the asphalt emulsion effluent limitation guideline at 40 CFR 443.

6) "Dedicated portable concrete plant" - A portable concrete plant that is located on or contiguous to a construction site and that provides concrete only to the construction site that the plant is located on or adjacent to.

7) "Dedicated sand or gravel operation" - An operation that produces sand and/or gravel for a single construction project.

8) "Director" means the Director of the Illinois Environmental Protection Agency or an authorized representative.

9) "Final Stabilization" means that all soil disturbing activities at the site have been completed, and that a uniform perennial vegetative cover with a density of 70% the cover for unpaved areas and areas not covered by permanent structures has been established or equivalent stabilization measures (such as the use of riprap, gabions or geotextiles) have been employed.

10) "Large and Medium municipal separate storm sewer system" means all municipal separate storm sewers that are either:

   a) Located in an incorporated place (city) with a population of 100,000 or more as determined by the latest Decennial Census by the Bureau of Census (these cities are listed in Appendices F and G of 40 CFR Part 122); or

   b) Located in the counties with unincorporated urbanized populations of 100,000 or more, except municipal separate storm sewers that are located in the incorporated places, townships or towns within such counties (these counties are listed in Appendices H and I of 40 CFR Part 122); or

   c) Owned or operated by a municipality other than those described in [redacted] and that are designated by the Director as part of the large or medium municipal separate storm sewer system.

      i) "NOI" means notice of intent to be covered by this permit (see Part II of this permit.)

      ii) "Point Source" means any discernible, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharges. This term does not include return flows from irrigated agriculture or agricultural storm water runoff.

iii) "Runoff coefficient" means the fraction of total rainfall that will appear at the conveyance as runoff.

iv) "Storm Water" means storm water runoff, snow melt runoff, and surface runoff and drainage.

v) "Storm Water Associated with Industrial Activity" means the discharge from any conveyance which is used for collecting and conveying storm water and which is directly related to manufacturing, processing or raw materials storage areas at an industrial plant. The term does not include discharges from facilities or activities excluded from the NPDES program. For the categories of industries identified in subparagraphs (i) through (x) of this subsection, the term includes, but is not limited to, storm water discharges from industrial plant yards; immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility; material handling sites; refuse sites; sites used for the application or disposal of process waste waters (as defined at 40 CFR 401); sites used for the storage and maintenance of material handling equipment; sites used for residual treatment, storage, or disposal; shipping and receiving areas; manufacturing buildings; storage areas (including tank farms) for raw materials, and intermediate and finished products; and areas where industrial activity has taken place in the past and significant materials remain and are exposed to storm water. For the categories of industries identified in subparagraph (xi), the term includes only storm water discharges from all areas

listed in the previous sentence (except access roads) where material handling equipment or activities, raw materials, intermediate products, final products, waste materials, by-products, or industrial machinery are exposed to storm water. For the purposes of this paragraph, material handling activities include the: storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, finished product, by-product or waste product. The term excludes areas located on plant lands separate from the plant's industrial activities, such as office buildings and accompanying parking lots as long as the drainage from the excluded areas is not mixed with storm water drained from the above described areas. Industrial facilities (including industrial facilities that are Federally or municipally owned or operated that meet the description of the facilities listed in this paragraph (i)- (xi)) include those facilities designated under 40 CFR 122.26(a)(1)(v). The following categories of facilities are considered to be engaging in "industrial activity" for purposes of this subsection:

1) Facilities subject to storm water effluent limitations guidelines, new source performance standards, or toxic pollutant effluent standards under 40 CFR Subchapter N (except facilities with toxic pollutant effluent standards which are exempted under category (xi) of this paragraph);

2) Facilities classified as Standard Industrial Classifications 24 (except 2434), 26 (except 265 and 267), 28, 29, 311, 32, 33, 3441, 373;

3) Facilities classified as Standard Industrial Classifications 10 through 14 (mineral industry) including active or inactive mining operations (except for areas of coal mining operations meeting the definition of a reclamation area under 40 CFR 434.11(l)) and oil and gas exploration, production, processing, or treatment operations, or transmission facilities that discharge storm water contaminated by contact with or that has come into contact with, any overburden, raw material, intermediate products, finished products, byproducts or waste products located on the site of such operations; inactive mining

operations are mining sites that are not being actively mined, but which have an identifiable owner/operator;

4) Hazardous waste treatment, storage, or disposal facilities, including those that are operating under interim status or a permit under Subtitle C of RCRA;

5) Landfills, land application sites, and open dumps that have received any industrial wastes (waste that is received from any of the facilities described under this subsection) including those that are subject to regulation under Subtitle D of RCRA;

6) Facilities involved in the recycling of materials, including metal scrapyards, battery reclaimers, salvage yards, and automobile junkyards, including but limited to those classified as Standard Industrial Classification 5015 and 5093;

7) Steam electric power generating facilities, including coal handling sites;

8) Transportation facilities classified as Standard Industrial Classifications 40, 41, 42, 44, and 45 which have vehicle maintenance shops, equipment cleaning operations, or airport deicing operations. Only those portions of the facility that are either involved in vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication), equipment cleaning operations, airport deicing operations, or which are otherwise identified under subparagraphs (i)-(vii) or (ix)-(xi) of this subsection are associated with industrial activity;

9) Treatment works treating domestic sewage or any other sewage sludge or wastewater treatment device or system, used in the storage treatment, recycling, and reclamation of municipal or domestic sewage, including land dedicated to the disposal of sewage sludge that are located within the confines of the facility, with a design flow of 1.0 mgd or more, or required to have an approved pretreatment program under 40 CFR 403. Not included are farm lands, domestic gardens or lands used for sludge management where sludge is beneficially reused and which are not physically located in the confines of the facility, or areas that are in compliance with 40 CFR 503;

10) Construction activity including clearing, grading and excavation activities except: operations that result in the disturbance of less than one acre of total land area which are not part of a larger common plan of development or sale unless otherwise designated by the Agency pursuant to Part I.B.1.

11) Facilities under Standard Industrial Classifications 20, 21, 22, 23, 2434, 25, 265, 267, 27, 283, 31 (except 311), 34 (except 3441), 35, 36, 37 (except 373), 38, 39, 4221-25, (and which are not otherwise included within categories (i)-(x)).

"Waters" mean all accumulations of water, surface and underground, natural, and artificial, public and private, or parts thereof, which are wholly or partially within, flow through, or border upon the State of Illinois, except that sewers and treatment works are not included except as specially mentioned; provided, that nothing herein contained shall authorize the use of natural or otherwise protected waters as sewers or treatment works except that in-stream aeration under Agency permit is allowable.

ILR10 05/03 bah.doc

COOK COUNTY
BUREAU OF ADMINISTRATION
DEPARTMENT OF HIGHWAYS
Rupert F. Graham Jr., P.E.
Superintendent of Highways
Cook County Administration Building
69 West Washington Street 23rd Floor
Chicago, Illinois 60602-3007
Telephone (312) 603-1600-01
Fax (312) 603-9945

CONTRACTOR CERTIFICATION STATEMENT

This certification statement is required as part of the National Pollutant Discharge Elimination System General Permit No. ILR10 issued by the Illinois Environmental Protection Agency and is part of the Storm Water Pollution Prevention Plan / Erosion Control Plan for this project. All Contractors and Subcontractors involved in the implementation of the erosion and sediment control plan must sign a Contractor Certification Statement before conducting any professional service at the site identified in the plan.

Project Information:

Project: _____
Limits: _____

Resident Engineer: _____

I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit ILR10 that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

_____
Name (PRINT) Telephone Number

_____
Signature

_____
Title

_____
Name of Firm

_____
Street Address

_____
City State Zip

National Pollutant Discharge Elimination System (NPDES)

EROSION AND SEDIMENT CONTROL INSPECTION CHECKLIST

COOK COUNTY
BUREAU OF ADMINISTRATION
DEPARTMENT OF HIGHWAYS
Rupert F. Graham Jr., P.E.
Superintendent of Highways
Cook County Administration Building
69 West Washington Street 23rd Floor
Chicago, Illinois 60602-3007
Telephone (312) 603-1600-01
Fax (312) 603-9945

Date of Inspection: _____ Project: _____
Name of Inspector: _____ Limits: _____
Type of Inspection: _____
Time of Inspection: _____ Contract Number: _____

Stage of Construction:

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

Inspection Checklist:

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

Note:

Weather Conditions: _____

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

COOK COUNTY
BUREAU OF ADMINISTRATION
DEPARTMENT OF HIGHWAYS
Rupert F. Graham Jr., P.E.
Superintendent of Highways
Cook County Administration Building
69 West Washington Street 23rd Floor
Chicago, Illinois 60602-3007
Telephone (312) 603-1600-01
Fax (312) 603-9945

Date of Inspection: _____

Project: _____

Name of Inspector: _____

Limits: _____

Type of Inspection: _____

Weekly ☐

> 0.5-inch Rain ☐

District #: _____

Contract #: _____

NPDES Permit #: ILR400485

Contractor: _____

Subcontractors: _____

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

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

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

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

Appropriate corrective action as directed by the Resident Engineer must be taken as soon as practicable by the Contractor.

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

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

Resident Engineer

Cook County Highway Department

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

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

CAUSE OF NON-COMPLIANCE:

ACTIONS TAKEN TO PREVENT ANY FURTHER NON-COMPLIANCE:

ENVIRONMENTAL IMPACT RESULTING FROM THE NON-COMPLIANCE:

ACTIONS TAKEN TO REDUCE THE ENVIRONMENTAL IMPACT RESULTING FROM THE NON-COMPLIANCE:

SIGNATURE: _____ **TITLE:** **DATE:**

MAIL COMPLETED FORM TO:

(DO NOT SUBMIT ADDITIONAL DOCUMENTATION UNLESS REQUESTED)

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

FOR OFFICE USE ONLY

LOG:
PERMIT NO. ILR10_____
DATE:

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

COOK COUNTY
BUREAU OF ADMINISTRATION
DEPARTMENT OF HIGHWAYS

Storm Water Pollution Prevention Plan

Project:	Joe Orr Road (Relocated)
Limits:	East of Stony Island Avenue to Torrence Avenue
Section:	09-B6736-03-RP
Location:	Lynwood
County:	Cook

This plan has been prepared to comply with the provisions of the National Pollutant Discharge Elimination System (NPDES) ILR10 Permit, issued by the Illinois Environmental Protection Agency for storm water discharges from Construction Site Activities.

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

Signature

6/15/2011
Date

Superintendent of Highways
Title

1. SITE DESCRIPTION

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

This project consists of P.C.C. and HMA Pavement construction including, but not limited to, pavement removal, earth excavation, storm sewer, curb and gutter, landscaping, sidewalk, traffic signals and all incidental and collateral work necessary to complete the improvement.

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

The total area of the project is 23.02 (acres). The total area of the site expected to be disturbed by excavation, grading, or other soil breaking activities is 23.02 (acres).

The estimated runoff coefficients of the various areas of the site after construction activities are completed are contained in the project drainage study which is incorporated by reference into this plan. Information describing the soils at the site, including soil boring logs and soil profiles, is contained in the soils report for the project and is incorporated by reference into this plan.

According to the Soil Survey of Cook County, Illinois, soils present within project limits are silty clay loam, clay loam topsoil, _____, and clay.

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

The names of receiving water(s) and aerial extent of wetland acreage at the site are also in the project report and plan documents. Receiving waters: Torrence Avenue Drainage. The proposed improvements are located within the Thorn Creek watershed – Little Calumet River Basin sub-watershed.

The primary storm water discharge points are as follows:

Sta. 231+50 Proposed 72" Storm Sewer Running North Under Torrence Avenue
Sta. _____ _____

2. CONTROLS

Perimeter Erosion Barrier – A silt fence will be placed adjacent to areas of construction to intercept waterborne silt and prevent it from leaving the site. These areas are indicated on the drainage plans. This control measure will be in place and functioning prior to any ground breaking.

Erosion Control Blanket – Erosion control blanket shall be placed over all disturbed areas that have been brought to final grade if sodding is not installed within 24 hours and at any time and location as deemed necessary by the Resident Engineer to protect slopes from erosion. Erosion Control Blanket with green dye is NOT acceptable.

Stone Rip Rap – Stone riprap will be maintained around the box culvert, pipe culvert, embankment near STA. 30+34, 30+95 to protect against scour and prevent erosion.
31+25, 231+50

Temporary Ditch Checks – Rolled excelsior or urethane/foam ditch checks may be used as directed by the Resident Engineer. Silt fence (statewide) and straw bales (District #1) are not allowed as temporary ditch checks.

Permanent Seeding (for non-residential areas) - Seeding, Class 2A shall be used to stabilize all disturbed parkway areas within 24 hours of final grading. Biodegradable, lightweight erosion control blanket is preferred as mulch for its stability. ECB containing green dye is not acceptable.

Inlet Pipe Protection –Inlet pipe protection shall be provided for those structures in the parkway as shown in the plans. Drainage structure inlet filters will be placed and maintained at those locations indicated on the drainage plans and as directed by the Engineer.

Diversion of Stream flow – Throughout culvert or bridge installation, the Contractor shall maintain the flows by using a diversion channel and/or by-pass piping/pumping to divert flows through or around the work area.(see special provision) If a diversion channel is used, the channel walls and bed shall be protected from soil erosion by use of erosion control blanket, plastic sheeting, or by a method approved by the Engineer. When operating under permit, the authorizing Soil and Water Conservation District must also approve the method of diversion.

Isolation of Work Area - Prior to culvert or bridge installation, the Contractor shall isolate the work area from flowing water through the use of cofferdams. The system must be approved by the Engineer and by the authorizing Soil and Water Conservation District (see special provision)

Dewatering Operations - The Contractor shall use a sump pit for dewatering the isolated work area. Water from the sump pit shall be discharged to a sediment basin or sediment bag of adequate size to provide for settlement prior to being discharged to the drainage system. The discharge of water from dewatering operations directly into the stream or drainage system is strictly prohibited.

The Contractor shall initiate stabilization measures as soon as practicable on portions of the site where construction activities have ceased (permanently or temporarily) and at any time and location deemed necessary and as directed in writing by the Engineer.

The Contractor shall provide and install stabilization measures (permanently or temporarily) as needed prior to the cessation of work at the end of the construction season which will provide adequate protection until work is resumed. The Contractor shall maintain these measures throughout the dormant period.

Contractor: _____

Other Controls

Waste Disposal – No solid materials, including building materials, shall be discharged into waters of the state, except as authorized by a Section 404 permit.

The provisions of this plan shall ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations.

Approved State or Local Plans

The management practices, controls, and provisions contained in this plan will be in accordance with IDOT Standard Specifications for Road and Bridge Construction (2002) and the IEPA Illinois Urban Manual (1995).

MAINTENANCE

The following is a description of procedures that will be used to maintain, in good and effective operating conditions, vegetation, erosion and sediment control measures and other protective measures identified in this plan.

During construction the Contractor shall:

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

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

Remove and dispose of silt retained by the temporary ditch checks as directed by the resident engineer.
Reinstall temporary ditch checks after cleaning.

All maintenance of erosion control systems will be the responsibility of the Contractor. All locations where vehicles enter and exit the construction site and all other areas subject to erosion should be inspected at least once every seven days and within 24 hours or the end of each ½ in. or greater rainfall event, or an equivalent snowfall (5 in.).

Inspection procedures shall be followed as outlined below.

INSPECTIONS

Qualified personnel shall inspect disturbed areas of the construction site which have not been fully stabilized, structural control measures, and locations where vehicles enter or exit the site. Such inspections shall be conducted at least once every seven (7) calendar days and within 24 hours of the end of a storm that is ½ in. or greater rainfall or equivalent snowfall (5 in.).

Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of offsite sediment tracking.

Based on the results of the inspection, the description of potential pollutant sources identified in section a) above and pollution prevention measures identified in section a) above shall be revised as appropriate as soon as practicable after such inspection. Any changes to this plan resulting from the required inspections shall be implemented within 24 hours following the inspection (a mark-up plan showing accurate locations and types of BMPs used must be kept.)

A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of this storm water pollution plan, and actions taken in accordance with section b) shall be made and retained as part of the plan for at least three (3) years after the date of the inspection. The report shall be signed in accordance with Part VI G of the general permit.

If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer or Resident Technician shall complete and file an "Incidence of Noncompliance" (ION) report for the identified violation. The Resident Engineer or Resident Technician shall use forms provided by the Illinois Environmental Protection Agency and shall include specific information on the cause of non-compliance, actions which were taken to prevent any further causes of non-compliance, and a statement detailing any environmental impact which may have resulted from the non-compliance. All reports of noncompliance shall be signed by a responsible authority in accordance with Part VI. G of the general permit. The report of non-compliance shall be mailed to the following address:

Illinois Environmental Pollution Agency
Division of Water Pollution Control
Attn: Compliance Assurance Section
1021 North Grand East
Post Office Box 19276
Springfield, IL 62794-9276

NON-STORM WATER DISCHARGES

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

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

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

EVIDENCE OF COMPLIANCE WITH OTHER LAWS
Endangered Species Act

As part of the Biological Resource Review for the project, an evaluation of habitat for federally listed endangered and threatened species was conducted by the U.S. Fish and Wildlife Service. No suitable habitat for species listed as occurring in Cook County was found to be present.
National Historic Properties Act of 1966

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

State Endangered and Threatened Species

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

N/A
(impacted areas)

This area is located:

N/A
(description here with reference to the project road)

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

N/A
(clearance letter date here)

Clean Water Act: Wetlands and Waters of the U.S.

This project is operating under Section 404 of the Clean Water Act General Permit Application # N/A as approved by the US Army Corps of Engineers on N/A.

This project shall comply with the water quality certification issued under Section 401 of the Clean Water Act by the IL Environmental Protection Agency.

If the project will impact 0.10 acre or more of wetlands, mitigation of 1.5:1 is required under federal regulations.

References

Standard Specifications for Road and Bridge Construction, Illinois Department of Transportation, January 1, 1997

Illinois Urban Manual, United States Department of Agriculture – Natural Resources Conservation Service, September 1995

National Pollutant Discharge Elimination System (NPDES) Storm Water Permit No. ILR10, Illinois Environmental Protection Agency – Division of Water Pollution Control.

Illinois Environmental Protection Agency

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

Division of Water Pollution Control
Notice of Intent (NOI) for General Permit
to Discharge Storm Water Associated with Construction Site Activities

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Permit Section at the above address.

For Office Use Only

Permit No. ILR10 _____

OWNER INFORMATION

Company/Owner Name: _____

Mailing Address: _____ Phone: _____

City: _____ State: ___ Zip: _____ Fax: _____

Contact Person: _____ E-mail: _____

Owner Type (select one) _____

MS4 Community: ☐ Yes ☐ No

CONTRACTOR INFORMATION

Contractor Name: _____

Mailing Address: _____ Phone: _____

City: _____ State: ___ Zip: _____ Fax: _____

CONSTRUCTION SITE INFORMATION

Select One: ☐ New ☐ Change of information for: ILR10 _____

Project Name: _____ County: _____

Street Address: _____ City: _____ IL Zip: _____

Latitude: _____ _____ _____ Longitude: _____ _____ _____ _____ _____ _____

(Deg) (Min) (Sec) (Deg) (Min) (Sec) Section Township Range

Approximate Construction Start Date _____ Approximate Construction End Date _____

Total size of construction site in acres: _____

If less than 1 acre, is the site part of a larger common plan of development?

☐ Yes ☐ No

~~Fee Schedule for Construction Sites:~~
~~Less than 5 acres - $250~~
~~5 or more acres - $750~~

STORM WATER POLLUTION PREVENTION PLAN (SWPPP)

Has the SWPPP been submitted to the Agency? ☐ Yes ☐ No

(Submit SWPPP electronically to: epa.constilr10swppp@illinois.gov)

Location of SWPPP for viewing: Address: _____ City: _____

SWPPP contact information: Inspector qualifications:

Contact Name: _____ _____

Phone: _____ Fax: _____ E-mail: _____

Project inspector, if different from above Inspector qualifications:

Inspector's Name: _____ _____

Phone: _____ Fax: _____ E-mail: _____

IL 532 2104 WPC 623
Rev 5/10

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

TYPE OF CONSTRUCTION **(select one)**

Construction Type _____

SIC Code: _____

Type a detailed description of the project:

_____

_____

_____

_____

_____

_____

HISTORIC PRESERVATION AND ENDANGERED SPECIES COMPLIANCE

Has the project been submitted to the following state agencies to satisfy applicable requirements for compliance with Illinois law on:

Historic Preservation Agency ☐ Yes ☐ No

Endangered Species ☐ Yes ☐ No

RECEIVING WATER INFORMATION

Does your storm water discharge directly to: ☐ Waters of the State or ☐ Storm Sewer

Owner of storm sewer system: _____

Name of closest receiving water body to which you discharge: _____

Mail completed form to: Illinois Environmental Protection Agency
Division of Water Pollution Control
Attn: Permit Section
Post Office Box 19276
Springfield, Illinois 62794-9276
or call (217) 782-0610
FAX: (217) 782-9891

Or submit electronically to: epa.constilr10swppp@illinois.gov

I certify under penalty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage this system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, I certify that the provisions of the permit, including the development and implementation of a storm water pollution prevention plan and a monitoring program plan, will be complied with.

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

_____ Owner Signature: _____ Date:

_____ Printed Name: _____ Title:

INSTRUCTIONS FOR COMPLETION OF CONSTRUCTION ACTIVITY NOTICE OF INTENT (NOI) FORM

Submit original, electronic or facsimile copies. Facsimile and/or electronic copies should be followed-up with submission of an original signature copy as soon as possible. Please write "copy" under the "For Office Use Only" box in the upper right hand corner of the first page.

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Permit Section at:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Permit Section
Post Office Box 19276
Springfield, Illinois 62794-9276
or call (217) 782-0610
FAX: (217) 782-9891

Or submit electronically to: epa.constilr10swppp@illinois.gov

Reports must be typed or printed legibly and signed.

Any facility that is not presently covered by the General NPDES Permit for Storm Water Discharges From Construction Site Activities is considered a new facility.

If this is a change in your facility information, renewal, etc., please fill in your permit number on the appropriate line, changes of information or permit renewal notifications do not require a fee.

NOTE: FACILITY LOCATION IS NOT NECESSARILY THE FACILITY MAILING ADDRESS, BUT SHOULD DESCRIBE WHERE THE FACILITY IS LOCATED.

Use the formats given in the following examples for correct form completion.

	Example	Format
Section	12	1 or 2 numerical digits
Township	12N	1 or 2 numerical digits followed by "N" or "S"
Range	12W	1 or 2 numerical digits followed by "E" or "W"

For the Name of Closest Receiving Waters, do not use terms such as ditch or channel. For unnamed tributaries, use terms which include at least a named main tributary such as "Unnamed Tributary to Sugar Creek to Sangamon River."

Submission of initial fee and an electronic submission of Storm Water Pollution Prevention Plan (SWPPP) for Initial Permit prior to the Notice of Intent being considered complete for coverage by the ILR10 General Permits. Please make checks payable to: Illinois EPA at the above address.

Construction sites with less than ~~5 acres of land disturbance - fee is $250.~~

Construction sites with ~~5 or more acres of land disturbance - fee is $750.~~

SWPPP should be submitted electronically to: epa.constilr10swppp@illinois.gov When submitting electronically, use Project Name and City as indicated on NOI form.

Illinois Environmental Protection Agency

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

Division of Water Pollution Control
Construction Site Storm Water Discharge Incidence of Non-Compliance (ION)

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Compliance Assurance Section at the above address. You may email this completed form to:
epa.swnoncomp@illinois.gov

For Office Use Only

Permit No. ILR10_____

Permittee Name: _____

Address: _____ County: _____

City: _____ State: _____ Zip: _____ Phone: _____

Construction Site Name: _____ E-mail: _____

Latitude: _____ _____ _____ Longitude: _____ _____ _____ _____ _____ _____

(Deg) (Min) (Sec) (Deg) (Min) (Sec) Section Township Range

Cause of Non-Compliance

_____

_____

_____

_____

Actions Taken to Prevent Any Further Non-Compliance

_____

_____

_____

_____

Environmental Impact Resulting From the Non-Compliance

_____

_____

_____

_____

Actions Taken to Reduce the Environmental Impact Resulting From the Non-Compliance

_____

_____

_____

_____

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

_____ _____
Owner Signature: Date:

_____ _____
Printed Name: Title:

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

DIVISION OF WATER POLLUTION CONTROL
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
FIELD OPERATIONS SECTION

GUIDELINES FOR COMPLETION OF INCIDENCE OF NON-COMPLIANCE (ION) FORM

Complete and submit this form for any violation of the Storm Water Pollution Prevention Plan observed during any inspection conducted, including those not required by the SWPPP. Please adhere to the following guidelines:

Initial submission within 24 hours by email, telephone or fax (see region fax numbers) of any incidence of non-compliance for any violation. Submit email copy to: epa.swnoncomp@illinois.gov. After 24 hours notification, submit signed original ION within 5 days to the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Compliance Assurance #19
Post Office Box 19276
Springfield, Illinois 62794-9276

FIELD OPERATIONS HEADQUARTERS
Bruce Yurdin, Manager
Phone: 217/782-3362 Fax: 217/785-1225
EMAIL: epa.swnoncomp@illinois.gov

Region 1 - ROCKFORD
Chuck Corley, Manager
Phone: 815/987-7760 Fax: 815/987-7005

Region 2 - DESPLAINES
Jay Patel, Manager
Phone: 847/294-4000 Fax: 847/294-4058

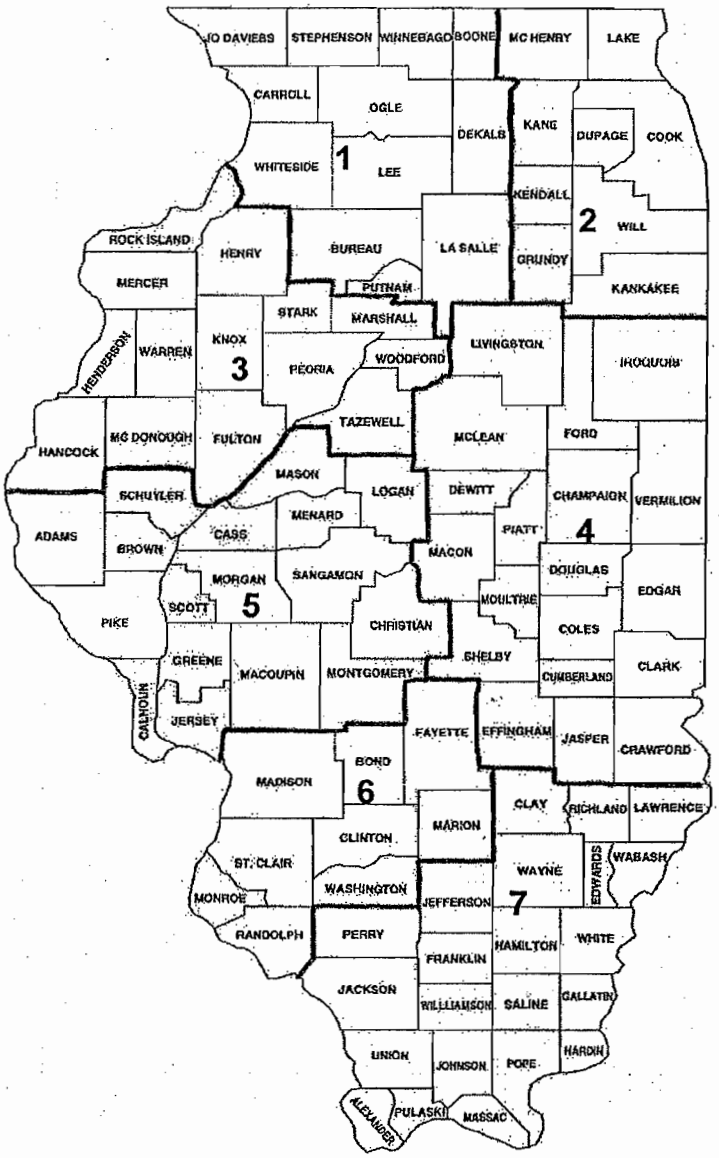
Region 3 - PEORIA
Jim Kammueller, Manager
Phone: 309/693-5463 Fax: 309/693-5467

Region 4 - CHAMPAIGN
Joe Koronkowski, Manager
Phone: 217/278-5800 Fax: 217/278-5808

Region 5 - SPRINGFIELD
Bruce Yurdin, FOS Manager
Phone: 217/782-3362 Fax: 217/785-1225

Region 6 - COLLINSVILLE
Bruce Yurdin, FOS Manager
Phone: 217/782-3362 Fax: 217/785-1225

Region 7- MARION
Byron Marks, Manager
Phone: 618/993-7200 Fax: 618/997-5467



Illinois Environmental Protection Agency

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

Division of Water Pollution Control
NOTICE OF TERMINATION (NOT)
of Coverage under the General Permit for Storm Water Discharges Associated with Construction Site Activities

This fillable form may be completed online, a copy saved locally, printed and signed before it is submitted to the Permit Section at the above address.

Permit No. ILR10 _____

OWNER INFORMATION

Owner Name: _____

Owner Type (select one) _____

Mailing Address: _____ Phone: _____

City: _____ State: ___ Zip: _____ Fax: _____

Contact Person: _____ E-mail: _____

CONTRACTOR INFORMATION

Contractor Name: _____

Mailing Address: _____ Phone: _____

City: _____ State: ___ Zip: _____ Fax: _____

CONSTRUCTION SITE INFORMATION

Facility Name: _____

Street Address: _____

City: _____ IL Zip: _____ County: _____

NPDES Storm Water General Permit Number: ILR10 _____

Latitude: _____ _____ _____ Longitude: _____ _____ _____ _____ _____ _____

(Deg) (Min) (Sec) (Deg) (Min) (Sec) Section Township Range

DATE PROJECT HAS BEEN COMPLETED AND STABILIZED: _____

NOTE: Coverage under this permit cannot be terminated without the completion date.

I certify under penalty of law that disturbed soils at the identified facility have been finally stabilized or that all storm water discharges associated with industrial activity from the identified facility that are authorized by an NPDES general permit have otherwise been eliminated. I understand that by submitting this notice of termination, that I am no longer authorized to discharge storm water associated with industrial activity by the general permit, and that discharging pollutants in storm water associated with industrial activity to Waters of the State is unlawful under the Environmental Protection Act and the Clean Water Act where the discharge is not authorized by an NPDES Permit.

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

_____ Owner Signature: _____ Date:

Mail completed form to: Illinois Environmental Protection Agency
Division of Water Pollution Control
Attn: Permit Section
Post Office Box 19276
Springfield, Illinois 62794-9276

(Do not submit additional documentation unless requested)

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

GUIDELINES FOR COMPLETION OF NOTICE OF TERMINATION (NOT) FORM

Please adhere to the following guidelines:

Submit original, electronic or facsimile copies. Facsimile and/or electronic copies should be followed-up with submission of an original signature copy as soon as possible.

Submit completed forms to:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Attn: Permit Section
Post Office Box 19276
Springfield, Illinois 62794-9276
or call (217) 782-0610
FAX: (217) 782-9891

Or submit electronically to: epa.constilr10swppp@illinois.gov

Reports must be typed or printed legibly and signed.

NOTE: FACILITY LOCATION IS NOT NECESSARILY THE FACILITY MAILING ADDRESS, BUT SHOULD DESCRIBE WHERE THE FACILITY IS LOCATED.

Use the formats given in the following examples for correct form completion.

	Example	Format
Section	12	1 or 2 numerical digits
Township	12N	1 or 2 numerical digits followed by "N" or "S"
Range	12W	1 or 2 numerical digits followed by "E" or "W"

Final stabilization has occurred when:

(a) all soil disturbing activities at the site have been completed;

(b) a uniform perennial vegetative cover with a density of 70% of the native background vegetative cover for the area has been established on all unpaved areas not covered by permanent structures; or

(c) equivalent permanent stabilization measures have been employed.

SPECIAL PROVISION
FOR
TEMPORARY EROSION CONTROL

Revise the third paragraph of Article 280.03 of the Standard Specifications to read:

"Erosion control systems shall be installed prior to beginning any activities which will potentially create erodible conditions. Erosion control systems for areas outside the limits of construction such as storage sites, plant sites, waste sites, haul roads, and Contractor furnished borrow sites shall be installed prior to beginning soil disturbing activities at each area. These offsite systems shall be designed by the Contractor and be subject to the approval of the Engineer."

Add the following paragraph after the third paragraph of Article 280.03 of the Standard Specifications:

"The temporary erosion and sediment control systems shown on the plans represent the minimum systems anticipated for the project. Conditions created by the Contractor's operations, or for the Contractor's convenience, which are not covered by the plans, shall be protected as directed by the Engineer at no additional cost to the Department. Revisions or modifications of the erosion and sediment control systems shall have the Engineer's written approval."

Add the following paragraph after the ninth paragraph of Article 280.07 of the Standard Specifications:

"Temporary or permanent erosion control systems required for areas outside the limits of construction will not be measured for payment."

Delete the tenth (last) paragraph of Article 280.08 of the Standard Specifications.

SPECIAL PROVISION
FOR
MAINTAINING DRAINAGE AND STREAM PROTECTION

Description. The Contractor shall be responsible for the diversion of flow and dewatering of the construction area during the construction of all drainage structures, including box culverts, pipe culverts or other drainage structures as indicated in the plans. The Contractor shall be responsible for preventing sediment from leaving the work site due to these operations.

Construction Requirements. The Contractor shall protect the work area as shown in the plans or by other methods meeting the approval of the Engineer and the authorizing Soil and Water Conservation District to isolate the construction area from the stream flow. The method of isolation and maintenance of stream flow proposed by the Contractor shall be submitted to the Engineer for his review and approval prior to commencing work. The submittal shall include the type, size and location of dam used to isolate area, size and location of diversion channel if used, size and material type of any temporary culverts or flumes for diversion channels, pumps along with their capacities, sump pits and other appurtenances or any other methods to be employed by the Contractor in order to comply with the requirements of this special provision. The submittal shall also include details as to the methods and locations of sediment control and erosion prevention measures that will be used and maintained as required by the contract documents and by all regulatory permits under which the project operates. An approval letter from the authorizing Soil and Water Conversation District shall also accompany the submittal if an alternate method is to be employed by the Contractor.

Basis of Payment. The work detailed in this Special Provision including construction and maintenance of the system as designed shall not be measured for payment. It shall be included in the unit bid price for the item of work involved. No additional compensation shall be allowed for stream protection measures that may be required by the authorizing Soil and Water Conversation District.

SPECIAL PROVISION
FOR
SEEDING

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

250.04 Fertilizer and Agricultural Ground Limestone Application. Revise the third paragraph to read:

When fertilizer is specified, 180 lbs. of fertilizer nutrients per acre shall be applied at a 1:1:1 ratio as follows:

Nitrogen Fertilizer Nutrients	60 lbs./acre
Phosphorus Fertilizer Nutrients	60 lbs./acre
Potassium Fertilizer Nutrients	60 lbs./acre

250.07 Seeding Mixtures. Revise Table I Seeding Mixtures

For Class I as follows: Substitute the Seeding Mixture indicated below for Seeding Class I, regardless of the season;

80 lbs./acre Kentucky Bluegrass

45 lbs./acre Kentucky 31 or Alta Fescue

30 lbs./acre Perennial Ryegrass

15 lbs./acre Redtop or Creeping Red Fescue

SPECIAL PROVISION
FOR
SODDING

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

252.09 Supplemental Watering. Revise the third sentence to read:

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

252.11 Inspection. Revise the first paragraph to read:

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

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

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

SPECIAL PROVISION
FOR
PLANTING WOODY PLANTS

This special provision amends the provisions of the standard specifications and shall be construed to be a part thereof.

253.03 Planting Time. Add the following after the first paragraph:

All planting work shall be suspended during inclement weather judged to be detrimental to the plant material by the engineer. Sunday work shall not be performed without the permission of the engineer. Any planting done without permission of the engineer due to the weather or on sundays will be subject to removal and shall be replanted with new material of the same number, size and variety at the contractor's own expense.

253.05 Transportation. Revise the second sentence of the paragraph to read:

Upon arrival at the temporary storage location or the site of the work and before planting backfill operations have begun, plants will be inspected for proper shipping procedures as defined in article 1081.01(d).

253.08 Excavation of Plant Holes. Revise the third and fourth sentences of the first paragraph to read:

Under no circumstances shall surplus excavated material be stockpiled in ditches, on shoulders, or on sodded areas. All work shall cease until this material is removed off the site of the work. All damage incurred from this operation shall be replaced or repaired at the contractor's expense.

253.08 (b) Excavation for Shrubs, Vines and Seedlings. Add the following to the second paragraph:

When shrub beds are located on existing sod areas, the sod shall be stripped from the entire shrub bed prior to the digging of shrub holes. The Engineer shall make on site inspection of shrub bed sites before excavation begins. The final bed grade shall be at the direction of the engineer. All surplus excavated material from the shrub holes shall be removed from the bed and disposed of by the contractor off the site of the work.

253.10 Planting Procedures. Revise first and second sentences of the first paragraph to read:

The prepared backfill shall consist of topsoil as approved by the Engineer. Soil removed from the hole shall be used to construct the water saucer as directed by the Engineer.

253.12 Wrapping. Add the following after the first paragraph:

Use screen wrapping as specified or use alternate, tree wrapping paper, as directed by the engineer.

253.13 Bracing. Revise the first sentence of the first paragraph to read:

No bracing shall be required for small or intermediate trees, 1.2M (4 feet) thru 2.5M (8 feet) in height. Trees larger than 50MM (2 inches) in diameter and smaller than 75MM (3 inches) in diameter, shall require 2

posts, so placed that a line between them will be parallel to the roadway. Trees more than 75MM (3 inches) in diameter require 3 posts so placed that they are equidistant from each other.

253.14 Period of Establishment. Add the following after the first paragraph:

Besides the required replacement of dead and unsatisfactory plants, all plants that have been over-pruned, resulting in an unnatural shape, and those which show more than a 40% loss of leaves after the period of establishment, shall be replaced. Any plant material stolen from the site of the work, burned or damaged during the life of the contract shall be replaced in number, size and variety at the contractor's expense.

253.14 Period of Establishment. Add the following after the fourth paragraph:

Contractor's responsibility shall be limited to one replacement if original planting fails to survive.

253.15 Plant Care (b). Add the following after the second paragraph:

All sodded or seeded areas, medians, parkways and shoulder areas damaged by deep rutting or displacement due to equipment used in planting or care of plants shall be restored at the contractor's expense.

1081.01 (c) Inspection of Plant Material. Revise the last sentence of part (1) to read:

A representative of the Architecture and Landscape Section shall place identification seals on all large and small trees. A representative number of shrubs, vines and seedlings (10 per 1,000) shall be sealed or tagged.

SPECIAL PROVISION
FOR
WORK ZONE TRAFFIC CONTROL

Revise Article 701.10 of the Standard Specifications to read:

"The Contractor shall conduct inspections of the worksite at a frequency that will allow for the timely replacement of any traffic control device that has become displaced, worn, or damaged. A sufficient quantity of replacement devices, based on vulnerability to damage, shall be readily available to meet this requirement."

Delete Articles 701.19(d) and Article 701.20(g) of the Standard Specifications.

SPECIAL PROVISION
FOR
TRAFFIC CONTROL DEVICES - DETOUR ROUTING

Description. This work shall consist of the furnishing of Sign Panel Type 1 and/or Type 2, complete with reflectorized sign faces, legend and supplemental panels; installing them on sign supports, sign structures, traffic signal standard or light standard, as determined appropriate and consistent with the requirements set forth in the State of Illinois "Manual on Uniform Traffic Control Devices for Streets and Highways," the daily monitoring and maintenance of these installations; and the removal of the entire assembly and restoration of area upon completion of project.

Materials. The sign panel materials shall be as specified in Sections 1090, 1091 and 1092 of the Standard Specifications for Road and Bridge Construction. When the installation of sign supports is necessary, they shall meet the requirements for Metal Post Type B of Article 1006.29 of the Standard Specifications for Road and Bridge Construction.

Installation Requirements. Type 1 and/or Type 2 sign panels shall be installed using all required supporting and mounting hardware in accordance with the details shown in the plans or as directed by the Engineer. When used, the metal posts may be driven by hand or mechanical means to a minimum depth of 1.2 m (4.0 feet) measured from the ground line or as shown in the plans. The post shall be protected by a suitable driving cap and if required by the Engineer, the material around the post will be compacted after driving.

If the post is too long, the Contractor may choose to cut the post or embed it further in the ground; however, no splicing of metal posts will be allowed. Any post so cut shall have the cut end completely deburred and treated with a zinc rich paint.

The Contractor shall be responsible for the proper elevation, offset and orientation of all posts as indicated on the plans or as directed by the Engineer.

All posts will be of sufficient length to allow a 2.1 m (7 Foot) clear-height in urban areas and a 1.5 m (5 Foot) clear-height in rural areas, or as directed by the Engineer (bottom of panel to elevation of edge of pavement). The tops of all posts shall be nearly flush with the top of the sign and shall not protrude above the sign.

Basis of Payment. This work shall be paid for at the contract lump sum price for Traffic Control Devices - Detour Routing, which price shall be payment in full for all labor, material, transportation, handling and incidentals necessary to furnish, install, monitor daily, maintain, remove all Sign Panels Type 1 and/or Type 2 and Metal Post Type B indicated on the detour plan and as directed by the Engineer

SPECIAL PROVISION
FOR
POLYUREA PAVEMENT MARKING

Description. This work shall consist of furnishing and applying pavement marking lines.

The type of polyurea pavement marking applied will be determined by the type of reflective media used. Polyurea Pavement Marking Type I shall use glass beads as a reflective media. Polyurea Pavement Marking Type II shall use a combination of composite reflective elements and glass beads as a reflective media.

Polyurea-based liquid pavement markings shall only be applied by Contractors on the list of Approved Polyurea Contractors maintained by the Engineer of Operations and in effect on the date of advertisement for bids.

Materials. Materials shall meet the following requirements:

(a) Polyurea Pavement Marking. The polyurea pavement marking material shall consist of 100 percent solid two part system formulated and designed to provide a simple volumetric mixing ratio of two components (must be two or three volumes of Part A to one volume of Part B). No volatile or polluting solvents or fillers will be allowed.

(b) Pigmentation. The pigment content by weight (mass) of component A shall be determined by low temperature ashing according to ASTM D 3723. The pigment content shall not vary more than ± two percent from the pigment content of the original qualified paint.

White Pigment shall be Titanium Dioxide meeting ASTM D 476 Type II, Rutile. Yellow Pigment shall be an Organic Yellow and contain no heavy metals.

(c) Environmental. Upon heating to application temperature, the material shall not exude fumes which are toxic or injurious to persons or property.

(d) Daylight Reflectance. The daylight directional reflectance of the cured polyurea material (without reflective media) shall be a minimum of 80 percent (white) and 50 percent (yellow) relative to magnesium oxide when tested using a color spectrophotometer with a 45 degrees circumferential /zero degrees geometry, illuminant C, and two degrees observer angle. The color instrument shall measure the visible spectrum from 380 to 720 nm with a wavelength measurement interval and spectral bandpass of 10 nm. In addition, the color of the yellow polyurea shall visually match Color Number 33538 of Federal Standard 595a with chromaticity limits as follows:

X	0.490	0.475	0.485	0.539
Y	0.470	0.438	0.425	0.456

(e) Weathering Resistance. The polyurea marking material, when mixed in the proper ratio and applied at 14 to 16 mils (0.35 to 0.41 mm) wet film thickness to an aluminum alloy panel (Federal Test Std. No. 141, Method 2013) and allowed to cure for 72 hours at room temperature, shall be subjected to accelerated weathering for 75 hours. The accelerated weathering shall be completed by using the light and water exposure apparatus (fluorescent UV - condensation type) and tested according to ASTM G 53.

The cycle shall consist of four hours UV exposure at 122 °F (50 °C) and four hours of condensation at 104 °F (40 °C). UVB 313 bulbs shall be used. At the end of the exposure period, the material shall show no substantial change in color or gloss.

(f)Dry Time. The polyurea pavement marking material, when mixed in the proper ratio and applied at 14 to 16 mils (0.35 to 0.41 mm) wet film thickness and with the proper saturation of reflective media, shall exhibit a no-tracking time of ten minutes or less when tested according to ASTM D 711.

(g)Adhesion. The catalyzed polyurea pavement marking materials when applied to a 4 x 4 x 2 in. (100 x 100 x 50 mm) concrete block, shall have a degree of adhesion which results in a 100 percent concrete failure in the performance of this test.

The concrete block shall be brushed on one side and have a minimum strength of 3500 psi (24,100 kPa). A 2 in. (50 mm) square film of the mixed polyurea shall be applied to the brushed surface and allowed to cure for 72 hours at room temperature. A 2 in. (50 mm) square cube shall be affixed to the surface of the polyurea by means of an epoxy glue. After the glue has cured for 24 hours, the polyurea specimen shall be placed on a dynamic testing machine in such a fashion so that the specimen block is in a fixed position and the 2 in. (50 mm) cube (glued to the polyurea surface) is attached to the dynamometer head. Direct upward pressure shall be slowly applied until the polyurea system fails. The location of the break and the amount of concrete failure shall be recorded.

(h) Hardness. The polyurea pavement marking materials when tested according to ASTM D 2240, shall have a shore D hardness of between 70 and 100. Films shall be cast on a rigid substrate at 14 to 16 mils (0.35 to 0.41 mm) in thickness and allowed to cure at room temperature for 72 hours before testing.

(i)Abrasion. The abrasion resistance shall be evaluated according to ASTM D 4060 using a Taber Abrader with a 1,000 gram load and CS 17 wheels. The duration of the test shall be 1,000 cycles. The loss shall be calculated by difference and be less than 120 mgs. The tests shall be run on cured samples of polyurea material which have been applied at a film thickness of 14 to 16 mils (0.35 to 0.41 mm) to code S-16 stainless steel plates. The films shall be allowed to cure at room temperature for at least 72 hours and not more than 96 hours before testing.

(j) Reflective Media. The reflective media shall meet the following requirements:

(1) Type I - The glass beads shall meet the requirements of Article 1095.07 of the Standard Specifications and the following requirements:

a. First Drop Glass Beads. The first drop glass beads shall be tested by the standard visual method of large glass spheres adopted by the Department. The beads shall have a silane coating and meet the following sieve requirements:

U.S. Standard	Sieve	% Passing
12	1.70 mm	95-100
14	1.40 mm	75-95
16	1.18 mm	10-47
18	1.00 mm	0-7
20	850 µm	0-5

b. Second Drop Glass Beads. The second drop glass beads shall meet the requirements of Article 1095.07 of the Standard Specifications for Type B.

(2) Type II - The combination of microcrystalline ceramic elements and glass beads shall meet the following requirements:

a. First Drop Glass Beads. The first drop glass beads shall meet the following requirements:

1. Composition. The elements shall be composed of a titania opacified ceramic core having clear and or yellow tinted microcrystalline ceramic beads embedded to the outer surface.

2. Index of Refraction. All microcrystalline reflective elements embedded to the outer surface shall have an index of refraction of 1.8 when tested by the immersion method.

3. Acid Resistance. A sample of microcrystalline ceramic beads supplied by the manufacturer, shall show resistance to corrosion of their surface after exposure to a one percent solution (by weight (mass)) of sulfuric acid. Adding 0.2 oz (5.7 ml) of concentrated acid into the water shall make the one percent acid solution. This test shall be performed by taking a 1 x 2 in. (25 x 50 mm) sample and adhering it to the bottom of a glass tray and placing just enough acid solution to completely immerse the sample. The tray shall be covered with a piece of glass to prevent evaporation and allow the sample to be exposed for 24 hours under these conditions. The acid solution shall be decanted (do not rinse, touch, or otherwise disturb the bead surfaces) and the sample dried while adhered to the glass tray in a 150 °F (66 °C) oven for approximately 15 minutes. Microscope examination (20X) shall show no white (corroded) layer on the entire surface.

b. Second Drop Glass Beads. The second drop glass beads shall meet the requirements of Article 1095.07 of the Standard Specifications for Type B or the following manufacturer's specification:

1. Sieve Analysis. The glass beads shall meet the following sieve requirements:

U.S. Standard Sieve Number	Sieve Size	% Passing By Weight (mass)
20	850 µm	100
30	600 µm	75-95
50	300 µm	15-35
100	150 µm	0-5

The manufacturer of the glass beads shall certify that the treatment of the glass beads meets the requirements of the polyurea manufacturer.

2. Imperfections. The surface of the glass beads shall be free of pits and scratches. The glass beads shall be spherical in shape and shall contain a maximum of 20 percent by weight (mass) of irregular shapes when tested by the standard method using a vibratile inclined glass plate as adopted by the Department.

3. Index of Refraction. The index of refraction of the glass beads shall be a minimum of 1.50 when tested by the immersion method at 77 °F (25 °C).

(k) Packaging. Microcrystalline ceramic reflective elements and glass beads shall be delivered in approved moisture proof bags or weather resistant bulk boxes. Each carton shall be legibly marked with the manufacturer, specifications and type, lot number, and the month and year the microcrystalline ceramic reflective elements

and/or glass beads were packaged. The letters and numbers used in the stencils shall be a minimum of 1/2 in. (12.7 mm) in height.

(1) Moisture Proof Bags. Moisture proof bags shall consist of at least five ply paper construction unless otherwise specified. Each bag shall contain 50 lb (22.7 kg) net.

(2) Bulk Weather Resistance Boxes. Bulk weather resistance boxes shall conform to Federal Specification PPP-8-640D Class II or latest revision. Boxes are to be weather resistant, triple wall, fluted, corrugated-fiber board. Cartons shall be strapped with two metal straps. Straps shall surround the outside perimeter of the carton. The first strap shall be located approximately 2 in. (50 mm) from the bottom of the carton and the second strap shall be placed approximately in the middle of the carton. All cartons shall be shrink wrapped for protection from moisture. Cartons shall be lined with a minimum 4 mil polyester bag and meet Interstate Commerce Commission requirements. Cartons shall be approximately 38 x 38 in. (1 x 1 m), contain 2000 lb (910 kg) of microcrystalline ceramic reflective elements and/or glass beads and be supported on a wooden pallet with fiber straps.

(l) Packaging. The material shall be shipped to the job site in substantial containers and shall be plainly marked with the manufacturer's name and address, the name and color of the material, date of manufacture, and batch number.

(m) Verification. Prior to approval and use of the polyurea pavement marking materials, the manufacturer shall submit a notarized certification of an independent laboratory, together with the results of all tests, stating these materials meet the requirements as set forth herein. The certification test report shall state the lot tested, manufacturer's name, brand name of polyurea and date of manufacture. The certification shall be accompanied by one 1 pt (1/2 L) samples each of Part A and Part B. Samples shall be sent in the appropriate volumes for complete mixing of Part A and Part B.

After approval by the Department, certification by the polyurea manufacturer shall be submitted for each batch used. New independent laboratory certified test results and samples for testing by the Department shall be submitted any time the manufacturing process or paint formulation is changed. All costs of testing (other than tests conducted by the Department) shall be borne by the manufacturer.

(n) Acceptance samples. Acceptance samples shall consist of one 1 pt (1/2 L) samples of Part A and Part B, of each lot of paint. Samples shall be sent in the appropriate volumes for complete mixing of Part A and Part B. The samples shall be submitted to the Department for testing, together with a manufacturer's certification. The certification shall state the formulation for the lot represented is essentially identical to that used for qualification testing. All, acceptance samples will be taken by a representative of the Department. The polyurea pavement marking materials shall not be used until tests are completed and they have met the requirements as set forth herein.

(o) Material Retainage. The manufacturer shall retain the test sample for a minimum of 18 months.

Equipment. The polyurea pavement marking compounds shall be applied through equipment specifically designed to apply two component liquid materials, glass beads and/or reflective elements in a continuous and skip-line pattern. The two-component liquid materials shall be applied after being accurately metered and then mixed with a static mix tube or airless impingement mixing guns. The static mixing tube or impingement mixing guns shall accommodate plural component material systems that have a volumetric ratio of 2 to 1 or 3 to 1. This equipment shall produce the required amount of heat at the mixing head and gun tip and maintain those

temperatures within the tolerances specified. The guns shall have the capacity to deliver materials from approximately 1.5 to 3 gal/min (5.7 to 11.4 L/min) to compensate for a typical range of application speeds of 6 to 8 mph (10 to 13 km/h). The accessories such as spray tip, mix chamber, and rod diameter shall be selected according to the manufacturer's specifications to achieve proper mixing and an acceptable spray pattern. The application equipment shall be maneuverable to the extent that straight lines can be followed and normal curves can be made in a true arc. This equipment shall also have as an integral part of the gun carriage, a high pressure air spray capable of cleaning the pavement immediately prior to making application.

The equipment shall be capable of spraying both yellow and white polyurea, according to the manufacturer's recommended proportions and be mounted on a truck of sufficient size and stability with an adequate power source to produce lines of uniform dimensions and prevent application failure. The truck shall have at least two polyurea tanks each of 110 gal (415 L) minimum capacity and be equipped with hydraulic systems and agitators. It shall be capable of placing stripes on the left and right sides and placing two lines on a three-line system simultaneously with either line in a solid or intermittent pattern, in yellow or white, and applying the appropriate reflective media according to manufacturer's recommendations. All guns shall be in full view of operations at all times. The equipment shall have a metering device to register the accumulated installed quantities for each gun, each day. Each vehicle shall include at least one operator who shall be a technical expert in equipment operations and polyurea application techniques. Certification of equipment shall be provided at the pre-construction conference.

The mobile applicator shall include the following features:

(a) Material Reservoirs. The applicator shall provide individual material reservoirs, or space for the storage of Part A and Part B of the resin composition.

(b) Heating Equipment. The applicator shall be equipped with heating equipment of sufficient capacity to maintain the individual resin components at the manufacturer's recommended temperature of ±5 °F (±2.8 °C) for spray application.

(c) Dispensing Equipment. The applicator shall be equipped with glass bead and/or reflective element dispensing equipment. The applicator shall be capable of applying the glass beads and/or reflective elements at a rate and combination indicated by the manufacturer.

(d) Volumetric Usage. The applicator shall be equipped with metering devices or pressure gauges on the proportioning pumps as well as stroke counters to monitor volumetric usage. Metering devices or pressure gauges and stroke counters shall be visible to the Engineer.

(e) Pavement Marking Placement. The applicator shall be equipped with all the necessary spray equipment, mixers, compressors and other appurtenances to allow for the placement of reflectorized pavement markings in a simultaneous sequence of operations.

The Contractor shall provide an accurate temperature-measuring device(s) that shall be capable of measuring the pavement temperature prior to application of the material, the material temperature at the gun tip and the material temperature prior to mixing.

Construction Requirements.

General. The pavement shall be cleaned by a method approved by the Engineer to remove all dirt, grease, glaze, or any other material that would reduce the adhesion of the markings with minimum or no damage to the pavement surface. New portland cement concrete pavements shall be air-blast-cleaned to remove all latents.

Widths, lengths, and shapes of the cleaned surface shall be of sufficient size to include the full area of the specified pavement marking to be placed.

The cleaning operation shall be a continuous moving operation process with minimum interruption to traffic.

Markings shall be applied to the cleaned surfaces on the same calendar day. If this cannot be accomplished, the surface shall be re-cleaned prior to applying the markings. No markings shall be applied until the Engineer approves the cleaning.

The pavement markings shall be applied to the cleaned road surface, during conditions of dry weather and subsequently dry pavement surfaces at a minimum uniform wet thickness of 15 mils (0.4 mm) according to the manufacturer's installation instructions. On new hot-mix asphalt (HMA) surfaces the pavement markings shall be applied at a minimum uniform wet thickness of 20 mils (0.5 mm). The application of and combination of reflective media (glass beads and/or reflective elements) shall be applied at a rate specified by the manufacturer. At the time of installation the pavement surface temperature and the ambient temperature shall be above 40 °F (4 °C) and rising. The pavement markings shall not be applied if the pavement shows any visible signs of moisture or it is anticipated that damage causing moisture, such as rain showers, may occur during the installation and set periods. The Engineer will determine the atmospheric conditions and pavement surface conditions that produce satisfactory results.

Using the application equipment, the pavement markings shall be applied in the following manner, as a simultaneous operation:

(a) The surface shall be air-blasted to remove any dirt and residue.

(b) The resin shall be mixed and heated according to manufacturer's recommendations and sprayed onto the pavement surface.

The edge of the center line or lane line shall be offset a minimum distance of 2 in. (50 mm) from a longitudinal crack or joint. Edge lines shall be approximately 2 in. (50 mm) from the edge of pavement. The finished center and lane lines shall be straight, with the lateral deviation of any 10 ft (3 m) line not to exceed 1 in. (25 mm).

Notification. The Contractor shall notify the Engineer 72 hours prior to the placement of the markings in order that he/she can be present during the operation. At the time of notification, the Contractor shall provide the Engineer the manufacturer and lot numbers of polyurea and reflective media that will be used.

Inspection. The polyurea pavement markings will be inspected following installation according to Article 780.10 of the Standard Specifications, except, no later than December 15, and inspected following a winter performance period that extends 180 days from December 15.

Method of Measurement. This work will be measured for payment as follows:

(a) Contract Quantities. The requirements for the use of contract quantities shall be according to Article 202.07(a).

(b) Measured Quantities. Lines will be measured for payment in place in feet (meters). Double yellow lines will be measured as two separate lines.

Basis of Payment. This work will be paid for at the contract unit price per foot (meter) for POLYUREA PAVEMENT MARKING TYPE I – LINE of the line width specified or for POLYUREA PAVEMENT MARKING TYPE II – LINE of the line width specified.

SPECIAL PROVISION
FOR
TRAFFIC PROTECTION

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

"Rough Grooved Surface" signs (W8-I107) shall be used when the road has been cold milled and open to traffic. The signs shall remain in place until the milled surface condition no longer exists. These signs shall be erected a minimum of 150m (500 feet) preceding the start of the milled pavement and on all side roads within the posted area. The "Rough Grooved Surface" signs on the side roads shall be posted 60m (200 feet) from the mainline pavement. All signs shall have a 450mm x 450mm (18" x 18") orange flag and amber flashing light attached.

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

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

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

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

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

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

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

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

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

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

All barricades shall be Type I or II equipped with flashing lights. At each point of closure, sufficient numbers of barricades shall be used to completely close the sidewalk to pedestrian movement. Where construction

activities involve sidewalks on both sides of the street, the work shall be staged so that both sidewalks are not out of service at the same time.

107.09 Public Convenience and Safety. Revise the Sixth paragraph of this Article to read as follows:

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

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

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

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

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

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

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

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

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

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

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

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

Method of Measurement. Delete: Article 701.19 Method of Measurement

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

Basis of Payment. Delete: Article 701.20 Basis of Payment

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

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

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

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

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

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

Where "P" is the contract price for Traffic Protection

Difference between original and final sum total

value of all the work items for which

Where "X" = protection is required.

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

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

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

SPECIAL PROVISION
FOR
THERMOPLASTIC PAVEMENT MARKINGS

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

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

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

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

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

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

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

x	0.490	0.475	0.485	0.530
y	0.470	0.438	0.425	0.456"

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

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

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

SPECIAL PROVISION
FOR
REFLECTIVE SHEETING ON CHANNELIZING DEVICES

Revise the seventh paragraph of Article 1106.02 of the Standard Specifications to read:

" At the time of manufacturing, the retroreflective prismatic sheeting used on channelizing devices shall meet or exceed the initial minimum coefficient of retroreflection as specified in the following table. Measurements shall be conducted according to ASTM E 810, without averaging. Sheeting used on cones, drums and flexible delineators shall be reboundable as tested according to ASTM D 4956. Prestriped sheeting for rigid substrates on barricades shall be white and orange. The sheeting shall be uniform in color and devoid of streaks throughout the length of each roll. The color shall conform to the latest appropriate standard color tolerance chart issued by the U.S. Department of Transportation, Federal Highway Administration, and to the daytime and nighttime color requirements of ASTM D 4956.

Initial Minimum Coefficient of Retroreflection candelas/foot candle/sq ft (candelas/lux/sq m) of material

Observation Angle (deg.)	Entrance Angle (deg.)	White	Orange	Fluorescent Orange
0.2	-4	365	160	150
0.2	+30	175	80	70
0.5	-4	245	100	95
0.5	+30	100	50	40"

Revise the first sentence of the first paragraph of Article 1106.02(c) of the Standard Specifications to read:

" Barricades and vertical panels shall have alternating white and orange stripes sloping downward at 45 degrees toward the side on which traffic will pass."

Revise the third sentence of the first paragraph of Article 1106.02(d) of the Standard Specifications to read:

" The bottom panels shall be 8 x 24 in. (200 x 600 mm) with alternating white and orange stripes sloping downward at 45 degrees toward the side on which traffic will pass."

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

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

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

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

Type ZZ Retroreflective Sheeting Properties. Type ZZ retroreflective sheeting shall consist of a flexible, colored, cubed corner prismatic, retroreflective material encapsulated by a flexible, transparent plastic having a smooth outer surface and shall meet the following requirements.

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

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

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

(c) Coefficient of Retroreflection. When tested according to ASTM E 810, the sheeting shall have a minimum coefficient of retroreflection as shown in the following tables. The brightness of the sheeting when totally wet shall be a minimum of 90 percent of the values shown when tested according to the standard rainfall test specified in Section 7.10.1 of AASHTO M 268-84.

Type ZZ Sheeting

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

Type ZZ (0 degree rotation)

Observation Angle (deg.)	Entrance Angle (deg.)	White	Yellow	Red	Green	Blue	FYG	FY	FO
0.2	-4	725	545	145	75	35	580	435	255
0.2	+30	300	225	60	30	15	240	180	105
0.5	-4	450	340	90	45	20	360	270	160
0.5	+30	180	135	40	20	10	145	110	65
1.0	-4	130	100	30	15	6	105	80	50
1.0	+30	70	55	15	10	3	60	45	25

Type ZZ (90 degree rotation

Observation Angle (deg.)	Entrance Angle (deg.)	White	Yellow	Red	Green	Bl	FYG	FY	FO
0.2	-4	415	305	85	42	17	340	145	85
0.2	+30	80	60	18	14	4.4	64	48	23
0.5	-4	350	260	70	35	16	280	210	80
0.5	+30	75	56	15	12	3.6	60	45	25
1.0	-4	110	80	18	11	4.8	87	64	22
1.0	+30	20	13	3	2	1	12	9	3

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

32 °C). Shrinkage and immersion testing shall be as follows.

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

sufficiently heat resistant to retain adhesion after one week at 150 °F (66 °C).

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

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

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

(g) Thickness. The thickness of the sheeting without the protective liner shall be a maximum of 0.005 in. (0.13 mm).

(h) Cutting. Material used on bed cutting machines shall have a smooth plastic liner.

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

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

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

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

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

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

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

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

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

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

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

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

0.5	+30	75	50	25	10	10	5	3.5

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

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

Type AA (45 degree rotation)

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

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

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

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

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

Type AZ (90 degree rotation)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(g) Thickness. The thickness of the sheeting without the protective liner shall be a maximum of 0.005 in. (0.13 mm).

(h) Cutting. Material used on bed cutting machines shall have a smooth plastic liner.

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

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

SPECIAL PROVISION
FOR
PROJECT SIGNS PLAQUE

County will erect signs announcing `A Cook County Department of Highways, Road Improvement Project' with a 24"X4" size plaque reading `COMING SOON' in front and `COMPLETED' in back. Contractor will remove this 24"X4" size plaque and store it at the beginning of work on the contract. When work on the contract is completed, Contractor will attach the plaques to the Project signs reading `COMPLETED'. The cost of this work will be incidental to the contract.

SPECIAL PROVISION
FOR
RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

This item shall consist of removing existing raised reflective pavement markers, including base casting and reflective element, in accordance with Section 783 of the "Standard Specifications for Road and Bridge Construction", except that the pavement shall be repaired to the satisfaction of the Engineer with EPOXY that has similar color as pavement and shall be approved by the Engineer prior to use.

SPECIAL PROVISION
FOR
TRAFFIC SIGNAL WORK GENERAL

All work and equipment performed and installed under this contract, shall be governed and shall comply to the State of Illinois "Standard Specifications for Road and Bridge Construction" latest edition, herein referred to as the Standard Specifications; the State of Illinois "Manual on Uniform Traffic Control Devices for Streets and Highways", latest edition; the "National Electrical Code" latest edition herein referred to as the NEC; the National Electrical Manufacturers Association, herein referred to as NEMA (all publications for traffic control items) latest editions; the International Municipal Signal Association, herein referred to as IMSA "Official Wire & Cable Specifications Manual" latest edition; the Institute of Transportation Engineers, herein referred to as the ITE, Technical Report No.1, "A Standard for Adjustable Face Vehicular Traffic Control Heads"; AASHTO "Standard Specifications for Structural Supports for Highway Signs, Luminaries and Traffic Signals" and the "Supplemental Specifications" and "Recurring Special Provisions" noted herein.

The following Special Provisions supplement the above specifications, manuals, and code. The intent of these Special Provisions is to prescribe the materials and construction methods commonly used for traffic signal installations. All material furnished shall be new. The locations and the details of all installations shall be as indicated on the Plans or as directed by the Engineer. Traffic signal construction and maintenance work shall be performed by personnel holding IMSA Traffic Signal Technician Level II certification. The work to be done under this contract consists of furnishing and installing all traffic signal work as specified in the Plans and as specified herein in a manner acceptable and approved by the Engineer. In case of conflict with any part or parts of said documents, these Special Provisions shall take precedence and shall govern.

In order to reduce possible vehicular conflicts with fixed objects and avoid public criticism, it is necessary to require that no posts, poles, heads, or controller cabinets be installed until all traffic signal control equipment is brought to and located on the job site.

The construction, installation and/or removal work shall be accomplished at all the intersections within the limits of this project or as shown in the plans.

Description of Work. The work to be done under this contract consists of furnishing and installing all traffic signal work as specified on the Plans and as specified herein in a manner acceptable and approved by the Engineer.

Restoration. All areas and plant material damaged by the installation of Traffic Signal posts, mast arm poles, underground cables or conduits, handholes and control cabinets shall be replaced as follows:

- Grass Areas: Replace top soil to a depth of four (4) inches (100 mm), re-grade shoulders, ditch slopes, and open areas back to former existing grades, fertilize, seed and mulch all damaged areas.

- Sod Areas (areas adjacent to residential, commercial and industrial properties and any other areas as directed by the engineer): Fertilize and re-sod damaged areas.
- Plant Materials: Remove and replace damaged trees, shrubs and vines with the same varieties that existed prior to damage.

- Shoulders other than Stabilized and Backslopes, medians, sidewalks, pavement, etc.: Replace shoulder to original condition and restore edge of backslope to original lines and grades. Medians, sidewalks and pavement shall be replaced in kind.

- All brick pavers disturbed in the work area shall be restored to their original configuration or as directed by the Engineer. All damaged brick pavers shall be replaced with a comparable material approved by the Engineer

All damaged landscape shall be replaced in accordance with Section 250 through 254 of the Standard Specifications.

Any damage, due to the installation of traffic signal equipment; or necessary removal at handholes, jacking pits, and inspection openings, of sidewalks, curbs, gutters, median and island paving, and/or pavement, shall be repaired or replaced by the Contractor. Repair or replacement shall be made with a like material of like thickness to the existing surface. Restoration of traffic signal work area shall be included in related pay items such as foundation, conduit, handhole, trench and backfill, etc.

Control of Traffic Signal Materials.

All work shall meet the requirements of the "Standard Specifications for Road and Bridge Construction", except as follows:

The controller and all control equipment shall be of a manufacturer that is approved by this Department. The manufacturer shall have a representative located in the six (6) county Chicago areas.

The intent of this Section is to prescribe the materials and construction methods commonly used for traffic signal installations. All material furnished shall be new. Traffic materials and equipment shall bear the U.L. label whenever such labeling is available.

Before any signal equipment, including mast arm assemblies, poles, controller cabinets, all control equipment and signal heads, are delivered to the job site, the Contractor shall obtain and forward to the Engineer a certified, notarized statement from the manufacturer, containing the catalog numbers of the equipment and/or material, guaranteeing that the equipment and/or material, after manufacture, comply in all respects with the requirements of the Specifications and these Special Provisions.

All material approval requests shall be within thirty (30) consecutive calendar days after the Contract is awarded, or at the pre-construction meeting, whichever is first.

All cost of work and materials required to comply with the above requirements shall be included in the pay item bid prices, under which the subject materials and signal equipment are paid, and no additional compensation will be allowed. Materials and signal equipment not complying with the above requirements that have been installed on the job will be done at the Contractor's own risk and may be subject to removal and disposal at the Contractor's expense.

The Contractor must submit the following for approval by the Engineer:

- Three (3) complete set of manufacturer's descriptive literature, drawings, and specifications of the traffic signal equipment, handholes, junction box, cable, conduit and all associated items that will be installed on the contract. Partial or incomplete submittal will be returned without review.

- The contractor shall supply samples of all wire and cable, and shall make up and supply samples of each type of cable splice proposed for use in the work for the-Engineer's approval.

- Seven (7) complete shop drawings of the mast arm assemblies and poles including combination mast arm poles are required, showing in detail the fabrication, anchor bolts, reinforcing materials, design material, thickness of sections and weld sizes. These drawing shall be at least 11" x 17" (275mm x 425mm) in size and adequate quality for microfilming. Certain non-standard mast arm poles and assembles will require additional review. The Contractor shall account for additional review time in their schedule.

Seven (7) copies of a letter from the Traffic Signal Contractor on company letterhead listing contract number or permit number, project location limits, pay item number and description and listing the manufacturer's name and model numbers of the proposed equipment to be supplied and stating that the proposed equipment meets all Contract requirements. The letter will be reviewed by the Engineer to determine whether the equipment to be used is approvable. The letters will be stamped as approved or not approved accordingly and returned to the Contractor.

- Five (5) copies of a letter from the Traffic Signal Contractor listing the System Coordination and Timing (SCAT) consultant's name shall be supplied. The letter will be reviewed by the Engineer to determine whether the SCAT consultant to be used is approved. The letters will be stamped as approved or not approved accordingly and returned to the Contractor.

- Where certifications and/or warranties are specified. The information submitted for approval shall include certifications and warranties. Certifications involving inspections and/or tests of material shall be complete with all test data, dates and times.

- All above shall be stamped with the Section Number, Permit Number, or Contract Number and Intersection(s) name(s). Pay item numbers shall also be included. If the above required information is not on each sheet of the above literature or letters, the equipment and material cuts will not be reviewed and shall be returned to the Contractor.

- Exceptions, Deviations and Substitutions. In general, exceptions to and deviations from the requirements of the Contract Documents will not be allowed. It is the Contractor's responsibility to note any deviations from Contract requirements at the time of submittal and to make any requests for deviations in writing to the Engineer. In general, substitutions will not be acceptable. Requests for substitutions must demonstrate that the proposed substitution is superior to the material or equipment required by the Contract Documents. No exceptions, deviations or substitutions will be permitted without the approval of the Engineer.

- After the engineer reviews the submittals for conformance with the design concept of the project, the Engineer will stamp the drawings indicating their status. Since the Engineer's review is for conformance with design concept only. It is the Contractor's responsibility to coordinate the various items into a working system as specified. The Contractor shall not be relieved from responsibility for errors or omissions in the shop working, layout drawings, or other documents by the Departments approval thereof. The Contractor must be in full compliance with contract and specification requirements.

Maintenance and Responsibility.

Revise Article 801.11 to read as follows.

a) Existing traffic signal installations and/or any electrical facilities at all or various locations may be altered or reconstructed totally or partially as part of the work on this Contract. The Contractor is hereby advised that all traffic control equipment, presently installed at these locations, may be the property of the State of Illinois, Department of Transportation, Division of Highways, Cook County Highway Department, Private Developer, or the Municipality in which they are located. Once the Contractor has begun any work on any portion of the project all traffic signals within the limits of this contract or those which have the item "Maintenance of Existing Traffic Signal Installation", "Temporary Traffic Signal Installation(s)" and/or "Maintenance of Existing Flashing Beacon Installation", shall become the full responsibility of the Contractor. Automatic Traffic Enforcement equipment is not owned by the County and the Contractor shall not be responsible for maintaining it during construction. The Contractor shall supply the engineer and the Department's Electrical Maintenance Contractor a 24-hour emergency contact name and telephone number.

b) When the project has a pay item for "Maintenance of Existing Traffic Signal Installation", "Temporary Traffic Signal Installation(s)" and/or "Maintenance of Existing Flashing Beacon Installation", the Contractor must notify both the Design Engineer at (312) 603-1730 and the Department's Electrical Maintenance Contractor, of their intent to begin any physical construction work on the Contract or any portion thereof. This notification must be made a minimum of seven (7) working days prior to the start of construction to allow sufficient time for inspection of the existing traffic signal installation(s) and transfer of maintenance to the Contractor. If work is started prior to an inspection, maintenance of the traffic signal installation(s) will be transferred to the Contractor without an inspection. The Contractor will become responsible for repairing or replacing all equipment that is not operating properly or is damaged at no cost to the owner of the traffic signal. Final repairs or replacement of damaged equipment must meet the approval of the Engineer prior to or at the time of final inspection otherwise the traffic signal installation will not be accepted.

c) Projects which call for the storage and re-use of existing traffic signal equipment shall meet the requirements of Article 801.15(C) of the Standard Specifications, which call for a 30 day test period prior to project acceptance.

d) Contracts such as pavement grinding or patching which result in the destruction of traffic signal loops may not require maintenance transfer, unless a pay item of "Maintenance of Existing Traffic Signal Installation" is included in the project. When the pay item of "Maintenance of Existing Traffic Signal Installation" is not included, the Contractor is required to notify of intent to work and an inspection. A minimum of seven (7) working days prior to the loop removal, the Contractor shall notify the Design Engineer at (312) 603-1730, the Department's Electrical Maintenance Contractor and the owner of automatic traffic enforcement prior to the loop removal, at which time arrangements will be made to adjust the traffic controller timing to compensate for the absence of detection. Damaged Automatic Traffic Enforcement equipment, including cameras, detectors, or other peripheral equipment, shall be replaced by others, per Permit agreements or other agreements, at no cost to the contract except for City of Chicago projects in which the detectors

shall be replaced. See additional requirements in these specifications under Inductive Loop Detector.

e) The Contractor is further advised that the existing traffic signal(s), and/or the existing temporary installation(s), must remain in operation during all construction stages except for the most essential down time. Any shutdown of the traffic signal installation(s), for a period to exceed fifteen (15) minutes, must have the prior approval of the Engineer. Such approval will generally only be granted during the period extending from 10:00 a.m. to 3:00 p.m. on weekdays. Shutdowns will not be allowed during inclement weather or during Holiday periods. Any other traffic signal shutdown, either for periods in excess of one (1) hour or outside of the 10:00 a.m. to 3:00 p.m. weekday period must have prior approval of the Engineer. The Contractor, prior to the commencement of his work, shall notify the State Electrical Maintenance Contractor, the Cook County Electrical Maintenance Contractor, or the concerned Municipality, of his intent to perform this work.

f) The Contractor shall be fully responsible for the safe and efficient operation of the traffic signals. Any inquiry, complaint or request by the Department, the Department's Electrical Maintenance Contractor or the public, shall be investigated and repairs begun within one hour. Failure to provide this service will result in liquidated damages of $500 per day per occurrence. In addition, the Department reserves the right to assign any work not completed within this timeframe to the Electrical Maintenance Contractor. All costs associated to repair this uncompleted work shall be the responsibility of the Contractor. Failure to pay these costs to the Electrical Maintenance Contractor within one month after the incident will result in additional liquidated damages of $500 per month per occurrence. Unpaid bills will be deducted from the cost of the Contract. The Department's Electrical Maintenance Contractor may inspect any signalizing device on the Department's highway system at any time without notification.

g) Any proposed activity in the vicinity of a highway-rail grade crossing must adhere to the guidelines set forth in the current edition of the Manual on Uniform Traffic Control Devices (MUTCD) regarding work in temporary traffic control zones in the vicinity of highway-rail grade crossings which states that lane restrictions, flagging, or other operations shall not create conditions where vehicles can be queued across the railroad tracks. If the queuing of vehicles across the tracks cannot be avoided, a uniformed law enforcement officer or flagger shall be provided at the crossing to prevent vehicles from stopping on the tracks, even if automatic warning devices are in place.

Damage to Traffic Signal System.

Add the following to Article 801.12(b).

a) Any damaged equipment or equipment not operating properly from any cause whatsoever shall be repaired with new equipment provided by the contractor at no additional cost to the Contract and/or owner of the traffic signal system all as approved by the Engineer. Final repairs or replacement of damaged equipment must meet the approval of the Engineer prior to or at the time of final inspection otherwise the traffic signal will not be accepted. Cable splices outside the controller cabinet will not be allowed.

b) Automatic Traffic Enforcement equipment, such as Red Light Enforcement cameras, detectors, and peripheral equipment, damaged or not operating properly from any cause whatsoever, shall be the responsibility of the municipality or the Automatic Traffic Enforcement Company per Permit

agreement or other agreements. Except in the City of Chicago in which detectors are damaged due to a County project.

Traffic Signal Inspection (Turn – On).

Revise Article 801.15b to read as follows.

a) The Contractor must have all electric work completed, the electrical service installation connected by the utility company and equipment field tested by the Vendor prior to the Department's "turn-on" field inspection. If in the event the Engineer determines the work is not complete and the inspection will require more than two (2) hours to complete, the inspection shall be canceled and the Contractor will be required to reschedule at another date. The maintenance of the traffic signals will not be accepted until all punch list work is corrected and re-inspected. The Department will not grant a field inspection until written certification is provided from the Contractor stating the equipment has been field tested and the intersection is operating according to Contract requirements.

b) When the road is open to traffic, except as otherwise provided in Section 850 of the Standard Specification, the Contractor may request a turn-on and inspection of the completed traffic signal installation at each separate location. This request must be made to the Design Engineer at (312) 603-1730 a minimum of seven (7) working days prior to the time of the requested inspection. The Department will not grant a field inspection until notification is provided from the Contractor that the equipment has been field tested and the intersection is operating according to Contract requirements. The Department's facsimile number is (312) 603-9956. The Contractor must invite local fire department personnel to the turn-on when Emergency Vehicle Pre-emption (EVP) is included in the project. When the contract includes the item RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM, OPTIMIZE TRAFFIC SIGNAL SYSTEM, or TEMPORARY TRAFFIC SIGNAL TIMINGS, the Contractor must notify the SCAT Consultant of the turn-on schedule, as well as stage changes and phase changes during construction.

c) The Contractor must have all traffic signal work completed and the electrical service installation connected by the utility company prior to requesting an inspection and turn-on of the traffic signal installation. The Contractor shall be responsible to provide a Police Officer to direct traffic at the time of testing.

d) The Contractor shall provide a representative from the control Equipment Vendor's office to attend the traffic signal inspection for both permanent and temporary traffic signal turn-ons. Upon demonstration that the signals are operating and all work is completed in accordance with the Contract and to the satisfaction of the Engineer, the Engineer will then allow the signals to be placed in continuous operation. The Agency that is responsible for the maintenance of each traffic signal installation will assume the maintenance upon successful completion of this inspection.

e) Acceptance of the traffic signal equipment by the Department shall be based upon inspection results at the traffic signal turn-on. If approved, traffic signal acceptance shall be verbal at the turn-on inspection followed by written correspondence from the Engineer. The Contractor shall be responsible for all traffic signal equipment and associated maintenance thereof until Departmental acceptance is granted.

f) All equipment and/or parts to keep the traffic signal installation operating shall be furnished by the Contractor. No spare traffic signal equipment is available acceptable from the Department.

g) All punch list work shall be completed within two (2) weeks after the final inspection. The Contractor shall notify the Design Engineer at (312) 603-1730 to inspect all punch list work. Failure to meet these time constraints shall result in liquidated damage charges of $500 per month per incident.

h) All cost of work and materials required to comply with the above requirements shall be included in the pay item bid prices under which the subject materials and signal equipment are paid and no additional compensation will be allowed. Materials and signal equipment not complying with the above requirements that have been installed on the job will be at the Contractor's own risk and shall be subject to removal and disposal at the Contractor's expense.

i) The Contractor shall furnish the Cook County Highway Department with any special tools or wrenches that may be required for assembling or maintaining the control equipment and traffic control signal head assemblies.

j) All control cable, when complete in place but before permanent connection, shall be subject to insulation tests at the discretion of the Engineer. The tests shall be made with approved insulation resistance testing equipment rated at 500 volts D.C. and witnessed by the Engineer. Results of these tests shall be submitted to the Department in written form, bearing the Engineers signature and shall become part of the project records. A final inspection of the traffic signal installation shall not be held until results of this insulation test have been received.

k) All equipment such as new controllers and allied central equipment with the exception of cable, conduit, and other materials which require the use of the State of Illinois Materials Testing Laboratories, shall be built in the suppliers shop and inspected by a representative of this Department prior to the installation of such equipment, and upon approval of this equipment an inspection ticket will be issued to the Contractor by the inspection agency (State of Illinois Material Testing Laboratory or the Cook County Highway Mechanical-Electrical Section). The controller and allied control equipment shall be prepared in the suppliers shop and run under a load of a minimum of 500 watts per phase for at least 48 hours before it is inspected for proper operation and sequencing. After it passes this test an inspection ticket will be issued by the Cook County Highway Mechanical-Electrical Section representative and it can then be delivered to the job site for installation.

l) Upon completion of the installation, a final inspection will be carried out by qualified representatives of the Highway Agencies involved.

m) If the Contractor fails to comply with any of the aforementioned requirements, the County shall impose such sanction as it may determine to be appropriate including but not limited to withholding all payments to the Contractor on this contract until the provisions of this special provision are complete with and/or implementation of article 108.10 of the standard specifications.

At the final inspection it will be required that the Contractor will have submitted to the Engineer all necessary inspection tickets for all new equipment and materials installed under this Contract. If the Contractor has not obtained the inspection tickets on any portion of the new equipment and materials, the representative of this Department will have the authority to postpone the final inspection until such time as

the above has been satisfied. Any postponement of the final inspection for this reason shall not relieve the Contractor of his full maintenance responsibilities until such time as the installation is re-inspected and accepted by the County.

The County requires the following from the Contractor at traffic signal turn-on.

1) The Contractor shall, at the turn-on furnish one set of signal plans (24"x36") of record with field revisions marked in red ink to the maintaining agency.

2) Written notification from the Contractor and the Equipment Vendor of satisfactory field testing.

3) A knowledgeable representative of the controller equipment supplier shall be required at the permanent and temporary traffic signal turn-on. The representative shall be knowledgeable of both cabinet design and controller functions and shall have sufficient test and spare equipment to make the traffic signal installation operational.

4) A copy of the approved material letter.

5) One (1) copy of the operation and service manuals of the signal controller and associated control equipment.

6) Five (5) copies 11" x 17" (280 mm X 430 mm) or 22" x 34" (560 mm x 860 mm) of the cabinet wiring diagrams and cable logs.

7) The controller manufacturer shall supply a printed form, not to exceed 11" x 17" (280 mm x 430 mm), for recording the traffic signal controller's timings; backup timings, coordination splits, offsets, cycles; TBC; Time of Day, week and year programs; traffic responsive program, detector phase assignment, type and detector switching; and any other functions programmable from the keyboard. The form shall include a location, date, manufacturers name, controller model and software version. The form shall be approved by the Engineer and a minimum of three (3) copies must be furnished at each turn-on. The manufacturer must provide all programming information used within the controller at the time of turn-on.

Location of Underground State and County Maintained Facilities.

Revise Article 803 to read as follows.

If this contract requires the services of an electrical contractor, the Contractor shall be responsible at his/her own expense for locating existing IDOT and CCHD facilities prior to performing any work. If this contract does not require the services of electrical contractor, the Contractor may request one free locate for existing IDOT and CCHD electrical facilities from the Electrical Maintenance Contractor(s) prior to the start of any work. Additional requests may be at the expense of the Contractor. The location of underground traffic facilities does not relieve the Contractor of their responsibility to repair any facilities damaged during construction at their expense.

The exact location of all utilities shall be field verified by the Contractor before the installation of any components of the traffic signal system. For locations of utilities, locally owned equipment, and leased enforcement camera system facilities, the local Counties or Municipalities may need to be contacted, in the City of Chicago contact D.I.G.G.E.R. at (312) 744-7000 and for all other locations contact J.U.L.I.E. at 1-800-892-0123 or 811.

Basis of Payment. This work will not be paid for directly but shall be considered as incidental to the contract.

SPECIAL PROVISION
FOR
SIGNAL HEAD, OPTICALLY PROGRAMMED
SIGNAL HEAD AND PEDESTRIAN SIGNAL HEAD

The installation of a signal head, optically programmed signal head and pedestrian signal head shall meet the applicable requirements of Sections 880, 881 and 1078 of the Standard Specifications, except as follows:

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 corrosive resistant anti-seize lubricant shall be applied to all metallic 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.

Bracket mounted signal heads shall be mounted with stainless steel bands at both the top and bottom of the head.

The signal visors that are furnished with a signal head shall be made of the same kind of material as the signal head.

Signal heads shall be positioned according to the "District 1 Standard Traffic Signal Design Details."

A signal head mounted to a signal post or a mast arm pole shall have a minimum clearance of ten (10) feet (3 m) above the pavement. Optically Programmed signal heads used for distance limiting shall have a minimum clearance of twelve (12) feet (3.6 m) above the pavement. These standard mounting heights shall apply unless otherwise specified.

Pedestrian signal head lenses shall be furnished with the international symbolic "Walking Person" and "Upraised Palm". The visor shall be of the tunnel type. Egg crate sun shields are not permitted. The normal mounting height shall be seven (7) feet (2.1 m) above the pavement or sidewalk.

Lamps shall be manufactured by Duratest, Sylvania, or an approved equal.

Basis of Payment. This work will be paid for at the contract unit price EACH for SIGNAL HEAD, OPTICALLY PROGRAMMED SIGNAL HEAD, OR PEDESTRIAN SIGNAL HEAD of the type specified, which price shall be payment in full for furnishing and installing the signal head, optically programmed signal head, or pedestrian signal head complete. If a signal head with both conventional and optically programmed signal faces is required, it will be paid for as a COMBINATION SIGNAL HEAD.

The type specified shall indicate the number of signal faces, the number of signal sections in each signal face and the method of mounting. The sizes of the lenses shall be as indicated on the Plans. For example: SIGNAL HEAD, 1-FACE, 4-SECTION, BRACKET MOUNTED or PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED.

SPECIAL PROVISION
FOR
SIGNAL HEAD, LIGHT EMITTING DIODE

This work shall consist of furnishing and installing a traffic signal head or pedestrian signal head with light emitting diodes (LED) of the type specified in the plan or retrofitting an existing traffic signal head with a traffic signal module or pedestrian signal module with LEDs as specified in the plans.

LED signal heads (All Face and Section Quantities), (All Mounting Types) shall conform fully to the requirements of Sections 880 and 881 and Articles 1078.01 and 1078.02 of the Standard Specifications amended herein:

1. The LED signal modules shall be replaced or repaired if an LED signal module fails to function as intended due to workmanship or material defects within the first 60 months from the date of delivery. LED signal modules which exhibit luminous intensities less than the minimum values specified in Table 1 of the ITE Vehicle Traffic Control Signal Heads: Light Emitting Diode (LED) Circular Signal Supplement (June 27, 2005) [VTSCH] or applicable successor ITE specifications, or show signs of entrance of moisture or contarninants within the first 60 months of the date of delivery shall be replaced or repaired. The manufacturer's written warranty for the LED signal modules shall be dated, signed by an Officer of the company and included in the product submittal to thc County.

2. Each module shall consist of an assembly that utilizes LEDs as the light source in lieu of an incandescent lamp for use in traffic signal sections.

(a) Physical and Mechanical Requirements

1. Modules can be manufactured under this specification for the following faces:

   a. 12 inch (300 mm) circular, multi-section
   b. 12 inch (300 mm) arrow, multi-section
   c. 12 inch (300 mm) pedestrian, 2 sections

2. The maximum weight of a module shall be 4 lbs. (1.8 kg).

3. Each module shall be a sealed unit to include all parts necessary for operation (a printed circuit board, power supply, a lens and gasket, etc.), and shall be weather proof after installation and connection.

4. Material used for the lens and signal module construction shall conform to ASTM specifications for the materials.

5. The lens of the module shall be tinted with a wavelength-matched color to reduce sun phantom effect and enhance on/off contrast. The tinting shall be uniform across the lens face. Polymeric lens shall provide a surface coating or chemical surface treatment applied to provide abrasion resistance. The lens of the module shall be integral to the unit, convex with a smooth outer surface and made of plastic. The lens shall have a textured surface to reduce glare.

6. The use of tinting or other materials to enhance ON/OFF contrasts shall not affect chromaticity and shall be uniform across the face of the lens.

7. Each module shall have a symbol of the type of module (i.e. circle, arrow, etc.) in the color of the module. The symbol shall be 1 inch (25.4 mm) in diameter. Additionally, the color shall be written out in 1/2 inch (12.7mm) letters next to the symbol.

(b) Photometric Requirements

1. The minimum initial luminous intensity values for the modules shall conform to the values in Table 1 of the VTCSH (2005) for circular signal indications, and as stated in Table 3 of these specifications for arrow and pedestrian indications at 25°C.

2. The modules shall meet or exceed the illumination values stated in Article 1078.01(3)c of the Standard Specifications for circular signal indications, and Table 3 of these specifications for arrow and pedestrian indications, throughout the useful life based on normal use in a traffic signal operation over the operating temperature range.

3. The measured chromaticity coordinates of the modules shall conform to the chromaticity requirements of Section 4.2 of the VTCSH (2005) or applicable successor ITE specifications.

4. The LEDs utilized in the modules shall be AlInGaP technology for red, yellow, Portland orange (pedestrian) and white (pedestrian) indications, and GaN for green indications, and shall be the ultra bright type rated for 100,000 hours of continuous operation from -40°C to +74°C.

(c) Electrical

1. Maximum power consumption for LED modules is per Table 2.

2. Operating voltage of the modules shall be 120 VAC. All parameters shall be measured at this voltage.

3. The modules shall be operationally compatible with currently used controller assemblies (solid state load switches, flashers, and conflict monitors).

4. When a current of 20 mA AC (or less) is applied to the unit, the voltage read across the two leads shall be 15 VAC or less.

5. The LED modules shall provide constant light output under power. Modules with dimming capabilities shall have the option disabled or set on a non-dimming operation.

6. The individual LEDs shall be wired such that a catastrophic loss or the failure of one or more LED will not result in the loss of the entire module.

(d) Retrofit Traffic Signal Module

1. The following specification requirements apply to the Retrofit module only. All general specifications apply unless specifically superseded in this section.

2. Retrofit modules can be manufactured under this specification for the following faces:

   a. 12 inch (300 mm) circular, multi-section
   b. 12 inch (300 mm) arrow, multi-section
   c. 12 inch (300 mm) pedestrian, 2 sections

3. Each Retrofit module shall be designed to be installed in the doorframe of a standard traffic signal housing. The Retrofit module shall be sealed in the doorframe with a one-piece EPDM (ethylene propylene rubber) gasket.

4. The maximum weight of a Retrofit module shall be 4 lbs. (1.8 kg).

5. Each Retrofit module shall be a sealed unit to include all parts necessary for operation (a printed circuit board, power supply, a lens and gasket, etc.), and shall be weather proof after installation and connection.

6. Electrical conductors for modules, including Retrofit modules, shall be 39.4 inches (1m) in length, with quick disconnect terminals attached.

7. The lens of the Retrofit module shall be integral to the unit, shall be convex with a smooth outer surface and made of plastic or of glass.

(e) The following specification requirements apply to the 12 inch (300 mm) arrow module only. All general specifications apply unless specifically superseded in this section.

1. The arrow module shall meet specifications stated in Section 9.01 of the Equipment and Material Standards of the Institute of Transportation Engineers (November 1998) [ITE Standards], Chapter 2 (Vehicle Traffic Control Signal Heads) for arrow indications.

2. The LEDs arrow indication shall be a solid display with a minimum of three (3) outlining rows of LEDs and at least one (1) fill row of LEDs.

(f) The following specification requirement applies to the 12 inch (300 mm) programmed visibility PV module only. All general specifications apply unless specifically superseded in this section.

1. The module shall be a module designed and constructed to be installed in a programmed visibility (PV) signal housing without modification to the housing.

(g) The following specification requirements apply to the 12 inch (300 mm) Pedestrian module only. All general specifications apply unless specifically superseded in this section.

1. Each pedestrian signal LED module shall provide the ability to actuate the solid upraised hand and the solid walking person on one 12 inch (300mm) section.

2. Two (2) pedestrian sections shall be installed. The top section shall be wired to illuminate only the upraised hand and the bottom section shall be the walking man.

3. "Egg Crate" type sun shields are not permitted. All figures must be a minimum of 9 inches (225mm) in height and easily identified from a distance of 120-feet (36.6m).

Basis of Payment. This item shall be paid for at the contract unit price EACH for SIGNAL HEAD, LED, or OPTICALLY PROGRAMMED SIGNAL HEAD, LED, PEDESTRIAN SIGNAL HEAD, LED, of the type specified, which price shall be payment in full for furnishing the equipment described above including signal head, LED(s) modules, all mounting hardware, and installing them in satisfactory operating condition. The type specified will indicate the number of signal faces, the number of signal sections, and the method of mounting.

When installed in an existing signal head, this item shall be paid for at the contract unit price EACH for SIGNAL HEAD, LED, OPTICALLY PROGRAMMED SIGNAL HEAD, LED, PEDESTRIAN SIGNAL HEAD, LED of the type specified, RETROFIT, which price shall be payment in full for furnishing the equipment described above including LED(s) modules, all mounting hardware, and installing them in satisfactory operating condition. The type specified will indicate the number of signal faces, the number of signal sections, and the method of mounting.

Table 2 Maximum Power Consumption (in Watts)

	Red		Yellow		Green	
Temperature	25°C	74°C	25°C	74°C	25°C	74°C
12 inch (300 mm) circular	11	17	22	25	15	15
12 inch (300 mm) arrow	9	12	10	12	11	11
	Hand–Portland Orange		Person-White			
Pedestrian Indication	6.2		6.3			

Table 3 Minimum Initial & Maintained Intensities for Arrow and Pedestrian Indications (in cd/m^2)

	Red	Yellow	Green
Arrow Indication	5,500	11,000	11,000

SPECIAL PROVISION
FOR
TRAFFIC SIGNAL BACKPLATE

The furnishing and installation of this item shall meet the requirements of Section 882 and 1078.03 of the Standard Specifications, except as follows:

Backplates shall be aluminum and louvered with a minimum thickness of 0.05 inch (1.3 mm).

The surface of the backplate shall provide openings (louvers) to allow wind to penetrate and thereby reduce the wind loading on the mast arm and pole. The louver openings shall cover a minimum of twenty (20) percent of the surface area of the backplate. The louvers shall be designed not to deter the purpose of the backplate, which is to shield the signal lens from sunlight. The louvers shall be spaced symmetrically on the backplate in such a way as not to adversely affect its structural integrity.

When more than one backplate is mounted on a pole or post, their louvered symmetry shall be the same.

Basis of Payment. This work will be paid for at the contract unit price EACH for TRAFFIC SIGNAL BACKPLATE, Louvered, Aluminum, which price shall be payment in full for furnishing and installing the traffic signal backplate complete.

SPECIAL PROVISION
FOR
STEEL MAST ARM ASSEMBLY AND POLE AND/OR STEEL COMBINATION MAST ARM ASSEMBLY AND POLE

The furnishing and installation of a steel mast arm assembly and pole and/or steel combination mast arm assembly and pole shall meet the requirements of Section 877 and 1077.03 of the Standard Specifications, Plans, and the Standard Drawings for Mast Arm Assembly and Pole, except as follows:

The steel mast arm assembly and pole and steel combination mast arm assembly and pole shall consist of a traffic signal mast arm, a Luminaire mast arm or davit (for combination pole only), a pole, and a base, together with anchor rods and other appurtenances. The configuration of the mast arm assembly, pole, and base shall be according to the details shown on the plans.

The mast arm assembly and pole, and combination mast arm assembly pole shall be designed for the loading shown on the Highway Standards or elsewhere on the plans whichever is greater. The design shall be according to AASHTO "Standard Specification for Structural Supports for Highway signs, Luminaries And Traffic Signals" 1994 edition for 80 mph (130km/hr) wind velocity.

However, the arm to pole connection for tapered signal and Luminaire arms shall be according to the "ring plate" detail as shown in Figure 11-1(f) of the 2002 Interim, to the AASHTO to "Standard Specification for Structural Supports for Highway Signs, Luminaire and Traffic Signals" 2001 4th edition.

Prior to the final acceptance of any steel mast arm assembly and pole and/or steel combination mast arm assembly and pole, the Contractor must furnish to the Engineer a certified, notarized mill analysis of the material used in the steel mast arm assembly and pole and/or steel combination mast arm assembly and pole complete including any other requirements in the Special Provision or Specifications.

The steel mast arm assembly and pole and/or steel combination mast arm assembly and pole furnished shall conform to the Standard Drawings for Mast Arm Assembly and Pole. The traffic signal mast arms shall be of one-piece construction, unless otherwise approved by the Engineer. All poles shall be galvanized.

All bolts on the mast arm assembly and pole and foundation to have a minimum exposure of at least one thread outside the nut when fully tightened.

The components of a steel mast arm assembly and pole and/or steel combination mast arm assembly and pole shall be assembled and erected in accordance with the details shown on the plans. The pole shall be erected vertically on a concrete foundation. The Contractor shall furnish and install leveling and locking nuts and required washers for mounting and plumbing the pole on the anchor bolts. Prior to the approval of the installation, the Contractor shall brush or spray on two (2) coats of "Brite Zinc" galvanized compound to any scratched areas. The pole shall be grounded to a ground rod in accordance with the details shown on the plans.

The base of the mast arm pole shall be protected by a galvanized steel or extruded aluminum shroud for protection of the mast arm pole base plate similar to the dimensions detailed in the "District 1 Standard Traffic Signal Design Details." The shroud shall be of sufficient strength to deter pedestrian and vehicular damage. The shroud shall allow air to circulate throughout the mast arm but not allow manifestation of insects or other animals and such that it is not hazardous to probing fingers and feet. All mounting hardware shall be stainless steel. The Shroud shall not be paid for separately but shall be included in the cost of the mast arm assembly and pole.

The steel mast arm assembly and pole and/or steel combination mast arm assembly and pole shall be designed to support signal heads, signs, illuminated signs, luminare, camera and other attachments as shown on the plans. Refer to the Standard Drawings for Mast Arm Assembly and Pole for design loadings and projected area with wind load based on an 80 mile per hour (130 km/h) wind velocity plus 30 percent gust factor.

Structural Steel Grade. The mast arm and pole shall be fabricated according to ASTM A 595, Grade A or B, ASTM A 572 Grade 55, or ASTM A 1011 Grade 55 HSLAS Class 2. The base and flange plates shall be of structural steel according to AASHTO M 270 Grade 50 (M 270M Grade 345). Luminaire arms and trussed arms 15 ft (4.5 m) or less shall be fabricated from one steel pipe or tube size according to ASTM A 53 Grade B or ASTM A 500 Grade B or C. All mast arm assemblies, poles, and bases shall be galvanized according to AASHTO M 111.

Fabrication. The design and fabrication of the mast arm assembly, pole, and base shall be according to the requirements of the Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals published by AASHTO. The mast arm and pole may be of single length or sectional design. If section design is used, the overlap shall be at least 150 percent of the maximum diameter of the overlapping section and shall be assembled in the factory.

Anchor Rods. The anchor rods shall be ASTM F 1554 Grade 105, coated by the hot-dip galvanizing process according to AASHTO M 232, and shall be threaded a minimum of 7 1/2 in. (185 mm) at one end and have a bend at the other end. The first 12 in. (300 mm) at the threaded end shall be galvanized. Two nuts, one lock washer, and one flat washer shall be furnished with each anchor rod. All nuts and washers shall be galvanized.

In addition to the signal loading, the steel mast arm assembly and pole, and/or steel combination mast arm assembly and pole shall be structurally adequate to support a maximum of two (2) sign panels 30" x 72" (750 mm x 1,800 mm) in size mounted back to back, one LED street sign 96 5/8" x 22 5/16" with 92 pounds and one (1) sign panels 30" x 24" (750 mm x 600 mm) in size mounted from 3 feet (900 mm) from end of the mast arm. The actual size and number of the sign panel(s) to be furnished and installed and the details of mounting shall be as shown on the County Standard Drawing of "ILLUMINATED STREET NAME SIGN MOUNTING DETAIL".

Signs attached to poles or posts (such as mast arm signs) shall have mounting brackets and sign channels which are equal to and completely interchangeable with those used by the Department. Signfix Aluminum Channel Framing System is currently recommended, but other brands of mounting hardware are acceptable based upon the Department's approval.

Basis of Payment. This work will be paid for at the contract unit price EACH for STEEL MAST ARM ASSEMBLY AND POLE, and/or STEEL COMBINATION MAST ARM ASSEMBLY AND POLE of the size(s) specified which price shall be payment in full for furnishing and installing the steel mast arm assembly and pole and/or steel combination mast arm assembly and pole, anchor bolts, nuts, washers, and connected to a ground rod as shown on the Standard, complete.

SPECIAL PROVISION
FOR
TRAFFIC ACTUATED CONTROLLER
TRAFFIC ACTUATED CONTROLLER WITH CABINET
INDUCTIVE LOOP DETECTOR

The furnishing and installation of a traffic actuated controller and an inductive loop detector shall meet the requirements of Section 857, 885, 1073, 1074.03 and 1079.01 of the Standard Specifications, except as revised with this Special Provision.

The new and/or temporary controller and all control equipment shall be of a manufacturer that is approved by this Department. The manufacturer shall have a representative located in the six (6) county Chicago areas. The Controller shall be NTCIP compliant NEMA TS2 type 1 Econolite ASC/3S-1000 or Eagle/Siemens M50 unless specified otherwise on the plans or elsewhere on these specifications. The controller shall be the most recent model and software version supplied by the manufacturer at the time of the approval and include the standard data key. The traffic signal controller shall provide features to inhibit simultaneous display of a circular yellow ball and a yellow arrow display. Individual load switches shall be provided for each vehicle, pedestrian, and right turn over lap phase. The controller shall prevent phases from being skipped during program changes and after all pre-emption events.

The malfunction monitor unit shall be an EDI Model MMU-16E or equivalent.

Contracts requiring new cabinets shall provide for rack mounted detector amplifier cards. Detector amplifiers shall be provided with LCD displays with loop frequency, inductance and change of inductance readings. When calling detectors are called for on the plans, the amplifier shall have the capability of providing vehicle calls to a particular phase when that phase is not in use.

Cabinets shall be designed for NEMA TS2 Type 1 operation. The cabinet shall provide a minimum of sixteen (16) pre-wired load bays for eight (8) phases of vehicular, four (4) phases of pedestrian and four (4) phases of overlap operation and pedestrian pushbutton isolation. Isolation cards will be required for all pedestrian pushbuttons.

- Cabinets – Provide 1/8" (3.2 mm) thick unpainted aluminum alloy 5052-H32. The surface shall be smooth, free of marks and scratches. All external hardware shall be stainless steel.
- Controller Harness – Provide a TS2 Type 2 "A" wired harness in addition to the TS2 Type 1 harness.
- Surge Protection – Plug-in type EDCO SHA-1250 or Atlantic/Pacific approved equal.
- BIU – Containment screw required.
- Transfer Relays – Solid state or mechanical flash relays are acceptable.
- Switch Guards – All switches shall be guarded.
- The controller cabinet must have two (2) porcelain light fixtures with metal cage protection controlled by a separate toggle switch, and a thermostat.
- Plan & Wiring Diagrams – 12" x 16" (305 mm x 406 mm) or 22" x 34" (560 mm x 860 mm) moisture sealed container attached to door.
- Detector Racks – Fully wired and labeled for four (4) channels of emergency vehicle pre-emption and sixteen channels (16) of vehicular operation.

- Field Wiring Labels – All field wiring shall be labeled.
- Field Wiring Termination – Approved channel lugs required.
- Power Panel – Provide a nonconductive shield.
- Circuit Breaker – The circuit breaker shall be sized for the proposed load but shall not be rated less than 30 amps.
- Police Door – Provide wiring and termination for plug in manual phase advance switch.
- Railroad Pre-Emption Test Switch – Eaton 8830K13 SHA 1250 or equivalent.

Controller and cabinet interconnected with railroads shall be new and NEMA TS2 type 1. In addition to the aforementioned equipment specifications, the following shall apply to railroad interconnected equipment:

Controller shall comply with Article 1073.01 as amended in these Traffic Signal Special Provisions.

Controller Cabinet and Peripheral Equipment shall comply with Article 1074.03 as amended in these Traffic Signal Special Provisions.

Add the following to Articles 1073.01 (c) (2) and 1074.03 (a) (5) (e) of the Standard Specifications:

Controllers and cabinets shall be new and NEMA TS2 Type 1 design.

A method of monitoring and/or providing redundancy to the railroad preemptor input to the controller shall be included as a component of the Railroad, Full Actuated Controller and Cabinet installation and be verified by the traffic signal equipment supplier prior to installation.

Railroad interconnected controllers and cabinets shall be supplied and assembled only by an approved IDOT closed loop traffic signal equipment supplier. All railroad interconnected (including temporary railroad interconnect) controllers and cabinets shall be new, built, tested and approved by the controller equipment vendor, in the vendor's District One facility, prior to field installation. The vendor shall provide the technical equipment and assistance as required by the Engineer to fully test this equipment.

Basis of Payment. This work will be paid for at the contract unit price EACH for INDUCTIVE LOOP DETECTOR, and/or FULL-ACTUATED CONTROLLER AND CABINET or RAILROAD, FULL ACTUATED CONTROLLER AND CABINET (if required) of the type specified, which price shall be payment in full for furnishing and installing the inductive loop detector complete with all harnesses and connections for proper operation, and/or for furnishing and installing the controller complete, including malfunction monitor unit, load switches, flashers, flash transfer relays, etc. in a new cabinet or an existing cabinet as specified, with the necessary connections for proper operation.

SPECIAL PROVISION
FOR
DETECTOR LOOP

This work shall consist of furnishing and installing detector loop in accordance with the requirements of Section 886 of the Standard Specifications, except as follows:

Description.
This work shall consist of furnishing and installing a detector loop in the pavement.

Procedure.
A minimum of seven (7) working days prior to the Contractor cutting loops, the Contractor shall have the proposed loop locations marked and contact the CCHD Design Engineer at (312) 603-1730 to inspect and approve the layout. When preformed detector loops are installed, the Contractor shall have them inspected and approved prior to the pouring of the portland cement concrete surface, using the same notification process as above.

Installation.
Each loop lead-in shall be placed in a separate conduit from edge of pavement to handhole. Loop detectors shall be installed according to the requirements of the "District 1 Standard Traffic Signal Design Details". Saw-cuts (homerun on preformed detector loops) from the loop to the edge of pavement shall be made perpendicular to the edge of pavement when possible in order to minimize the length of the saw cut (homerun on preformed detector loops) unless directed otherwise by the Engineer or as shown on the plans. Spacing between the lead-ins (holes drilled in the pavement) shall not be less than one (1) foot (300 mm) and shall be located one (1) foot (300 mm) from the edge of pavement. Loop lead-in wires should be twisted to provide a minimum of five (5) turns per foot (fifteen [15] turns per meter) from the loop to the splice.

The cable splice connection of the detector loop and the lead-in cable to the controller shall conform to Section 873 of the Standard Specifications or the requirements set forth in the "District 1 Standard Traffic Signal Design Details".

Each loop detector lead-in wire shall be labeled in the handhole using a Panduit PLFIM water proof tag or approved equal secured to each wire with nylon ties. The lead-in wire, including all necessary connections for proper operation, from the edge of pavement to the handhole shall be incidental to the price of the detector loop.

The detector loop cable insulation shall be labeled with the cable specifications.

Resistance to ground shall be a minimum of 100 megohms under any conditions of weather or moisture. Inductance shall be more than 50 and less than 700 microhenries. Quality readings shall be greater than 5.

Type 1:

- All loops installed in new asphalt pavement shall be installed in the binder course and not in the surface course. The edge of pavement or the curb shall be cut with a 1/4" (6.3 mm) x 4" (100 mm) long sawcut to mark the location of each loop lead-in.

- Loop sealant shall be a two-component thixotropic chemically cured polyurethane either Chemque Q-Seal 295, Perol Elastic Cement A/C Grade or an approved equal. The sealant shall be installed 1/8" (3 mm) below the pavement surface, if installed above the surface the overlap shall be removed immediately.
- Detector loop measurements shall include the sawcut and the length of the loop lead-in leading to the edge of pavement. The lead-in wire, including all necessary connections for proper operations, from the edge of pavement to the handhole, shall be incidental to the price of the detector loop. Unit duct, trench and backfill, and drilling of pavement or handholes shall be incidental to detector loop quantities.

- The corners of all loops shall be core drilled with a two (2) inch (50 mm) bit. All joints and cracks in the pavement that the loop crosses must be core drilled.

Preformed:

- This work shall consist of furnishing and installing a rubberized heat resistant preformed traffic signal loop in accordance with the Standard Specifications, except for the following:

- Preformed detector loops shall be installed in new pavement constructed of portland cement concrete using mounting chairs or tied to re-bar or the preformed detector loops may be placed in the sub-base. Loop lead-ins shall be extended to a temporary protective enclosure near the proposed handhole location. The protective enclosure shall provide sufficient protection from other construction activities and may be buried for additional protection.

- Handholes shall be placed next to the shoulder or back of curb when preformed detector loops enter the handhole. Non-metallic coilable duct, included in this pay item, shall be used to protect the preformed lead-ins from back of curb to the handhole.

- Preformed detector loops shall be factory assembled with ends capped and sealed against moisture and other contaminants. Homeruns and interconnects shall be pre-wired and shall be an integral part of the loop assembly. The loop configurations and homerun lengths shall be assembled for the specific application. The loop and homerun shall be constructed using 11/16" (17.2 mm)outside diameter (minimum), 3/8" (9.5 mm) inside diameter (minimum) Class A oil resistant synthetic cord reinforced hydraulic hose with 250 psi (1,720 kpa) internal pressure rating or a similar sized XLPE cable jacket. Hose for the loop and homerun assembly shall be one continuous piece. No joints or splices shall be allowed in the hose except where necessary to connect homeruns or interconnects to the loops. This will provide maximum wire protection and loop system strength. Hose tee connections shall be heavy duty high temperature synthetic rubber. The tee shall be of proper size to attach directly to the hose, minimizing glue joints. The tee shall have the same flexible properties as the hose to insure that the whole assembly can conform to pavement movement and shifting without cracking or breaking. For XLPE jacketed preformed loops, all splice connections shall be soldered, sealed, and tested before being sealed in a high impact glass impregnated plastic splice enclosure. The wire used shall be #16 THWN stranded copper.

The number of turns in the loop shall be application specific. Homerun wire pairs shall be twisted a minimum of four turns per foot. No wire splices will be allowed in the preformed loop assembly. The loop and homeruns shall be filled and sealed with a flexible sealant to insure complete moisture blockage and further protect the wire. The preformed loops shall be constructed to allow a minimum of 6.5 feet of extra cable in the handhole. Six foot (1.8 m) round loop(s) may be substituted for six foot (1.8 m) by six foot (1.8 m) square loop(s) and shall be paid for as 24 feet (7.2 m) of detector loop.

Method of Measurement.
This work will be measured for payment in feet (meters) in place. Type I detector loop will be measured along the sawed slot in the pavement containing the loop and lead-in, rather than the actual length of the wire. Preformed detector loops will be measured along the detector loop and lead-in embedded in the pavement, rather than the actual length of the wire.

Basis of Payment. This work will be paid for at the contract unit price per FOOT (METER) of DETECTOR LOOP, TYPE I or PREFORMED DETECTOR LOOP, as specified in the plans, which price shall be payment in full and for furnishing, installing and testing the Detector Loop and all related connections for proper operation.

SPECIAL PROVISION
FOR
CONDUIT

The installation of a conduit shall meet the requirements of Sections 810 of the Standard Specifications, except as revised with this Special Provision.

Pavement, driveways, and curbs shall not be removed to install electrical conduits.

All conduit installed underground shall have a minimum depth of two feet six inches (2'-6" [760 mm]) except under railroad tracks where the conduit shall be a minimum of five feet (5' [1.52 m]) as measured to the outside diameter of the conduit on the top side.

All conduit splices shall be solid threaded couplings. Conduit terminating in junction and pull boxes shall be terminated with hubs, integral box hubs, or integral box bosses.

Directional boring or plowing will be allowed in place of trenched and backfilled or pushed conduit, but no additional compensation will be allowed.

All conduit attached to a structure shall have a minimum of one (1) expansion joint placed within the length of the attached conduit. At each end of the structure the Contractor shall install a weatherproof galvanized cast iron box with a minimum size of 8" (200 mm) x 8"(200 mm) x 6" (150 mm) deep. The installation of these two (2) boxes and any required expansion joints shall be considered incidental to the unit price for conduit attached to structure.

Basis of Payment. This work will be paid for at the contract unit price per FOOT (METER) for CONDUIT IN TRENCH, CONDUIT PUSHED or CONDUIT ATTACHED TO STRUCTURE, of the type and size specified, which price shall be payment in full for furnishing and installing the conduit and fittings complete. Trench and Backfill will be paid for separately.

SPECIAL PROVISION
FOR
COILABLE NON-METALLIC CONDUIT

This work shall consist of furnishing and installing empty Coilable Non-Metallic Conduit (CNC) in trench of the type and size specified. The installation of CNC shall meet all applicable requirements of the Standard Specifications of Section 810 and 811. All installations of CNC shall be incidental to the contract and not paid for separately. polyethylene duct shall be used for all detector loop raceways to handholes. All duct shall be placed a minimum depth of 30 inches (750 mm) or as shown on the contract plans or standard details.

The conduit shall be a polyethylene duct which is intended for underground use and which can be manufactured and coiled or reeled in continuous transportable lengths and uncoiled for further processing and/or installation without adversely affecting its properties of performance. The conduit and its manufacture shall conform to the standards of NEMA Publication TC7, ASTM Standard Specifications D3485 and NEC Article 353.

On temporary traffic signal installations with detector loops, CNC shall be used for detector loop raceways from the saw-cut to 10 feet (3 m) up the wood pole, unless otherwise shown on the plans.

Material. The conduit shall be manufactured from high density polyethylene complying with ASTM D1248, Type III, Class C and the requirements listed in Table 2-1 of NEMA TC7. Submittal information shall demonstrate compliance with the details of these requirements.

Construction. Conduit dimensions shall conform to the standards listed in Table 2-2 of NEMA TC7. Submittal information shall demonstrate compliance with these requirements.

As specified in NEMA TC7, the conduit shall be clearly and durably marked at least every 10 feet (3 meters) with the material designation (HDPE for high density polyethylene), nominal size of the conduit and the name and/or trademark of the manufacturer.

Freeze-up Test:. A ten foot length of the conduit bent into an upright "U" shape shall be filled with water and then placed in a low temperature cabinet and maintained at -20 degrees C for 24 hours. The conduit shall not crack or burst during the test.

Compression Test. The test shall be conducted on a six inch (150 mm) sample of the conduit. Samples are placed between six inch (150 mm) plates and compressed at the rate of one-half inch (12.5 mm) per minute until the distance between the plates is reduced by 50%, recording the load required to compress the conduit. The samples are then removed and allowed to stand for exactly 5 minutes. The load required to compress the sample shall be equal to or greater than that listed below and the conduit shall have returned to nor less than 85% of its original diameter at the end of the 5 minutes.

Nominal Size		Load
¾ inch.	20 mm	122 lbs.
1 inch.	25 mm	167 lbs.
1 ¼ inch.	30 mm	243 lbs.
1 ½ inch.	40 mm	297 lbs.
2 inch.	50 mm	387 lbs.

Tests. All of the tests referred to above and the applicable tests in the cited ASTM Standards shall be performed on the conduit at the manufacturer's plant and certified copies of the reports of the results of these tests shall be submitted to the Engineer prior to the installation of the CNC.

SPECIAL PROVISION
FOR
TRENCH AND BACKFILL FOR ELECTRICAL WORK

The constructing and backfilling of a trench shall meet the requirements of Section 819 of the Standard Specifications, except as follows:

The Trench shall not be less than two (2) feet six (6) inches (760 mm) in depth.

All trenches shall be backfilled as soon as possible after the installation of the conduit or cable. Any material excavated from the trenches, that in the opinion of the Engineer is satisfactory backfilling material, may be used for backfilling of trenches. Cinders, rocks or other deleterious materials will not be permitted in the backfilling material. Trenches under pavement, paved shoulders, curb, gutter, or sidewalk shall be backfilled with sand or stone screenings.

Basis of Payment. This work will be paid for at the contract unit price per FOOT (METER), measured in place, for TRENCH AND BACKFILL FOR ELECTRICAL WORK, which price shall include the cost of all excavation, furnishing and placing all backfill material, and the disposal of surplus excavations.

SPECIAL PROVISION
FOR
ELECTRIC CABLE

The installation of an electric cable shall meet the requirements of Section 873 and 1076.04 of the Standard Specifications and District One Standard Traffic Signal Design Details with the addition as the following:

The jacket for electric cable in this contract shall be of the polyvinyl chloride type meeting the requirements of IMSA 19-1. (Traffic signal cable shall be solid copper No. 14 unless otherwise specified in the plans or these Special Provisions). No other type of jacket will be allowed, except as follows:

The service cable may have a XLP jacket. Service cable may be single or multiple conductor cable.

Communications and lead-in cable shall have a gray or chrome jacket.

Electric cable sized No. 12 AWG and smaller shall be solid.

The length of cable slack shall be in accordance with District One Standard Traffic Signal Design Details.

The cable splice connection of the detector loop and the lead-in cable to the controller shall conform to Section 873 of the Standard Specifications or to the requirements set forth in the "District 1 Standard Traffic Signal Design Details ".

Heat shrink splices shall be used according to "District 1 Standard Traffic Signal Design Details".

Basis of Payment. This work will be paid for at the contract unit price per FOOT (METER) for ELECTRIC CABLE of the type, size and number of conductors as specified, which price shall be payment in full for furnishing the material and making all electrical connections and installing the cable complete, measured as specified.

SPECIAL PROVISION
FOR
SYSTEM GROUND AND GROUNDING CABLE

This specification revises requirements of section 806 of the Standard Specifications to read:

General:

All traffic signal systems, equipment and appurtenances shall be properly grounded in strict conformance with the National Electrical Code. See IDOT District 1 traffic signal detail plan sheets for additional information.

The grounding electrode system shall include a ground rod installed with each traffic signal controller concrete foundation and all mast arm and post concrete foundations. An additional ground rod will be required at locations where measured resistance exceeds 25 ohms. Ground rods are included in the applicable foundation or service installation pay item and will not be paid for separately. All steel ground rods shall be copper clad, a minimum of 10' (3.0 m), and ¾" (20mm) in diameter.

Testing shall be according to Section 801.13(a) (4) and (5).

a) The grounded conductor (neutral conductor) shall be white color coded. This conductor shall be bonded to the equipment grounding conductor only at the Electric Service Installation. All power cables shall include one neutral conductor of the same size.

b) The equipment grounding conductor shall be green color coded. The following is in addition to Section 801.04 of the Standard Specifications.
   1) Equipment grounding conductors shall be XLP insulated 600V No.6 gauge copper, unless otherwise noted on the plans, and bonded to the grounded conductor (neutral conductor) only at the Electric Service Installation. The equipment grounding conductor is paid for separately and shall be continuous. The Earth shall not be used as the equipment grounding conductor.
   2) Equipment grounding conductors shall be bonded, using a listed grounded connector (Burndy type KC/K2C, as applicable or approved equal), to all traffic signal mast arm poles, traffic signal posts, pedestrian posts, pushbutton posts, pull boxes, handhole frames and covers, conduits and other metallic enclosures throughout the traffic signal wiring system, except where noted herein. Bonding shall be made with a splice and pigtail connected using a sized compression type copper sleeve, sealant tape and heat shrinkable cap. A listed electrical joint compound shall be applied to all conductor terminations, connector threads and contact points. Conduit grounding bushings shall be installed at all conduit terminations. Bonding to existing handhole frames and covers shall be paid for separately.
   3) All metallic and non-metallic raceways containing traffic signal circuit runs shall have a continuous equipment grounding conductor, except raceways containing only detector loop lead-in circuits, circuits under 50 volts and/or fiber optic cable will not be required to include an equipment grounding conductor.
   4) Individual conductor splices in handholes shall be soldered and sealed with heat shrink. When necessary to maintain effective equipment grounding, a full heat shrink shall be provided over individual conductor heat shrinks.

c) The grounding electrode conductor shall be similar to the equipment grounding conductor in color coding (green) and size. The grounding electrode conductor is used to connect the ground rod to the equipment grounding conductor and is bonded to ground rods via exothermic welding, listed pressure connectors, listed clamps or other approved listed means.

GROUNDING CABLE

The cable shall meet the requirements of Section 817.02(b) of the "Standard Specifications". Unless otherwise noted on the plans, Traffic Signal Grounding Conductor shall be one conductor, #6 gauge copper, with a green color coded XLP jacket.

Basis of Payment. This work will be paid for at the contract unit price per FOOT (METER) for ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6, 1C, which price shall be payment in full for furnishing labor and material including grounding clamps, cable, splicing, exothermic welds, grounding connectors conduit grounding bushings, and hardware. All ground rods shall be incidental to the cost of associated items for Concrete Foundations and Service Installation.

SPECIAL PROVISION
FOR
SERVICE INSTALLATION POLE MOUNTED

This specification revises requirements of section 805 of the Standard Specifications to read:

All installations shall meet the requirements of the details in the "District 1 Standard Traffic Signal Design Details" and applicable portions of the Specifications. The electrical service installation shall be the electric service disconnecting means and it shall be identified as suitable for use as service equipment.

Materials.

1) General. The completed control panel shall be constructed in accordance with UL Std. 508A, Industrial Control Panel, and carry the UL label. Wire terminations shall be UL listed.

2) The cabinet shall be UL 50, NEMA Type 4X, unfinished single door design, fabricated from minimum 0.080-inch (2.03 mm) thick Type 5052 H-32 aluminum. Seams shall be continuous welded and ground smooth. Stainless steel screws and clamps shall secure the cover and assure a watertight seal. The cover shall be removable by pulling the continuous stainless steel hinge pin. The cabinet shall have an oil-resistant gasket and a lock kit shall be provided with an internal O-ring in the locking mechanism assuring a watertight and dust-tight seal. The cabinet shall be sized to adequately house all required components with extra space for arrangement and termination of wiring. A minimum size of 14-inches (350 mm) high, 9-inches (225 mm) wide and 8-inches (200 mm) in depth is required. The cabinet shall be channel mounted to a wooden utility pole using assemblies recommended by the manufacturer.

3) Surge Protector. Overvoltage protection, with LED indicator, shall be provided for the 120 volt load circuit by the means MOV and thermal fusing technology. The response time shall be <5n seconds and operate within a range of –40C to +85C. The surge protector shall be UL 1449 Listed.

4) Circuit Breakers. Circuit breakers shall be standard UL listed molded case, thermal-magnetic bolt-on type circuit breakers with trip free indicating handles. 120 volt circuit breakers shall have an interrupting rating of not less than 65,000 rms symmetrical amperes. Unless otherwise indicated, the main disconnect circuit breaker for the traffic signal controller shall be rated 60 amperes, otherwise noted on the plans, 120 V and the auxiliary circuit breakers shall be rated 10 amperes, 120 V.

5) Fuses, Fuseholders and Power Indicating Light. Fuses shall be small-dimensional cylindrical fuses of the dual element time-delay type. The fuses shall be rated for 600 V AC and shall have a UL listed interrupting rating of not less than 10,000 rms symmetrical amperes at rated voltage. The power indicating light shall be LED type with a green colored lens and shall be energized when electric utility power is present.

6) Ground and Neutral Bus Bars. A single copper ground and neutral bus bar, mounted on the equipment panel shall be provided. Ground and neutral conductors shall be separated on the bus bar. Compression lugs, plus 2 spare lugs, shall be sized to accommodate the cables with the heads of the connector screws painted green for ground connections and white for neutral connections.

7) The Contractor shall notify the Commonwealth Edison Marketing Representative a minimum of 30 working days prior to the anticipated date of hook-up. This 30 day advance notification will begin only after the Commonwealth Edison Marketing Representative has received service charge payments from the Contractor. Prior to contacting the Commonwealth Edison marketing representative for service connection, the service installation, controller cabinet and cable must be installed for inspection by Commonwealth Edison.

8) Ground Rod. Ground rods shall be copper-clad steel, a minimum of 10' (3.0 meters) in length, and 3/4" (20 mm) in diameter. Ground rod resistance measurements to ground shall be 25 ohms or less. If necessary additional rods shall be installed to meet resistance requirements at no additional cost to the contract.

Installation:

1) General. The Contractor shall confirm the orientation of the traffic service installation and its door side with the engineer, prior to installation. All conduit entrances into the service installation shall be sealed with a pliable waterproof material.

2) Brackets designed for pole mounting shall be used. All mounting hardware shall be stainless steel. Mounting height shall be as noted on the plans or as directed by the Engineer.

The Contractor must request in writing for service and/or service modification within ten (10) days of contract award and must follow-up with the electric utility to assure all necessary documents and payment are received by the utility. The Contractor shall forward copies of all correspondence between the Contractor and utility company to the County Design Engineer. The loading form to be sent to the utility company shall be furnished by the County Design Engineer. The service agreement and sketch shall be submitted for signature to the County Design Engineer.

The Commonwealth Edison contact phone number is 866-639-3532

Basis of Payment. This work will be paid for at the contract unit price EACH for SERVICE INSTALLATION, POLE MOUNTED, which shall be payment in full for furnishing and installing the service installation complete. SERVICE INSTALLATION, POLE MOUNTED shall include the 3/4" (20 mm) grounding conduit, ground rod, and pole mount assembly. Any charges by the utility company to provide electrical services to the service installation will be paid for in accordance with Article 109.05 of the Standard Specifications.

SPECIAL PROVISION
FOR
HANDHOLE

The installation of a handhole shall meet the requirements of Section 814 of the Standard Specifications, with the addition as the following:

All handholes shall be concrete poured in place against undisturbed earth. No pre-cast concrete handholes will be accepted.

The handholes shall have an inside dimension of 21-1/2" (549 mm) minimum. Frames and lid openings shall match this dimension.

The cover of the handhole shall be labeled "TRAFFIC SIGNALS" with legible raised letters.

All conduits will enter the handhole at a depth of 30" (760 mm) except for the conduits between the curb and handhole for detector loops when the handhole is less than five (5) feet (1.52 m) from the detector loop. All conduit ends should be sealed with a waterproof sealant to prevent the entrance of contaminants into the handhole.

For grounding purposes the handhole frame shall have provisions for a 7/16" (15.875 mm) diameter stainless bolt cast into the frame. The covers shall have a stainless steel threaded stint extended from the eye hook assembly for the purpose of attaching the grounding conductor to the handhole frame and cover.

The minimum wall thickness for heavy duty hand holes shall be 12 inches (300 mm).

Steel cable hooks shall be coated with hot-dipped galvanization in accordance with AASHTO Specification M111. Hooks shall be a minimum of 1/2 inch (12.7mm) diameter with two 90 degree bends and extend into the handhole at least 6 inches (150 mm). Hooks shall be placed a minimum of 12 inches (300 mm) below the lid or lower if additional space is required.

The French drain shall be constructed of crushed stone or gravel, Gradation CA 5 or CA 7, and according to Section 601 of the Standard Specifications.

Basis of Payment: This work will be paid for at the contract unit price EACH for HANDHOLE, HEAVY-DUTY HANDHOLE, or DOUBLE HANDHOLE, which price shall be payment in full for all necessary excavating, backfilling, disposal of unsuitable materials, and furnishing all materials within the limits of the handhole.

SPECIAL PROVISION
FOR
CONCRETE FOUNDATION

The installation of a concrete foundation shall meet the requirements of Section 878 of the Standard Specifications, the Standard Drawing for Concrete Foundations and District One Standard Traffic Signal Design Details with the addition as the following:

All anchor bolts shall be according to Section 1006.09, except all anchor bolts shall be hot dipped galvanized a minimum of 12 in. (300 mm) from the threaded end.

All Type "A" foundations shall be a minimum depth of 48 inches (1220 mm).

Concrete Foundations, Type "C" for Traffic Signal Cabinets with Uninterruptible Power Supply (UPS) cabinet installations shall be a minimum of 72 inches (1830 mm) long and 31 inches (790 mm) wide. All Type "C" foundations shall be a minimum depth of 48 inches (1220 mm). The concrete apron in front of the Type IV or V cabinet shall be 36 in. x 48 in. x 5 in. (915 mm X 1220 mm X 130 mm). The concrete apron in front of the UPS cabinet shall be 36 in. x 67 in. x 5 in. (915 mm X 1700 mm X 130 mm). Anchor bolts shall provide bolt spacing as required by the manufacturer.

Concrete Foundations, Type "D" for Traffic Signal Cabinets shall be a minimum of 48 inches (1220 mm) long and 31 inches (790 mm) wide. All Type "D" foundations shall be a minimum depth of 48 inches (1220 mm). The concrete apron shall be 36 in. x 48 in. x 5 in. (910 mm X 1220 mm X 130 mm). Anchor bolts shall provide bolt spacing as required by the manufacturer.

Concrete Foundations, Type "E" for Mast Arm and Combination Mast Arm Poles shall meet the current requirements listed in the Highway Standards.

Foundations used for Combination Mast Arm Poles shall provide an extra 2-1/2 inch (65 mm) raceway.

No foundation is to be poured until the Resident Engineer gives approval as to the depth of the foundation.

Basis of Payment: This work will be paid for at the contract unit price per FOOT (METER) of depth for:

CONCRETE FOUNDATION, TYPE A
CONCRETE FOUNDATION, TYPE C
CONCRETE FOUNDATION, TYPE D
CONCRETE FOUNDATION, TYPE E - 30" (750 mm) Dia.
CONCRETE FOUNDATION, TYPE E - 36" (900 mm) Dia.
CONCRETE FOUNDATION, TYPE E - 42" (900 mm) Dia.

which price shall be payment in full for all necessary excavating or drilling, back filling, disposal of unsuitable material, form work, ground rods and furnishing all materials within the limits of the foundation.

SPECIAL PROVISION
FOR
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT

The removal of existing traffic signal equipment shall meet the requirements of Section 895.05 of the Standard Specifications, except as follows:

This work shall consist of removing the existing traffic signal equipment at an intersection as listed and as shown on the plans.

All equipment to be returned to an Agency shall be delivered by the Contractor to the Agency's Traffic Signal Maintenance Contractor's main facility. The Contractor shall contact the Agency's Electrical Maintenance Contractor to schedule an appointment to deliver the equipment. No equipment will be accepted without a prior appointment. All equipment shall be delivered within 30 days of removing it from the traffic signal installation. The Contractor shall provide 5 copies of a list of equipment that is to remain the property of the Agency, including model and serial numbers, where applicable. A list of equipment shall be signed by the Agency's Electrical Maintenance Contractor and fax to the County Engineer at (312) 603-9956. The Contractor shall also provide a copy of the contract plan or special provision showing the quantities and type of equipment. Controllers and peripheral equipment from the same location shall be boxed together (equipment from different locations may not be mixed) and all boxes and controller cabinets shall be clearly marked or labeled with the location from which they were removed. If equipment is not returned with these requirements, it will be rejected by the Agency's Electrical Maintenance Contractor. The Contractor shall be responsible for the condition of the traffic signal equipment from the time Contractor takes maintenance of the signal installation until the acceptance of a receipt drawn by the Agency's Electrical Maintenance Contractor indicating the items have been returned in good condition.

The traffic signal equipment which is to be removed and is to become the property of the Contractor shall be disposed of by them outside the right-of-way at their expense.

All equipment is to be disassembled so as to make for easy loading and storage into Agency stock as per the Engineers instructions.

Traffic signal equipment which is lost or not returned to the Department for any reason shall be replaced with new equipment meeting the requirements of these Specifications at no cost to the contract.

Basis of Payment. This work will be paid for at the contract unit price EACH for REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT per intersection which price shall be payment in full for removing the equipment, and storing and/or disposing of it as required. The salvage value of the equipment retained by the Contractor shall be reflected in this contract unit price.

SPECIAL PROVISION
FOR
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION

This item shall consist of maintaining the existing traffic signal installation at an intersection as shown on the plans and as described herein. Full maintenance responsibility shall start as soon as the Contractor begins any physical work on the contract or any portion thereof. The energy charges for the operation of the traffic signal installation shall be paid for by others. The maintenance of an existing traffic signal installation shall meet the requirements of Section 801.11 and 850 of the Standard Specifications except as follows:

This item shall include maintenance of all traffic signal equipment at the intersection, including emergency vehicle pre-emption equipment, master controllers, uninterruptible power supply (UPS and batteries) telephone service installations, communications cables and conduit to adjacent intersections, and other traffic signal equipment, but shall not include Automatic Traffic Enforcement equipment, such as Red Light Enforcement cameras, detectors, or peripheral equipment, not owned by the State and County.

Seven days prior to assuming maintenance of the existing traffic signal installation(s) under this contract, the Contractor shall request that the Resident Engineer contact the Cook County Design Engineer at (312) 603-1730 for an inspection of the installation(s). The Design Engineer shall establish a date and time of inspection and at this time shall check the installation to determine if any corrective work should be done by the State, the County, or the Municipalities Electrical Maintenance Contractor prior to the Contractor taking over the maintenance of the installation(s). The Resident Engineer, the Design Engineer, and the State, County, or Municipality Maintenance Contractor and the Contractor shall mutually agree on the date of maintenance transfer to the Contractor for this contract.

Maintenance Procedures The Contractor shall perform the following maintenance procedures for each existing installation designated to remain in operation during construction:

- Have on staff electricians with IMSA Level II certification to provide signal maintenance.
- Patrol and inspect each installation every two (2) weeks for proper alignment of signal heads, light detectors, lamp failures, and general operation of the traffic signal.
- Check all controllers every two (2) weeks, which will include visually inspecting all timing intervals, relays, detectors, and pre-emption equipment to insure that they are functioning properly. This item includes, as routine maintenance, all portions of emergency vehicle pre-emption equipment.
- Provide immediate corrective action to replace burned out lamps or damaged sockets. When lamps are replaced, the reflector and lens shall be cleaned. All replacement lamps shall meet the approval of the Engineer. The Contractor shall repair or replace all defective equipment from any cause whatsoever.
- Maintain in stock at all times a sufficient amount of materials and equipment to provide effective temporary and permanent repairs.

- Provide immediate corrective action when any part or parts of the system fail to function properly. Two far side heads facing each approach shall be considered the minimum acceptable signal operation pending permanent repairs. A near right signal must also be maintained. When repairs at a signalized intersection require that the controller be disconnected or otherwise removed from normal operation, and power is available, the Contractor shall place the traffic signal installation on flashing operation. The signals shall flash RED for all directions unless a different indication has been specified by the Engineer. The Contractor is required to place stop signs (R1-1-36) at each approach to the intersection as a temporary means of regulating traffic. At approaches, where a Yellow Flashing indication is necessary, as directed by the Engineer, stop signs will not be required. When the signals operate in flash, the Contractor shall furnish and equip all his vehicles assigned to the maintenance of traffic signal installations with a sufficient number of Stop Signs as specified herein. The Contractor shall maintain sufficient number of spare Stop Signs in stock at all times to replace Stop Signs which may be damaged or stolen.

- Replace defective or damaged equipment. If the proper sequence with full detection cannot be obtained immediately, a controller which will provide the proper sequence and full detection shall be installed within twelve (12) hours of removal of the original controller.

- The Contractor shall be required to maintain the existing type of equipment and sequence of operations during the period of time that the original control equipment is being overhauled

- Provide the Engineer with the names, addresses, and telephone numbers of two (2) persons qualified and assigned to the maintenance of the traffic signal installation. These people must be made available 24 hours per day, each and every day of the year for emergency calls by the Engineer.

- Respond to all emergency calls from the Department or others within one hour after notification and provide immediate corrective action. When equipment has been damaged or becomes faulty beyond repair, the Contractor shall replace it with new and identical equipment. The cost of furnishing and installing the replaced equipment shall be borne by the Contractor at no additional charge to the State or County. The Contractor may institute action to recover damages from a responsible third party. If at any time the Contractor fails to perform all work as specified herein to keep the traffic signal installation in proper operating condition or if the Engineer cannot contact the Contractor's designated personnel, the Engineer shall have the State's or the County's Electrical Maintenance Contractor perform the maintenance work required. The State's or County's Electrical Maintenance Contractor shall bill the Contractor for the total cost of the work. The contractor shall pay this bill within thirty (30) days of the date of receipt of the invoice or the cost of such work will be deducted from the amount due the Contractor. The Contractor shall allow the Electrical Maintenance Contractor to make reviews of the Existing Traffic Signal Installation that has been transferred to the Contractor for Maintenance.

Traffic signal equipment which is lost or not returned to the Department for any reason shall be replaced with new equipment meeting the requirements of the Standard Specifications and these special provisions.

Basis of Payment. This work will be paid for at the contract unit price EACH for MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION, which price shall be payment in full for all materials, equipment, and labor necessary to maintain the existing traffic signals as shown on the plans. Each intersection shall be paid for separately. Following the completion of the traffic signal maintenance transfer

to the Contractor, 30 percent of the bid price will be paid. Following the traffic signal maintenance transfer to County, state and/or local agency, 30 percent of the bid price will be paid. The remaining 40 percent will be paid when all items on the punch list are done to the satisfaction of the engineer.

SPECIAL PROVISION
FOR
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 indication what brand of equipment is acceptable to the Agency.

All new installations shall be equipped with confirmation beacons as shown on the "District 1 Standard Traffic Signal Design Details". The confirmation beacon shall consist of a 6 watt Par 38 LED flood lamp with a 30 degree light spread, maximum 6 watt energy consumption at 120V and a 2000 hour warranty for each direction of pre-emption. The lamp shall have an adjustable mount with a weatherproof enclosure for cable splicing. All hardware shall be cast aluminum or stainless steel. Holes drilled into signal poles, mast arms, or posts shall require rubber grommets. In order to maintain uniformity between communities, the confirmation beacons shall indicate when the control equipment receives the pre-emption signal. The pre-emption movement shall be signalized by a flashing indication at the rate specified by Section 4D-11 of the "Manual On Uniform Traffic Control Devices" and other applicable sections of future editions. The stopped pre-empted movements shall be 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.

The pre-emption detector amplifier shall be paid for on a basis of one (1) each per intersection controller and shall provide operation for all movements required in the pre-emption phase sequence.

Basis of Payment. This work will be paid for at the Contract unit price EACH for LIGHT TRANSMITTER, LIGHT DETECTOR, or LIGHT DETECTOR AMPLIFIER which price shall be payment in full for furnishing and installing the light transmitter, light detector, or light detector amplifier complete, with necessary connections for proper operation. The furnishing and installing of a confirmation beacon shall be included in the cost of the LIGHT DETECTOR.

The lead-in cable will be paid for at the contract unit price per FOOT (METER) for ELECTRIC CABLE IN CONDUIT, NO. 20, 3/C, TWISTED, SHIELDED or ELECTRIC CABLE AERIAL SUSPENDED, NO. 20, 3/C, TWISTED, SHIELDED which price shall be payment in full for furnishing and installing the lead-in cable and making all electrical connections. The electric cable shall be shielded and have three (3) stranded conductors colored blue, orange, and yellow with a stranded tinned copper drain wire. The cable shall meet the requirements of the manufacturer of the Emergency Vehicle Priority System Equipment.

SPECIAL PROVISION
FOR
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT

This item shall consist of relocating the existing emergency vehicle priority system light detector from an existing traffic signal mast arm or post to the new traffic signal mast arm or post as indicated in the plans or as directed by the Engineer.

The work shall include disconnecting light detector and reconnecting it to the new cable.

The emergency vehicle system is not to be inoperative for more than forty-eight (48) hours and the Contractor must notify the municipality or Fire Protection District seventy-two (72) hours prior to the disconnection of the equipment.

Basis of Payment. This item will be paid for at the contract unit price EACH for RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT which price shall be payment in full for disconnecting the existing light detector, relocating and connecting the light detector to the new cable complete and operating to the satisfaction of the Engineer. The relocating and connecting the existing confirmation beacon shall be considered incidental to the pay item for RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT.

The confirmation beacon and light detector lead-in cables will be paid for at the contract unit price per FOOT for ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C, ELECTRIC CABLE IN CONDUIT, NO. 20 3C, TWISTED, SHIELDED, ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL NO. 14 3C, or ELECTRIC CABLE AERIAL SUSPENDED, NO. 20 3C, TWISTED, SHIELDED, which price shall be payment in full for furnishing and installing the lead-in cable and making all electrical connections. The length of measurement shall be the distance horizontally measured between changes in direction, including cable in mast arms and slack cables. All vertical cables will not be measured for payment. Slack cables will be paid for as lead-in cables in conduit.

SPECIAL PROVISION
FOR
UNINTERRUPTIBLE POWER SUPPLY

The furnishing and installation of this item shall meet the requirements of Section 862 and 1074.04 of the Supplemental Specifications and Recurring Special Provisions, except as follows:

The UPS shall have the power capacity to provide normal operation of a signalized intersection that utilizes all LED type signal head optics, for a minimum of six hours.

The UPS shall additionally include, but not be limited to, a battery cabinet. The UPS shall provide reliable emergency power to the traffic signals in the event of a power failure or interruption.

Installation

When a UPS is installed at an existing traffic signal cabinet, the UPS cabinet shall partially rest on the lip of the existing controller cabinet foundation and be secured to the existing controller cabinet by means of at least four (4) stainless steel bolts. The UPS cabinet shall be completely enclosed with the bottom and back constructed of the same material as the cabinet.

When a UPS is installed at a new signal cabinet and foundation, it shall be mounted as shown on the plans.

At locations where UPS is installed and Emergency Vehicle Priority System is in use, any existing incandescent confirmation beacons shall be replaced with LED lamps in accordance with the Cook County Emergency Vehicle Priority System specification at no additional cost to the contract.

Material:

The UPS shall be line interactive and provide voltage regulation and power conditioning when utilizing utility power. The UPS shall be sized appropriately for the intersection's normal traffic signal operating connected load, plus 20 percent (20%). The total connected traffic signal load shall not exceed the published ratings for the UPS. The UPS shall provide a minimum of six (6) hours of normal operation run-time for signalized intersections with LED type signal head optics at 77 °F (25 °C) (minimum 700 W/1000 VA active output capacity, with 90 percent minimum inverter efficiency).

The UPS shall have a minimum of four (4) sets of normally open (NO) and normally closed (NC) single-pole double-throw (SPDT) relay contact closures, available on a panel mounted terminal block or locking circular connectors, rated at a minimum 120 V/1 A, and labeled so as to identify each contact according to the plans.

The UPS shall be compatible with the County's approved traffic controller assemblies utilizing NEMA TS 1 or NEMA TS 2 controllers and cabinet components for full time operation.

When the intersection is in battery backup mode, the UPS shall bypass all internal cabinet lights, ventilation fans, service receptacles, any lighted street name signs, any automated enforcement equipment and any other devices directed by the Engineer.

Batteries, inverter/charger and power transfer relay shall be housed in a separate NEMA Type 3R cabinet. The cabinet shall be Aluminum alloy, 5052-H32, 0.125-inch thick and have a natural mill finish.

No more than three batteries shall be mounted on individual shelves for a cabinet housing six batteries and no more than four batteries per shelf for a cabinet housing eight batteries.

The battery cabinet housing shall have the following nominal outside dimensions: a width of 25 in. (785 mm), a depth of 16 in. (440 mm), and a height of 41 to 48 in. (1.1 to 1.3 m). Clearance between shelves shall be a minimum of 10 in. (250 mm).

The door shall open to the entire cabinet, have a neoprene gasket, an Aluminum continuous piano hinge with stainless steel pin, and a three point locking system. The cabinet shall be provided with a main door lock which shall operate with a traffic industry conventional No. 2 key. Provisions for padlocking the door shall be provided.

The battery cabinet shall have provisions for an external generator connection.

The UPS shall include a tip or kill switch installed in the battery cabinet, which shall completely disconnect power from the UPS when the switch is manually activated.

The UPS shall incorporate a flanged electric generator inlet for charging the batteries and operating the UPS. The generator connector shall be male type, twist-lock, rated as 15A, 125VAC with a NEMA L5-15P configuration and weatherproof lift cover plate (Hubbell model HBL4716C or approved equal). Access to the generator inlet shall be from a secured weatherproof lift cover plate or behind a locked battery cabinet police panel.

Battery System: All batteries supplied in the UPS shall be either gel cell or AGM type, deep cycle, completely sealed, prismatic lead calcium based, silver alloy, valve regulated lead acid (VRLA) requiring no maintenance. All batteries in a UPS installation shall be the same type; mixing of gel cell and AGM types within a UPS installation is not permitted.

Batteries shall be certified by the manufacturer to operate over a temperature range of -13 to 160 °F (-25 to + 71 °C) for gel cell batteries and -40 to 140 °F (-40 to + 60 °C) for AGM type batteries.

The UPS shall consist of an even number of batteries that are capable of maintaining normal operation of the signalized intersection for a minimum of six hours. Calculations shall be provided showing the number of batteries of the type supplied that are needed to satisfy this requirement. A minimum of four batteries shall be provided.

The warranty for an uninterruptible power supply (UPS) shall cover a minimum of two years from date the equipment is placed in operation; however, the batteries of the UPS shall be warranted for full replacement for a minimum of five years from the date the traffic signal and UPS are placed into service.

Basis of Payment

This work will be paid for at the contract unit price per EACH for UNINTERRUPTABLE POWER SUPPLY, which price shall be payment in full for furnishing and installing the Uninterruptible Power Supply complete with necessary connections for proper operation. Replacement of Emergency Vehicle Priority System confirmation beacons shall be included in the cost of the UNINTERRUPTABLE POWER SUPPLY item.

99-324.03

DEPARTMENT OF THE ARMY
CHICAGO DISTRICT, CORPS OF ENGINEERS
111 NORTH CANAL STREET
CHICAGO, ILLINOIS 60606-7206

REPLY TO
ATTENTION OF:

RECEIVED
OCT 19 2010

October 12, 2010

Technical Services Division
Regulatory Branch
LRC-2010-00378

SUBJECT: Authorization for the Joe Orr Road Extension Outfall Replacement and Ditch Regarding along Torrence Avenue in the Village of Lynwood, Cook County, Illinois

Robert Myers
Village of Lynwood
21460 Lincoln Highway
Lynwood, Illinois 60411

Dear Mr. Myers:

The U.S. Army Corps of Engineers, Chicago District, has completed its review of your notification for authorization under the Regional Permit Program (RPP), submitted on your behalf by Robinson Engineering. This office has verified that your proposed activity complies with the terms and conditions of Regional Permit RP8 (Utility Line Project) and the overall RPP under Category I of the Regional Permit Program dated April 1, 2007. The activity may be performed without further authorization from this office provided the activity is conducted in compliance with the terms and conditions of the RPP.

This verification is valid until the RPP is modified, reissued, or revoked. The RPP is scheduled to be modified, reissued, or revoked prior to April 1, 2012. We will issue a public notice when the Regional Permits are reissued so it is incumbent upon you to remain informed of changes to the RPP when they occur. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant regional permit is modified or revoked, you will have twelve (12) months from the date of the modification or revocation of the RPP to complete the activity under the present terms and conditions of this regional permit(s).

This verification covers only your activity as described in your notification and as shown on the plans entitled "Joe Orr (Relocate) Drainage and Utilities – Torrence Avenue, dated February 26, 2010, prepared by Cook County Highway Department. Caution must be taken to prevent construction materials and activities from impacting waters of the United States beyond the scope of this authorization. If you anticipate changing the design or location of the activity, you should contact this office to determine the need for further authorization.

As part of the soil erosion and sediment control (SESC) process, you are required to retain a qualified Independent SESC Inspector (ISI) to review the project's SESC plans and provide a detailed narrative that explains the measures to be implemented at the project site. The ISI is also required to perform site inspections of the implemented SESC measures to ensure proper installation and regular maintenance of the approved methods.

This authorization is contingent upon implementing and maintaining soil erosion and sediment controls in a serviceable condition throughout the duration of the project. Throughout the duration of the project, you shall comply with the project's soil erosion and sediment control (SESC) plans and the installation and maintenance requirements of the SESC practices on-site. You shall notify this office any changes or modifications to the approved plan set. Please be aware that field conditions during project construction may require the implementation of additional SESC measures for further protection of aquatic resources. If you fail to implement corrective measures, this office may require more frequent site inspections to ensure the installed SESC measures are acceptable.

The following ISI process is a requirement of your permit:

1. You shall retain a qualified SESC inspector to perform periodic inspections of the implemented SESC measures to ensure proper installation and regular maintenance of the approved methods. The contact information for the Independent SESC Inspector (ISI) has been submitted to this office and will become part of the administrative file;

2. Provide prior notification to a representative of this office and to the designated Independent SESC Inspector of the pre-construction meeting at least 10 calendar days in advance. The meeting shall be held to review the Corps' approved SESC plans and if applicable, to discuss any necessary changes as required;

3. The SESC inspector shall submit digital photographs of the SESC measures to the Corps on a weekly basis during the active and non-active phases of construction that represent the existing conditions of the site. Photographs shall also be submitted at completion of the project once the SESC measures have been removed and the work area has been restored to pre-construction conditions; and

4. You shall contact this office immediately in the event of non-compliance, failure and/or inadequacy of an existing SESC method. Upon direction of the Corps, corrective measure shall be instituted at the site to correct the situation. Additional SESC measures may be needed to ensure further protection of the resource including all jurisdictional areas.

This verification does not obviate the need to obtain all other required Federal, state, or local approvals before starting work. Please note that Section 401 Water Quality Certification has been issued by IEPA for this RP. Enclosed are the IEPA Section 401 Water Quality Certification conditions. If you have any questions regarding Section 401 certification, please contact Mr. Dan Heacock at IEPA Division of Water Pollution Control, Permit Section #15, by telephone at (217) 782-3362.

For a complete copy of the RPP program or any additional information on the RPP program, please access our website: www.lrc.usace.army.mil/co-r. Once you have completed the authorized activity, please sign and return the enclosed compliance certification. If you have any questions, please contact Stasi Brown of my staff by telephone at 312-846-5544, or email at stasi.f.brown@usace.army.mil.

Sincerely,

Kathy Chernich
Chief, East Section
Regulatory Branch

Enclosures

Copy Furnished w/out Enclosures:

Illinois Department of Natural Resources/OWR (Gary Jereb)
Illinois Environmental Protection Agency (Dan Heacock)
Cook County Building and Zoning (Donald Wlodarski)
Robinson Engineering, Ltd. (Jonathon Dykstra)

SPECIAL PROVISION
FOR
TEMPORARY BUTT JOINTS

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

The Temporary Butt Joints shall be provided as a ramp and extend perpendicular to the saw cut limits of removal at a rate of 2 ft. per 1 in. of difference in elevation as directed by the Engineer.

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

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

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

ADDITIONAL INSERTED SPECIAL PROVISIONS

REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES

This work shall be according to Article 669 of the Standard Specifications and the following:

Qualifications. The term environmental firm shall mean an environmental firm with at least five (5) documented leaking underground storage tank (LUST) cleanups or that is pre-qualified in hazardous waste by the Department. Documentation includes but not limited to verifying remediation and special waste operations for sites contaminated with gasoline, diesel, or waste oil in accordance with all Federal, State, or local regulatory requirements and shall be provided to the Engineer for approval. The environmental firm selected shall not be a former or current consultant or have any ties with any of the properties contained within and/or adjacent to this construction project.

General. This Special Provision will likely require the contractor to subcontract for the execution of certain activities.

All contaminated materials shall be managed as non-special waste. This work shall include monitoring and potential sampling, analytical testing, and management of a material contaminated by regulated substances.

A) The Environmental Firm shall continuously monitor for worker protection and the Contractor shall manage and dispose of all soils excavated within the following areas as classified below. The lateral distance is measured from centerline and the farthest distance is the offset distance or construction limit whichever is less. Soil samples or analysis without the approval of the Engineer will be at no additional cost to the Department. Phase 1 Preliminary Engineering information is available through the District's Environmental Studies Unit.

   1. Station 207+80 to station 208+50 0 to 60 feet LT (Schoon's Auto Repair, Site 1235B-6, 20770 Torrence Avenue, Lynwood) – non-special waste. Contaminants of concern sampling parameters: PNA's and Lead.
   2. Station 228+10 to Station 228+80 0 to 60 feet RT (Vacant Lot, Site 1235B-13, 20431 Torrence Avenue, Lynwood) – non-special waste. Contaminants of concern sampling parameters: BETX.
   3. Station 695+10 to Station 695+75 0 to 50 feet LT (Residence, Site 1235B-24, 2698 Glenwood-Dyer Road, Lynwood) – non-special waste. Contaminants of concern sampling parameters: Dieldrin and Lead.

B) The environmental Firm shall continuously monitor for worker protection and the Contractor shall manage any excavated soils **within the construction limits of this project as fill.** Although the soil concentrations exceed a residential property's Tier 1 soil remediation objective for the ingestion exposure pathway, they can be utilized within the construction limits as fill because the roadway is not considered a residential property. All storm sewer excavated soils can be placed back into the excavated trench as backfill unless trench backfill is specified. If the soils cannot be utilized within the construction limits as fill then they must be managed off-site as a non-special waste. The following areas can be managed with the construction limits as fill.

1. Station 218+50 to Station 219+10 0 to 60 feet RT (Kickert School Bus, Site 1235B-16, 20575 Torrence Avenue, Lynwood) – non-special waste. Contaminants of concern sampling parameters: Arsenic.

FENCE REMOVAL

This work shall consist of the removal of the various types of fence and/or gates shown on the plans and should be removed to aid in the Contractor's operations.

The Contractor shall remove the fence including any concrete base for posts, below the proposed grade line. Disposal of all materials shall be the responsibility of the Contractor. The Contractor may reflect salvage value of the fence if he deems it worthwhile.

This work will be paid for at the contract unit price per FOOT for FENCE REMOVAL.

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

Sieve Size	Percent Passing
*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

Sieve Size	Percent Passing
*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 than18 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.

DETECTABLE WARNINGS

This item shall consist of the placement of detectable warning plates in accordance with the IDOT Standard for Curb Ramps for Sidewalks. Where existing walk is to be replaced adjacent to new combination concrete curb and gutter, at locations designated by the Engineer, detectable warnings shall be constructed in accordance with the latest edition of Standard 424001. The Village of Lynwood requests the use of EJIW cast iron

detectable warning plates, with an asphalt dip finish, or approved equivalent. Information regarding the purchase of these plates can be found at www.ejiw.com. The plates shall be installed per the manufacturer's specifications.

This work will be paid for at the contract unit price per SQUARE FOOT for DETECTABLE WARNINGS and will include all materials, equipment and labor required to complete the work as specified above.

HOT-MIX ASPHALT SURFACE REMOVAL – VARIABLE DEPTH

Joe Orr Road shall be cold milled at the west end of the project with a four-inch (4") deep butt joint as shown on the contract drawings. The surface removal will taper from the four-inch (4") depth to one-and-three-quarter-inch (1-3/4") depth over 50' as shown on the contract plans.

The hot-mix asphalt surface removal shall be sawcut to prevent unnecessary damage to the remaining existing base course. The sawcut shall be paid for separately. The surface removal shall be accomplished by using a grinding machine or similar method approved by the Engineer. This work shall be done in accordance with Section 440 of the Standard Specifications.

This work will be paid for at the contract unit price per SQUARE YARD for HOT-MIX ASPHALT SURFACE REMOVAL – VARIABLE DEPTH.

TURF PAVERS

This work shall consist of furnishing and installing turf pavers, and filling the voids between the turf pavers with topsoil along a portion of the removed section of Joe Orr Road just east of Tyler Road cul-de-sac as shown on the plans. The purpose of installing these pavers is to provide an access drive to the AT&T facility located on the north side of Joe Orr Road between Tyler Road and Blue Stem Parkway. The turf pavers shall have the dimensions of approximately 23 5/8"X 15 3/4" X 3 1/8"and be of the type produced by Unilock called Turfstone or an approved equal. The opening of the pavers shall be filled with topsoil as described in section 211 of the Standard Specifications and specified herein.

Material: Bedding and jointing sand shall conform to the requirements of Section 1003 of the Standard Specifications for Road and Bridge Construction and shall be gradation FA1 or FA2.

Construction: The sand shall be spread evenly over a prepared base and screed to 1" thickness. The sand should not be disturbed after it has been screeded. Sufficient sand should be placed to stay ahead of the pavers being laid. Ensure that the brick pavers are free of foreign materials before installation. The edge of the longest length of the turf pavers shall be laid parallel to the centerline of Joe Orr Road. The pavers shall be laid while maintain straight-line patterns using string lines or chalk lines. The pavers shall be installed hand-tight to adjacent pavers. Fill gaps at the edge of the paved area with cut pavers. Cut pavers to be placed along the edge shall be cut with a double bladed splitter of masonry saw. Use a low amplitude, high frequency plate vibrator capable of 3500 to 5000 pounds of centrifugal compaction force to vibrate the pavers in the sand. A rubber mat shall be attached to the compactor to protect the pavers from cracking and chipping. This will

require at least two or three passes with the vibrator. Do not vibrate within three or four feet of the unrestrained edges of the paving units. At the end of each day cover the remaining uncompacted edge of the laying face with a waterproof covering. Topsoil should be broadcast directly on the surface and swept into the opening. The pavers shall be vibrated again one the voids are full. The final elevation of the topsoil shall be ¾" below the surface of the pavers. The final surface elevation shall not deviate more than 1/8 in. under a 10 foot long straightedge. Seeding, Class 2A and nutrients shall be according to section 250 of the Standard Specifications and shall be applied with a broadcaster or as directed by the Engineer.

Method of Measurement: The turf pavers will be measured for payment in place and the area computed in square yards.

Basis of Payment: This work will be paid for at the contract unit price per SQUARE FOOT for TURF PAVER which shall included payment for furnishing installing and filling the voids with topsoil and all materials, equipment, labor, tools and incidentals necessary to perform the work as specified. Seeding, Class 2 and Nutrients shall be paid for according to Section 250 of the Standard Specifications.

STORM SEWERS, (DUCTILE IRON PIPE)

The storm sewer shall be Ductile Iron, ANSI thickness Class 52, and conform to ANSI A 21.50, cement lined per ANSI A 21.4, with rubber ring push on joints. Installation shall conform to Section 550 of the Standard Specifications.

This work will be paid for at the contract unit price bid per FOOT for STORM SEWERS (DUCTILE IRON PIPE) of the diameter indicated, which price shall be payment in full for all labor, material and equipment necessary for the installation of the new sewer and all other work as specified herein.

GRATING FOR CONCRETE FLARED END SECTION 72 IN.

This work shall be in accordance with the applicable portions of Section 542 of the Standard Specifications except as modified herein. Shop drawings and design calculations for the grating shall be prepared by a registered structural engineer and shall bear his signature and seal. The contractor shall submit the shop drawings and design calculations to the engineer for approval prior to beginning construction.

This work will be paid for at the contract unit price per EACH for GRATING FOR CONCRETE FLARED END SECTION 72 IN. which price shall include all labor and materials to complete the work in accordance with the plans and these special provisions.

INLET BOX, SPECIAL

This work shall be in accordance with the applicable portions of Section 542 of the Standard Specifications except as modified herein. This item shall be constructed according to the details provided in the plans.

This work will be paid for at the contract unit price per EACH for INLET BOX, SPECIAL.

BOX CULVERT REMOVAL

This work shall be in accordance with the applicable portions of Section 501 of the Standard Specifications except as modified herein. This item shall consist of the removal of the existing 4' x 4' box culvert along Torrence Avenue at the locations indicated on the plans. This item shall include all excavation necessary to remove the box culvert. The removed items shall be disposed of according to Article 202.03 of the Standard Specifications.

This work will be paid for at the contract unit price per FOOT for BOX CULVERT REMOVAL.

BLOCK EXISTING BOX CULVERT

This work shall consist of the blocking of the existing 4' x 4' box culvert along Torrence Avenue at approximate Station 226+60 as indicated on the plans. The culvert shall be blocked with a concrete plug of Class SI Concrete tamped to form a dense, waterproof block and troweled smooth. The concrete block shall be 24 inches thick.

This work will be paid for at the contract unit price per EACH for BLOCK EXISTING BOX CULVERT which price shall include all labor and materials to complete the work in accordance with the plans and these special provisions.

WATER MAIN REMOVAL

At locations indicated on the plans the existing water main to be abandoned shall be cut and capped and the appropriate section as marked and removed. Trench backfill shall be provided in the trench after the water main is removed and shall be provided and paid for separately. The cost for this work including excavation, pipe removal, and pipe disposal shall be paid for at the contract unit price per FOOT for WATER MAIN REMOVAL, of the size specified.

DUCTILE IRON WATER MAIN

This work shall be in accordance with Section 561 of the Standard Specifications except as modified herein. This work shall consist of the vertical adjustment and/or relocation of various size ductile iron water main at locations indicated on the plans or as directed by the Engineer due to separation requirements between the proposed storm sewer and existing water main. The water main shall be "Ductile Iron," ANSI thickness Class 52, Clow "Super Bell-Tite", "Push-On" Joint, or approved equal, and must meet all applicable requirements of ANSI A21.51 (AWWA C151)[pipe]; ANSI A21.10 (AWWA C110) or AWWA C153; [fittings], ANSI A21.11 (AWWA C111)[joints], and ANSI A21.4 (AWWA C104)[pipe lining] specifications. Alloyed steel bolts shall be used to prevent corrosion. All water mains shall be wrapped in 8-mil thick polyethylene encasement

(ANSI/AWWA C105/A21.5) Method B, with pipe and joints wrapped separately.

The Village of Lynwood Public Works Department shall be contacted at 708-758-8434 a minimum of 72 hours before the start of construction to mark the location of the water main. The contractor and the engineer shall determine together in the field where water main will require adjustments. All water mains shall be relocated and tested prior to the construction of storm sewer. Testing will not be paid for separately and shall be included in the cost of DUCTILE IRON WATER MAIN.

Basis of Payment: Measurement shall be made along the horizontal centerline of water main installed with no adjustments made for vertical changes. This pay item 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 the quantities from the estimated quantities shown on the plans. The cost for furnishing all labor, materials and equipment necessary for excavation, construction of the new water main, backfilling, pressure testing, flushing and chlorinating, all materials and labor required for wrapping the water main will be paid for at the contract unit price per FOOT for DUCTILE IRON WATER MAIN of the size indicated.

MECHANICAL JOINT RESTRAINTS

All mechanical joint restraints shall be incorporated in the design of a follower gland. The gland shall be manufactured of ductile iron conforming to ASTM A 536. Dimensions of the gland shall be such that it can be used with the standardized mechanical joint bell and tee-head bolts conforming to AWWA C111 and C153.

The restraint mechanism shall consist of numerous individually activated gripping surfaces to maximize restraint capability. The gripping surfaces shall be sedges designed to spread the bearing surfaces on the pipe. Twist-off nuts, sized same as tee-head bolts, shall be used to insure proper actuating of restraining devices. When the nut is sheared off, a standard hex nut shall remain. The mechanical joint restraint device for ductile iron pipe shall have a working pressure of at least 250 psi with a minimum safety factor of 2. Gasket material identical to that described above shall be utilized at all joints and fittings.

The mechanical joint restraint devices shall be EBAA Iron, Inc. MegaLug 1100 series, Uni-Flange Series 1400, or engineer-approved equal.

Joint restraint for ductile iron pipe within casing shall be Field Lok 350, for Tyton Joint pipe and fittings, TR Flex pipe and fittings, or other engineer-approved equal. Restrained ductile iron pipe shall be rated for 350 psi in accordance with ANSI/AWWA C111/A21.11 *Rubber-Gasket Joints for Ductile Iron Pipe and Fittings*.

All design associated with mechanical joint restraints shall be completed by the contractor and his supplier. Design calculations shall be submitted to the Engineer for review and approval prior to the ordering of materials. The cost for designing, furnishing, installing, adjusting, and testing of mechanical joint restraints will not be compensated for separately but shall be considered incidental to DUCTILE IRON WATER MAIN.

FITTINGS

All fittings shall be made from gray-iron or ductile iron and furnished with mechanical joint ends. All fittings shall have a pressure rating of 250 psi and shall be wrapped with an 8-mil thick polyethylene material per AWWA Standard C105. At locations indicated on the plans or as directed by the Engineer, the water main shall be constructed around existing utility structures or other obstacles by use of tees, bends or other appropriate fittings. Gasket material identical to that described above shall be utilized at all joints and fittings.

The cost for all fittings will not be paid for separately, but shall be included in the cost of DUCTILE IRON WATER MAIN.

FIRE HYDRANT TO BE MOVED
FIRE HYDRANTS

This item of work will take place where indicated on the plans according to Section 564 except as modified herein. Any work to be performed by the contractor involving the water supply system of the Village of Lynwood shall be coordinated with the Lynwood Public Works Department. The existing hydrant shall be removed and relocated to the area as directed by the Engineer. The hydrant lead at the old location shall be plugged appropriately. The condition of the hydrant, auxiliary valve, valve box and tee shall be evaluated to determine if it can be reused. If the condition is acceptable, the fire hydrant shall be relocated and reinstalled as directed by the Engineer.

If the existing fire hydrant is in unsatisfactory condition, a new fire hydrant, auxiliary valve, valve box and tee shall be installed at the new location. All new fire hydrants shall be East Jordan Model 5BR250 or equal as approved by the Village of Lynwood Public Works Department. All unused fire hydrants shall be delivered to the Village of Lynwood Public Works Department.

Basis of Payment: The cost for removing the hydrant and component parts, plugging the old hydrant lead, reinstalling the existing hydrant at the new location and delivering the hydrant (if necessary) shall be paid for at the contract unit price per EACH for FIRE HYDRANT TO BE MOVED. The cost for any new fire hydrants shall be paid for at the contract unit price per EACH for FIRE HYDRANTS.

SCHEDULE 80 GALVANIZED STEEL WATER MAIN, 8 INCH

This work shall consist of the construction of galvanized steel water main at locations indicated on the plans or as directed by the Engineer. All steel pipe specified shall conform to the requirements of ASTM A120. The pipe and fittings shall be Schedule 80 (extra strong) galvanized steel , with wall thickness as specified for each size in Table III of ASTM A120, shall be furnished butt welded, and shall be of the standard length for such materials but not specifically of an exact length. The pipe shall be marked as specified in ASTM A120. The pipe, couplings and fittings shall be manufactured in the United States.

Measurement shall be made along the centerline of water main installed. The cost for furnishing all labor, materials and equipment necessary for excavation, construction of the new water main, backfilling, installing bends and reducers, installing fabricated connections for the irrigation system which are welded to the steel pipe will be paid for at the contract unit price per FOOT for SCHEDULE 80 GALVANIZED STEEL WATERMAIN, 8 INCH.

STEEL SLEEVE – OPEN CUT

This work shall consist of furnishing a 20 inch outer diameter spiral welded, 0.344 inch thick steel casing. The sleeve shall meet ASTM A139 and ANSI/AWWA C200, Grade B, minimum yield strength of 35,000 psi. Sleeves shall extend at least ten feet (10') beyond the proposed right-of-way as indicated in the detail drawings, unless otherwise approved by the Engineer.

After installation of the steel sleeve is completed, the proposed water main shall be constructed in place within the sleeve. The water main shall be inserted and centered by use of model CCS stainless steel casing spacers as manufactured by Cascade Waterworks Mfg. Co. of Yorkville, IL or approved equal at a maximum spacing of 10 feet. Casing spacers shall be bolt on style with a two-piece shell made from T-304 stainless steel of a minimum 14-gauge thickness. Each shell section shall have bolt flanges formed with ribs for added strength. Each connecting flange shall have a minimum of three 5/16" T-304 bolts. The shell shall be lined with a ribbed PVC extrusion with a retaining section that overlaps the edge of the shell and prevents slippage. Bearing surfaces (runners) made from UHMW polymer with a static coefficient of friction of 0.11-0.13 shall be attached to support structures (risers) at appropriate positions to properly support the carrier within the casing and to ease installation. The runners shall be attached mechanically by T-304 threaded fasteners inserted through the punched riser section and TIG welded for strength. Risers shall be made of T-304 14 gauge stainless steel. All risers over two inches (2") in height shall be reinforced. Risers shall be MIG welded to the shell. All metal surfaces shall be fully passivated. The ends of the sleeve shall be sealed using a method approved by the Engineer.

The cost for casing spacers, filling of the annular space (if required), and furnishing and installing the steel sleeve shall be incidental to the contract unit price for the steel sleeve.

The cost of furnishing and installation of the steel sleeve, and all incidental work necessary for its installation, including casing spacers, will be paid for at the contract unit price per FOOT for 20 INCH DIAMETER STEEL SLEEVE, 0.344 INCH WALL THICKNESS, OPEN CUT. The cost for water main constructed within the sleeves will be paid for at its unit price.

WATER VAULTS

Vaults shall be installed at the locations indicated in the plans or as directed by the Engineer. Valves shall be centered directly under the vault lid opening unless otherwise approved by the Engineer. Valve vaults shall conform to ASTM C478.

No more than two (2) adjusting rings with six (6) inch maximum height adjustment shall be allowed. Rubber adjusting rings instead of concrete adjusting rings are required for all valve vaults and precast rings are not allowed. All joints between vaults sections shall be sealed with mastic and McWrap or equal shall be used around the outside wall of the vault at the joints.

All vaults shall be provided with a heavy duty Type 1 frame and closed lid. The manhole frame and cover shall be an East Jordan 1022Z3 embossed "WATER".

Vault construction shall be as shown in the plans. Measurement for payment shall be per EACH for WATER VAULTS of the diameter and size specified installed.

SANITARY MANHOLES TO BE ADJUSTED

The work shall be performed in accordance with applicable portions of Section 602 except as modified herein. Any concrete adjusting rings shall be replaced with rubber Infra-Riser adjusting rings or approved equal. Adjustments shall be made to the proposed elevation of the roadway or parkway.

Basis of Payment: This work shall be paid for at the contract unit price per EACH for SANITARY MANHOLES TO BE ADJUSTED.

VALVE BOXES TO BE ADJUSTED

This work shall be in accordance with Section 602 of the Standard Specifications except as modified herein. Any work to be performed by the contractor involving the water supply system of the Village of Lynwood shall be coordinated with the Lynwood Public Works Department. Particular attention is directed to the adjustment of all valve boxes to the proper grade. 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 Valve Boxes will not be permitted. This work shall be done to the satisfaction of the Engineer.

Granular Trench Backfill material shall be used around the valve boxes to be adjusted which lie within 2' of paved areas. The backfill material shall be compacted to subgrade elevation. Any cost associated with providing and placing Granular Trench Backfill will be incidental to the unit cost for the adjustment of these items.

Basis of Payment: This work will be paid for at the contract unit price per EACH for VALVE BOXES TO BE ADJUSTED.

BARRICADES, TYPE III

This item shall consist of the furnishing and permanent placement of Type III Barricades with "ROAD CLOSED" signs (R11-2, 48"x30") and "DO NOT ENTER" signs (R5-1, 36"x36") on the east leg of Joe Orr Road at Torrence Avenue as shown on the plans and as directed by the Resident Engineer. The signs shall be in accordance with applicable portions Section 720 of the Standard Specifications. The barricades shall be in accordance with applicable portions of Section 1106.02 of the Standard Specifications.

This signs, barricades, mounting, and any related work will be paid for at the contract unit price per EACH for BARRICADES, TYPE III and will include all materials, equipment and labor required to complete the work as

specified above.

EXISTING SIGN TO BE RELOCATED

This work shall be in accordance with the applicable portions of Article 724 of the Standard Specifications except as modified herein. The existing sign located at approximate Station 5+90, RT shall be relocated to a location as directed by the Resident Engineer. The final location of the sign shall be coordinated with the property owner. The cost for this relocation shall be paid for at the contract unit price per EACH for EXISTING SIGN TO BE RELOCATED and will include all materials, equipment and labor required to complete the work as specified above.

SPECIAL PROVISION
FOR
ADJACENT CONTRACT COORDINATION

The contractor shall coordinate construction staging and traffic control operations with the adjacent construction contracts running at the same time whether for the Cook County Highway Department (CCHD) contracts or any other agency's contracts prior to and throughout the duration of the project. This coordination shall include but not be limited to IDOT contracts on Joe Orr Road or other adjacent State of Illinois, Cook County or local roadway jurisdictions and contracts in the immediate vicinity of this project which may impact this project. The effort is to help provide the safest, effective and efficient traffic control and staging for the motoring public within the staging, and project limits of each contract. This work shall be included in the cost of the Traffic Protection pay item, and it includes any adjustments to traffic control devices, signing, barricades or staging needed to accommodate construction staging operations as directed and approved by the Engineer.

CHECK SHEET
FOR
RECURRING SPECIAL PROVISIONS

Adopted January 1, 2011

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

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CHECK SHEET #1

State of Illinois
Department of Transportation

SPECIAL PROVISION
FOR
ADDITIONAL STATE REQUIREMENTS
FOR FEDERAL-AID CONSTRUCTION CONTRACTS

Effective: February 1, 1969
Revised: January 1, 2010

The following provisions are State of Illinois requirements and are in addition to the Federal requirements contained in FHWA-1273, "Required Contract Provisions Federal-Aid Construction Contracts".

"EQUAL EMPLOYMENT OPPORTUNITY

In the event of the Contractor's noncompliance with the provisions of this Equal Employment Opportunity Clause, the Illinois Human Rights Act, or the Illinois Department of Human Rights Rules and Regulations, the Contractor may be declared ineligible for future Contracts or subcontracts with the State of Illinois or any of its political sub-divisions or municipal corporations, and the contract may be cancelled or voided in whole or in part, and such other sanctions or penalties may be imposed or remedies invoked as provided by statute or regulation.

During the performance of this contract, the Contractor agrees as follows:

(1) That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, marital status, national origin or ancestry, age, physical or mental handicap unrelated to ability, or an unfavorable discharge from military service; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.

(2) That, if it hires additional employees in order to perform this contract or any portion hereof, it will determine the availability (according to the Department's Rules and Regulations) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.

(3) That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, martial status, national origin or ancestry, age, physical or mental handicap unrelated to ability, or an unfavorable discharge from military service.

(4) That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of

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the Contractor's obligations under the Illinois Human Rights Act and the Department's Rules and Regulations. If any such labor organization or representative fails or refuses to cooperate with the Contractor in its efforts to comply with such Act and Rules and Regulations, the Contractor will promptly so notify the Illinois Department of Human Rights and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations thereunder.

(5) That it will submit reports as required by the Illinois Department of Human Rights Rules and Regulations, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and the Department's Rules and Regulations.

(6) That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and the Illinois Department of Human Rights for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and the Department's Rules and Regulations.

(7) That it will include verbatim or by reference the provisions of this clause in every subcontract it awards under which any portion of the contract obligations are undertaken or assumed, so that such provisions will be binding upon such subcontractor. In the same manner as with other provisions of this contract, the Contractor will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the Illinois Department of Human Rights in the event any subcontractor fails or refuses to comply therewith. In addition, the Contractor will not utilize any subcontractor declared by the Illinois Human Rights Commission to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations."

"STATEMENTS AND PAYROLLS

The payroll records shall include each worker's name, address, telephone number, social security number, classification, rate of pay, number of hours worked each day, starting and ending times of work each day, total hours worked each week, itemized deductions made, and actual wages paid.

The Contractor and each subcontractor shall submit payroll records to the Engineer each week from the start to the completion of their respective work, except that full social security numbers and home addresses 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 number.). In addition, starting and ending times of work each day may be omitted from the payroll records submitted to the Engineer. The submittals shall be on the Department's form SBE 48, or an approved facsimile. When there has been no activity during a work week, a payroll record shall still be submitted with the appropriate box ("No Work", "Suspended", or "Complete") checked on the form."

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"SUBLETTING OR ASSIGNING THE CONTRACT

The requirements of Section VII of FHWA-1273 are hereby made applicable to Secondary Road Plan Projects."

CHECK SHEET #2

State of Illinois
Department of Transportation

SPECIAL PROVISION
FOR
SUBLETTING OF CONTRACTS
(FEDERAL-AID CONTRACTS)

Effective: January 1, 1988
Revised: May 1, 1993

This Special Provision supersedes paragraph VII of FHWA-1273, "Required Contract Provisions Federal-Aid Construction Contracts".

The Contractor shall not sublet, sell, transfer, assign, or otherwise dispose of the contract or contracts or any portion thereof, or of his/her right, title or interest therein, without written consent of the Engineer. In case such consent is given, the Contractor will be permitted to sublet a portion thereof, but shall perform with the Contractor's own organization, work amounting to not less than 50 percent of the total contract cost, except any items designated in the contract as "specialty items" may be performed by subcontract and the cost of any such specialty items so performed by subcontract may be deducted from the total cost before computing the amount of work required to be performed by the Contractor with his/her own organization. Materials purchased or produced by the Contractor must be incorporated into the project by the Contractor's own organization if their cost is to be applied to the 50 percent requirement.

No subcontracts, or transfer of contract, shall in any case release the Contractor of his/her liability under the contract and bonds. All transactions of the Engineer will be with the Contractor. The Contractor shall have a representative on the job at all times when either contract or subcontract work is being performed.

All requests to subcontract shall contain a certification the subcontract agreement exists in writing and physically contains the required Federal and State Equal Employment Opportunity provisions and Labor compliance provisions, including the contract minimum wage requirements. The Contractor shall permit Department or Federal representatives to examine the subcontract agreements upon notice.

CHECK SHEET #3

State of Illinois
Department of Transportation

SPECIAL PROVISION
FOR
EEO

Effective: July 21, 1978
Revised: November 18, 1980

The requirements of the following provisions written for federally-assisted construction contracts, including all goals and timetables and affirmative action steps, shall also apply to all State-funded construction contracts awarded by the Illinois Department of Transportation.

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. 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 subcontract.

Area Covered (Statewide)

Goals for Women apply nationwide.

GOAL	Goal (percent)
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 to be performed in the respective geographical areas. The goals are applicable to the Contractor's total on-site construction workforce,

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regardless of whether or not part of that workforce is performing work on a federal, federally-assisted or nonfederally related construction contract or subcontract.

Economic Area		Goal (percent)
056	Paducah, KY:	5.2
	Non - SMSA Counties -	
	IL - Hardin, Massac, Pope	
	KY - Ballard, Caldwell, Calloway, Carlisle, Crittenden, Fulton, Graves, Hickman, Livingston, Lyon, McCracken, Marshall	
080	Evansville, IN:	
	Non-SMSA Counties	3.5
	IL - Edwards, Gallatin, Hamilton, Lawrence, Saline, Wabash, White	
	IN - Dubois, Knox, Perry, Pike, Spencer	
	KY - Hancock, Hopkins, McLean, Mublenberg, Ohio, Union, Webster	
081	Terre Haute, IN:	
	Non-SMSA Counties -	2.5
	IL - Clark, Crawford	
	KY - Parke	
083	Chicago, IL	
	SMSA Counties:	
	1600 Chicago, IL -	19.6
	IL - Cook, DuPage, Kane Lake, McHenry, Will	
	3740 Kankakee, IL -	9.1
	IL - Kankakee	
	Non-SMSA Counties -	18.4
	IL - Bureau, DeKalb, Grundy, Iroquois, Kendall, LaSalle, Livingston, Putnam	
	IN - Jasper, Laporte, Newton, Pulaski, Starke	
084	Champaign - Urbana, IL:	
	SMSA Counties:	
	1400 Champaign - Urbana - Rantoul, IL -	7.8
	IL - Champaign	
	Non-SMSA Counties -	4.8
	IL - Coles, Cumberland, Douglas Edgar, Ford, Piatt, Vermilion	

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085 Springfield - Decatur, IL:
SMSA Counties:
2040 Decatur, IL - 7.6
IL – Macon
7880 Springfield, IL - 4.5
IL - Menard, Sangamon
Non-SMSA Counties
IL -Cass, Christian, DeWitt, Logan, 4.0
Morgan, Moultrie, Scott, Shelby

086 Quincy, IL:
Non-SMSA Counties - 3.1
IL - Adams, Brown, Pike
MO - Lewis, Marion, Pike Rails

087 Peoria, IL:
SMSA Counties:
1040 Bloomington - Normal, IL - 2.5
IL - McLean
6120 Peoria, IL - 4.4
IL - Peoria, Tazewell, Woodford
Non-SMSA Counties - 3.3
IL - Fulton, Knox, McDonough, Marshall,
Mason, Schuyler, Stark, Warren

088 Rockford, IL:
SMSA Counties:
6880 Rockford, IL - 6.3
IL - Boone, Winnebago
Non-SMSA Counties - 4.6
IL - Lee, Ogle, Stephenson

098 Dubuque, IA:
Non-SMSA Counties - 0.5
IL - JoDaviess
IA - Atlamakee, Clayton, Delaware,
Jackson, Winnesheik
WI - Crawford, Grant, Lafayette

099 Davenport, Rock Island, Moline, IA - IL:
SMSA Counties:
1960 Davenport, Rock Island, Moline, IA - IL - 4.6
IL - Henry, Rock Island
IA – Scott
Non-SMSA Counties - 3.4
IL - Carroll, Hancock, Henderson,
Mercer, Whiteside
IA - Clinton, DesMoines, Henry,
Lee, Louisa, Muscatine
MO – Clark

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107	SMSA Counties:	
	7040 St. Louis, MO - IL -	14.7
	IL - Clinton, Madison, Monroe, St. Clair	
	MO - Franklin, Jefferson, St. Charles, St. Louis, St. Louis City	
	Non-SMSA Counties -	11.4
	IL - Alexander, Bond, Calhoun, Clay, Effingham, Fayette, Franklin, Greene, Jackson, Jasper, Jefferson, Jersey, Johnson, Macoupin, Marion, Montgomery, Perry, Pulaski, Randolph, Richland, Union, Washington, Wayne, Williamson	
	MO - Bollinger, Butler, Cape Girardeau, Carter, Crawford, Dent, Gasconade, Iron, Lincoln, Madison, Maries, Mississippi, Montgomery, Perry, Phelps, Reynolds, Ripley, St. Francois, Ste. Genevieve, Scott, Stoddard, Warren, Washington, Wayne	

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 11246 and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the provisions and specifications set forth in its federally assisted contracts, and its efforts to meet the goals established for the geographical area where the contract resulting from this solicitation is to be performed. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, Executive Order 11246 and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Illinois Department of Transportation will provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten working days of award of any construction contract and/or subcontract in excess of $10,000 at any tier for construction work under the contract resulting from this solicitation. This notification will list the name, address and telephone number of the subcontractor; employer identification number; estimated dollar amount of the subcontract; estimated starting and

completion dates of the subcontract; and the geographical area in which the contract is to be performed.

4. 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 origin);
      (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 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 either individual 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.

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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 an 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 therefor, 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 compiled 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,

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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 priorto the date for the acceptance of applications for apprenticeship of other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests 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 where 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 non-segregated, 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, makes 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 an 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 Contractor 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 goals 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 or 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 these specifications and of the Equal Opportunity Clause, including suspension, termination and cancellations 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

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such 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 carried out to submit reports relating to the 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 trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or laborer), dates of changes in 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 different standards of compliance or upon the application of 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).

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State of Illinois
Department of Transportation

SPECIAL PROVISION
FOR
PIPE UNDERDRAINS

Effective: September 9, 1987
Revised: January 1, 2007

This work shall be according to Section 601 of the Standard Specifications and Standard 601001, except CA 16 shall be used in lieu of FA 1 or FA 2 for trench backfill. The CA 16 shall be according to Article 1004.05 and Article 1004.01 of the Standard Specifications, except in the table, Coarse Aggregate Gradation, the percent passing the No. 16 (1.18 mm) sieve shall be 4 ± 4%. The trench shall be wrapped using a fabric envelope meeting the requirements of Article 1080.05 of the Standard Specifications. The fabric encompassing the trench shall be in addition to the fabric required to be placed in direct contract with the pipe.

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, 2011

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

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

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

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

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

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

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

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

Quality Control Plan. The Contractor shall submit, in writing, a proposed Quality Control (QC) Plan to the Engineer. The QC Plan shall be submitted a minimum of

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

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

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

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

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

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

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

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

Quality Control by Contractor. The Contractor shall perform quality control inspection, sampling, testing, and documentation to meet contract requirements. Quality control includes the recognition of obvious defects and their immediate correction. Quality control also includes appropriate action when passing test results are near specification limits, or to resolve test result differences with the Engineer. Quality control may require increased testing, communication of test results to the plant or the jobsite, modification of operations, suspension of mixture production, rejection of material, or other actions as appropriate. The Engineer shall be

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immediately notified of any failing tests and subsequent remedial action. Passing tests shall be reported no later than the start of the next work day.

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

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

The QC Manager shall visit the jobsite a minimum of once a week. A visit shall be performed the day of a bridge deck pour, the day a non-routine mixture is placed as determined by the Engineer, or the day a plant is anticipated to produce more than 1000 cu yd (765 cu m). Any of the three required visits may be used to meet the once per week minimum requirement.

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

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

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

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

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

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

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

Quality Assurance by Engineer. The Engineer will perform quality assurance tests on independent samples and split samples. An independent sample is a field sample obtained and tested by only one party. A split sample is one of two equal portions of a field sample, where two parties each receive one portion for testing. The Engineer may request the Contractor to obtain a split sample. Aggregate split samples and any failing strength specimen shall be retained until permission is given by the Engineer for disposal. The results of all quality assurance tests by the Engineer will be made available to the Contractor. However, Contractor split sample test results shall be provided to the Engineer before Department test results are revealed. The Engineer's quality assurance independent sample and split sample testing is indicated in Schedule C.

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

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

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

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

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(c) Test Results and Specification Limits.

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

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

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

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

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

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

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

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

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

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

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

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

Documentation.

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

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

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

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

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SCHEDULE A

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

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

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

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

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

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

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

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SCHEDULE B

CONTRACTOR JOBSITE SAMPLING & TESTING [1/]			
Item	Measured Property	Random Sample Testing Frequency per Mix Design and per Plant [2/]	IL Modified AASHTO Test Method
Pavement, Shoulder, Base Course, Base Course Widening, Bridge Approach Pavement, Driveway Pavement, Railroad Crossing, Cement Aggregate Mixture II	Slump [3/ 4/]	1 per 500 cu yd (400 cu m) or minimum 1/day	T 141 and T 119
	Air Content [3/ 5/ 6/]	1 per 100 cu yd (80 cu m) or minimum 1/day	T 141 And T 152 or T 196
	Compressive Strength [7/ 8/] or Flexural Strength [7/ 8/]	1 per 1250 cu yd (1000 cu m) or minimum 1/day	T 141, T 22 and T 23 Or T 141, T 177 and T 23
Bridge Deck [9/], Bridge Deck Overlay [9/], Superstructure [9/], Substructure, Culvert, Miscellaneous Drainage Structures, Retaining Wall, Building Wall, Drilled Shaft Pile & Encasement Footing, Foundation, Pavement Patching, Structural Repairs	Slump [3/ 4/]	1 per 50 cu yd (40 cu m) or minimum 1/day	T 141 and T 119
	Air Content [3/ 5/ 6/]	1 per 50 cu yd (40 cu m) or minimum 1/day	T 141 And T 152 or T 196
	Compressive Strength [7/ 8/] or Flexural Strength [7/ 8/]	1 per 250 cu yd (200 cu m) or minimum 1/day	T 141, T 22 and T 23 Or T 141, T 177 and T 23
Seal Coat	Slump	1 per 250 cu yd (200 cu m) or minimum 1/day	T 141 and T 119
	Compressive Strength [7/ 8/] or Flexural Strength [7/ 8/]	1 per 250 cu yd (200 cu m) or minimum 1/day	T 141, T 22 and T 23 Or T 141, T 177 and T 23

CHECK SHEET #31

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

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

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

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

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

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

5/ If a pump or conveyor is used for placement, a correction factor shall be established to allow for a loss of air content during transport. The first three

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

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

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

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

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

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

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

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

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

CHECK SHEET #31

SCHEDULE C

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

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

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

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

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

CHECK SHEET #31

SCHEDULE D

IDOT CONCRETE QUALITY CONTROL AND QUALITY ASSURANCE DOCUMENTS

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

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

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

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

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

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

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

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

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

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

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

(l) Portland Cement Concrete Tester Course (*)

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

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

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

(p) Manual of Test Procedures for Materials

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

CHECK SHEET
FOR
RECURRING LOCAL ROADS AND STREETS SPECIAL PROVISIONS

Adopted January 1, 2011

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

RECURRING LOCAL ROADS AND STREETS SPECIAL PROVISIONS

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CHECK SHEET #LRS2

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION
FOR
FURNISHED EXCAVATION

Effective: January 1, 1999
Revised: January 1, 2007

Add the following subparagraph to Article 204.07 of the Standard Specifications:

"(c) Truck Loads. When contract quantities do not exceed 2000 cu yd (cu m), furnished excavation may be measured by truck loads. Prior to the start of work, the Contractor and the Engineer shall agree to a standard volume for the trucks utilized by the Contractor. A shrinkage factor of 25 percent will be used in the computations."

CHECK SHEET #LRS3

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION
FOR
WORK ZONE TRAFFIC CONTROL SURVEILLANCE

Effective: January 1, 1999
Revised: January 1, 2010

Revise Article 701.10 of the Standard Specifications to read:

"The Contractor shall conduct inspections of the worksite at a frequency that will allow for the timely replacement of any traffic control device that has become displaced, worn, or damaged. A sufficient quantity of replacement devices, based on vulnerability to damage, shall be readily available to meet this requirement."

Delete Articles 701.19(d) and Article 701.20(g) of the Standard Specifications.

CHECK SHEET #LRS4

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION
FOR
FLAGGERS IN WORK ZONES

Effective: January 1, 1999
Revised: January 1, 2007

Revise the last paragraph of Article 701.13 of the Standard Specifications to read:

"Flaggers are required only when workers are present."

AGGREGATE SUBGRADE, 12" (300 MM)
Effective: May 1, 1990
Revised: August 1, 2008

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.

Sieve Size	Percent Passing
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

Sieve Size	Percent Passing
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

3. Crushed Concrete with Bituminous Materials**

Sieve Size	Percent Passing
6 in. (150 mm)	97 ± 3
4 in. (100 mm)	90 ± 10
2 in. (50 mm)	45 ± 25
No. 4 (4.75 mm)	20 ± 20
No. 200 (75 µm)	5 ± 5

* Not to be used in 30 or 40 year extended life concrete pavement or extended life bituminous concrete pavement (full depth).

** 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 products. The top size of the bituminous material in the final product shall be less than 4 inches (100 mm) 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 (225 mm) 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 1 ½ inches (37.5 mm) 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 Section 1031 and having 100% passing the 1 ½ inches (37.5 mm) sieve and well graded down through fines may also be used as capping aggregate. IDOT testing of the RAP material will be used in determining the percent of steel slag RAP or Expansive Material. When the contract specifies that an aggregate subbase is to be placed on the Aggregate Subgrade, the 3 inches (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 (600 mm) or less.

Method of Measurement.

Contract Quantities. Contract quantities shall be in accordance with Article 202.07 of the Standard Specifications.

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 yard (square meter) for AGGREGATE SUBGRADE, 12" (AGGREGATE SUBGRADE, 300 mm).

EPOXY COATING ON REINFORCEMENT (DISTRICT ONE)
Effective: January 1, 2007
Revised: July 20, 2010

For work outside the limits of bridge approach pavement, all references in the Highway Standards and Standard Specifications for reinforcement, dowel bars and tie bars in pavement, shoulders, curb, gutter, combination curb and gutter and median, and chair supports for CRC pavement, shall be epoxy coated, unless noted on the plan.

RECLAIMED ASPHALT PAVEMENT (RAP) (BMPR)

Effective: January 1, 2007
Revised: March 1, 2011

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

Revise Section 1031 of the Standard Specifications to read:

"SECTION 1031. RECLAIMED ASPHALT PAVEMENT

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

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

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

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

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

(c) Conglomerate. Conglomerate RAP stockpiles shall consist of RAP from Class I, Superpave (High ESAL), HMA (High ESAL), or equivalent mixtures. The coarse aggregate in this RAP shall be crushed aggregate and may represent more than one aggregate type and/or quality but shall be at least C quality. This RAP may have an

inconsistent gradation and/or asphalt binder content prior to processing. All conglomerate RAP shall be processed prior to testing by crushing to where all RAP shall pass the 5/8 in. (16 mm) or smaller screen. Conglomerate RAP stockpiles shall not contain steel slag or other expansive material as determined by the Department.

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

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

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

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

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

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

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

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

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

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

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

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

1031.04 Quality Designation of Aggregate in RAP/FRAP.

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

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

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

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

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

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

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

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

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

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

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

(c) Use in HMA Surface Mixtures (High and Low ESAL). RAP/FRAP stockpiles for use in HMA surface mixtures (High and Low ESAL) shall be FRAP or homogeneous in which the coarse aggregate is Class B quality or better. RAP/FRAP shall be considered equivalent to Limestone for frictional considerations unless produced/screened to minus 3/8 inch.

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

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

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

Max RAP Percentage

HMA Mixtures [1/, 3/]	Maximum % RAP		
Ndesign	Binder/Leveling Binder	Surface	Polymer Modified
30	30	30	10
50	25	15	10
70	15 / 25 [2/]	10 / 15 [2/]	10
90	10	10	10
105	10	10	10

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

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

3/ When RAP exceeds 20 percent, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent RAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28). If warm mix asphalt (WMA) technology is utilized, and production temperatures do not exceed 275 °F (135 °C) the high and low virgin asphalt binder grades shall each be reduced by one grade when RAP exceeds 25 percent (i.e. 26 percent RAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28)..

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

(1) Level 1 Max FRAP Percentage

HMA Mixtures [1/, 2/]	Level 1 - Maximum % FRAP		
Ndesign	Binder/Leveling Binder	Surface	Polymer [3/, 4/] Modified
30	35	35	10
50	30	25	10
70	25	20	10
90	20	15	10
105	10	10	10

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

2/ When FRAP exceeds 20 percent for all mixes, except for SMA and IL-4.75, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent FRAP would require a virgin asphalt binder

grade of PG64-22 to be reduced to a PG58-28). If warm mix asphalt (WMA) technology is utilized, and production temperatures do not exceed 275°F (135 °C) the high and low virgin asphalt binder grades shall each be reduced by one grade when FRAP exceeds 25 percent (i.e. 26 percent FRAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).

3/ For SMA the maximum FRAP shall be 20 percent. When the FRAP usage in SMA exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).

4/ For IL-4.75 mix the amount of minus #4 fine fraction FRAP shall not exceed 20 percent. When the FRAP usage in IL-4.75 exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).

(2) Level 2 Max FRAP Percentage

HMA Mixtures [1/, 2/]	Level 2 - Maximum % FRAP		
Ndesign	Binder/Leveling Binder	Surface	Polymer Modified [3/, 4/]
30	40	40	10
50	40	30	10
70	30	20	10
90	30	20	10
105	30	15	10

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

2/ When FRAP exceeds 20 percent for all mixes, except for SMA and IL-4.75, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent FRAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28). If warm mix asphalt (WMA) technology is utilized, and production temperatures do not exceed 275°F (135 °C) the high and low virgin asphalt binder grades shall each be reduced by one grade when FRAP exceeds 25 percent (i.e. 26 percent FRAP would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).

3/ For SMA the maximum FRAP shall be 20 percent. When the FRAP usage in SMA exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent asphalt binder

replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).

4/ For IL-4.75 mix the amount of minus #4 fine fraction FRAP shall not exceed 30 percent. When the FRAP usage in IL-4.75 exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).

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

FRAP mix designs exceeding the Level 1 FRAP percentages shall be tested prior to submittal for verification, according to Illinois Modified AASHTO T324 (Hamburg Wheel) and shall meet the following requirements:

Asphalt Binder Grade	# Repetitions	Max Rut Depth (mm)
PG76-XX	20,000	12.5
PG70-XX	15,000	12.5
PG64-XX	10,000	12.5
PG58-XX	10,000	12.5

RAP/FRAP designs shall be submitted for volumetric verification. If additional RAP/FRAP stockpiles are tested and found that no more than 20 percent of the results, as defined under "Testing" herein, are outside of the control tolerances set for the original RAP/FRAP stockpile and HMA mix design, and meets all of the requirements herein, the additional RAP/FRAP stockpiles may be used in the original mix design at the percent previously verified.

1031.07 HMA Production. Mixture production where the FRAP percentage exceeds the Level 1 limits shall be sampled within the first 500 tons on the first day of production with a split reserved for the Department. The mix sample shall be tested according to Illinois Modified AASHTO T324 and shall meet the requirements specified herein. FRAP mix production shall not exceed 1,500 tons or one days production, which ever comes first, until the testing is completed and the mixture is found to be in conformance. The requirement to cease mix production may be waived if the plant produced FRAP mixture conformance is demonstrated prior to start of mix production for the contract.

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

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

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

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

(a) Dryer Drum Plants.

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

(2) HMA mix number assigned by the Department.

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

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

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

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

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

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

(b) Batch Plants.

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

(2) HMA mix number assigned by the Department.

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

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

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

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

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

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

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

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

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

BITUMINOUS PRIME COAT FOR HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) (D-1)
Effective: May 1, 2007

Revise Article 407.06(b) of the Standard Specifications to read:

"A bituminous prime coat shall be applied between each lift of HMA according to Article 406.05(b) at a rate of 0.02 to 0.05 gal/sq yd (0.1 to 0.2 L/sq m), the exact rate to be determined by the Engineer."

Revise the second paragraph of Article 407.12 of the Standard Specifications to read:

"Prime Coat will be paid for at the contract unit price per gallon (liter) or per ton (metric ton) for BITUMINOUS MATERIALS (PRIME COAT)."

TEMPERATURE CONTROL FOR CONCRETE PLACEMENT (DISTRICT ONE)
Effective: May 1, 2007

Delete the second and third sentences of the second paragraph of Article 1020.14(a) of the Standard Specifications.

FINE AGGREGATE FOR HOT- MIX ASPHALT (HMA) (D-1)
Effective: May 1, 2007
Revised: January 15, 2010

Add the following to the gradation tables of Article 1003.01(c) of the Standard Specifications:

FINE AGGREGATE GRADATIONS					
Grad No.	Sieve Size and Percent Passing				
	3/8	No. 4	No. 8	No. 16	No. 200
FA 22	100	6/	6/	8±8	2±2

FINE AGGREGATE GRADATIONS (metric)					
	Sieve Size and Percent Passing				
Grad No.	9.5 mm	4.75 mm	2.36 mm	1.16 mm	.75 µm
FA 22	100	6/	6/	8±8	2±2

6/ For the fine aggregate gradations FA 22, the aggregate producer shall set the midpoint percent passing, and the Department will apply a range of ± ten percent. The midpoint shall not be changed without Department approval.

Revise Article 1003.03(a) of the Standard Specifications to read:

"(a) Description. Fine aggregate for HMA shall consist of sand, stone sand, chats, slag sand, or steel slag sand. For gradation FA 22, uncrushed material will not be permitted."

Revise Article 1003.03 (c) of the Standard Specifications to read:

"(c) Gradation. The fine aggregate gradation for all HMA shall be FA1, FA 2, FA 20, FA 21 or FA 22. When Reclaimed Asphalt Pavement (RAP) is incorporated in the HMA design, the use of FA 21 Gradation will not be permitted.

Gradation FA 1, FA 2, or FA 3 shall be used when required for prime coat aggregate application for HMA."

HOT MIX ASPHALT MIXTURES, EGA MODIFIED PERFORMANCE GRADED (PG) ASPHALT BINDER
Effective: March 16, 2009

Description. This work shall consist of constructing Hot Mix Asphalt (HMA) mixtures containing ethylene-glycidyl-acrylate (EGA) Modified Performance Graded (PG) Asphalt Binder. Work shall be according to Sections 406, 1030, and 1032 of the Standard Specifications, except as modified herein.

The asphalt binder shall meet the following requirements:

EGA Modified Performance Graded (PG) Asphalt Binder. The asphalt binder shall meet the requirements of AASHTO M 320, Table 1 "Standard Specification for Performance Graded Asphalt Binder" for the grade shown on the plans. An ethylene-glycidyl-acrylate (EGA) terpolymer with a maximum of 0.3 percent polyphosphoric acid by weight of asphalt binder, shall be added to the base asphalt binder to achieve the specified performance grade. Asphalt modification at hot-mix asphalt plants will not be allowed. The modified asphalt binder shall be smooth, homogeneous, and be according to the requirements shown in the following table for the grade shown on the plans.

Ethylene-Glycidyl-Acrylate (EGA) Modified Asphalt Binders		
Test	Asphalt Grade EGA PG 70-22 EGA PG 70-28	Asphalt Grade EGA PG 76-22 EGA PG 76-28
Separation of Polymer Illinois Test Procedure, "Separation of Polymer from Asphalt Binder" Difference in °F (°C) of the softening point between top and bottom portions.	4 (2) max.	4 (2) max.
TEST ON RESIDUE FROM ROLLING THIN FILM OVEN TEST (AASHTO T 240)		
Elastic Recovery ASTM D 6084, Procedure A, 77 °F (25 °C), 100 mm elongation, %	60 min.	70 min.

RECLAIMED ASPHALT SHINGLES (RAS) (BMPR)

Effective: March 1, 2011

Description. Reclaimed asphalt shingles (RAS) meeting Type I or Type 2 requirements will be permitted in all HMA mixtures as specified herein for overlay applications only. RAS shall not be used in full depth HMA pavement. RAS shall be a clean and uniform material with a maximum of 0.5 percent unacceptable materials, as defined in Bureau of Materials and Physical Research Policy (BMPR) Memorandom *Reclaimed Asphalt Shingle (RAS) Sources*, by weight of RAS. All RAS used shall come from a BMPR approved processing facility where it shall be ground and processed to 100 percent passing the 3/8 in. sieve and 93 percent passing the #4 sieve based on a dry shake gradation. RAS shall be uniform in gradation and asphalt binder content and shall meet the testing requirements specified herein.

Definitions. RAS shall meet either Type I or Type 2 requirements as specified herein.

(a) Type I. Type I RAS shall be processed, preconsumer asphalt shingles salvaged from the manufacture of residential asphalt roofing shingles.

(b) Type 2. Type 2 RAS shall be processed post-consumer shingles only, salvaged from residential, or four unit or less dwellings not subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP).

Stockpiles. Type 1 and Type 2 RAS shall be stockpiled separately and shall not be intermingled. Each stockpile shall be signed indicating what type of RAS is present.

Unless otherwise approved by the Engineer, mechanically blending manufactured sand (FM20 or FM 22) up to an equal weight of RAS with the processed RAS will be permitted to improve workability. The sand shall be "B Quality" or better from an approved Aggregate Gradation Control System source. The sand shall be accounted for in the mix design and during HMA production.

Records identifying the shingle processing facility supplying the RAS, RAS type and lot number shall be maintained by project contract number and kept for a minimum of 3 years.

Testing. RAS shall be sampled and tested during stockpiling.

For testing during stockpiling, washed extraction, and testing for unacceptable materials shall be run at the minimum frequency of one sample per 200 tons (180 metric tons) for the first 1000 tons (900 metric tons) and one sample per 250 tons (225 metric tons) thereafter. A minimum of five tests are required for stockpiles less than 1000 tons (900 metric tons). Once a ≤ 1000 ton, five-test stockpile has been established it shall be sealed. Additional incoming RAS shall be stockpiled in a separate working pile as designated in the Quality Control plan and only added to the sealed stockpile when the test results of the working pile are complete and are found to meet the tolerances specified herein for the original sealed RAS stockpile.

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

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

Parameter	RAS
No. 8 (2.36 mm)	± 5 %
No. 16 (1.18 mm)	± 5 %
No. 30 (600 µm)	± 4%
No. 200 (75 µm)	± 2.0 %
Asphalt Binder Content	± 1.5 %

If more than 20 percent of the individual sieves are out of the gradation tolerances, or if more than 20 percent of the asphalt binder content, or if the percent unacceptable materials exceeds 0.5 percent by weight of material retained on the #4 sieve, the RAS shall not be used in Department projects. All test data and acceptance ranges shall be sent to the District for evaluation.

Use of RAS in HMA. Type 1 or Type 2 RAS may be used alone or in conjunction with Reclaimed Asphalt Pavement (RAP) in all HMA mixtures up to a maximum of 5.0 percent by weight of total mix.

Level 1 asphalt binder replacement. The maximum Level 1 RAS or RAS/RAP blend usage will be dictated by the Level 1 - Maximum Asphalt Binder Replacement (MABR) table listed below.

HMA Mixtures 1/, 2/	Level 1 - Maximum Asphalt Binder Replacement		
Ndesign	Binder/Leveling Binder	Surface	Polymer Modified 3/, /4
30	35	35	10
50	30	25	10
70	25	20	10
90	20	15	10
105	10	10	10

1/ For HMA shoulder and stabilized subbase (HMA "All Other") N-30, the maximum binder replacement shall be 50 percent.

2/ When the asphalt binder replacement exceeds 20 percent for all mixtures, except for SMA and IL-4.75, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 25 percent asphalt binder replacement would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).

3/ For SMA the maximum asphalt binder replacement shall be 20 percent. When the binder replacement exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).

4/ For IL-4.75 mix the maximum asphalt binder replacement shall not exceed 20 percent. When the asphalt binder replacement exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).

Level 2 asphalt binder replacement. The maximum Level 2 RAS or RAS/RAP blend usage will be dictated by the Level 2 - MABR table listed below.

HMA Mixtures [1/, 2/]	Level 2 - Maximum Asphalt Binder Replacement		
Ndesign	Binder/Leveling Binder	Surface	Polymer Modified [3/, 4/]
30	40	40	10
50	40	30	10
70	30	20	10
90	30	20	10
105	30	15	10

1/ For HMA shoulder and stabilized subbase (HMA "All Other") N-30, the maximum binder replacement shall be 50 percent.

2/ When the asphalt binder replacement exceeds 20 percent for all mixtures, except for SMA and IL-4.75, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 25 percent asphalt binder replacement would require a virgin asphalt binder grade of PG64-22 to be reduced to a PG58-28).

3/ For SMA the maximum asphalt binder replacement shall be 20 percent. When the binder replacement exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).

4/ For IL-4.75 mix the maximum asphalt binder replacement shall not exceed 30 percent. When the asphalt binder replacement exceeds 10 percent, the high and low virgin asphalt binder grade shall each be reduced by one grade (i.e. 15 percent

asphalt binder replacement would require a virgin asphalt binder grade of PG76-22 to be reduced to a PG70-28).

HMA Mix Designs. RAS and RAS/RAP designs shall be submitted for volumetric verification. Type 1 and Type 2 RAS are not interchangeable in a mix design. A RAS stone bulk specific gravity (Gsb) of 2.500 shall be used for mix design purposes.

RAS and RAS/RAP mix designs with asphalt binder replacements exceeding the Level 1 – MABR limits specified herein, shall be tested prior to submittal for verification, according to Illinois Modified AASHTO T324 (Hamburg Wheel). RAS and RAS/RAP mixtures exceeding the Level 1 MABR limits shall meet the following requirements:

Asphalt Binder Grade	# Repetitions	Max Rut Depth (mm)
PG76-XX	20,000	12.5
PG70-XX	15,000	12.5
PG64-XX	10,000	12.5
PG58-XX	10,000	12.5

HMA Production. Mixture production, where the RAS and RAS/RAP asphalt binder replacement exceeds the Level 1 MABR, shall be sampled within the first 500 tons on the first day of production with a split reserved for the Department. The mix sample shall be tested according to Illinois Modified AASHTO T324 and shall meet the requirements specified herein. RAS and RAS/RAP mix production shall not exceed 1,500 tons or one days production, which ever comes first, until the testing is completed and the mixture is found to be in conformance. The requirement to cease mix production may be waived if the RAS and RAS/RAP plant produced mixture conformance is demonstrated prior to start of mix production for a State contract.

RAS shall be incorporated into the HMA mixture either by a separate weight depletion system or by using the RAP weigh belt. Either feed system shall be interlocked with the aggregate feed or weigh system to maintain correct proportions for all rates of production and batch sizes. The portion of RAS shall be controlled accurately to within ± 0.5 percent of the amount of RAS utilized. When using the weight depletion system, flow indicators or sensing devices shall be provided and interlocked with the plant controls such that mixture production is halted when RAS flow is interrupted.

When producing HMA containing RAS, a positive dust control system shall be utilized.

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

(a) Dryer Drum Plants.

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

(2) HMA mix number assigned by the Department.

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

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

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

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

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

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

(b) Batch Plants.

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

(2) HMA mix number assigned by the Department.

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

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

(5) RAS weight to the nearest pound (kilogram).

(6) Virgin asphalt binder weight to the nearest pound (kilogram).

(7) Residual asphalt binder in the RAS material as a percent of the total mix to the nearest 0.1 percent.

The printouts shall be maintained in a file at the plant for a minimum of one year or as directed by the Engineer and shall be made available upon request. The printing system will be inspected by the Engineer prior to production and verified at the beginning of each construction season thereafter.

HOT MIX ASPHALT MIXTURE IL-4.75 (DIST 1)
Effective: January 1, 2007
Revised: April 1, 2010

Description. This work shall consist of constructing Hot-Mix Asphalt (HMA) surface course or leveling binder with an IL-4.75 mixture. Work shall be according to Sections 406, 1030, 1031 and 1032 of the Standard Specifications except as modified herein.

Materials.

Fine Aggregate: Revise Note 2 of Article 1030.02 of the Standard Specifications to read:

(a) Gradation. The fine aggregate gradation for IL-4.75 shall be FA 1, FA 2, FA 20 or FA 22.

When the 4.75 mix is used as leveling binder, steel slag sand will not be permitted.

The fine aggregate quality shall be Class B. The total minus No. 200 (75 µm) material in the mixture shall be free from organic impurities.

(b) Reclaimed Asphalt Pavement (RAP). Only processed RAP over 3/8 in. (9.5 mm) screen will be permitted in the 4.75 mm mix. A maximum of 15 percent RAP will be allowed.

(c) Asphalt Binder (AB). The AB shall be either Elvaloy or SBS/SBR; both shall be either PG 76 -22 or PG 76 -28. The AB shall meet the requirements of Article 1032.05(b) of the Standard Specifications; however the elastic recovery of the AB shall be 80 minimum.

The AB shall be shipped, maintained, and stored at the mix plant according to the manufacturer's requirements. It shall be placed in an empty tank and not blended with other asphalt cements.

(d) Mineral Filler. Mineral filler shall conform to the requirements of Article 1011.01 of the Standard Specifications.

Mixture Design. Add the following to Article 1030.04(b) of the Standard Specifications

"(4) IL 4.75 Mixture.

Volumetric Parameter	Requirement
Design Air Voids	4.0% at Ndesign 50
Voids in the Mineral Aggregate (VMA)	18.5% minimum
Voids Filled with Asphalt (VFA)	72 - 85%
Dust/AC Ratio	1.0
Density (% of Max Specific Gravity)	93.0 - 97.4
Maximum Drain-down	0.3%

Mixture Production. Plant modifications may be required to accommodate the addition of higher percentages of mineral filler as required by the JMF.

During production, mineral filler shall not be stored in the same silo as collected dust. This may require any previously collected bag house dust in a storage silo prior to production of the IL-4.75 mixture to be wasted. Only metered bag house dust may be returned back directly to the mix. Any additional minus No. 200 (75 µm) material needed to produce the IL-4.75 shall be mineral filler.

As an option, collected bag-house dust may be used in lieu of manufactured mineral filler, provided; 1) there is enough is available for the production of the IL-4.75 mix for the entire project and 2) a mix design was prepared with collected bag-house dust.

The mixture shall be produced within the temperature range recommended by the asphalt cement producer; but not less than 325 °F (165 °C).

The amount of moisture remaining in the finished mixture shall be less than 0.3 percent based on the weight of the test sample after drying.

Mixtures contain steel slag sand or aggregate having absorptions ≥ 2.5 percent shall have a silo storage plus haul time of not less than 1.5 hours.

Control Charts/Limits.

Add the following to Control Limits table in Article 1030.04(d)(4) of the Standard Specifications:

Parameter	Individual Test	Moving Average
% Passing		
No. 16 (1.18 mm)	± 4%	± 3%
No. 200 (75 µm)	± 1.5%	± 1.0%
Asphalt Binder Content	± 0.3%	± 0.2%
Air Voids	± 1.2% (of design)	± 1.0% (of design)

CONSTRUCTION REQUIREMENTS

Compaction.

Add the following after the first paragraph of Article 406.07(a) of the Standard Specifications:

"The compaction operation shall start immediately after the mixture has been placed. The Contractor shall provide a minimum of two steel-wheeled tandem rollers for breakdown (T_B) and one finish steel-wheeled roller (T_F) meeting the requirements of Article 1101.01(e), except the minimum compression for all of the rollers shall be 280 lb/in. (49 N/mm) of roller width. Pneumatic-tired and vibratory rollers will not be permitted."

DRAINAGE AND INLET PROTECTION UNDER TRAFFIC (DISTRICT 1)

Effective: April 1, 2011
Revised: April 2, 2011

Add the following to Article 603.02 of the Standard Specifications:

"(i) Temporary Hot-Mix Asphalt (HMA) Ramp (Note 1) 1030
(j) Temporary Rubber Ramps (Note 2)

Note 1. The HMA shall have maximum aggregate size of 3/8 in. (95 mm).

Note 2. The rubber material shall be according to the following.

Property	Test Method	Requirement
Durometer Hardness, Shore A	ASTM D 2240	75 ±15
Tensile Strength, psi (kPa)	ASTM D 412	300 (2000) min
Elongation, percent	ASTM D 412	90 min
Specific Gravity	ASTM D 792	1.0 - 1.3
Brittleness, °F (°C)	ASTM D 746	-40 (-40)"

Revise Article 603.07 of the Standard Specifications to read:

"603.07 Protection Under Traffic. After the casting has been adjusted and the Class PP concrete has been placed, the work shall be protected by a barricade and two lights according to Article 701.17(e)(3)b.

When castings are under traffic before the final surfacing operation has been started, properly sized temporary ramps shall be placed around the drainage and/or utility castings according to the following methods.

(a) Temporary Asphalt Ramps. Temporary hot-mix asphalt ramps shall be placed around the casting, flush with its surface and decreasing to a featheredge in a distance of 2 ft (600 mm) around the entire surface of the casting.

(b) Temporary Rubber Ramps. Temporary rubber ramps shall only be used on roadways with permanent posted speeds of 40 mph or less and when the height of the casting to be protected meets the proper sizing requirements for the rubber ramps as shown below.

Dimension	Requirement
Inside Opening	Outside dimensions of casting + 1 in. (25 mm)

Thickness at inside edge	Height of casting ± 1/4 in. (6 mm)
Thickness at outside edge	1/4 in. (6 mm) max.
Width, measured from inside opening to outside edge	8 1/2 in. (215 mm) min

Placement shall be according to the manufacturer's specifications.

Temporary ramps for castings shall remain in place until surfacing operations are undertaken within the immediate area of the structure. Prior to placing the surface course, the temporary ramp shall be removed. Excess material shall be disposed of according to Article 202.03."

ADJUSTMENTS AND RECONSTRUCTIONS
Effective: March 15, 2011

Revise the first paragraph of Article 602.04 to read:

"**602.04 Concrete.** Cast-in-place concrete for structures shall be constructed of Class SI concrete according to the applicable portions of Section 503. Cast-in-place concrete for pavement patching around adjustments and reconstructions shall be constructed of Class PP-1 concrete, unless otherwise noted in the plans, according to the applicable portions of Section 1020."

Revise the third, fourth and fifth sentences of the second paragraph of Article 602.11(c) to read:

"Castings shall be set to the finished pavement elevation so that no subsequent adjustment will be necessary, and the space around the casting shall be filled with Class PP-1 concrete, unless otherwise noted in the plans, to the elevation of the surface of the base course or binder course. HMA surface or binder course material shall not be allowed. The pavement may be opened to traffic according to Article 701.17(e)(3)b."

Revise Article 603.05 to read:

"**603.05 Replacement of Existing Flexible Pavement.** After the castings have been adjusted, the surrounding space shall be filled with Class PP-1 concrete, unless otherwise noted in the plans, to the elevation of the surface of the base course or binder course. HMA surface or binder course material shall not be allowed. The pavement may be opened to traffic according to Article 701.17(e)(3)b."

Revise Article 603.06 to read:

"**603.06 Replacement of Existing Rigid Pavement.** After the castings have been adjusted, the pavement and HMA that was removed, shall be replaced with Class PP-1 concrete, unless otherwise noted in the plans, not less than 9 in. (225 mm) thick. The pavement may be opened to traffic according to Article 701.17(e)(3)b.

The surface of the Class PP concrete shall be constructed flush with the adjacent surface."

Revise the first sentence of Article 603.07 to read:

"**603.07 Protection Under Traffic.** After the casting has been adjusted and the Class PP concrete has been placed, the work shall be protected by a barricade and two lights according to Article 701.17(e)(3)b."

BDE SPECIAL PROVISIONS
For the November 18, 2011 Letting

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.

File Name	#		Special Provision Title	Effective	Revised
80240	1		Above Grade Inlet Protection	July 1, 2009	
80099	2		Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2007
80186	3	X	Alkali-Silica Reaction for Cast-in-Place Concrete	Aug. 1, 2007	Jan. 1, 2009
80213	4	X	Alkali-Silica Reaction for Precast and Precast Prestressed Concrete	Jan. 1, 2009	
80207	5	X	Approval of Proposed Borrow Areas, Use Areas, and/or Waste Areas (NOTE: This special provision was previously named *"Approval of Proposed Borrow Areas, Use Areas, and/or Waste Areas Inside Illinois State Borders"*.)	Nov. 1, 2008	Nov. 1, 2010
80192	6		Automated Flagger Assistance Device	Jan. 1, 2008	
80173	7	X	Bituminous Materials Cost Adjustments	Nov. 2, 2006	April 1, 2009
80241	8		Bridge Demolition Debris	July 1, 2009	
5026I	9		Building Removal-Case I (Non-Friable and Friable Asbestos)	Sept. 1, 1990	April 1, 2010
5048I	10		Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
5049I	11		Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010
5053I	12		Building Removal-Case IV (No Asbestos)	Sept. 1, 1990	April 1, 2010
80166	13	X	Cement	Jan. 1, 2007	April 1, 2011
80260	14		Certification of Metal Fabricator	July 1, 2010	
80198	15		Completion Date (via calendar days)	April 1, 2008	
80199	16		Completion Date (via calendar days) Plus Working Days	April 1, 2008	
80094	17	X	Concrete Admixtures	Jan. 1, 2003	April 1, 2009
80215	18		Concrete Joint Sealer	Jan. 1, 2009	
80226	19		Concrete Mix Designs	April 1, 2009	
80261	20		Construction Air Quality – Diesel Retrofit	June 1, 2010	
80237	21	X	Construction Air Quality – Diesel Vehicle Emissions Control	April 1, 2009	July 1, 2009
80239	22	X	Construction Air Quality – Idling Restrictions	April 1, 2009	
80227	23	X	Determination of Thickness	April 1, 2009	
80177	24		Digital Terrain Modeling for Earthwork Calculations	April 1, 2007	
80029	25	X	Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Aug. 2, 2011
80272	26		Drainage and Inlet Protection Under Traffic	April 1, 2011	
80179	27		Engineer's Field Office Type A	April 1, 2007	Jan. 1, 2011
80205	28		Engineer's Field Office Type B	Aug. 1, 2008	Jan. 1, 2011
80189	29	X	Equipment Rental Rates	Aug. 2, 2007	Jan. 2, 2008
80228	30	X	Flagger at Side Roads and Entrances	April 1, 2009	
80249	31		Frames and Grates	Jan. 1, 2010	
80265	32		Friction Aggregate	Jan. 1, 2011	
80229	33		Fuel Cost Adjustment	April 1, 2009	July 1, 2009
80169	34		High Tension Cable Median Barrier	Jan. 1, 2007	April 1, 2009
80194	35	X	HMA – Hauling on Partially Completed Full-Depth Pavement	Jan. 1, 2008	
80245	36	X	Hot-Mix Asphalt – Anti-Stripping Additive	Nov. 1, 2009	
80246	37	X	Hot-Mix Asphalt – Density Testing of Longitudinal Joints	Jan. 1, 2010	
80250	38	X	Hot-Mix Asphalt – Drop-Offs	Jan. 1, 2010	
80259	39		Hot Mix Asphalt – Fine Aggregate	April 1, 2010	
80109	40		Impact Attenuators	Nov. 1, 2003	Nov. 1, 2008
80110	41		Impact Attenuators, Temporary	Nov. 1, 2003	Jan. 1, 2007
80252	42	X	Improved Subgrade	Jan. 1, 2010	
80266	43		Lane Closure, Multilane, Intermittent or Moving Operation, for Speeds	Jan. 1, 2011	Jan. 2, 2011

File Name	#		Special Provision Title	Effective	Revised
			≤ 40 MPH		
80230	44	X	Liquidated Damages	April 1, 2009	April 1, 2011
80267	45		Long-Span Guardrail over Culvert	Jan. 1, 2011	
80045	46		Material Transfer Device	June 15, 1999	Jan. 1, 2009
80203	47	X	Metal Hardware Cast into Concrete	April 1, 2008	April 1, 2009
80165	48		Moisture Cured Urethane Paint System	Nov. 1, 2006	Jan. 1, 2010
80253	49		Movable Traffic Barrier (NOTE: This special provision was previously named *"Movable Traffic Barrier System"*.)	Jan. 1, 2010	Jan. 1, 2011
80262	50		Mulch and Erosion Control Blankets (NOTE: This special provision was previously named *"Mulch"*)	Nov. 1, 2010	April 1, 2011
80180	51		National Pollutant Discharge Elimination System / Erosion and Sediment Control Deficiency Deduction	April 1, 2007	Nov. 1, 2009
80208	52		Nighttime Work Zone Lighting	Nov. 1, 2008	
80231	53	X	Pavement Marking Removal	April 1, 2009	
80254	54	X	Pavement Patching	Jan. 1, 2010	
80022	55	X	Payments to Subcontractors	June 1, 2000	Jan. 1, 2006
80232	56		Pipe Culverts	April 1, 2009	April 1, 2010
80263	57		Planting Perennial Plants	Jan. 1, 2011	
80210	58		Portland Cement Concrete Inlay or Overlay	Nov. 1, 2008	
80217	59		Post Clips for Extruded Aluminum Signs	Jan. 1, 2009	
80268	60		Post Mounting of Signs	Jan. 1, 2011	
80171	61	X	Precast Handling Holes	Jan. 1, 2007	
80218	62		Preventive Maintenance – Bituminous Surface Treatment	Jan. 1, 2009	April 1, 2009
80219	63		Preventive Maintenance – Cape Seal	Jan. 1, 2009	Aug. 1, 2011
80220	64		Preventive Maintenance – Micro-Surfacing	Jan. 1, 2009	Aug. 1, 2011
80221	65		Preventive Maintenance – Slurry Seal	Jan. 1, 2009	
80015	66		Public Convenience and Safety	Jan. 1, 2000	
3426I	67		Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2006
80157	68		Railroad Protective Liability Insurance (5 and 10)	Jan. 1, 2006	
80247	69	X	Raised Reflective Pavement Markers	Nov. 1, 2009	April 1, 2010
80172	70		Reclaimed Asphalt Pavement (RAP)	Jan. 1, 2007	Jan. 1, 2011
80224	71		Restoring Bridge Approach Pavements Using High-Density Foam	Jan. 1, 2009	
80271	72		Safety Edge	April 1, 2011	
80131	73	X	Seeding	July 1, 2004	July 1, 2010
80264	74		Selection of Labor	July 2, 2010	
80152	75		Self-Consolidating Concrete for Cast-In-Place Construction	Nov. 1, 2005	July 1, 2010
80132	76	X	Self-Consolidating Concrete for Precast Products	July 1, 2004	July 1, 2010
80127	77		Steel Cost Adjustment	April 2, 2004	April 1, 2009
80255	78		Stone Matrix Asphalt	Jan. 1, 2010	Aug. 1, 2011
80234	79		Storm Sewers	April 1, 2009	April 1, 2010
80143	80	X	Subcontractor Mobilization Payments	April 2, 2005	April 1, 2011
80075	81		Surface Testing of Pavements	April 1, 2002	Jan. 1, 2007
80087	82	X	Temporary Erosion Control	Nov. 1, 2002	Jan. 1, 2011
80225	83	X	Temporary Raised Pavement Marker	Jan. 1, 2009	
80256	84		Temporary Water Filled Barrier (NOTE: This special provision was previously named *"Temporary Longitudinal Traffic Barrier System"*.)	Jan. 1, 2010	Jan. 1, 2011
80257	85		Traffic Barrier Terminal, Type 6	Jan. 1, 2010	
80273	86		Traffic Control Deficiency Deduction	Aug. 1, 2011	
80269	87		Traffic Control Surveillance	Jan. 1, 2011	
20338	88		Training Special Provisions	Oct. 15, 1975	
80258	89		Truck Mounted/Trailer Mounted Attenuators	Jan. 1, 2010	

File Name	#		Special Provision Title	Effective	Revised
80270	90		Utility Coordination and Conflicts	April 1, 2011	
80071	91		Working Days	Jan. 1, 2002	

The following special provisions have been deleted from use:

80243 American Recovery and Reinvestment Act Provisions
80236 American Recovery and Reinvestment Act Signing
80238 Monthly Employment Report

The following special provisions are in the 2011 Supplemental Specifications and Recurring Special Provisions:

File Name	Special Provision Title	New Location	Effective	Revised
80214	Concrete Gutter, Type A	Article 606.07	Jan. 1, 2009	
80178	Dowel Bars	Article 1006.11	April 1, 2007	Jan. 1, 2008
80201	Hot-Mix Asphalt – Plant Test Frequency	Article 1030.05	April 1, 2008	Jan. 1, 2010
80251	Hot-Mix Asphalt – QC/QA Acceptance Criteria	Article 1030.05	Jan. 1, 2010	
80202	Hot-Mix Asphalt – Transportation	Article 1030.08	April 1, 2008	
80196	Mast Arm Assembly and Pole	Article 1077.03	Jan. 1, 2008	Jan. 1, 2009
80182	Notification of Reduced Width	Article 701.06	April 1, 2007	
80069	Organic Zinc-Rich Paint System	Article 1008.05	Nov. 1, 2001	Jan. 1, 2010
80216	Partial Exit Ramp Closure for Freeway/Expressway	Section 701	Jan. 1, 2009	
80209	Personal Protective Equipment	Article 701.12	Nov. 1, 2008	
80119	Polyurea Pavement Marking	Sections 780, 1095 and 1105	April 1, 2004	Jan. 1, 2009
80170	Portland Cement Concrete Plants	Article 1020.11	Jan. 1, 2007	
80211	Prismatic Curb Reflectors	Articles 782.03 and 1097.04	Nov. 1, 2008	
80223	Ramp Closure for Freeway/Expressway	Section 701	Jan. 1, 2009	
80183	Reflective Sheeting on Channelizing Devices	Article 1106.02	April 1, 2007	Nov. 1, 2008
80206	Reinforcement Bars – Storage and Protection	Article 508.03	Aug. 1, 2008	April 1, 2009
80176	Thermoplastic Pavement Marking	Article 1095.01	Jan. 1, 2007	

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

PAYMENTS TO SUBCONTRACTORS (BDE)

Effective: June 1, 2000
Revised: January 1, 2006

Federal regulations found at 49 CFR §26.29 mandate the Department to establish a contract clause to require Contractors to pay subcontractors for satisfactory performance of their subcontracts and to set the time for such payments.

State law also addresses the timing of payments to be made to subcontractors and material suppliers. Section 7 of the Prompt Payment Act, 30 ILCS 540/7, requires that when a Contractor receives any payment from the Department, the Contractor shall make corresponding, proportional payments to each subcontractor and material supplier performing work or supplying material within 15 calendar days after receipt of the Department payment. Section 7 of the Act further provides that interest in the amount of two percent per month, in addition to the payment due, shall be paid to any subcontractor or material supplier by the Contractor if the payment required by the Act is withheld or delayed without reasonable cause. The Act also provides that the time for payment required and the calculation of any interest due applies to transactions between subcontractors and lower-tier subcontractors and material suppliers throughout the contracting chain.

This Special Provision establishes the required federal contract clause, and adopts the 15 calendar day requirement of the State Prompt Payment Act for purposes of compliance with the federal regulation regarding payments to subcontractors. This contract is subject to the following payment obligations.

When progress payments are made to the Contractor according to Article 109.07 of the Standard Specifications, the Contractor shall make a corresponding payment to each subcontractor and material supplier in proportion to the work satisfactorily completed by each subcontractor and for the material supplied to perform any work of the contract. The proportionate amount of partial payment due to each subcontractor and material supplier throughout the contracting chain shall be determined by the quantities measured or otherwise determined as eligible for payment by the Department and included in the progress payment to the Contractor. Subcontractors and material suppliers shall be paid by the Contractor within 15 calendar days after the receipt of payment from the Department. The Contractor shall not hold retainage from the subcontractors. These obligations shall also apply to any payments made by subcontractors and material suppliers to their subcontractors and material suppliers; and to all payments made to lower tier subcontractors and material suppliers throughout the contracting chain. Any payment or portion of a payment subject to this provision may only be withheld from the subcontractor or material supplier to whom it is due for reasonable cause.

This Special Provision does not create any rights in favor of any subcontractor or material supplier against the State or authorize any cause of action against the State on account of any payment, nonpayment, delayed payment, or interest claimed by application of the State Prompt Payment Act. The Department will not approve any delay or postponement of the 15 day requirement except for reasonable cause shown after notice and hearing pursuant to Section

7(b) of the State Prompt Payment Act. State law creates other and additional remedies available to any subcontractor or material supplier, regardless of tier, who has not been paid for work properly performed or material furnished. These remedies are a lien against public funds set forth in Section 23(c) of the Mechanics Lien Act, 770 ILCS 60/23(c), and a recovery on the Contractor's payment bond according to the Public Construction Bond Act, 30 ILCS 550.

80022

DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION (BDE)

Effective: September 1, 2000
Revised: August 2, 2011

FEDERAL OBLIGATION. The Department of Transportation, as a recipient of federal financial assistance, is required to take all necessary and reasonable steps to ensure nondiscrimination in the award and administration of contracts. Consequently, the federal regulatory provisions of 49 CFR Part 26 apply to this contract concerning the utilization of disadvantaged business enterprises. For the purposes of this Special Provision, a disadvantaged business enterprise (DBE) means a business certified by the Department in accordance with the requirements of 49 CFR Part 26 and listed in the Illinois Unified Certification Program (IL UCP) DBE Directory.

STATE OBLIGATION. This Special Provision will also be used by the Department to satisfy the requirements of the Business Enterprise for Minorities, Females, and Persons with Disabilities Act, 30 ILCS 575. When this Special Provision is used to satisfy state law requirements on 100 percent state-funded contracts, the federal government has no involvement in such contracts (not a federal-aid contract) and no responsibility to oversee the implementation of this Special Provision by the Department on those contracts. DBE participation on 100 percent state-funded contracts will not be credited toward fulfilling the Department's annual overall DBE goal required by the US Department of Transportation to comply with the federal DBE program requirements.

CONTRACTOR ASSURANCE. The Contractor makes the following assurance and agrees to include the assurance in each subcontract that the Contractor signs with a subcontractor.

> The Contractor, subrecipient, or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of contracts funded in whole or in part with federal or state funds. Failure by the Contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate.

OVERALL GOAL SET FOR THE DEPARTMENT. As a requirement of compliance with 49 CFR Part 26, the Department has set an overall goal for DBE participation in its federally assisted contracts. That goal applies to all federal-aid funds the Department will expend in its federally assisted contracts for the subject reporting fiscal year. The Department is required to make a good faith effort to achieve the overall goal. The dollar amount paid to all approved DBE companies performing work called for in this contract is eligible to be credited toward fulfillment of the Department's overall goal.

CONTRACT GOAL TO BE ACHIEVED BY THE CONTRACTOR. This contract includes a specific DBE utilization goal established by the Department. The goal has been included because the Department has determined that the work of this contract has subcontracting opportunities that may be suitable for performance by DBE companies. The determination is

based on an assessment of the type of work, the location of the work, and the availability of DBE companies to do a part of the work. The assessment indicates that, in the absence of unlawful discrimination, and in an arena of fair and open competition, DBE companies can be expected to perform ___20___% of the work. This percentage is set as the DBE participation goal for this contract. Consequently, in addition to the other award criteria established for this contract, the Department will only award this contract to a bidder who makes a good faith effort to meet this goal of DBE participation in the performance of the work. A bidder makes a good faith effort for award consideration if either of the following is done in accordance with the procedures set for in this Special Provision:

(a) The bidder documents that enough DBE participation has been obtained to meet the goal; or

(b) The bidder documents that a good faith effort has been made to meet the goal, even though the effort did not succeed in obtaining enough DBE participation to meet the goal.

DBE LOCATOR REFERENCES. Bidders shall consult the IL UCP DBE Directory as a reference source for DBE-certified companies. In addition, the Department maintains a letting and item specific DBE locator information system whereby DBE companies can register their interest in providing quotes on particular bid items advertised for letting. Information concerning DBE companies willing to quote work for particular contracts may be obtained by contacting the Department's Bureau of Small Business Enterprises at telephone number (217)785-4611, or by visiting the Department's website at www.dot.il.gov.

BIDDING PROCEDURES. Compliance with this Special Provision is a material bidding requirement. The failure of the bidder to comply will render the bid not responsive.

(a) The bidder shall submit a Disadvantaged Business Utilization Plan on Department forms SBE 2025 and 2026 with the bid.

(b) The Utilization Plan shall indicate that the bidder either has obtained sufficient DBE participation commitments to meet the contract goal or has not obtained enough DBE participation commitments in spite of a good faith effort to meet the goal. The Utilization Plan shall further provide the name, telephone number, and telefax number of a responsible official of the bidder designated for purposes of notification of plan approval or disapproval under the procedures of this Special Provision.

(c) The Utilization Plan shall include a DBE Participation Commitment Statement, Department form SBE 2025, for each DBE proposed for the performance of work to achieve the contract goal. For bidding purposes, submission of the completed SBE 2025 forms, signed by the DBEs and faxed to the bidder will be acceptable as long as the original is available and provided upon request. All elements of information indicated on the said form shall be provided, including but not limited to the following:

(1) The names and addresses of DBE firms that will participate in the contract;

(2) A description, including pay item numbers, of the work each DBE will perform;

(3) The dollar amount of the participation of each DBE firm participating. The dollar amount of participation for identified work shall specifically state the quantity, unit price, and total subcontract price for the work to be completed by the DBE. If partial pay items are to be performed by the DBE, indicate the portion of each item, a unit price where appropriate and the subcontract price amount;

(4) DBE Participation Commitment Statements, form SBE 2025, signed by the bidder and each participating DBE firm documenting the commitment to use the DBE subcontractors whose participation is submitted to meet the contract goal;

(5) if the bidder is a joint venture comprised of DBE companies and non-DBE companies, the plan must also include a clear identification of the portion of the work to be performed by the DBE partner(s); and,

(6) If the contract goal if not met, evidence of good faith efforts.

GOOD FAITH EFFORT PROCEDURES. The contract will not be awarded until the Utilization Plan submitted by the apparent successful bidder is approved. All information submitted by the bidder must be complete, accurate and adequately document that enough DBE participation has been obtained or document that good faith efforts of the bidder, in the event enough DBE participation has not been obtained, before the Department will commit to the performance of the contract by the bidder. The Utilization Plan will be approved by the Department if the Utilization Plan documents sufficient commercially useful DBE work performance to meet the contract goal or the bidder submits sufficient documentation of a good faith effort to meet the contract goal pursuant to 49 CFR Part 26, Appendix A. The Utilization Plan will not be approved by the Department if the Utilization Plan does not document sufficient DBE participation to meet the contract goal unless the apparent successful bidder documented in the Utilization Plan that it made a good faith effort to meet the goal. This means that the bidder must show that all necessary and reasonable steps were taken to achieve the contract goal. Necessary and reasonable steps are those which, by their scope, intensity and appropriateness to the objective, could reasonably be expected to obtain sufficient DBE participation, even if they were not successful. The Department will consider the quality, quantity, and intensity of the kinds of efforts that the bidder has made. Mere *pro forma* efforts, in other words, efforts done as a matter of form, are not good faith efforts; rather, the bidder is expected to have taken genuine efforts that would be reasonably expected of a bidder actively and aggressively trying to obtain DBE participation sufficient to meet the contract goal.

(a) The following is a list of types of action that the Department will consider as part of the evaluation of the bidder's good faith efforts to obtain participation. These listed factors are not intended to be a mandatory checklist and are not intended to be exhaustive. Other factors or efforts brought to the attention of the Department may be relevant in appropriate cases, and will be considered by the Department.

(1) Soliciting through all reasonable and available means (e.g. attendance at pre-bid meetings, advertising and/or written notices) the interest of all certified DBE companies that have the capability to perform the work of the contract. The bidder must solicit this interest within sufficient time to allow the DBE companies to respond to the solicitation. The bidder must determine with certainty if the DBE companies are interested by taking appropriate steps to follow up initial solicitations.

(2) Selecting portions of the work to be performed by DBE companies in order to increase the likelihood that the DBE goals will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate DBE participation, even when the prime Contractor might otherwise prefer to perform these work items with its own forces.

(3) Providing interested DBE companies with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation.

(4) a. Negotiating in good faith with interested DBE companies. It is the bidder's responsibility to make a portion of the work available to DBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available DBE subcontractors and suppliers, so as to facilitate DBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of DBE companies that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional agreements could not be reached for DBE companies to perform the work.

b. A bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including DBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration. However, the fact that there may be some additional costs involved in finding and using DBE companies is not in itself sufficient reason for a bidder's failure to meet the contract DBE goal, as long as such costs are reasonable. Also the ability or desire of a bidder to perform the work of a contract with its own organization does not relieve the bidder of the responsibility to make good faith efforts. Bidders are not, however, required to accept higher quotes from DBE companies if the price difference is excessive or unreasonable.

(5) Not rejecting DBE companies as being unqualified without sound reasons based on a thorough investigation of their capabilities. The bidder's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union employee status) are not legitimate causes for the rejection or non-solicitation of bids in the bidder's efforts to meet the project goal.

(6) Making efforts to assist interested DBE companies in obtaining bonding, lines of credit, or insurance as required by the recipient or Contractor.

(7) Making efforts to assist interested DBE companies in obtaining necessary equipment, supplies, materials, or related assistance or services.

(8) Effectively using the services of available minority/women community organizations; minority/women contractors' groups; local, state, and federal minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBE companies.

(b) If the Department determines that the apparent successful bidder has made a good faith effort to secure the work commitment of DBE companies to meet the contract goal, the Department will award the contract provided that it is otherwise eligible for award. If the Department determines that the bidder has failed to meet the requirements of this Special Provision or that a good faith effort has not been made, the Department will notify the responsible company official designated in the Utilization Plan that the bid is not responsive. The notification shall include a statement of reasons for the determination.

(c) The bidder may request administrative reconsideration of a determination adverse to the bidder within the five working days after the receipt of the notification date of the determination by delivering the request to the Department of Transportation, Bureau of Small Business Enterprises, Contract Compliance Section, 2300 South Dirksen Parkway, Room 319, Springfield, Illinois 62764 (Telefax: (217)785-1524). Deposit of the request in the United States mail on or before the fifth business day shall not be deemed delivery. The determination shall become final if a request is not made and delivered. A request may provide additional written documentation and/or argument concerning the issues raised in the determination statement of reasons, provided the documentation and arguments address efforts made prior to submitting the bid. The request will be forwarded to the Department's Reconsideration Officer. The Reconsideration Officer will extend an opportunity to the bidder to meet in person in order to consider all issues of documentation and whether the bidder made a good faith effort to meet the goal. After the review by the Reconsideration Officer, the bidder will be sent a written decision within ten working days after receipt of the request for consideration, explaining the basis for finding that the bidder did or did not meet the goal or make adequate good faith efforts to do so. A final decision by the Reconsideration Officer that a good faith effort was made shall approve the Utilization Plan submitted by the bidder and shall clear the contract for award. A final decision that a good faith effort was not made shall render the bid not responsive.

CALCULATING DBE PARTICIPATION. The Utilization Plan values represent work anticipated to be performed and paid for upon satisfactory completion. The Department is only able to count toward the achievement of the overall goal and the contract goal the value of payments made for the work actually performed by DBE companies. In addition, a DBE must perform a commercially useful function on the contract to be counted. A commercially useful function is

generally performed when the DBE is responsible for the work and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. The Department and Contractor are governed by the provisions of 49 CFR Part 26.55(c) on questions of commercially useful functions as it affects the work. Specific counting guidelines are provided in 49 CFR Part 26.55, the provisions of which govern over the summary contained herein.

(a) DBE as the Contractor: 100 percent goal credit for that portion of the work performed by the DBE's own forces, including the cost of materials and supplies. Work that a DBE subcontracts to a non-DBE does not count toward the DBE goals.

(b) DBE as a joint venture Contractor: 100 percent goal credit for that portion of the total dollar value of the contract equal to the distinct, clearly defined portion of the work performed by the DBE's own forces.

(c) DBE as a subcontractor: 100 percent goal credit for the work of the subcontract performed by the DBE's own forces, including the cost of materials and supplies, excluding the purchase of materials and supplies or the lease of equipment by the DBE subcontractor from the prime Contractor or its affiliates. Work that a DBE subcontractor in turn subcontracts to a non-DBE does not count toward the DBE goal.

(d) DBE as a trucker: 100 percent goal credit for trucking participation provided the DBE is responsible for the management and supervision of the entire trucking operation for which it is responsible. At least one truck owned, operated, licensed, and insured by the DBE must be used on the contract. Credit will be given for the following:

(1) The DBE may lease trucks from another DBE firm, including an owner-operator who is certified as a DBE. The DBE who leases trucks from another DBE receives credit for the total value of the transportation services the lessee DBE provides on the contract.

(2) The DBE may also lease trucks from a non-DBE firm, including from an owner-operator. The DBE who leases trucks from a non-DBE is entitled to credit only for the fee or commission is receives as a result of the lease arrangement.

(e) DBE as a material supplier:

(1) 60 percent goal credit for the cost of the materials or supplies purchased from a DBE regular dealer.

(2) 100 percent goal credit for the cost of materials of supplies obtained from a DBE manufacturer.

(3) 100 percent credit for the value of reasonable fees and commissions for the procurement of materials and supplies if not a regular dealer or manufacturer.

CONTRACT COMPLIANCE. Compliance with this Special Provision is an essential part of the contract. The Department is prohibited by federal regulations from crediting the participation of a DBE included in the Utilization Plan toward either the contract goal or the Department's overall goal until the amount to be applied toward the goals has been paid to the DBE. The following administrative procedures and remedies govern the compliance by the Contractor with the contractual obligations established by the Utilization Plan. After approval of the Utilization Plan and award of the contract, the Utilization Plan and individual DBE Participation Statements become part of the contract. If the Contractor did not succeed in obtaining enough DBE participation to achieve the advertised contract goal, and the Utilization Plan was approved and contract awarded based upon a determination of good faith, the total dollar value of DBE work calculated in the approved Utilization Plan as a percentage of the awarded contract value shall become the amended contract goal. All work indicated for performance by an approved DBE shall be performed, managed, and supervised by the DBE executing the Participation Statement.

(a) NO AMENDMENT. No amendment to the Utilization Plan may be made without prior written approval from the Department's Bureau of Small Business Enterprises. All requests for amendment to the Utilization Plan shall be submitted to the Department of Transportation, Bureau of Small Business Enterprises, Contract Compliance Section, 2300 South Dirksen Parkway, Room 319, Springfield, Illinois 62764. Telephone number (217)785-4611. Telefax number (217)785-1524.

(b) TERMINATION OR REPLACEMENT. The Contractor shall not terminate or replace a DBE listed on the approved Utilization Plan, or perform with other forces work designated for a listed DBE except as provided in the Special Provision.

(c) CHANGES TO WORK. Any deviation from the DBE condition-of-award or contract plans, specifications, or special provisions must be approved, in writing, by the Department as provided elsewhere in the Contract. The Contractor shall notify affected DBEs in writing of any changes in the scope of work which result in a reduction in the dollar amount condition-of-award to the contract. Where the revision includes work committed to a new DBE subcontractor, not previously involved in the project, then a Request for Approval of Subcontractor, Department form BC 260A, must be signed and submitted. If the commitment of work is in the form of additional tasks assigned to an existing subcontract, than a new Request for Approval of Subcontractor shall not be required. However, the Contractor must document efforts to assure that the existing DBE subcontractor is capable of performing the additional work and has agreed in writing to the change.

(d) ALTERNATIVE WORK METHODS. In addition to the above requirements for reductions in the condition of award, additional requirements apply to the two cases of Contractor-initiated work substitution proposals. Where the contract allows alternate work methods which serve to delete or create underruns in condition of award DBE work, and the Contractor selects that alternate method or, where the Contractor proposes a substitute work method or material that serves to diminish or delete work committed to a DBE and replace it with other work, then the Contractor must demonstrate one of the following:

(1) That the replacement work will be performed by the same DBE (as long as the DBE is certified in the respective item of work) in a modification of the condition of award; or

(2) That the DBE is aware that its work will be deleted or will experience underruns and has agreed in writing to the change. If this occurs, the Contractor shall substitute other work of equivalent value to a certified DBE or provide documentation of good faith efforts to do so; or

(3) That the DBE is not capable of performing the replacement work or has declined to perform the work at a reasonable competitive price. If this occurs, the Contractor shall substitute other work of equivalent value to a certified DBE or provide documentation of good faith efforts to do so.

(e) TERMINATION AND REPLACEMENT PROCEDURES. The Contractor shall not terminate or replace a DBE subcontractor listed in the approved Utilization Plan without prior written consent. This includes, but is not limited to, instances in which the Contractor seeks to perform work originally designated for a DBE subcontractor with its own forces or those of an affiliate, a non-DBE firm, or with another DBE firm. Written consent will be granted only if the Bureau of Small Business Enterprises agrees, for reasons stated in its concurrence document, that the Contractor has good cause to terminate or replace the DBE firm. Before transmitting to the Bureau of Small Business Enterprises any request to terminate and/or substitute a DBE subcontractor, the Contractor shall give notice in writing to the DBE subcontractor, with a copy to the Bureau, of its intent to request to terminate and/or substitute, and the reason for the request. The Contractor shall give the DBE five days to respond to the Contractor's notice. The DBE so notified shall advise the Bureau and the Contractor of the reasons, if any, why it objects to the proposed termination of its subcontract and why the Bureau should not approve the Contractor's action. If required in a particular case as a matter of public necessity, the Bureau may provide a response period shorter than five days.

For purposes of this paragraph, good cause includes the following circumstances:

(1) The listed DBE subcontractor fails or refuses to execute a written contract;

(2) The listed DBE subcontractor fails or refuses to perform the work of its subcontract in a way consistent with normal industry standards. Provided, however, that good cause does not exist if the failure or refusal of the DBE subcontractor to perform its work on the subcontract results from the bad faith or discriminatory action of the prime contractor;

(3) The listed DBE subcontractor fails or refuses to meet the prime Contractor's reasonable, nondiscriminatory bond requirements;

(4) The listed DBE subcontractor becomes bankrupt, insolvent, or exhibits credit unworthiness;

(5) The listed DBE subcontractor is ineligible to work on public works projects because of suspension and debarment proceedings pursuant 2 CFR Parts 180, 215 and 1,200 or applicable state law.

(6) You have determined that the listed DBE subcontractor is not a responsible contractor;

(7) The listed DBE subcontractor voluntarily withdraws from the projects and provides to you written notice of its withdrawal;

(8) The listed DBE is ineligible to receive DBE credit for the type of work required;

(9) A DBE owner dies or becomes disabled with the result that the listed DBE contractor is unable to complete its work on the contract;

(10) Other documented good cause that compels the termination of the DBE subcontractor. Provided, that good cause does not exist if the prime Contractor seeks to terminate a DBE it relied upon to obtain the contract so that the prime Contractor can self-perform the work for which the DBE contractor was engaged or so that the prime Contractor can substitute another DBE or non-DBE contractor after contract award.

When a DBE is terminated, or fails to complete its work on the Contract for any reason the Contractor shall make a good faith effort to find another DBE to substitute for the original DBE to perform at least the same amount of work under the contract as the terminated DBE to the extent needed to meet the established Contract goal.

(f) PAYMENT RECORDS. The Contractor shall maintain a record of payments for work performed to the DBE participants. The records shall be made available to the Department for inspection upon request. After the performance of the final item of work or delivery of material by a DBE and final payment therefore to the DBE by the Contractor, but not later than thirty calendar days after payment has been made by the Department to the Contractor for such work or material, the Contractor shall submit a DBE Payment Agreement on Department form SBE 2115 to the Regional Engineer. If full and final payment has not been made to the DBE, the DBE Payment Agreement shall indicate whether a disagreement as to the payment required exists between the Contractor and the DBE or if the Contractor believes that the work has not been satisfactorily completed. If the Contractor does not have the full amount of work indicated in the Utilization Plan performed by the BDE companies indicated in the Utilization Plan and after good faith efforts are reviewed, the Department may deduct from contract payments to the Contractor the amount of the goal not achieved as liquidated and ascertained damages. The Contractor may request an administrative

reconsideration of any amount deducted as damages pursuant to subsection (h) of this part.

(g) ENFORCEMENT. The Department reserves the right to withhold payment to the Contractor to enforce the provisions of this Special Provision. Final payment shall not be made on the contract until such time as the Contractor submits sufficient documentation demonstrating achievement of the goal in accordance with this Special Provision or after liquidated damages have been determined and collected.

(h) RECONSIDERATION. Notwithstanding any other provision of the contract, including but not limited to Article 109.09 of the Standard Specifications, the Contractor my request administrative reconsideration of a decision to deduct the amount of the goal not achieved as liquidated damages. A request to reconsider shall be delivered to the Contract Compliance Section and shall be handled and considered in the same manner as set forth in paragraph (c) of "Good Faith Effort Procedures" of this Special Provision, except a final decision that a good faith effort was not made during contract performance to achieve the goal agreed to in the Utilization Plan shall be the final administrative decision of the Department.

80029

TEMPORARY EROSION CONTROL (BDE)

Effective: November 1, 2002
Revised: January 1, 2011

Add the following to Article 280.02 of the Standard Specifications to read:

"(k) Filter Fabric 1080.03
(l) Urethane Foam/Geotextile ..... 1081.15(i)"

Revise the third paragraph of Article 280.03 of the Standard Specifications to read:

"Erosion control systems shall be installed prior to beginning any activities which will potentially create erodible conditions. Erosion control systems for areas outside the limits of construction such as storage sites, plant sites, waste sites, haul roads, and Contractor furnished borrow sites shall be installed prior to beginning soil disturbing activities at each area. These offsite systems shall be designed by the Contractor and be subject to the approval of the Engineer."

Add the following paragraph after the third paragraph of Article 280.03 of the Standard Specifications:

"The temporary erosion and sediment control systems shown on the plans represent the minimum systems anticipated for the project. Conditions created by the Contractor's operations, or for the Contractor's convenience, which are not covered by the plans, shall be protected as directed by the Engineer at no additional cost to the Department. Revisions or modifications of the erosion and sediment control systems shall have the Engineer's written approval."

Revise Article 280.04(a) of the Standard Specifications to read:

"(a) Temporary Ditch Checks. This system consists of the construction of temporary ditch checks to prevent siltation, erosion, or scour of ditches and drainage ways. Temporary ditch checks shall be constructed with products from the Department's approved list, rolled excelsior, or with aggregate placed on filter fabric when specified. Filter fabric shall be installed according to the requirements of Section 282. Riprap shall be placed according to Article 281.04. Manufactured ditch checks shall be installed according to the manufacturer's specifications. Spacing of ditch checks shall be such that the low point in the center of one ditch check is at the same elevation as the base of the ditch check immediately upstream. Temporary ditch checks shall be sufficiently long enough that the top of the device in the middle of the ditch is 6 in. (150 mm) lower than the bottom of the terminating ends of the ditch side slopes.

When rolled excelsior is used, each ditch check shall be installed and maintained such that the device is no less than 10 in. (250 mm) high at the point of overflow. Units installed at a spacing requiring a height greater than 10 in. (250 mm) shall be maintained at the height for the spacing at which they were originally installed."

Revise the last sentence of the first paragraph Article 280.04(b) of the Standard Specifications to read:

"The barrier shall be constructed with rolled excelsior, silt filter fence, or urethane foam/geotextiles."

Revise the last sentence of the first paragraph of Article 280.04(g) of the Standard Specifications to read:

"The temporary mulch cover shall be installed according to Article 251.03 except for any reference to seeding."

Add the following to Article 280.04 of the Standard Specifications:

(h) Temporary Erosion Control Blanket. This system consists of temporarily installing erosion control blanket or heavy duty erosion control blanket over areas that are to be reworked during a later construction phase. Work shall be according to Article 251.04 except references to seeding and fertilizer shall not apply. When an area is to be reworked more than once, the blanket shall be carefully removed, properly stored, and then reinstalled over the same area."

Revise Article 280.07(b) of the Standard Specifications to read:

"(b) Temporary Ditch Checks. This work will be measured for payment along the long axis of the device in place in feet (meters) except for aggregate ditch checks which will be measured for payment in tons (metric tons). Payment will not be made for aggregate in excess of 108 percent of the amount specified by the Engineer."

Revise Article 280.07(f) of the Standard Specifications to read:

"(f) Temporary Mulch. This work will be measured for payment according to Article 251.05(b)."

Add the following to Article 280.07 of the Standard Specifications:

"(g) Temporary Erosion Control Blanket. This work will be measured for payment in place in square yards (square meters) of actual surface covered.

Add the following paragraph after the ninth paragraph of Article 280.07 of the Standard Specifications:

"Temporary or permanent erosion control systems required for areas outside the limits of construction will not be measured for payment."

Revise Article 280.08(b) of the Standard Specifications to read:

"(b) Temporary Ditch Checks. This work will be paid for at the contract unit price per foot (meter) for TEMPORARY DITCH CHECKS except for aggregate ditch checks which will be paid for at the contract unit price per ton (metric ton) for AGGREGATE DITCH CHECKS."

Revise Article 280.08(f) of the Standard Specifications to read:

"(f) Temporary Mulch. Temporary Mulch will be paid for according to Article 251.06."

Add the following to Article 280.08 of the Standard Specifications:

"(g) Temporary Erosion Control Blanket. Temporary Erosion Control Blanket will be paid for at the contract unit price per square yard (square meter) for TEMPORARY EROSION CONTROL BLANKET or TEMPORARY HEAVY DUTY EROSION CONTROL BLANKET.

The work of removing, storing, and reinstalling the blanket over areas to be reworked more than once will not be paid for separately but shall be included in the cost of the temporary erosion control blanket or temporary heavy duty erosion control blanket."

Delete the tenth (last) paragraph of Article 280.08 of the Standard Specifications.

Revise the second sentence of the first paragraph of Article 1081.15(e) of the Standard Specifications to read:

"The upstream facing of the aggregate ditch check shall be constructed of gradation CA 3. The remainder of the ditch check shall be constructed of gradation RR 3."

Revise Article 1081.15(f) of the Supplemental Specifications to read:

"(f) Rolled Excelsior. Rolled excelsior shall consist of an excelsior fiber filling totally encased inside netting and sealed with metal clips or knotted at the ends. The fiber density shall be a minimum of 1.24 lb/cu ft (20 kg/cu m) based on a moisture content of 22 percent at manufacturing. The netting shall be composed of a polyester or polypropylene material which retains 70 percent of its strength after 500 hours of exposure to sunlight. The maximum opening of the net shall be 1 x 1 in. (25 x 25 mm)."

Add the following to Article 1081.15 of the Standard Specifications:

"(i) Urethane Foam/Geotextile. Urethane foam/geotextile shall be triangular shaped having a minimum height of 10 in. (250 mm) in the center with equal sides and a minimum 20 in. (500 mm) base. The triangular shaped inner material shall be a low density urethane foam. The outer cover shall be a woven geotextile fabric placed around the inner material and allowed to extend beyond both sides of the triangle a minimum of 18 in. (450 mm).

(1) The geotextile shall meet the following properties:

Property	Value	Test Method
Grab Tensile Strength lb (N) (min.)	124 (550) min.	ASTM D 4632
Grab Elongation @ Brake (percent)	15 min.	ASTM D 4632
Burst Strength psi (kPa)	280 (1930) min.	ASTM D 3786
AOS (Sieve No.)	30 min.	ASTM D 4751
UV Resistance (500 hours) (percent)	80 min.	ASTM D 4355

(2) The urethane foam shall meet the following properties:

Property	Value	Test Method
Density lb/cu ft (kg/cu m)	1.0 ± 0.1 (16.0 ± 1.6)	ASTM D 3574
Tensile Strength psi (kPa)	10 (70) min.	ASTM D 3574
Elongation (percent)	125 min.	ASTM D 3574
Tear Resistance lb/in. (N/mm)	1.25 (0.22)	ASTM D 3574"

80087

CONCRETE ADMIXTURES (BDE)

Effective: January 1, 2003
Revised: April 1, 2009

Replace the first paragraph of Article 1020.05(b) of the Standard Specifications to read:

"(b) Admixtures. The use of admixtures to increase the workability or to accelerate the hardening of the concrete will be permitted when approved by the Engineer. Admixture dosages shall result in the mixture meeting the specified plastic and hardened properties. The Department will maintain an Approved List of Corrosion Inhibitors. Corrosion inhibitor dosage rates shall be according to Article 1020.05(b)(12). The Department will also maintain an Approved List of Concrete Admixtures, and an admixture technical representative shall be consulted when determining an admixture dosage from this list. The dosage shall be within the range indicated on the approved list unless the influence by other admixtures, jobsite conditions (such as a very short haul time), or other circumstances warrant a dosage outside the range. The Engineer shall be notified when a dosage is proposed outside the range. To determine an admixture dosage, air temperature, concrete temperature, cement source and quantity, finely divided mineral sources(s) and quantity, influence of other admixtures, haul time, placement conditions, and other factors as appropriate shall be considered. The Engineer may request the Contractor to have a batch of concrete mixed in the lab or field to verify the admixture dosage is correct. An admixture dosage or combination of admixture dosages shall not delay the initial set of concrete by more than one hour. When a retarding admixture is required or appropriate for a bridge deck or bridge deck overlay pour, the initial set time shall be delayed until the deflections due to the concrete dead load are no longer a concern for inducing cracks in the completed work. However, a retarding admixture shall not be used to further extend the pour time and justify the alteration of a bridge deck pour sequence.

When determining water in admixtures for water/cement ratio, the Contractor shall calculate 70 percent of the admixture dosage as water, except a value of 50 percent shall be used for a latex admixture used in bridge deck latex concrete overlays."

Revise Section 1021 of the Standard Specifications to read:

"SECTION 1021. CONCRETE ADMIXTURES

1021.01 General. Admixtures shall be furnished in liquid form ready for use. The admixtures shall be delivered in the manufacturer's original containers, bulk tank trucks or such containers or tanks as are acceptable to the Engineer. Delivery shall be accompanied by a ticket which clearly identifies the manufacturer and trade name of the material. Containers shall be readily identifiable as to manufacturer and trade name of the material they contain.

Corrosion inhibitors will be maintained on the Department's Approved List of Corrosion Inhibitors. All other concrete admixture products will be maintained on the Department's

Approved List of Concrete Admixtures. For the admixture submittal, a report prepared by an independent laboratory accredited by the AASHTO Materials Reference Laboratory (AMRL) for Portland Cement Concrete shall be provided. The report shall show the results of physical tests conducted no more than five years prior to the time of submittal, according to applicable specifications. However, for corrosion inhibitors the ASTM G 109 test information specified in ASTM C 1582 is not required to be from and independent lab. All other information in ASTM C 1582 shall be from and independent lab.

Tests shall be conducted using materials and methods specified on a "test" concrete and a "reference" concrete, together with a certification that no changes have been made in the formulation of the material since the performance of the tests. Per the manufacturer's option, the cement content for all required tests shall either be according to applicable specifications or 5.65 cwt/cu yd (335 kg/cu m). Compressive strength test results for six months and one year will not be required.

Prior to the approval of an admixture, the Engineer reserves the right to request a sample for testing. The test and reference concrete mixtures tested by the Engineer will contain a cement content of 5.65 cwt/cu yd (335 kg/cu m). For freeze-thaw testing, the Department will perform the test according to AASHTO T 161, Procedure B. The flexural strength test will be performed according to AASHTO T 177. If the Engineer decides to test the admixture, the manufacturer shall submit AASHTO T 197 water content and set time test results on the standard cement used by the Department. The test and reference concrete mixture shall contain a cement content of 5.65 cwt/cu yd (335 kg/cu m). The manufacturer may select their lab or an independent lab to perform this testing. The laboratory is not required to be accredited by AASHTO.

The manufacturer shall include in the submittal the following admixture information: the manufacturing range for specific gravity, the midpoint and manufacturing range for residue by oven drying, and the manufacturing range for pH. The submittal shall also include an infrared spectrophotometer trace no more than five years old.

For air-entraining admixtures according to Article 1021.02, the specific gravity allowable manufacturing range shall be established by the manufacturer and the test method shall be according to ASTM C 494. For residue by oven drying and pH, the allowable manufacturing range and test methods shall be according to ASTM C 260.

For admixtures according to Articles 1021.03, 1021.04, 1021.05, 1021.06, and 1021.07, the pH allowable manufacturing range shall be established by the manufacturer and the test method shall be according to ASTM E 70. For specific gravity and residue by oven drying, the allowable manufacturing range and test methods shall be according to ASTM C 494.

When test results are more than seven years old, the manufacturer shall re-submit the infrared spectrophotometer trace and the report prepared by an independent laboratory accredited by AASHTO.

All admixtures, except chloride-based accelerators, shall contain a maximum of 0.3 percent chloride by weight (mass).

Random field samples may be taken by the Department to verify an admixture meets specification. A split sample will be provided to the manufacturer if requested. Admixtures that do not meet specification requirements or an allowable manufacturing range established by the manufacturer shall be replaced with new material.

1021.02 Air-Entraining Admixtures. Air-entraining admixtures shall be according to AASHTO M 154.

1021.03 Retarding and Water-Reducing Admixtures. The admixture shall be according to the following.

(a) The retarding admixture shall be according to AASHTO M 194, Type B (retarding) or Type D (water-reducing and retarding).

(b) The water-reducing admixture shall be according to AASHTO M 194, Type A.

(c) The high range water-reducing admixture shall be according to AASHTO M 194, Type F (high range water-reducing) or Type G (high range water-reducing and retarding).

1021.04 Accelerating Admixtures. The admixture shall be according to AASHTO M 194, Type C (accelerating) or Type E (water reducing and accelerating).

1021.05 Self-Consolidating Admixtures. The self-consolidating admixture system shall consist of either a high range water-reducing admixture only or a high range water-reducing admixture combined with a separate viscosity modifying admixture. The one or two component admixture system shall be capable of producing a concrete mixture that can flow around reinforcement and consolidate under its own weight without additional effort and without segregation.

The high range water-reducing admixture shall be according to AASHTO M 194, Type F.

The viscosity modifying admixture shall be according to ASTM C 494, Type S (specific performance).

1021.06 Rheology-Controlling Admixture. The rheology-controlling admixture shall be capable of producing a concrete mixture with a lower yield stress that will consolidate easier for slipform applications used by the Contractor. The rheology-controlling admixture shall be according to ASTM C 494, Type S (specific performance).

1021.07 Corrosion Inhibitor. The corrosion inhibitor shall be according to one of the following.

(a) Calcium Nitrite. The corrosion inhibitor shall contain a minimum 30 percent calcium nitrite by weight (mass) of solution, and shall comply with the requirements of AASHTO M 194, Type C (accelerating).

(b) Other Materials. The corrosion inhibitor shall be according to ASTM C 1582."

80094

SEEDING (BDE)

Effective: July 1, 2004
Revised: July 1, 2010

Revise the following seeding mixtures shown in Table 1 of Article 250.07 of the Standard Specifications to read:

"Table 1 - SEEDING MIXTURES			
Class – Type		Seeds	lb/acre (kg/hectare)
1A	Salt Tolerant Lawn Mixture 7/	Bluegrass	60 (70)
		Perennial Ryegrass	20 (20)
		Red Fescue (Audubon, Sea Link, or Epic)	20 (20)
		Hard Fescue (Rescue 911, Spartan II, or Reliant IV)	20 (20)
		Fults Salt Grass 1/ or Salty Alkaligrass	60 (70)
2	Roadside Mixture 7/	Tall Fescue (Inferno, Tarheel II, Quest, Blade Runner, or Falcon IV)	100 (110)
		Perennial Ryegrass	50 (55)
		Creeping Red Fescue	40 (50)
		Red Top	10 (10)
2A	Salt Tolerant Roadside Mixture 7/	Tall Fescue (Inferno, Tarheel II, Quest, Blade Runner, or Falcon IV)	60 (70)
		Perennial Ryegrass	20 (20)
		Red Fescue (Audubon, Sea Link, or Epic)	30 (20)
		Hard Fescue (Rescue 911, Spartan II, or Reliant IV)	30 (20)
		Fults Salt Grass 1/ or Salty Alkaligrass	60 (70)
3	Northern Illinois Slope Mixture 7/	Elymus Canadensis (Canada Wild Rye)	5 (5)
		Perennial Ryegrass	20 (20)
		Alsike Cover 2/	5 (5)
		Desmanthus Illinoensis (Illinois Bundleflower) 2/, 5/	2 (2)
		Andropogon Scoparius (Little Bluestem) 5/	12 (12)
		Bouteloua Curtipendula (Side-Oats Grama)	10 (10)
		Fults Salt Grass 1/ or Salty Alkaligrass	30 (35)
		Oats, Spring	50 (55)
		Slender Wheat Grass 5/	15 (15)
		Buffalo Grass (Cody or Bowie) 4/, 5/, 9/	5 (5)

"Table 1 - SEEDING MIXTURES			
6A	Salt Tolerant Conservation Mixture	Andropogon Scoparius (Little Bluestem) 5/	5 (5)
		Elymus Canadensis (Canada Wild Rye) 5/	2 (2)
		Buffalo Grass (Cody or Bowie) 4/, 5/, 9/	5 (5)
		Vernal Alfalfa 2/	15 (15)
		Oats, Spring	48 (55)
		Fults Salt Grass 1/ or Salty Alkaligrass	20 (20)"

Revise Note 7 of Table 1 – Seeding Mixtures of Article 250.07 of the Standard Specifications to read:

"7/ In Districts 1 through 6, the planting times shall be April 1 to June 15 and August 1 to November 1. In Districts 7 through 9, the planting times shall be March 1 to June 1 and August 1 to November 15. Seeding may be performed outside these dates provided the Contractor guarantees a minimum of 75 percent uniform growth over the entire seeded area(s) after a period of establishment. Inspection dates for the period of establishment will be as follows: Seeding conducted in Districts 1 through 6 between June 16 and July 31 will be inspected after April 15 and seeding conducted between November 2 and March 31 will be inspected after September 15. Seeding conducted in Districts 7 through 9 between June 2 and July 31 will be inspected after April 15 and seeding conducted between November 16 and February 28 will be inspected after September 15. The guarantee shall be submitted to the Engineer in writing prior to performing the work. After the period of establishment, areas not exhibiting 75 percent uniform growth shall be interseeded or reseeded, as determined by the Engineer, at no additional cost to the Department."

Revise the first paragraph of Article 1081.04(a) of the Standard Specifications to read:

"(a) Sampling and Testing. Each lot of seed furnished shall be tested by a State Agriculture Department (including other States) or by land grant college or university agricultural sections or by a Registered Seed Technologist. Germination testing of seed shall be accomplished within the 12 months prior to the seed being installed on the project."

Delete the last sentence of the first paragraph of Article 1081.04(c)(2) of the Standard Specifications.

Revise Table II of Article 1081.04(c)(6) of the Standard Specifications to read:

TABLE II						
Variety of Seeds	Hard Seed % Max.	Purity % Min.	Pure Live Seed % Min.	Weed % Max.	Secondary * Noxious Weeds No. per oz (kg) Max. Permitted	Notes
Alfalfa	20	92	89	0.50	6 (211)	1/

TABLE II

Variety of Seeds	Hard Seed % Max.	Purity % Min.	Pure Live Seed % Min.	Weed % Max.	Secondary * Noxious Weeds No. per oz (kg) Max. Permitted	Notes
Clover, Alsike	15	92	87	0.30	6 (211)	2/
Red Fescue, Audubon	0	97	82	0.10	3 (105)	-
Red Fescue, Creeping	-	97	82	1.00	6 (211)	-
Red Fescue, Epic	-	98	83	0.05	1 (35)	-
Red Fescue, Sea Link	-	98	83	0.10	3 (105)	-
Tall Fescue, Blade Runner	-	98	83	0.10	2 (70)	-
Tall Fescue, Falcon IV	-	98	83	0.05	1 (35)	-
Tall Fescue, Inferno	0	98	83	0.10	2 (70)	-
Tall Fescue, Tarheel II	-	97	82	1.00	6 (211)	-
Tall Fescue, Quest	0	98	83	0.10	2 (70)	
Fults Salt Grass	0	98	85	0.10	2 (70)	-
Salty Alkaligrass	0	98	85	0.10	2 (70)	-
Kentucky Bluegrass	-	97	80	0.30	7 (247)	4/
Oats	-	92	88	0.50	2 (70)	3/
Redtop	-	90	78	1.80	5 (175)	3/
Ryegrass, Perennial, Annual	-	97	85	0.30	5 (175)	3/
Rye, Grain, Winter	-	92	83	0.50	2 (70)	3/
Hard Fescue, Reliant IV	-	98	83	0.05	1 (35)	-
Hard Fescue, Rescue 911	0	97	82	0.10	3 (105)	-
Hard Fescue, Spartan II	-	98	83	0.10	3 (105)	-
Timothy	-	92	84	0.50	5 (175)	3/
Wheat, hard Red Winter	-	92	89	0.50	2 (70)	3/"

Revise the first sentence of the first paragraph of Article 1081.04(c)(7) of the Standard Specifications to read:

"The seed quantities indicated per acre (hectare) for Prairie Grass Seed in Classes 3, 3A, 4, 4A, 6, and 6A in Article 250.07 shall be the amounts of pure, live seed per acre (hectare) for each species listed."

80131

SELF-CONSOLIDATING CONCRETE FOR PRECAST PRODUCTS (BDE)

Effective: July 1, 2004
Revised: July 1, 2010

Definition. Self-consolidating concrete is a flowable mixture that does not require mechanical vibration for consolidation.

Usage. Self-consolidating concrete may be used for precast concrete products.

Materials. Materials shall be according to Section 1021 of the Standard Specifications.

Mix Design Criteria. The mix design criteria shall be as follows:

(a) The minimum cement factor shall be according to Article 1020.04 of the Standard Specifications. If the maximum cement factor is not specified, it shall not exceed 7.05 cwt/cu yd (418 kg/cu m).

(b) The maximum allowable water/cement ratio shall be according to Article 1020.04 of the Standard Specifications or 0.44, whichever is lower.

(c) The slump requirements of Article 1020.04 of the Standard Specifications shall not apply.

(d) The coarse aggregate gradations shall be CA 13, CA 14, CA 16, or a blend of these gradations. CA 11 may be used when the Contractor provides satisfactory evidence to the Engineer that the mix will not segregate. The fine aggregate proportion shall be a maximum 50 percent by weight (mass) of the total aggregate used.

(e) The slump flow range shall be ± 2 in. (± 50 mm) of the Contractor target value, and within the overall Department range of 20 in. (510 mm) minimum to 28 in. (710 mm) maximum.

(f) The visual stability index shall be a maximum of 1.

(g) The J-ring value shall be a maximum of 4 in. (100 mm). The Contractor may specify a lower maximum in the mix design.

(h) The L-box blocking ratio shall be a minimum of 60 percent. The Contractor may specify a higher minimum in the mix design.

(i) The hardened visual stability index shall be a maximum of 1.

Mixing Portland Cement Concrete. In addition to Article 1020.11 of the Standard Specifications, the mixing time for central-mixed concrete shall not be reduced as a result of a mixer

performance test. Truck-mixed or shrink-mixed concrete shall be mixed in a truck mixer for a minimum of 100 revolutions.

Wash water, if used, shall be completely discharged from the drum or container before the succeeding batch is introduced.

The batch sequence, mixing speed, and mixing time shall be appropriate to prevent cement balls and mix foaming for central-mixed, truck-mixed, and shrink-mixed concrete.

Placing and Consolidating. The maximum distance of horizontal flow from the point of deposit shall be 25 ft (7.6 m), unless approved otherwise by the Engineer.

Concrete shall be rodded with a piece of lumber, conduit, or vibrator if the material has lost its fluidity prior to placement of additional concrete. The vibrator shall be the pencil head type with a maximum diameter or width of 1 in. (25 mm). Any other method for restoring the fluidity of the concrete shall be approved by the Engineer.

Mix Design Approval. The Contractor shall obtain mix design approval according to the Department's Policy Memorandum "Quality Control/Quality Assurance Program for Precast Concrete Products".

80132

SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)

Effective: April 2, 2005
Revised: April 1, 2011

To account for the preparatory work and operations necessary for the movement of subcontractor personnel, equipment, supplies, and incidentals to the project site and for all other work or operations that must be performed or costs incurred when beginning work approved for subcontracting according to Article 108.01 of the Standard Specifications, the Contractor shall make a mobilization payment to each subcontractor.

This mobilization payment shall be made at least 14 days prior to the subcontractor starting work. The amount paid shall be equal to 3 percent of the amount of the subcontract reported on form BC 260A submitted for the approval of the subcontractor's work.

The mobilization payment to the subcontractor is an advance payment of the reported amount of the subcontract and is not a payment in addition to the amount of the subcontract; therefore, the amount of the advance payment will be deducted from future progress payments.

This provision shall be incorporated directly or by reference into each subcontract approved by the Department.

80143

CEMENT (BDE)

Effective: January 1, 2007
Revised: April 1, 2011

Revise Section 1001 of the Standard Specifications to read:

"SECTION 1001. CEMENT

1001.01 Cement Types. Cement shall be according to the following.

(a) Portland Cement. Acceptance of portland cement shall be according to the current Bureau of Materials and Physical Research's Policy Memorandum, "Portland or Blended Cement Acceptance Procedure for Qualified and Non-Qualified Plants".

Portland cement shall be according to AASHTO M 85, and shall meet the standard physical and chemical requirements. The Contractor has the option to use any type of portland cement listed in AASHTO M 85 unless a specific cement is specified for a construction item. Inorganic processing additions shall be limited to granulated blast-furnace slag according to the chemical requirements of AASHTO M 302, Class C or F fly ash according to the chemical requirements of AASHTO M 295, and cement kiln dust.

(b) Portland-Pozzolan Cement. Acceptance of portland-pozzolan cement shall be according to the current Bureau of Materials and Physical Research's Policy Memorandum, "Portland or Blended Cement Acceptance Procedure for Qualified and Non-Qualified Plants".

Portland-pozzolan cement shall be according to AASHTO M 240 and shall meet the standard physical and chemical requirements. The Contractor has the option to use portland-pozzolan cement unless a specific cement is specified for a construction item. Inorganic processing additions shall be limited to granulated blast-furnace slag according to the chemical requirements of AASHTO M 302, Class C or F fly ash according to the chemical requirements of AASHTO M 295, and cement kiln dust. The pozzolan constituent for Type IP using Class F fly ash shall be a maximum of 25 percent of the weight (mass) of the portland-pozzolan cement. The pozzolan constituent for Type IP using Class C fly ash shall be a maximum of 30 percent of the weight (mass) of the portland-pozzolan cement. The pozzolan constituent for Type IP using microsilica or high-reactivity metakaolin shall be a maximum of ten percent. The pozzolan constituent for Type IP using other materials shall have the approval of the Engineer.

Portland-pozzolan cement may be used in concrete mixtures when the air temperature is below 40 °F (4 °C), but the Engineer may request a trial batch of the concrete mixture to show the mix design strength requirement will be met.

(c) Portland Blast-Furnace Slag Cement. Acceptance of portland blast-furnace slag cement shall be according to the current Bureau of Materials and Physical Research's Policy

Memorandum, "Portland or Blended Cement Acceptance Procedure for Qualified and Non-Qualified Plants".

Portland blast-furnace slag cement shall be according to AASHTO M 240 and shall meet the standard physical and chemical requirements. The Contractor has the option to use portland blast-furnace slag cement unless a specific cement is specified for a construction item. Inorganic processing additions shall be limited to granulated blast-furnace slag according to the chemical requirements of AASHTO M 302, Class C or F fly ash according to the chemical requirements of AASHTO M 295, and cement kiln dust. The blast-furnace slag constituent for Type IS shall be a maximum of 35 percent of the weight (mass) of the portland blast-furnace slag cement.

Portland blast-furnace slag cement may be used in concrete mixtures when the air temperature is below 40 °F (4 °C), but the Engineer may request a trial batch of the concrete mixture to show the mix design strength requirement will be met.

(d) Rapid Hardening Cement. Rapid hardening cement shall be used according to Article 1020.04 or when approved by the Engineer. The cement shall be on the Department's current "Approved List of Packaged, Dry, Rapid Hardening Cementitious Materials for Concrete Repairs", and shall be according to the following.

(1) The cement shall have a maximum final set of 25 minutes, according to Illinois Modified AASHTO T 131.

(2) The cement shall have a minimum compressive strength of 2000 psi (13,800 kPa) at 3.0 hours, 3200 psi (22,100 kPa) at 6.0 hours, and 4000 psi (27,600 kPa) at 24.0 hours, according to Illinois Modified AASHTO T 106.

(3) The cement shall have a maximum drying shrinkage of 0.050 percent at seven days, according to Illinois Modified ASTM C 596.

(4) The cement shall have a maximum expansion of 0.020 percent at 14 days, according to Illinois Modified ASTM C 1038.

(5) The cement shall have a minimum 80 percent relative dynamic modulus of elasticity; and shall not have a weight (mass) gain in excess of 0.15 percent or a weight (mass) loss in excess of 1.0 percent, after 100 cycles, according to Illinois Modified AASHTO T 161, Procedure B.

(e) Calcium Aluminate Cement. Calcium aluminate cement shall be used according to Article 1020.04 or when approved by the Engineer. The cement shall meet the standard physical requirements for Type I cement according to AASHTO M 85, except the time of setting shall not apply. The chemical requirements shall be determined according to AASHTO T 105 and shall be as follows: minimum 38 percent aluminum oxide (Al_2O_3), maximum 42 percent calcium oxide (CaO), maximum 1 percent magnesium oxide

(MgO), maximum 0.4 percent sulfur trioxide (SO_3), maximum 1 percent loss on ignition, and maximum 3.5 percent insoluble residue.

1001.02 Uniformity of Color. Cement contained in single loads or in shipments of several loads to the same project shall not have visible differences in color.

1001.03 Mixing Brands and Types. Different brands or different types of cement from the same manufacturing plant, or the same brand or type from different plants shall not be mixed or used alternately in the same item of construction unless approved by the Engineer.

1001.04 Storage. Cement shall be stored and protected against damage, such as dampness which may cause partial set or hardened lumps. Different brands or different types of cement from the same manufacturing plant, or the same brand or type from different plants shall be kept separate."

80166

PRECAST CONCRETE HANDLING HOLES (BDE)

Effective: January 1, 2007

Add the following to Article 540.02 of the Standard Specifications:

"(g) Handling Hole Plugs.....1042.16"

Add the following paragraph after the sixth paragraph of Article 540.06 of the Standard Specifications:

"Handling holes shall be filled with a precast concrete plug and sealed with mastic or mortar, or filled with a polyethylene plug. The plug shall not project beyond the inside surface after installation. When metal lifting inserts are used, their sockets shall be filled with mastic or mortar."

Add the following to Article 542.02 of the Standard Specifications:

"(ee) Handling Hole Plugs .....1042.16"

Revise the fifth paragraph of Article 542.04(d) of the Standard Specifications to read:

"Handling holes in concrete pipe shall be filled with a precast concrete plug and sealed with mastic or mortar; or filled with a polyethylene plug. The plug shall not project beyond the inside surface after installation."

Add the following to Article 550.02 of the Standard Specifications:

"(o) Handling Hole Plugs.....1042.16"

Replace the fourth sentence of the fifth paragraph of Article 550.06 of the Standard Specifications with the following:

"Handling holes in concrete pipe shall be filled with a precast concrete plug and sealed with mastic or mortar; or filled with a polyethylene plug. The plug shall not project beyond the inside surface after installation."

Add the following to Article 602.02 of the Standard Specifications:

"(p) Handling Hole Plugs..... 1042.16(a)"

Replace the fifth sentence of the first paragraph of Article 602.07 of the Standard Specifications with the following:

"Handling holes shall be filled with a precast concrete plug and sealed with mastic or mortar. The plug shall not project beyond the inside surface after installation. When metal lifting inserts are used, their sockets shall be filled with mastic or mortar."

Add the following to Section 1042 of the Standard Specifications:

"**1042.16 Handling Hole Plugs.** Plugs for handling holes in precast concrete products shall be as follows.

(a) Precast Concrete Plug. The precast concrete plug shall have a tapered shape and shall have a minimum compressive strength of 3000 psi (20,700 kPa) at 28 days.

(b) Polyethylene Plug. The polyethylene plug shall have a "mushroom" shape with a flat round top and a stem with three different size ribs. The plug shall fit snuggly and cover the handling hole.

The plug shall be according to the following.

Mechanical Properties	Test Method	Value (min.)
Flexural Modulus	ASTM D 790	3300 psi (22,750 kPa)
Tensile Strength (Break)	ASTM D 638	1600 psi (11,030 kPa)
Tensile Strength (Yield)	ASTM D 638	1200 psi (8270 kPa)

Thermal Properties	Test Method	Value (min.)
Brittle Temperature	ASTM D 746	-49 °F (-45 °C)
Vicat Softening Point	ASTM D 1525	194 °F (90 °C)"

80171

Return With Bid

ILLINOIS DEPARTMENT OF TRANSPORTATION

OPTION FOR BITUMINOUS MATERIALS COST ADJUSTMENTS

The bidder shall submit this completed form with his/her bid. Failure to submit the form, or failure to fill out the form completely, shall make this contract exempt of bituminous materials cost adjustments. After award, this form, when submitted, shall become part of the contract.

Contract No.: 11-28-160

Company Name: D. Construction, Inc.

Contractor's Option:

Is your company opting to include this special provision as part of the contract?

Yes ☐ No ☑

Signature: _____ **Date:** 11/30/2011

Kenneth Sandero
President

80173

ALKALI-SILICA REACTION FOR CAST-IN-PLACE CONCRETE (BDE)

Effective: August 1, 2007
Revised: January 1, 2009

Description. This special provision is intended to reduce the risk of a deleterious alkali-silica reaction in concrete exposed to humid or wet conditions. The special provision is not intended or adequate for concrete exposed to potassium acetate, potassium formate, sodium acetate or sodium formate. The special provision shall not apply to the dry environment (humidity less than 60 percent) found inside buildings for residential or commercial occupancy. The special provision shall also not apply to precast products or precast prestressed products.

Aggregate Expansion Values. Each coarse and fine aggregate will be tested by the Department for alkali reaction according to ASTM C 1260. The test will be performed with Type I or II cement having a total equivalent alkali content (Na_2O + $0.658K_2O$) of 0.90 percent or greater. The Engineer will determine the assigned expansion value for each aggregate, and these values will be made available on the Department's Alkali-Silica Potential Reactivity Rating List. The Engineer may differentiate aggregate based on ledge, production method, gradation number, or other factors. An expansion value of 0.05 percent will be assigned to limestone or dolomite coarse aggregates and 0.03 percent to limestone or dolomite fine aggregates (manufactured stone sand); however the Department reserves the right to perform the ASTM C 1260 test.

Aggregate Groups. Each combination of aggregates used in a mixture will be assigned to an aggregate group. The point at which the coarse aggregate and fine aggregate expansion values intersect in the following table will determine the group.

AGGREGATE GROUPS			
Coarse Aggregate or Coarse Aggregate Blend ASTM C 1260 Expansion	Fine Aggregate or Fine Aggregate Blend ASTM C 1260 Expansion		
	≤ 0.16%	> 0.16% - 0.27%	> 0.27%
≤ 0.16%	Group I	Group II	Group III
> 0.16% - 0.27%	Group II	Group II	Group III
> 0.27%	Group III	Group III	Group IV

Mixture Options. Based upon the aggregate group, the following mixture options shall be used; however, the Department may prohibit a mixture option if field performance shows a deleterious alkali-silica reaction or Department testing indicates the mixture may experience a deleterious alkali-silica reaction.

Group I - Mixture options are not applicable. Use any cement or finely divided mineral.
Group II - Mixture options 1, 2, 3, 4, or 5 shall be used.
Group III - Mixture options 1, 2 and 3 combined, 4, or 5 shall be used.

Group IV - Mixture options 1, 2 and 4 combined, or 5 shall be used.

For Class PP-3 concrete the mixture options are not applicable, and any cement may be used with the specified finely divided minerals.

a) Mixture Option 1. The coarse or fine aggregates shall be blended to place the material in a group that will allow the selected cement or finely divided mineral to be used.

When a coarse or fine aggregate is blended, the weighted expansion value shall be calculated separately for the coarse and fine aggregate as follows:

Weighted Expansion Value = (a/100 x A) + (b/100 x B) + (c/100 x C) + ...

Where: a, b, c... = percentage of aggregate in the blend;
A, B, C...= expansion value for that aggregate.

b) Mixture Option 2. A finely divided mineral shall be used as described in 1), 2), 3), or 4) that follow. The replacement ratio is defined as "finely divided mineral:portland cement".

1) Class F Fly Ash. For Class PV, BS, MS, DS, SC, and SI concrete and cement aggregate mixture II (CAM II), Class F fly ash shall replace 15 percent of the portland cement at a minimum replacement ratio of 1.5:1.

2) Class C Fly Ash. For Class PV, MS, SC, and SI Concrete, Class C fly ash with 18 percent to less than 26.5 percent calcium oxide content, and less than 2.0 percent loss on ignition, shall replace 20 percent of the portland cement at a minimum replacement ratio of 1:1; or at a minimum replacement ratio of 1.25:1 if the loss on ignition is 2.0 percent or greater. Class C fly ash with less than 18 percent calcium oxide content shall replace 20 percent of the portland cement at a minimum replacement ratio of 1.25:1.

For Class PP-1, RR, BS, and DS concrete and CAM II, Class C fly ash with less than 26.5 percent calcium oxide content shall replace 15 percent of the portland cement at a minimum replacement ratio of 1.5:1.

3) Ground Granulated Blast-Furnace Slag. For Class PV, BS, MS, SI, DS, and SC concrete, ground granulated blast-furnace slag shall replace 25 percent of the portland cement at a minimum replacement ratio of 1:1.

For Class PP-1 and RR concrete, ground granulated blast-furnace slag shall replace 15 percent of the portland cement at a minimum replacement ratio of 1.5:1.

For Class PP-2, ground granulated blast-furnace slag shall replace 25 to 30 percent of the portland cement at a minimum replacement ratio of 1:1.

4) Microsilica or High Reactivity Metakaolin. Microsilica solids or high reactivity metakaolin shall be added to the mixture at a minimum 25 lb/cu yd (15 kg/cu m) or 27 lb/cu yd (16 kg/cu m) respectively.

c) Mixture Option 3. The cement used shall have a maximum total equivalent alkali content ($Na_2O + 0.658K_2O$) of 0.60 percent. When aggregate in Group II is involved, any finely divided mineral may be used with a portland cement.

d) Mixture Option 4. The cement used shall have a maximum total equivalent alkali content ($Na_2O + 0.658K_2O$) of 0.45 percent. When aggregate in Group II or III is involved, any finely divided mineral may be used with a portland cement.

e) Mixture Option 5. The proposed cement or finely divided mineral may be used if the ASTM C 1567 expansion value is ≤ 0.16 percent when performed on the aggregate in the concrete mixture with the highest ASTM C 1260 test result. The ASTM C 1567 test will be valid for two years, unless the Engineer determines the materials have changed significantly. For latex concrete, the ASTM C 1567 test shall be performed without the latex. The 0.20 percent autoclave expansion limit in ASTM C 1567 shall not apply.

If during the two year time period the Contractor needs to replace the cement, and the replacement cement has an equal or lower total equivalent alkali content ($Na_2O + 0.658K_2O$), a new ASTM C 1567 test will not be required.

Testing. If an individual aggregate has an ASTM C 1260 expansion value > 0.16 percent, an ASTM C 1293 test may be performed by the Contractor to evaluate the Department's ASTM C 1260 test result. The ASTM C 1293 test shall be performed with Type I or II cement having a total equivalent alkali content ($Na_2O + 0.658K_2O$) of 0.80 percent or greater. The interior vertical wall of the ASTM C 1293 recommended container (pail) shall be half covered with a wick of absorbent material consisting of blotting paper. If the testing laboratory desires to use an alternate container or wick of absorbent material, ASTM C 1293 test results with an alkali-reactive aggregate of known expansion characteristics shall be provided to the Engineer for review and approval. If the expansion is less than 0.040 percent after one year, the aggregate will be assigned an ASTM C 1260 expansion value of 0.08 percent that will be valid for two years, unless the Engineer determines the aggregate has changed significantly.

The Engineer reserves the right to verify a Contractor's ASTM C 1293 or 1567 test result. The Engineer will not accept the result if the precision and bias for the test methods are not met.

The laboratory performing the ASTM C 1567 test shall either be accredited by the AASHTO Materials Reference Laboratory (AMRL) for ASTM C 227 under Portland Cement Concrete or Aggregate; or shall be inspected for Hydraulic Cement - Physical Tests by the Cement and Concrete Reference Laboratory (CCRL) and shall be approved by the Department. The laboratory performing the ASTM C 1293 test shall be inspected for Portland Cement Concrete by CCRL and shall be approved by the Department.

EQUIPMENT RENTAL RATES (BDE)

Effective: August 2, 2007
Revised: January 2, 2008

Replace the second and third paragraphs of Article 105.07(b)(4)a. of the Standard Specifications with the following:

> "Equipment idled which cannot be used on other work, and which is authorized to standby on the project site by the Engineer, will be paid for according to Article 109.04(b)(4)."

Replace Article 109.04(b)(4) of the Standard Specifications with the following:

"(4) Equipment. Equipment used for extra work shall be authorized by the Engineer. The equipment shall be specifically described, be of suitable size and capacity for the work to be performed, and be in good operating condition. For such equipment, the Contractor will be paid as follows.

a. Contractor Owned Equipment. Contractor owned equipment will be paid for by the hour using the applicable FHWA hourly rate from the "Equipment Watch Rental Rate Blue Book" (Blue Book) in effect when the force account work begins. The FHWA hourly rate is calculated as follows.

FHWA hourly rate = (monthly rate/176) x (model year adj.) x (Illinois adj.) + EOC

Where: EOC = Estimated Operating Costs per hour (from the Blue Book)

The time allowed will be the actual time the equipment is operating on the extra work. For the time required to move the equipment to and from the site of the extra work and any authorized idle (standby) time, payment will be made at the following hourly rate: 0.5 x (FHWA hourly rate - EOC).

All time allowed shall fall within the working hours authorized for the extra work.

The rates above include the cost of fuel, oil, lubrication, supplies, small tools, necessary attachments, repairs, overhaul and maintenance of any kind, depreciation, storage, overhead, profits, insurance, and all incidentals. The rates do not include labor.

The Contractor shall submit to the Engineer sufficient information for each piece of equipment and its attachments to enable the Engineer to determine the proper equipment category. If a rate is not established in the Blue Book for a particular piece of equipment, the Engineer will establish a rate for that piece of equipment that is consistent with its cost and use in the industry.

b. Rented Equipment. Whenever it is necessary for the Contractor to rent equipment to perform extra work, the rental and transportation costs of the equipment plus five percent for overhead will be paid. In no case shall the rental rates exceed those of established distributors or equipment rental agencies.

All prices shall be agreed to in writing before the equipment is used."

80189

HMA - HAULING ON PARTIALLY COMPLETED FULL-DEPTH PAVEMENT (BDE)

Effective: January 1, 2008

Revise Article 407.08 of the Standard Specifications to read:

"**407.08 Hauling on the Partially Completed Full-Depth Pavement.** Legally loaded trucks will be permitted on the partially completed full-depth HMA pavement only to deliver HMA mixture to the paver, provided the last lift has cooled a minimum of 12 hours. Hauling shall be limited to the distances shown in the following tables. The pavement surface temperature shall be measured using an infrared gun. The use of water to cool the pavement to permit hauling will not be allowed. The Contractor's traffic pattern shall minimize hauling on the partially completed pavement and shall vary across the width of the pavement such that "tracking" of vehicles, one directly behind the other, does not occur.

MAXIMUM HAULING DISTANCE FOR PAVEMENT SURFACE TEMPERATURE BELOW 105 °F (40 °C)				
Total In-Place Thickness Being Hauled On, in. (mm)	Thickness of Lift Being Placed			
	3 in. (75 mm) or less		More than 3 in. (75 mm)	
	Modified Soil Subgrade	Granular Subbase	Modified Soil Subgrade	Granular Subbase
3.0 to 4.0 (75 to 100)	0.75 miles (1200 m)	1.0 mile (1600 m)	0.50 miles (800 m)	0.75 miles (1200 m)
4.1 to 5.0 (101 to 125)	1.0 mile (1600 m)	1.5 miles (2400 m)	0.75 miles (1200 m)	1.0 mile (1600 m)
5.1 to 6.0 (126 to 150)	2.0 miles (3200 m)	2.5 miles (4000 m)	1.5 miles (2400 m)	2.0 miles (3200 m)
6.1 to 8.0 (151 to 200)	2.5 miles (4000 m)	3.0 miles (4800 m)	2.0 miles (3200 m)	2.5 miles (4000 m)
Over 8.0 (200)	No Restrictions			

MAXIMUM HAULING DISTANCE FOR PAVEMENT SURFACE TEMPERATURE OF 105 °F (40 °C) AND ABOVE				
Total In-Place Thickness Being Hauled On, in. (mm)	Thickness of Lift Being Placed			
	3 in. (75 mm) or less		More than 3 in. (75 mm)	
	Modified Soil Subgrade	Granular Subbase	Modified Soil Subgrade	Granular Subbase
3.0 to 4.0 (75 to 100)	0.50 miles (800 m)	0.75 miles (1200 m)	0.25 miles (400 m)	0.50 miles (800 m)
4.1 to 5.0 (101 to 125)	0.75 miles (1200 m)	1.0 mile (1600 m)	0.50 miles (800 m)	0.75 miles (1200 m)
5.1 to 6.0 (126 to 150)	1.0 mile (1600 m)	1.5 miles (2400 m)	0.75 miles (1200 m)	1.0 mile (1600 m)
6.1 to 8.0 (151 to 200)	2.0 miles (3200 m)	2.5 miles (4000 m)	1.5 miles (2400 m)	2.0 miles (3200 m)
Over 8.0 (200)	No Restrictions			

Permissive hauling on the partially completed pavement shall not relieve the Contractor of his/her responsibility for damage to the pavement. Any portion of the full-depth HMA pavement that is damaged by hauling shall be removed and replaced, or otherwise repaired to the satisfaction of the Engineer.

Crossovers used to transfer haul trucks from one roadway to the other shall be at least 1000 ft (300 m) apart and shall be constructed of material that will prevent tracking of dust or mud on the completed HMA lifts. The Contractor shall construct, maintain, and remove all crossovers."

80194

METAL HARDWARE CAST INTO CONCRETE (BDE)

Effective: April 1, 2008
Revised: April 1, 2009

Add the following to Article 503.02 of the Standard Specifications:

"(g) Metal Hardware Cast into Concrete.....1006.13"

Add the following to Article 504.02 of the Standard Specifications:

"(j) Metal Hardware Cast into Concrete.....1006.13"

Revise Article 1006.13 of the Standard Specifications to read:

"**1006.13 Metal Hardware Cast into Concrete.** Unless otherwise noted, all steel hardware cast into concrete, such as inserts, brackets, cable clamps, metal casings for formed holes, and other miscellaneous items, shall be galvanized according to AASHTO M 232 or AASHTO M 111. Aluminum inserts will not be allowed. Zinc alloy inserts shall be according to ASTM B 86, Alloys 3, 5, or 7.

The inserts shall be UNC threaded type anchorages having the following minimum certified proof load.

Insert Diameter	Proof Load
5/8 in. (16 mm)	6600 lb (29.4 kN)
3/4 in. (19 mm)	6600 lb (29.4 kN)
1 in. (25 mm)	9240 lb (41.1 kN)"

80203

APPROVAL OF PROPOSED BORROW AREAS, USE AREAS, AND/OR WASTE AREAS (BDE)

Effective: November 1, 2008
Revised: November 1, 2010

Replace the first paragraph of Article 107.22 of the Standard Specifications with the following:

"All proposed borrow areas, including commercial borrow areas; use areas, including, but not limited to temporary access roads, detours, runarounds, plant sites, and staging and storage areas; and/or waste areas are to be designated by the Contractor to the Engineer and approved prior to their use. Such areas outside the State of Illinois shall be evaluated, at no additional cost to the Department, according to the requirements of the state in which the area lies; and approval by the authority within that state having jurisdiction for such areas shall be forwarded to the Engineer. Such areas within Illinois shall be evaluated as described herein.

A location map delineating the proposed borrow area, use area, and/or waste area shall be submitted to the Engineer for approval along with an agreement from the property owner granting the Department permission to enter the property and conduct cultural and biological resource reconnaissance surveys of the site for archaeological resources, threatened or endangered species or their designated essential habitat, wetlands, prairies, and savannahs. The type of location map submitted shall be a topographic map, a plat map, or a 7.5 minute quadrangle map. Submittals shall include the intended use of the site and provide sufficient detail for the Engineer to determine the extent of impacts to the site. The Engineer will initiate cultural and biological resource reconnaissance surveys of the site, as necessary, at no cost to the Contractor. The Engineer will advise the Contractor of the expected time required to complete all surveys. If the proposed area is within 150 ft (45 m) of the highway right-of-way, a topographic map of the proposed site will be required as specified in Article 204.02."

80207

ALKALI-SILICA REACTION FOR PRECAST AND PRECAST PRESTRESSED CONCRETE (BDE)

Effective: January 1, 2009

Description. This special provision is intended to reduce the risk of a deleterious alkali-silica reaction in precast and precast prestressed concrete exposed to humid or wet conditions. The special provision is not intended or adequate for concrete exposed to potassium acetate, potassium formate, sodium acetate or sodium formate. The special provision shall not apply to the dry environment (humidity less than 60 percent) found inside buildings for residential or commercial occupancy. The special provision shall also not apply to cast-in-place concrete.

Aggregate Expansion Values. Each coarse and fine aggregate will be tested by the Department for alkali reaction according to ASTM C 1260. The test will be performed with Type I or II cement having a total equivalent alkali content (Na_2O + 0.658K_2O) of 0.90 percent or greater. The Engineer will determine the assigned expansion value for each aggregate, and these values will be made available on the Department's Alkali-Silica Potential Reactivity Rating List. The Engineer may differentiate aggregate based on ledge, production method, gradation number, or other factors. An expansion value of 0.05 percent will be assigned to limestone or dolomite coarse aggregates and 0.03 percent to limestone or dolomite fine aggregates (manufactured stone sand); however the Department reserves the right to perform the ASTM C 1260 test.

Aggregate Groups. Each combination of aggregates used in a mixture will be assigned to an aggregate group. The point at which the coarse aggregate and fine aggregate expansion values intersect in the following table will determine the group.

AGGREGATE GROUPS			
Coarse Aggregate or Coarse Aggregate Blend ASTM C 1260 Expansion	Fine Aggregate or Fine Aggregate Blend ASTM C 1260 Expansion		
	≤ 0.16%	> 0.16% - 0.27%	> 0.27%
≤ 0.16%	Group I	Group II	Group III
> 0.16% - 0.27%	Group II	Group II	Group III
> 0.27%	Group III	Group III	Group IV

Mixture Options. Based upon the aggregate group, the following mixture options shall be used; however, the Department may prohibit a mixture option if field performance shows a deleterious alkali-silica reaction or Department testing indicates the mixture may experience a deleterious alkali-silica reaction.

Group I - Mixture options are not applicable. Use any cement or finely divided mineral.
Group II - Mixture options 1, 2, 3, 4, or 5 shall be used.
Group III - Mixture options 1, 2 and 3 combined, 4, or 5 shall be used.

Group IV - Mixture options 1, 2 and 4 combined, or 5 shall be used.

a) Mixture Option 1. The coarse or fine aggregates shall be blended to place the material in a group that will allow the selected cement or finely divided mineral to be used.

When a coarse or fine aggregate is blended, the weighted expansion value shall be calculated separately for the coarse and fine aggregate as follows:

Weighted Expansion Value = (a/100 x A) + (b/100 x B) + (c/100 x C) + ...

Where: a, b, c... = percentage of aggregate in the blend;
A, B, C...= expansion value for that aggregate.

b) Mixture Option 2. A finely divided mineral shall be used as described in 1), 2), 3), or 4) that follow. The replacement ratio is defined as "finely divided mineral:portland cement".

1) Class F Fly Ash. For Class PC concrete, precast products, and PS concrete, Class F fly ash shall replace 15 percent of the portland cement at a minimum replacement ratio of 1.5:1.

2) Class C Fly Ash. For Class PC Concrete, precast products, and Class PS concrete, Class C fly ash with 18 percent to less than 26.5 percent calcium oxide content, and less than 2.0 percent loss on ignition, shall replace 20 percent of the portland cement at a minimum replacement ratio of 1:1; or at a minimum replacement ratio of 1.25:1 if the loss on ignition is 2.0 percent or greater. Class C fly ash with less than 18 percent calcium oxide content shall replace 20 percent of the portland cement at a minimum replacement ratio of 1.25:1.

3) Ground Granulated Blast-Furnace Slag. For Class PC concrete, precast products, and Class PS concrete, ground granulated blast-furnace slag shall replace 25 percent of the portland cement at a minimum replacement ratio of 1:1.

4) Microsilica or High Reactivity Metakaolin. Microsilica solids or high reactivity metakaolin shall be added to the mixture at a minimum 25 lb/cu yd (15 kg/cu m) or 27 lb/cu yd (16 kg/cu m) respectively.

c) Mixture Option 3. The cement used shall have a maximum total equivalent alkali content ($Na_2O + 0.658K_2O$) of 0.60 percent. When aggregate in Group II is involved, any finely divided mineral may be used with a portland cement.

d) Mixture Option 4. The cement used shall have a maximum total equivalent alkali content ($Na_2O + 0.658K_2O$) of 0.45 percent. When aggregate in Group II or III is involved, any finely divided mineral may be used with a portland cement.

e) Mixture Option 5. The proposed cement or finely divided mineral may be used if the ASTM C 1567 expansion value is ≤ 0.16 percent when performed on the aggregate in

the concrete mixture with the highest ASTM C 1260 test result. The ASTM C 1567 test will be valid for two years, unless the Engineer determines the materials have changed significantly. The 0.20 percent autoclave expansion limit in ASTM C 1567 shall not apply.

If during the two year time period the Contractor needs to replace the cement, and the replacement cement has an equal or lower total equivalent alkali content ($Na_2O + 0.658K_2O$), a new ASTM C 1567 test will not be required.

Testing. If an individual aggregate has an ASTM C 1260 expansion value > 0.16 percent, an ASTM C 1293 test may be performed by the Contractor to evaluate the Department's ASTM C 1260 test result. The ASTM C 1293 test shall be performed with Type I or II cement having a total equivalent alkali content ($Na_2O + 0.658K_2O$) of 0.80 percent or greater. The interior vertical wall of the ASTM C 1293 recommended container (pail) shall be half covered with a wick of absorbent material consisting of blotting paper. If the testing laboratory desires to use an alternate container or wick of absorbent material, ASTM C 1293 test results with an alkali-reactive aggregate of known expansion characteristics shall be provided to the Engineer for review and approval. If the expansion is less than 0.040 percent after one year, the aggregate will be assigned an ASTM C 1260 expansion value of 0.08 percent that will be valid for two years, unless the Engineer determines the aggregate has changed significantly.

The Engineer reserves the right to verify a Contractor's ASTM C 1293 or 1567 test result. The Engineer will not accept the result if the precision and bias for the test methods are not met.

The laboratory performing the ASTM C 1567 test shall either be accredited by the AASHTO Materials Reference Laboratory (AMRL) for ASTM C 227 under Portland Cement or Aggregate; or shall be inspected for Hydraulic Cement - Physical Tests by the Cement and Concrete Reference Laboratory (CCRL) and shall be approved by the Department. The laboratory performing the ASTM C 1293 test shall be inspected for Portland Cement Concrete by CCRL and shall be approved by the Department.

TEMPORARY RAISED PAVEMENT MARKER (BDE)

Effective: January 1, 2009

Description. This work shall consist of furnishing and installing temporary raised pavement markers.

Materials. The marker body shall be approximately 0.06 in. (1.5 mm) thick polyurethane formed in an "L" shape. The base of the marker shall be approximately 4 in. (100 mm) wide by 1.125 in. (28 mm) long with a solid 0.125 in. (3.2 mm) thick butyl rubber adhesive pad protected with a release paper. The vertical portion of the marker shall be approximately 4 in. (100 mm) wide by 2 in. (50 mm) high.

A cube-corner micro-prism reflective tape material shall be placed horizontally along both sides at the top of the vertical section of the marker. The reflective material shall be recessed in an "I-Beam" design to protect the reflective material from aggregate. A clear flexible polyvinyl chloride plastic cover is to be attached to the vertical section of the marker with a heavy duty staple to cover the reflective material during surfacing operations. The flexible raised pavement marker shall be readily visible at night when viewed with high beam automobile headlamps from a distance of at least 300 ft (90 m).

Construction Requirements

Application. The temporary markers shall be installed at the centerline or lane line(s) prior to application of any surface treatment which would cover the existing pavement markings. Temporary markers shall also be applied at edge lines when specified on the plans.

For temporary replacement of skip dash markings, an abbreviated pattern of two markers spaced 4 ft (1.2 m) apart with a maximum spacing of 40 ft (12 m) between sets of markers shall be used. For temporary replacement of solid lines, one marker shall be placed every 5 ft (1.5 m). The marker color and location shall match the existing line color and location.

Basis of Payment. This work will be paid for at the contract unit price per each for TEMPORARY RAISED PAVEMENT MARKER.

80225

DETERMINATION OF THICKNESS (BDE)

Effective: April 1, 2009

Revise Articles 353.12 and 353.13 of the Standard Specifications to Articles 353.13 and 353.14 respectively.

Add the following Article to the Standard Specifications:

"**353.12 Tolerance in Thickness.** The thickness of base course pay items that individually contain at least 1000 sq yd (840 sq m) of contiguous area, except for temporary construction, bike paths, and individual locations less than 500 ft (150 m) long, will be evaluated. Temporary construction is defined as those areas constructed and removed under the same contract. If the base course cannot be cored for thickness prior to placement of the cover layer(s), the Engineer will determine the thickness of the cover layer(s), and subtract them from the measured core thickness to determine the base course thickness.

The procedure described in Article 407.10(b) will be followed, except the option of correcting deficient pavement with additional lift(s) shall not apply."

Revise Article 354.09 of the Standard Specifications to read:

"**354.09 Tolerance in Thickness.** The thickness of base course widening pay items that individually contain at least 1000 sq yd (840 sq m) of contiguous area, except for temporary construction; bike paths and individual locations less than 3 ft (1 m) wide or 1000 ft (300 m) long, will be evaluated. Temporary construction is defined as those areas constructed and removed under the same contract. If the base course widening cannot be cored for thickness prior to placement of the cover layer(s), the Engineer will determine the thickness of the cover layer(s), and subtract them from the measured core thickness to determine the base course widening thickness.

The procedure described in Article 407.10(b) will be followed, except:

(a) The width of a unit shall be the width of the widening along one edge of the pavement.

(b) The length of the unit shall be 1000 ft (300 m).

(c) The option of correcting deficient pavement with additional lift(s) shall not apply."

Revise Article 355.09 of the Standard Specifications to read:

"**355.09 Tolerance in Thickness.** The thickness of HMA base course pay items that individually contain at least 1000 sq yd (840 sq m) of contiguous area, except for temporary construction; bike paths and individual locations less than 500 ft (150 m) long, will be evaluated according to Article 407.10(b). Temporary construction is defined as those areas constructed and removed under the same contract. If the base course cannot be cored for thickness prior to

placement of the cover layer(s), the Engineer will determine the thickness of the cover layer(s), and subtract them from the measured core thickness to determine the base course thickness."

Revise Article 356.07 of the Standard Specifications to read:

"**356.07 Tolerance in Thickness.** The thickness of HMA base course widening pay items that individually contain at least 1000 sq yd (840 sq m) of contiguous area, except for temporary construction; bike paths and individual locations less than 3 ft (1 m) wide or 1000 ft (300 m) long, will be evaluated according to Article 407.10(b) except, the width of a unit shall be the width of the widening along one edge of the pavement and the length of a unit shall be 1000 ft (300 m). Temporary locations are defined as those constructed and removed under the same contract. If the base course widening cannot be cored for thickness prior to placement of the cover layer(s), the Engineer will determine the thickness of the cover layer(s)and subtract them from the measured core thickness to determine the base course widening thickness."

Revise Article 407.10 of the Standard Specifications to read:

"**407.10 Tolerance in Thickness.** Determination of pavement thickness shall be performed after the pavement surface tests and corrective action have been completed according to Article 407.09. Pay adjustments made for pavement thickness will be in addition to and independent of those made for pavement smoothness. Pavement pay items that individually contain at least 1000 sq yd (840 sq m) of contiguous pavement shall be evaluated with the following exclusions: temporary pavements; variable width pavements; radius returns; short lengths of contiguous pavements less than 500 ft (125 m) in length; and constant width portions of turn lanes less than 500 ft (125 m) in length. Temporary pavements are defined as pavements constructed and removed under the same contract.

The method described in Article 407.10(a), shall be used except for those pavements constructed in areas where access to side streets and entrances necessitates construction in segments less than 1000 ft (300 m). The method described in Article 407.10(b) shall be used in areas where access to side streets and entrances necessitates construction in segments less than 1000 ft (300 m).

(a) Percent Within Limits. The percent within limits (PWL) method shall be as follows.

(1) Lots and Sublots. The pavement will be divided into approximately equal lots of not more than 5000 ft (1500 m) in length. When the length of a continuous strip of pavement is 500 ft (150 m) or greater but less than 5000 ft (1500 m), these short lengths of pavement, ramps, turn lanes, and other short sections of continuous pavement will be grouped together to form lots approximately 5000 ft (1500 m) in length. Short segments between structures will be measured continuously with the structure segments omitted. Each lot will be subdivided into ten equal sublots. The width of a sublot and lot will be the width from the pavement edge to the adjacent lane line, from one lane line to the next, or between pavement edges for single-lane pavements.

(2) Cores. Cores 2 in. (50 mm) in diameter shall be taken from the pavement by the Contractor, at locations selected by the Engineer. The exact location for each core will be selected at random, but will result in one core per sublot. Core locations will be specified prior to beginning the coring operations.

The Contractor and the Engineer shall witness the coring operations, as well as the measuring and recording of the core lengths. The cores will be measured with a device supplied by the Department immediately upon removal from the core bit and prior to moving to the next core location. Upon concurrence of the length, the core samples shall be disposed of according to Article 202.03.

Upon completion of each core, all water shall be removed from the hole and the hole then filled with a rapid hardening mortar or concrete. The material shall be mixed in a separate container, placed in the hole, consolidated by rodding, and struck-off flush with the adjacent pavement.

(3) Deficient Sublot. When the length of the core in a sublot is deficient by more than ten percent of plan thickness, the Contractor may take three additional cores within that sublot at locations selected at random by the Engineer. If the Contractor chooses not to take additional cores, the pavement in that sublot shall be removed and replaced.

When the three additional cores are taken, the length of those cores will be averaged with the original core length. If the average shows the sublot to be deficient by ten percent or less, no additional action is necessary. If the average shows the sublot to be deficient by more than ten percent, the pavement in that sublot shall be removed and replaced; however, when requested in writing by the Contractor, the Engineer may permit in writing such deficient sublots to remain in place. For deficient sublots allowed to remain in place, additional lift(s) may be placed, at no additional cost to the Department, to bring the deficient pavement to plan thickness when the Engineer determines grade control conditions will permit such lift(s). The area(s) to be overlaid, material to be used, thickness(es) of the lift(s), and method of placement will be approved by the Engineer.

When a deficient sublot is removed and replaced, or additional lifts are placed, the corrected sublot shall be retested for thickness. The length of the new core taken in the sublot will be used in determining the PWL for the lot.

When a deficient sublot is left in place, and no additional lift(s) are placed, no payment will be made for the deficient sublot. The length of the original core taken in the sublot will be used in determining the PWL for the lot.

(4) Deficient Lot. After addressing deficient sublots, the PWL for each lot will be determined. When the PWL of a lot is 60 percent or less, the pavement in that lot shall be removed and replaced; however, when requested in writing by the Contractor, the Engineer may permit in writing such deficient lots to remain in place.

For deficient lots allowed to remain in place, additional lift(s) may be placed, at no additional cost to the Department, to bring the deficient pavement to plan thickness when the Engineer determines grade control conditions will permit such lift(s). The area(s) to be overlaid, material to be used, thickness(es) of the lift(s), and method of placement will be approved by the Engineer.

When a deficient lot is removed and replaced, or additional lifts are placed, the corrected lot shall be retested for thickness. The PWL for the lot will then be recalculated based upon the new cores; however, the pay factor for the lot shall be a maximum of 100 percent.

When a deficient lot is left in place, and no additional lift(s) are placed, the PWL for the lot will not be recalculated.

(5) Right of Discovery. When the Engineer has reason to believe the random core selection process will not accurately represent the true conditions of the work, he/she may order additional cores. The additional cores shall be taken at specific locations determined by the Engineer. The Engineer will provide notice to the Contractor containing an explanation of the reasons for his/her action. The need for, and location of, additional cores will be determined prior to commencement of coring operations.

When the additional cores show the pavement to be deficient by more than ten percent of plan thickness, more additional cores shall be taken to determine the limits of the deficient pavement and that area shall be removed and replaced; however, when requested in writing by the Contractor, the Engineer may permit in writing such areas of deficient pavement to remain in place. The area of deficient pavement will be defined using the length between two acceptable cores and the full width of the sublot. An acceptable core is a core with a length of at least 90 percent of plan thickness.

For deficient areas allowed to remain in place, additional lift(s) may be placed, at no additional cost to the Department, to bring the deficient pavement to plan thickness when the Engineer determines grade control conditions will permit such lift(s). The area(s) to be overlaid, material to be used, thickness(es) of the lift(s), and method of placement will be approved by the Engineer.

When an area of deficient pavement is removed and replaced, or additional lifts are placed, the corrected pavement shall be retested for thickness.

When an area of deficient pavement is left in place, and no additional lift(s) are placed, no payment will be made for the deficient pavement.

When the additional cores show the pavement to be at least 90 percent of plan thickness, the additional cores will be paid for according to Article 109.04.

(6) Profile Index Adjustment. After any area of pavement is removed and replaced or any additional lifts are placed, the corrected areas shall be retested for pavement smoothness and any necessary profile index adjustments and/or corrections will be made based on these final profile readings prior to retesting for thickness.

(7) Determination of PWL. The PWL for each lot will be determined as follows.

Definitions:

x_i = Individual values (core lengths) under consideration
n = Number of individual values under consideration (10 per lot)
$\bar{x}$ = Average of the values under consideration
LSL = Lower Specification Limit (98% of plan thickness)
Q_L = Lower Quality Index
S = Sample Standard Deviation
PWL = Percent Within Limits

Determine $\bar{x}$ for the lot to the nearest two decimal places.

Determine S for the lot to the nearest three decimal places using:

$$S = \sqrt{\frac{\Sigma(x_i - \bar{x})^2}{n-1}} \quad \text{where} \quad \Sigma(x_i - \bar{x})^2 = (x_1 - \bar{x})^2 + (x_2 - \bar{x})^2 + \ldots\ldots + (x_{10} - \bar{x})^2$$

Determine Q_L for the lot to the nearest two decimal places using:

$$Q_L = \frac{(\bar{x} - LSL)}{S}$$

Determine PWL for the lot using the Q_L and the following table. For Q_L values less than zero the value shown in the table must be subtracted from 100 to obtain PWL.

(8) Pay Factors. The pay factor (PF) for each lot will be determined, to the nearest two decimal places, using:

PF (in percent) = 55 + 0.5 (PWL)

If $\bar{x}$ for a lot is less than the plan thickness, the maximum PF for that lot shall be 100 percent.

(9) Payment. Payment of incentive or disincentive for pay items subject to the PWL method will be calculated using:

Payment = (((TPF/100)-1) x CUP) x (TOTPAVT - DEFPAVT)

TPF = Total Pay Factor

CUP = Contract Unit Price
TOTPAVT = Area of Pavement Subject to Coring
DEFPAVT = Area of Deficient Pavement

The TPF for the pavement shall be the average of the PF for all the lots; however, the TPF shall not exceed 102 percent.

Area of Deficient pavement (DEFPAVT) is defined as an area of pavement represented by a sublot deficient by more than ten percent which is left in place with no additional thickness added.

Area of Pavement Subject to Coring (TOTPAVT) is defined as those pavement areas included in lots for pavement thickness determination.

PERCENT WITHIN LIMITS							
Quality Index (Q_L)*	Percent Within Limits (PWL)	Quality Index (Q_L)*	Percent Within Limits (PWL)	Quality Index (Q_L)*	Percent Within Limits (PWL)	Quality Index (Q_L)*	Percent Within Limits (PWL)
0.00	50.00	0.40	65.07	0.80	78.43	1.20	88.76
0.01	50.38	0.41	65.43	0.81	78.72	1.21	88.97
0.02	50.77	0.42	65.79	0.82	79.02	1.22	89.17
0.03	51.15	0.43	66.15	0.83	79.31	1.23	89.38
0.04	51.54	0.44	66.51	0.84	79.61	1.24	89.58
0.05	51.92	0.45	66.87	0.85	79.90	1.25	89.79
0.06	52.30	0.46	67.22	0.86	80.19	1.26	89.99
0.07	52.69	0.47	67.57	0.87	80.47	1.27	90.19
0.08	53.07	0.48	67.93	0.88	80.76	1.28	90.38
0.09	53.46	0.49	68.28	0.89	81.04	1.29	90.58
0.10	53.84	0.50	68.63	0.90	81.33	1.30	90.78
0.11	54.22	0.51	68.98	0.91	81.61	1.31	90.96
0.12	54.60	0.52	69.32	0.92	81.88	1.32	91.15
0.13	54.99	0.53	69.67	0.93	82.16	1.33	91.33
0.14	55.37	0.54	70.01	0.94	82.43	1.34	91.52
0.15	55.75	0.55	70.36	0.95	82.71	1.35	91.70
0.16	56.13	0.56	70.70	0.96	82.97	1.36	91.87
0.17	56.51	0.57	71.04	0.97	83.24	1.37	92.04
0.18	56.89	0.58	71.38	0.98	83.50	1.38	92.22
0.19	57.27	0.59	71.72	0.99	83.77	1.39	92.39
0.20	57.65	0.60	72.06	1.00	84.03	1.40	92.56
0.21	58.03	0.61	72.39	1.01	84.28	1.41	92.72
0.22	58.40	0.62	72.72	1.02	84.53	1.42	92.88
0.23	58.78	0.63	73.06	1.03	84.79	1.43	93.05
0.24	59.15	0.64	73.39	1.04	85.04	1.44	93.21
0.25	59.53	0.65	73.72	1.05	85.29	1.45	93.37
0.26	59.90	0.66	74.04	1.06	85.53	1.46	93.52
0.27	60.28	0.67	74.36	1.07	85.77	1.47	93.67
0.28	60.65	0.68	74.69	1.08	86.02	1.48	93.83
0.29	61.03	0.69	75.01	1.09	86.26	1.49	93.98
0.30	61.40	0.70	75.33	1.10	86.50	1.50	94.13
0.31	61.77	0.71	75.64	1.11	86.73	1.51	94.27
0.32	62.14	0.72	75.96	1.12	86.96	1.52	94.41
0.33	62.51	0.73	76.27	1.13	87.20	1.53	94.54
0.34	62.88	0.74	76.59	1.14	87.43	1.54	94.68
0.35	63.25	0.75	76.90	1.15	87.66	1.55	94.82
0.36	63.61	0.76	77.21	1.16	87.88	1.56	94.95
0.37	63.98	0.77	77.51	1.17	88.10	1.57	95.08
0.38	64.34	0.78	77.82	1.18	88.32	1.58	95.20
0.39	64.71	0.79	78.12	1.19	88.54	1.59	95.33

*For Q_L values less than zero, subtract the table value from 100 to obtain PWL

PERCENT WITHIN LIMITS (continued)					
Quality Index (Q_L)*	Percent Within Limits (PWL)	Quality Index (Q_L)*	Percent Within Limits (PWL)	Quality Index (Q_L)*	Percent Within Limits (PWL)
1.60	95.46	2.00	98.83	2.40	99.89
1.61	95.58	2.01	98.88	2.41	99.90
1.62	95.70	2.02	98.92	2.42	99.91
1.63	95.81	2.03	98.97	2.43	99.91
1.64	95.93	2.04	99.01	2.44	99.92
1.65	96.05	2.05	99.06	2.45	99.93
1.66	96.16	2.06	99.10	2.46	99.94
1.67	96.27	2.07	99.14	2.47	99.94
1.68	96.37	2.08	99.18	2.48	99.95
1.69	96.48	2.09	99.22	2.49	99.95
1.70	96.59	2.10	99.26	2.50	99.96
1.71	96.69	2.11	99.29	2.51	99.96
1.72	96.78	2.12	99.32	2.52	99.97
1.73	96.88	2.13	99.36	2.53	99.97
1.74	96.97	2.14	99.39	2.54	99.98
1.75	97.07	2.15	99.42	2.55	99.98
1.76	97.16	2.16	99.45	2.56	99.98
1.77	97.25	2.17	99.48	2.57	99.98
1.78	97.33	2.18	99.50	2.58	99.99
1.79	97.42	2.19	99.53	2.59	99.99
1.80	97.51	2.20	99.56	2.60	99.99
1.81	97.59	2.21	99.58	2.61	99.99
1.82	97.67	2.22	99.61	2.62	99.99
1.83	97.75	2.23	99.63	2.63	100.00
1.84	97.83	2.22	99.66	2.64	100.00
1.85	97.91	2.25	99.68	≥ 2.65	100.00
1.86	97.98	2.26	99.70		
1.87	98.05	2.27	99.72		
1.88	98.11	2.28	99.73		
1.89	98.18	2.29	99.75		
1.90	98.25	2.30	99.77		
1.91	98.31	2.31	99.78		
1.92	98.37	2.32	99.80		
1.93	98.44	2.33	99.81		
1.94	98.50	2.34	99.83		
1.95	98.56	2.35	99.84		
1.96	98.61	2.36	99.85		
1.97	98.67	2.37	99.86		
1.98	98.72	2.38	99.87		
1.99	98.78	2.39	99.88		

*For Q_L values less than zero, subtract the table value from 100 to obtain PWL

(b) Minimum Thickness. The minimum thickness method shall be as follows.

(1) Length of Units. The length of a unit will be a continuous strip of pavement 500 ft (150 m) in length.

(2) Width of Units. The width of a unit will be the width from the pavement edge to the adjacent lane line, from one lane line to the next, or between pavement edges for single-lane pavements.

(3) Thickness Measurements. Pavement thickness will be based on 2 in. (50 mm) diameter cores.

Cores shall be taken from the pavement by the Contractor at locations selected by the Engineer. When determining the thickness of a unit, one core shall be taken in each unit.

The Contractor and the Engineer shall witness the coring operations, as well as the measuring and recording of the cores. Core measurements will be determined immediately upon removal from the core bit and prior to moving to the next core location. Upon concurrence of the length, the core samples may be disposed of according to Article 202.03.

Upon completion of each core, all water shall be removed from the hole and the hole then filled with a rapid hardening mortar or concrete. The material shall be mixed in a separate container, placed in the hole, consolidated by rodding, and struck-off flush with the adjacent pavement.

(4) Unit Deficient in Thickness. In considering any portion of the pavement that is deficient, the entire limits of the unit will be used in computing the deficiency or determining the remedial action required.

(5) Thickness Equals or Exceeds Specified Thickness. When the thickness of a unit equals or exceeds the specified plan thickness, payment will be made at the contract unit price per square yard (square meter) for the specified thickness.

(6) Thickness Deficient by Ten Percent or Less. When the thickness of a unit is less than the specified plan thickness by ten percent or less, a deficiency deduction will be assessed against payment for the item involved. The deficiency will be a percentage of the contract unit price as given in the following table.

Percent Deficiency (of Plan Thickness)	Percent Deduction (of Contract Unit Price)
0.0 to 2.0	0
2.1 to 3.0	20
3.1 to 4.0	28
4.1 to 5.0	32
5.1 to 7.5	43
7.6 to 10.0	50

(7) Thickness Deficient by More than Ten Percent. When a core shows the pavement to be deficient by more than ten percent of plan thickness, additional cores shall be taken on each side of the deficient core, at stations selected by the Contractor and offsets selected by the Engineer, to determine the limits of the deficient pavement. No core shall be located within 5 ft (1.5 m) of a previous core obtained for thickness determination. The first acceptable core obtained on each side of a deficient core will be used to determine the length of the deficient pavement. An acceptable core is a core with a thickness of at least 90 percent of plan thickness. The area of deficient pavement will be defined using the length between two acceptable cores and the full width of the unit. The area of deficient pavement shall be removed and replaced; however, when requested in writing by the Contractor, the Engineer may permit in writing such areas of deficient pavement to remain in place. For deficient areas allowed to remain in place, additional lift(s) may be placed, at no additional cost to the Department, to bring the deficient pavement to plan thickness when the Engineer determines grade control conditions will permit such lift(s). The area(s) to be overlaid, material to be used, thickness(es) of the lift(s), and method of placement will be approved by the Engineer.

When an area of deficient pavement is removed and replaced, or additional lifts are placed, the corrected pavement shall be retested for thickness. The thickness of the new core will be used to determine the pay factor for the corrected area.

When an area of deficient pavement is left in place, and no additional lift(s) are placed, no payment will be made for the deficient pavement. In addition, an amount equal to two times the contract cost of the deficient pavement will be deducted from the compensation due the Contractor.

The thickness of the first acceptable core on each side of the core more than ten percent deficient will be used to determine any needed pay adjustments for the remaining areas on each side of the area deficient by more than ten percent. The pay adjustment will be determined according to Article 407.10(b)(6).

(8) Right of Discovery. When the Engineer has reason to believe any core location does not accurately represent the true conditions of the work, he/she may order additional cores. These additional cores shall be taken at specific locations determined by the

Engineer. The Engineer will provide notice to the Contractor containing an explanation of the reasons for his/her action.

When the additional cores show the pavement to be deficient by more than ten percent of plan thickness, the procedures outlined in Article 407.10(b)(7) shall be followed, except the Engineer will determine the additional core locations.

When the additional cores, ordered by the Engineer, show the pavement to be at least 90 percent of plan thickness, the additional cores will be paid for according to Article 109.04.

(9) Profile Index Adjustment. After any area of pavement is removed and replaced or any additional lifts are added, the corrected areas shall be retested for pavement smoothness and any necessary profile index adjustments and/or corrections will be made based on these final profile readings prior to retesting for thickness."

Revise Article 482.06 of the Standard Specifications to read:

"**482.06 Tolerance in Thickness.** The shoulder shall be constructed to the thickness shown on the plans. When the contract includes square yards (square meters) as the unit of measurement for HMA shoulder, thickness determinations shall be made according to Article 407.10(b)(3) and the following.

(a) Length of the Units. The length of a unit shall be a continuous strip of shoulder 2500 ft (750 m) long.

(b) Width of the Units. The width of the unit shall be the full width of the shoulder.

(c) Thickness Deficient by More than Ten Percent. When a core shows the shoulder to be deficient by more than ten percent of plan thickness, additional cores shall be taken on each side of the deficient core, at stations selected by the Contractor and offsets selected by the Engineer, to determine the limits of the deficient shoulder. No core shall be located within 5 ft (1.5 m) of a previous core obtained for thickness determination. The first acceptable core obtained on each side of a deficient core will be used to determine the length of the deficient shoulder. An acceptable core is a core with a thickness of at least 90 percent of plan thickness. The area of deficient shoulder will be defined using the length between two acceptable cores and the full width of the unit. The area of deficient shoulder shall be brought to specified thickness by the addition of the applicable mixture, at no additional cost to the Department and subject to the lift thickness requirements of Article 312.05, or by removal and replacement with a new mixture. However, the surface elevation of the completed shoulder shall not exceed by more than 1/8 in. (3 mm) the surface elevation of the adjacent pavement. When requested in writing by the Contractor, the Engineer may permit in writing such thin shoulder to remain in place. When an area of thin shoulder is left in place, and no additional lift(s) are placed, no payment will be made for the thin shoulder. In addition,

an amount equal to two times the contract unit price of the shoulder will be deducted from the compensation due the Contractor.

When an area of deficient shoulder is removed and replaced, or additional lifts are placed, the corrected pavement shall be retested for thickness.

(d) Right of Discovery. When the Engineer has reason to believe any core location does not accurately represent the true conditions of the work, he/she may order additional cores. When the additional cores, ordered by the Engineer, show the shoulder to be at least 90 percent of plan thickness, the additional cores will be paid for according to Article 109.04. When the additional core shows the shoulder to be less than 90 percent of plan thickness, the procedure in (c), above shall be followed."

Revise Article 483.07 of the Standard Specifications to read:

"**483.07 Tolerance in Thickness.** The shoulder shall be constructed to the thickness shown on the plans. Thickness determinations shall be made according to Article 482.06 except the option of correcting deficient pavement with additional lift(s) shall not apply."

80227

FLAGGER AT SIDE ROADS AND ENTRANCES (BDE)

Effective: April 1, 2009

Revise the second paragraph of Article 701.13(a) of the Standard Specifications to read:

> "The Engineer will determine when a side road or entrance shall be closed to traffic. A flagger will be required at each side road or entrance remaining open to traffic within the operation where two-way traffic is maintained on one lane of pavement. The flagger shall be positioned as shown on the plans or as directed by the Engineer."

Revise the first and second paragraph of Article 701.20(i) of the Standard Specifications to read:

> "Signs, barricades, or other traffic control devices required by the Engineer over and above those specified will be paid for according to Article 109.04. All flaggers required at side roads and entrances remaining open to traffic including those that are shown on the Highway Standards and/or additional barricades required by the Engineer to close side roads and entrances will be paid for according to Article 109.04."

80228

LIQUIDATED DAMAGES (BDE)

Effective: April 1, 2009
Revised: April 1, 2011

Revise the table in Article 108.09 of the Standard Specifications to read:

"Schedule of Deductions for Each Day of Overrun in Contract Time			
Original Contract Amount		Daily Charges	
From More Than	To and Including	Calendar Day	Work Day
$ 0	$ 100,000	$ 475	$ 675
100,000	500,000	750	1,050
500,000	1,000,000	1,025	1,425
1,000,000	3,000,000	1,275	1,725
3,000,000	6,000,000	1,425	2,000
6,000,000	12,000,000	2,300	3,450
12,000,000	And over	5,800	8,125"

80230

PAVEMENT MARKING REMOVAL (BDE)

Effective: April 1, 2009

Add the following to the end of the first paragraph of Article 783.03(a) of the Standard Specifications:

"The use of grinders will not be allowed on new surface courses."

80231

CONSTRUCTION AIR QUALITY - DIESEL VEHICLE EMISSIONS CONTROL (BDE)

Effective: April 1, 2009
Revised: July 1, 2009

Diesel Vehicle Emissions Control. The reduction of construction air emissions shall be accomplished by using cleaner burning diesel fuel. The term "equipment" refers to any and all diesel fuel powered devices rated at 50 hp and above, to be used on the project site in excess of seven calendar days over the course of the construction period on the project site (including any "rental" equipment).

All equipment on the jobsite, with engine ratings of 50 hp and above, shall be required to: use Ultra Low Sulfur Diesel fuel (ULSD) exclusively (15 ppm sulfur content or less).

Diesel powered equipment in non-compliance will not be allowed to be used on the project site, and is also subject to a notice of non-compliance as outlined below.

The Contractor shall submit copies of monthly summary reports and include certified copies of the ULSD diesel fuel delivery slips for diesel fuel delivered to the jobsite for the reporting time period, noting the quantity of diesel fuel used.

If any diesel powered equipment is found to be in non-compliance with any portion of this specification, the Engineer will issue the Contractor a notice of non-compliance and identify an appropriate period of time, as outlined below under environmental deficiency deduction, in which to bring the equipment into compliance or remove it from the project site.

Any costs associated with bringing any diesel powered equipment into compliance with these diesel vehicle emissions controls shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed. The Contractor's compliance with this notice and any associated regulations shall also not be grounds for a claim.

Environmental Deficiency Deduction. When the Engineer is notified, or determines that an environmental control deficiency exists, he/she will notify the Contractor in writing, and direct the Contractor to correct the deficiency within a specified time period. The specified time-period, which begins upon Contractor notification, will be from 1/2 hour to 24 hours long, based on the urgency of the situation and the nature of the deficiency. The Engineer shall be the sole judge regarding the time period.

The deficiency will be based on lack of repair, maintenance and diesel vehicle emissions control.

If the Contractor fails to correct the deficiency within the specified time frame, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency continues to exist. The calendar day(s) will begin when the time period for correction is exceeded and end

with the Engineer's written acceptance of the correction. The daily monetary deduction will be $1,000.00 for each deficiency identified.

If a Contractor or subcontractor accumulates three environmental deficiency deductions in a contract period, the Contractor will be shutdown until the deficiency is corrected. Such a shutdown will not be grounds for any extension of contract time, waiver of penalties, or be grounds for any claim.

80237

CONSTRUCTION AIR QUALITY - IDLING RESTRICTIONS (BDE)

Effective: April 1, 2009

Idling Restrictions. The Contractor shall establish truck-staging areas for all diesel powered vehicles that are waiting to load or unload material at the jobsite. Staging areas shall be located where the diesel emissions from the equipment will have a minimum impact on adjacent sensitive receptors. The Department will review the selection of staging areas, whether within or outside the existing highway right-of-way, to avoid locations near sensitive areas or populations to the extent possible. Sensitive receptors include, but are not limited to, hospitals, schools, residences, motels, hotels, daycare facilities, elderly housing and convalescent facilities. Diesel powered engines shall also be located as far away as possible from fresh air intakes, air conditioners, and windows. The Engineer will approve staging areas before implementation.

Diesel powered vehicle operators may not cause or allow the motor vehicle, when it is not in motion, to idle for more than a total of 10 minutes within any 60 minute period, except under any of the following circumstances:

1) The motor vehicle has a gross vehicle weight rating of less than 8000 lb (3630 kg).
2) The motor vehicle idles while forced to remain motionless because of on-highway traffic, an official traffic control device or signal, or at the direction of a law enforcement official.
3) The motor vehicle idles when operating defrosters, heaters, air conditioners, or other equipment solely to prevent a safety or health emergency.
4) A police, fire, ambulance, public safety, other emergency or law enforcement motor vehicle, or any motor vehicle used in an emergency capacity, idles while in an emergency or training mode and not for the convenience of the vehicle operator.
5) The primary propulsion engine idles for maintenance, servicing, repairing, or diagnostic purposes if idling is necessary for such activity.
6) A motor vehicle idles as part of a government inspection to verify that all equipment is in good working order, provided idling is required as part of the inspection.
7) When idling of the motor vehicle is required to operate auxiliary equipment to accomplish the intended use of the vehicle (such as loading, unloading, mixing, or processing cargo; controlling cargo temperature; construction operations, lumbering operations; oil or gas well servicing; or farming operations), provided that this exemption does not apply when the vehicle is idling solely for cabin comfort or to operate non-essential equipment such as air conditioning, heating, microwave ovens, or televisions.
8) When the motor vehicle idles due to mechanical difficulties over which the operator has no control.
9) The outdoor temperature is less than 32 °F (0 °C) or greater than 80 °F (26 °C).

When the outdoor temperature is greater than or equal to 32 °F (0 °C) or less than or equal to 80 °F (26 °C), a person who operates a motor vehicle operating on diesel fuel shall not cause or allow the motor vehicle to idle for a period greater than 30 minutes in any 60 minute period while waiting to weigh, load, or unload cargo or freight, unless the vehicle is in a line of vehicles that regularly and periodically moves forward.

The above requirements do not prohibit the operation of an auxiliary power unit or generator set as an alternative to idling the main engine of a motor vehicle operating on diesel fuel.

Environmental Deficiency Deduction. When the Engineer is notified, or determines that an environmental control deficiency exists based on non-compliance with the idling restrictions, he/she will notify the Contractor, and direct the Contractor to correct the deficiency.

If the Contractor fails to correct the deficiency a monetary deduction will be imposed. The monetary deduction will be $1,000.00 for each deficiency identified.

80239

HOT-MIX ASPHALT – ANTI-STRIPPING ADDITIVE (BDE)

Effective: November 1, 2009

Revise the first and second paragraphs of Article 1030.04(c) of the Standard Specifications to read:

"(c) Determination of Need for Anti-Stripping Additive. The mixture designer shall determine if an additive is needed in the mix to prevent stripping. The determination will be made on the basis of tests performed according to Illinois Modified AASHTO T 283. To be considered acceptable by the Department as a mixture not susceptible to stripping, the conditioned to unconditioned split tensile strength ratio (TSR) shall be equal to or greater than 0.85 for 6 in. (150 mm) specimens. Mixtures, either with or without an additive, with TSRs less than 0.85 for 6 in. (150 mm) specimens will be considered unacceptable. Also, the conditioned tensile strength for mixtures containing an anti-strip additive shall not be lower than the original conditioned tensile strength determined for the same mixture without the anti-strip additive.

If it is determined that an additive is required, the additive may be hydrated lime, slaked quicklime, or a liquid additive, at the Contractor's option."

80245

HOT-MIX ASPHALT - DENSITY TESTING OF LONGITUDINAL JOINTS (BDE)

Effective: January 1, 2010

Description. This work shall consist of testing the density of longitudinal joints as part of the quality control/quality assurance (QC/QA) of hot-mix asphalt (HMA). Work shall be according to Section 1030 of the Standard Specifications except as follows.

Quality Control/Quality Assurance (QC/QA). Delete the second and third sentence of the third paragraph of Article 1030.05(d)(3) of the Standard Specifications.

Add the following paragraphs to the end of Article 1030.05(d)(3) of the Standard Specifications:

"Longitudinal joint density testing shall be performed at each random density test location. Longitudinal joint testing shall be located at a distance equal to the lift thickness or a minimum of 2 in. (50 mm), from each pavement edge. (i.e. for a 4 in. (100 mm) lift the near edge of the density gauge or core barrel shall be within 4 in. (100 mm) from the edge of pavement.) Longitudinal joint density testing shall be performed using either a correlated nuclear gauge or cores.

a. Confined Edge. Each confined edge density shall be represented by a one-minute nuclear density reading or a core density and shall be included in the average of density readings or core densities taken across the mat which represents the Individual Test.

b. Unconfined Edge. Each unconfined edge joint density shall be represented by an average of three one-minute density readings or a single core density at the given density test location and shall meet the density requirements specified herein. The three one-minute readings shall be spaced ten feet apart longitudinally along the unconfined pavement edge and centered at the random density test location."

Revise the Density Control Limits table in Article 1030.05(d)(4) of the Standard Specifications to read:

"Mixture Composition	Parameter	Individual Test (includes confined edges)	Unconfined Edge Joint Density Minimum
IL-9.5, IL-12.5	Ndesign ≥ 90	92.0 – 96.0%	90.0%
IL-9.5,IL-9.5L, IL-12.5	Ndesign < 90	92.5 – 97.4%	90.0%
IL-19.0, IL-25.0	Ndesign ≥ 90	93.0 – 96.0%	90.0%
IL-19.0, IL-19.0L, IL-25.0	Ndesign < 90	93.0 – 97.4%	90.0%
SMA	Ndesign = 50 & 80	93.5 – 97.4%	91.0%
All Other	Ndesign = 30	93.0 - 97.4%	90.0%"

RAISED REFLECTIVE PAVEMENT MARKERS (BDE)

Effective: November 1, 2009
Revised: April 1, 2010

Revise the first sentence of the second paragraph of Article 781.03(a) of the Standard Specifications to read:

> "The pavement shall be cut to match the bottom contour of the marker using a concrete saw fitted with 18 and 20 in. (450 and 500 mm) diameter blades."

80247

HOT-MIX ASPHALT – DROP-OFFS (BDE)

Effective: January 1, 2010

Revise the third paragraph of Article 701.07 of the Standard Specifications to read:

"At locations where construction operations result in a differential in elevation exceeding 3 in. (75 mm) between the edge of pavement or edge of shoulder within 3 ft (900 mm) of the edge of the pavement and the earth or aggregate shoulders, Type I or II barricades or vertical panels shall be placed at 100 ft (30 m) centers on roadways where the posted speed limit is 45 mph or greater and at 50 ft (15 m) centers on roadways where the posted speed limit is less than 45 mph."

80250

IMPROVED SUBGRADE (BDE)

Effective: January 1, 2010

Revise the second paragraph of Article 302.04 of the Standard Specifications to read:

"The quantity of modified soil constructed shall be limited to that which can be covered by the full thickness of portland cement concrete pavement or HMA binder during the same construction season."

Revise the first paragraph of Article 302.07 of the Standard Specifications to read:

"**302.07 Application of Modifier.** The modifier shall be applied uniformly on the soil. The application of modifier shall be limited to that amount which can be mixed with the soil within the same working day."

Revise the first paragraph of Article 302.08 of the Standard Specifications to read:

"**302.08 Mixing.** The modifier, soil, and water shall be thoroughly mixed. Mixing shall continue until a homogenous layer of the required thickness has been obtained and a minimum of 75 percent of the mixture is smaller than 1 in. (25 mm). The moisture content of the modified soil shall be above optimum moisture content with a maximum of three percent above optimum."

Revise Article 302.10 of the Standard Specifications to read:

"**302.10 Finishing and Curing.** When multiple lifts are used to construct the modified soil layer, the top lift shall be a minimum of 6 in. (150 mm) thick when compacted.

Construction of pipe underdrains shall follow the requirements of Article 407.07. The surface of the modified soil shall be kept drained according to Article 301.09 and shall maintain moisture content not exceeding three percent above optimum prior to pavement construction.

When compaction of the modified soil is nearing completion, the surface shall be shaped to the required lines, grades, and cross section shown on the plans. For HMA base course and pavement (full-depth) and portland cement concrete base course and pavement, the surface of the modified soil shall be brought to true shape and correct elevation according to Article 301.07, except well compacted earth shall not be used to fill low areas.

The modified soil shall be cured for a minimum of 24 hours. The ambient air temperature shall be above 45 °F (7 °C) during curing.

During the curing period, the moisture content of the modified soil shall be maintained at optimum by sprinkling with water, use of plastic sheeting, or applying bituminous materials according to Article 312.14. During this period, no equipment or traffic will be permitted on the completed work beyond that required for maintenance of curing.

Equipment of such weight, or used in such a way as to cause a rut depth of 1/2 in. (13 mm) or more in the finished modified soil, shall be removed, or the rutting otherwise prevented, as directed by the Engineer."

Revise the first paragraph of Article 302.11 of the Standard Specifications to read:

"**302.11 Subgrade Stability.** Following curing, the Engineer will determine the stability of the modified soil in terms of the immediate bearing value (IBV), according to Illinois Test Procedure 501. The IBV shall be a minimum of 10.0 measured within 10 calendar days prior to pavement construction."

Revise the second paragraph of Article 310.04 of the Standard Specifications to read:

"The quantity of lime stabilized soil mixture constructed shall be limited to that which can be covered by the full thickness of portland cement concrete pavement or HMA binder during the same construction season."

Revise the first paragraph of Article 310.08(a) of the Standard Specifications to read:

"(a) Initial Mixing. The lime, soil, and water shall be thoroughly mixed until a uniform mixture throughout the required depth and width is obtained. All clods and lumps shall be reduced to a maximum size of 2 in. (50 mm). The moisture content of the stabilized soil shall be above optimum moisture content with a maximum of three percent above optimum."

Insert the following paragraph after the first paragraph of Article 310.10 of the Standard Specifications:

"Construction of pipe underdrains shall follow the requirements of Article 407.07. The surface of the lime stabilized soil shall be kept drained according to Article 301.09 and shall maintain a maximum moisture content of three percent above optimum prior to pavement construction."

Revise the first paragraph of Article 310.11 of the Standard Specifications to read:

"**310.11 Subgrade Stability.** Following curing, the Engineer will determine the stability of the lime stabilized soil mixture in terms of the immediate bearing value (IBV) according to Illinois Test Procedure 501. The IBV shall be a minimum of 23.0 measured within 10 calendar days prior to pavement construction."

Revise the second paragraph of Article 311.05 of the Standard Specifications to read:

"The granular material shall be placed and compacted at least three days prior to the placement of pavement or base course. Except where required for temporary access, the quantity of subbase granular material Types A or B to be placed shall be limited to that which can be covered by the full thickness of PCC pavement or HMA binder during the same

construction season."

80252

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

COUNTY OF COOK

CHICAGO, ILLINOIS

PROPOSAL

For a County Highway Improvement in the County of Cook, State of Illinois,

known as Joe Orr Road (Relocated)

Route B67 Section 09-B6736-03-RP

From East of Stony Island Avenue To Torrence Avenue

Federal Project No. M-9003(741) Federal Job No. C-91-184-11

LOCATION OF IMPROVEMENT

The proposed improvement is part of the public highway system in the County of Cook, State of Illinois, located by section and route before mentioned, and is indicated on the map showing the County Highway System on file in the office of the County Clerk and also in the office of the Illinois Department of Transportation, Division of Highways, Springfield, Illinois.

The improvement to Joe Orr Road (Relocated) begins approximately 4,133 ft. west of the centerline of Torrence Avenue and extends in a southeasterly direction for a total distance of approximately 4,838 ft. (0.92 miles) to be improved along the proposed centerline of Joe Orr Road (Relocated) ending approximately 120 ft. east of the centerline of Torrence Avenue, approximately 1,400 ft. south of the existing intersection of Torrence Avenue and Joe Orr Road. The improvement to Torrence Avenue begins approximately 2,668 ft. south of the existing intersection of Torrence Avenue and Joe Orr Road along the centerline of Torrence Avenue; and extends in a northerly direction approximately 4,353 ft. (0.82 miles) to be improved ending approximately 766 ft. north of the centerline of Glenwood-Dyer Road. A total distance of approximately 813 ft. (0.15 miles) to be improved along Joe Orr Road (Old) at its intersection with Joe Orr Road (Relocated) near Bluestem Parkway is included for an approximate total distance of 10,005 ft. (1.89 miles) to be improved located within the Villages of Lynwood and Ford Heights in Bloom Township, Cook County, Illinois.

DESCRIPTION OF IMPROVEMENT

This is a Quality Control/Quality Assurance improvement utilizing Hot-Mix Asphalt (HMA) mixtures for the widening and resurfacing, and reconstruction of Joe Orr Road and Torrence Avenue to transition between the existing HMA and proposed HMA and PCC pavements to provide a 3-lane HMA pavement along Torrence Avenue, and a 5-lane PCC pavement along Joe Orr Road (Relocated) consisting of HMA surface course, HMA binder course, HMA full depth pavement, and aggregate subgrade including combination concrete curb and gutter; an enclosed drainage system, ditches, swales and a detention pond; box culverts and junction chambers; tree removal and earth excavation; new traffic signal installation at the intersection of Joe Orr Road (Relocated) at Torrence Avenue, and existing traffic signal modifications at the intersection of Torrence Avenue at Glenwood-Dyer Road; pavement markings and signage; landscaping including topsoil, seeding and sodding including sodded medians, and erosion control; detour routing and traffic protection, and other related road work to complete the improvement.

PROPOSAL AGREEMENTS

1. Examination. The undersigned declares that he has carefully examined the plans and specifications, the contract and surety bond forms, and also the site of the proposed improvement in order to understand the detailed requirements of construction and all the local conditions affecting the contract.

2. Performance. The undersigned proposes to furnish all labor, materials and equipment complete in place and to perform all work named and described in this proposal, together with all incidental work necessary to complete the improvement, in accordance with the plans and specifications herein referred to or hereto attached, for the sum of the products obtained by multiplying each of the estimated quantities tabulated in the schedule of prices by the respective unit price submitted.

3. Prices. The undersigned must show, in the Schedule of Prices, the unit prices for which he proposes to furnish the materials and perform the work for each quantity in the Schedule of Prices, that each unit price must be shown in figures, for example, $1.89, that the extension must be made by him, that the total summation of the extended amounts must be stated in the figures and that if not so done, his proposal may be rejected as irregular. The undersigned agrees that the unit prices submitted are only for the proposal of obtaining a gross amount, and for arriving at the contract price. Should any discrepancy occur between the gross amount submitted and the one resulting from the sum of the products obtained by multiplying the quantities by their respective unit prices, the latter sum shall apply.

4. Contract. The undersigned agrees to execute a contract covering the performance of the work and the furnishing of materials for the construction of the proposed improvement in the form prescribed by the Board of County Commissioners and hereto attached, within fifteen (15) days from the date of acceptance of this proposal.

5. Surety Bond. Before entering into a contract for the construction of the proposed improvement, the undersigned agrees, at his own cost, to furnish and execute a surety bond in the form prescribed by the Board of County Commissioners and hereto attached in the amount of one hundred per cent (100%) of the contract price, with a Surety Company to be approved by said Board of County Commissioners, guaranteeing that the Contractor will construct the proposed improvement in full accordance with the terms of the contract and that he will start construction operations and complete the proposed improvement within the time specified in the contract.

6. Proposal Guaranty. The undersigned encloses, as a guaranty of good faith to enter into a contract for the construction of the proposed improvement, a bank cashier's check, bank draft, certified check or Bid Bond for: the amount indicated in Special Provision, Proposal Guaranty, Section 102.09; payable to the TREASURER OF COOK COUNTY. The undersigned understands that the checks of all except the two (2) lowest bidders who meet the requirements for bidders will be returned within three (3) days after opening of proposals, while the remainder of the checks will be returned when the executed contract and surety bond have been approved. The undersigned understands that failure on the part of the bidder who submits the Proposal accepted by The Board of County Commissioners to execute a contract and surety bond within (15) days from the date of acceptance shall be considered just cause for the retention by said County of the proposal guaranty as payment for liquidated damages sustained by the County of Cook as the result of such failure and the annulment of the acceptance of the proposal. In the event of acceptance of this

proposal by the Board of County Commissioners the undersigned agrees to the following requirements:

7. Performance. The undersigned agrees to furnish all labor materials and equipment complete in place and to perform all work named and described in this proposal together with all incidental work necessary to complete the improvement in accordance with the plans and specifications herein referred to or hereto attached for the sum of the products obtained by multiplying each of the estimated quantities tabulated in the Schedule of the Prices by the respective unit price submitted.

8. Quantities. The undersigned declares that he understands that the estimated quantities tabulated in the Schedule of Prices are approximate only being subject to increase or decrease and that he will take in full payment therefore the amount of the summation of the products of the actual quantities as finally determined multiplied by the respective unit prices shown in the Schedule of Prices.

9. Changes in Improvement. The undersigned agrees that in case the County Superintendent of Highways of the County of Cook decides either to extend or decrease the area of the proposed improvement or to do both or otherwise alter it by extras or deductions including the elimination of any one or more of the quantities listed in the Schedule of Prices the undersigned will make such change in the contract price by adding or subtracting 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.

10. Date of Start and Completion. The contractor will not be permitted to begin the on site construction for this contract until **March 12, 2012.** All necessary submittals and the ordering of materials shall be undertaken prior to N/A to insure prompt completion of the project. The Contractor shall not begin construction operations until the contract has been approved by the Board of Cook County Commissioners. As soon as this approval is received, the Contractor will be notified by letter mailed to Contractor at the address given above, by the County Superintendent of Highways of The County of Cook, to commence operations on a specified date. The undersigned agrees to start construction operations on the date so specified and to complete the proposed improvement in full compliance with the contract on or before **November 16, 2012.**

11. Forfeit of Contract. The undersigned agrees that for failure or neglect to prosecute the same diligently in such manner as in the opinion of said County Superintendent of Highways is necessary for the completion of the proposed improvement within the time herein specified, or for his failure or neglect to keep and perform any of the agreements in this proposal specified to be kept and performed by him, the board of County Commissioners may at its option declare this contract forfeited and terminate all the rights of the Contractor hereunder.

Proposal submitted by:

Name: D. Construction, Inc

Address: 1488 S Broadway

City, State, Zip: Coal City, IL 60416

Phone: (815) 634-2555 Fax: (815) 634-8748

E-mail: everett.leasure@dconstruction.net

ECONOMIC DISCLOSURE STATEMENT AND EXECUTION DOCUMENTS
INDEX

Section	Description
Instructions	Instructions for Completion of Economic Disclosure Statement
1	DBE Utilization Plan DBE Participation Statement
2	Letter of Intent from DBE to Perform as Subcontractor, Supplier and/or Consultant
3	Petition for Reduction/Waiver of DBE Participation Goals
4	Contractor Certifications
5	Economic and Other Disclosures Affidavit of Child Support Obligations Disclosure of Ownership Interest
6	Certification Concerning Labor Standards

INSTRUCTIONS FOR COMPLETION OF ECONOMIC DISCLOSURE STATEMENT AND EXECUTION DOCUMENT

This Economic Disclosure Statement and Execution Document ("EDS") is to be completed and executed by every Bidder on a County contract, every party responding to a Request for Proposals or Request for Qualifications "(Proposer"), and others as required by the Purchasing Agent. If the Undersigned is awarded a contract pursuant to the procurement process for which this EDS was submitted (the "Contract"), this Economic Disclosure Statement and Execution Document shall stand as the Undersigned's execution of the Contract.

Definitions. Capitalized terms used in this EDS and not otherwise defined herein shall have the meanings given to such terms in the Instructions to Bidders, General Conditions, Request for Proposals, and Request for Qualifications, or other documents, as applicable.

"Affiliated Entity" means a person or entity that, directly or indirectly: controls the Bidder, is controlled by the Bidder, or is, with the Bidder, under common control of another person or entity. Indicia of control include, without limitation, interlocking management or ownership; identity of interests among family members; shared facilities and equipment; common use of employees; and organization of a business entity following the ineligibility of a business entity to do business with the County under the standards set forth in the Certifications included in this EDS, using substantially the same management, ownership or principals as the ineligible entity.

"Bidder," "Proposer," "Undersigned," or ***"Applicant,"*** is the person or entity executing this EDS. Upon award and execution of a Contract by the County, the Bidder, Proposer, Undersigned or Applicant, as the case may be, shall become the Contractor or Contracting Party.

"Proposal," for purposes of this EDS, is the Undersigned's complete response to an RFP/RFQ, or if no RFQ/RFP was issued by the County, the "Proposal" is such other proposal, quote or offer submitted by the Undersigned, and in any event a "Proposal" includes this EDS.

"Code" means the Code of Ordinances, Cook County, Illinois available through the Cook County Clerk's Office website (http://www.cookctyclerk.com/sub/ordinances.asp). This page can also be accessed by going to www.cookctyclerk.com, clicking on the tab labeled "County Board Proceedings," and then clicking on the link to "Cook County Ordinances."

"Contractor" or ***"Contracting Party"*** means the Bidder, Proposer or Applicant with whom the County has entered into a Contract.

"EDS" means this complete Economic Disclosure Statement and Execution Document, including all sections listed in the Index and any attachments.

"Lobby" or "lobbying" means to, for compensation, attempt to influence a County official or County employee with respect to any County matter.

"Lobbyist" means any person or entity who lobbies.

"Prohibited Acts" means any of the actions or occurrences which form the basis for disqualification under the Code, or under the Certifications hereinafter set forth.

Sections 1 through 3: DBE Documentation. Sections 1 and 2 must be completed in order to satisfy the requirements of the County's DBE Ordinance, as set forth in the Contract Documents, if applicable. If the Undersigned believes a waiver is appropriate and necessary, Section 3, the Petition for Waiver of DBE Participation must be completed.

Section 4: Certifications. Section 4 sets forth certifications that are required for contracting parties under the Code. Execution of this EDS constitutes a warranty that all the statements and certifications contained, and all the facts stated, in the Certifications are true, correct and complete as of the date of execution.

Section 5: Economic and Other Disclosures Statement. Section 5 is the County's required Economic and Other Disclosures Statement form. Execution of this EDS constitutes a warranty that all the information provided in the EDS is true, correct and complete as of the date of execution, and binds the Undersigned to the warranties, representations, agreements and acknowledgements contained therein.

Sections 6, 7, 8: Execution Forms. The Bidder executes this EDS, and the Contract, by completing and signing three copies of the appropriate Signature Page. Section 6 is the form for a sole proprietor; Section 7 is the form for a partnership or joint venture; and Section 8 is the form for a corporation. Proper execution requires **THREE (3) ORIGINALS**; therefore, the appropriate Signature Page must be filled in, three copies made, and all three copies must be properly signed, notarized and submitted. The forms may be printed and completed by typing or hand writing the information required. The County is in the process of converting these forms into a format that may be downloaded and completed on the user's computer. Once this feature is available, those having the necessary software may follow the instructions set forth below under the heading "Instructions for Completing PDF Forms."

Required Updates. The information provided in this EDS will be kept current. In the event of any change in any information provided, including but not limited to any change which would render inaccurate or incomplete any certification or statement made in this EDS, the Undersigned will supplement this EDS up to the time the County takes action, by filing an amended EDS or such other documentation as is requested.

Additional Information. The County's Governmental Ethics and Campaign Financing Ordinances, impose certain duties and obligations on persons or entities seeking County contracts, work, business, or transactions. For further information please contact the Director of Ethics at (312) 603-4304 (69 W. Washington St. Suite 3040, Chicago, IL 60602) or visit our web-site at www.cookcountygov.com and go to the Ethics Department link. The Bidder must comply fully with the applicable ordinances.

DBE Utilization Plan Analysis

Compliance Officer Initials: SS	Bid Opening Date: November 30, 2011 CC Received Date: February 8, 2012 Compliance Officer Review Date: February 9, 2012
Contract Title: Joe Orr Road – East of Stony Island to Torrence Avenue Section No.: 09-B6736-03-RP	Contract DBE Goal: 20% Term of Contract: N/A Requesting Department: Cook County Highway Department
Prime Contractor: D Construction, Inc.	Bid Amount: $7,181,814.19
Contact Person: Rob Male	Telephone #: (815)634-2555

DBE PARTICIPATION

Company Name	Dollars ($)	%	Anniversary	LOI (D/I)
1. J. Jasso Trucking	$ 383,713.50	5.34	4/1/2013	D
2. Laredo Systems	270,422.65	3.77	7/1/2014	D
3. Marking Specialists Corp.	68,447.60	0.95	3/1/2014	D
4. M.D. Miller Trucking and Topsoil Inc.	100,092.30	1.39	6/1/2014	D
5. Mosley Construction, Inc.	332,163.25	4.63	9/1/2016	D
6. R.A. Seaton Contractor	317,442.52	4.42	5/1/2012	I
TOTAL:	$ $1,472,281.82	20.50		

Scope of Services provided by DBE (1): Hauling
Scope of Services provided by DBE (2): Landscaping
Scope of Services provided by DBE (3): Pavement Markings
Scope of Services provided by DBE (4): Non Special Waste Disposal
Scope of Services provided by DBE (5): Miscellaneous Concrete Work
Scope of Services provided by DBE (6): Storm Sewer Supplier

FINDINGS

- Utilization Plan
  - J. Jasso Trucking as a participant for $383,713.50 (5.34%)
  - Laredo Systems as a participant for $270,422.65 (3.77%)
  - Marking Specialists Corp. as a participant for $68,447.60 (0.95%)
  - M.D. Miller Trucking and Topsoil Inc. as a participant for $100,092.30 (1.39%)
  - Mosley Construction, Inc.as a participant for $332,163.25 (4.63%)
  - R.A. Seaton Contractor as a participant for $317,442.52 (4.42%)

- Letter of Intent
  - Submitted and completed in its entirety by both the Prime Contractor and the DBE Subcontractors.

COMMENTS and RECOMMENDATIONS:

- D Construction, Inc. has met the 20% DBE participation and thus being recommended for award of this contract

Office Manager Review:

Approved: LaVerne Hall
Contract Compliance Director

Initials: LH Date: 2/9/12

COOK COUNTY HIGHWAY DEPARTMENT

DBE SUMMARY SHEET

CONTRACTOR: D Construction, Inc.

DATE: December 14, 2011

PROJECT: Joe Orr Road - E. of Stony Island to Torrence

SECTION NO: 09-B6736-03-RP

CONTRACT VALUE: $7,181,814.19
DBE REQUIREMENTS: 20.0%

DBE CONTRACTOR	CERTIFICATION	AMOUNT	PERCENT OF CONTRACT
J. Jasso Trucking	IUCP, Updated 11/22/2011, P. 152 *Anniversary: 4/1/2013*	$383,713.50	5.34%
Laredo Systems	IUCP, Updated 11/22/2011, P. 175 *Anniversary: 7/1/2014*	$270,422.65	3.77%
Marking Specialists Corp.	IUCP, Updated 11/22/2011, P. 189 *Anniversary: 3/1/2014*	$68,447.60	0.95%
M.D. Miller Trucking & Topsoil, Inc.	IUCP, Updated 11/22/2011, P. 184 *Anniversary: 6/1/2014*	$100,092.30	1.39%
Mosley Construction, Inc.	IUCP, Updated 11/22/2011, P. 209 *Anniversary: 9/1/2016*	$332,163.25	4.63%
R.A.Seaton Contractor	IUCP, Updated 11/22/2011, P. 248 *Anniversary: 5/1/2012*	$317,442.52	4.42%
	TOTAL	**$1,472,281.82**	**20.50%**

ES: _____

X MEET DBE GOAL

_____ FAIL TO MEET DBE GOAL

IL Department of Transportation (IDOT)
2300 S. Dirksen Parkway
Springfield, IL 62764
(217) 782-5490
www.dot.state.il.us

City of Chicago - Office of Compliance
333 S. State St., Suite 540
Chicago, IL 60604
(312) 747-7778
www.cityofchicago.org/compliance

Chicago Transit Authority (CTA)
P.O. Box 7562
Chicago, IL60680
(312) 681-2601
www.transitchicago.com

Metra
547 W. Jackson Boulevard
Chicago, IL 60661
(312) 322-6323
www.metrarail.com

Pace
550 W. Algonquin Road
Arlington Heights, IL 60005
(847) 228-2439
www.pacebus.com

ILLINOIS UNIFIED CERTIFICATION PROGRAM

Complete Directory Sorted by Firm Showing:

Address
Email
Specialty

Generated on: 11/22/2011

J. Hernandez Trucking 877

Juan Hernandez
2505 N. Elmwood Ave.
Waukegan, IL 60087

Phone: (847) 875-4057
Fax: (847) 662-9296
1,2,3

Anniversary: 4/1/2015

Category: **Trucking**

NAICS	Specialty
484220-Specialized Freight (except Used Goods) Trucking, Local	484220-TRUCKING

J. Jasso Trucking Co. 878

Jose Jasso
5719 S. Homan Ave.
Chicago, IL 60629

Phone: (773) 434-3051
Fax: (773) 434-3241
jjassotrucking@yahoo.com
1

Anniversary: 4/1/2013

Category: **Trucking**

NAICS	Specialty
484220-Specialized Freight (except Used Goods) Trucking, Local	484220-TRUCKING

J. Jones Tree Service 879

Jimmie Jones
P. O. Box 715
2424 N. Lehman Rd.
Peoria, IL 61652

Phone: (309) 251-0365
Fax:
4

Anniversary: 12/1/2014

Category: **Construction**

NAICS	Specialty
238910-Site Preparation Contractors	238910-TREE TRIMMING AND SELECTIVE TREE REMOVAL

J. P. Simons & Co. 880

Jean Simons Bradfield
1426 Brook Dr.
Downers Grove, IL 60515

Phone: (630) 693-0300
Fax: (630) 693-0306
jean@jpsimons.net
1,2,3,4

Anniversary: 10/1/2014

Category: **Supplier**

NAICS	Specialty
444190-Other Building Material Dealers	444190-ELECTRICAL SUPPLY - WAREHOUSED

J.A. Watts Inc. 881

Julie Watts
222 South Morgan, Suite 4A
Chicago, IL 60607-0000

Phone: 312-997-3720
Fax: 312-997-3726
jwatts@jwincorporated.com
District 1

Anniversary: 5/1/2014

Category: **Professional**

NAICS	Specialty
541611-Management Consulting Services; 926150-Regulation, Licensing, and Inspection of Miscellaneous Commercial Sectors	Construction Inspection; Project Management; Program Mangagement

J.A.C.K. Coffey, LLC 882

Audrey Coffey
22W271 Lawrence Ave.
Medinah, IL 60157

Phone: (630) 351-9223
Fax: (630) 351-9232
jcgradall@sbcglobal.net
1,2,3

Anniversary: 5/1/2014

Category: **Supplier, Construction**

NAICS	Specialty
237310-Highway, Street, & Bridge Construction; 238910-Site Preparation Contractors; 532412-Construction Equipment Rental w/o Operator	237310-TEMPORARY BARRIER WALL INSTALLATION; 238910-DEMOLITION; 532412-MISC: HYDRAULIC EXCAVATOR RENTAL

Landry Consulting, LLC. 1014

Joanne Landry
4433 28TH PL W
SEATTLE, WA 98199-0000

Phone: 206-420-3361
Fax: 888-485-2388
joanne@landryconsultants.com
District 1,2,3,4,5,6,7,8,9

Anniversary: 10/20/2015

Category: **Professional**

NAICS
541512-Computer Systems Design and Related Services;
541690-Other Scientific and Technical Consulting Services

Specialty
541512-AVIATION AND INFORMATION TECHONOLGY CONSULTING IN SAFETY MANAGEMENT SYSTEMS;
541690-RISK ASSESSMENTS AND TRAINING

Langley Traffic Service, Inc. 1015

Nancy Langley
2777 US Route 1
Trevose, PA 19053-0000

Phone: 215-638-9770
Fax: 215-638-9255
ann@langley1.us
District 1

Anniversary: 6/26/2013

Category: **Trucking**

NAICS
484110-General Freight Trucking, Local;
484121-General Freight Trucking, Long-Distance

Specialty
484110,484121-TRANSPORTATION (TRUCKING COMMODITIES THROUGHOUT U.S. VIA VANS;
FLATBEDS & SPECIALIZED EQUIPMENT) WITH EMPHASIS IN LONG DISTANCE INTERSTATE TRUCKLOAD OR PARTIAL TRUCKLOAD QUANTITIES

Lannie Jones Excavation, LLC 1016

Lannie Jones
8311 1/2 Unionville Rd.
Brookport, IL 62910

Phone: (270) 832-0985
Fax: (618) 564-3506
jonesexcavation@yahoo.com
6,8,9

Anniversary: 11/1/2016

Category: **Construction**

NAICS
238910-Site Preparation Contractors

Specialty
238910-DEMOLITION;
CLEARING AND GRUBBING;
EXCAVATING & GRADING

Lap Services & Solutions LLC. 1017

Lora Powell
747 W. 15th Street
Chicago, IL 60607-0000

Phone: 312-268-4090
Fax: 312-243-8829
ylong@lapsstech.com
District 1, 2, 3, 4, 5, 6, 7, 8, 9

Anniversary: 7/25/2015

Category: **Professional**

NAICS
541519-Computer Systems Design and Related Services

Specialty
541519-INFORMATION TECHNOLOGY CONSULTING SERIVCES SPECIALIZING IN IT PRODUCTS AND SOLUTIONS

Laredo Systems 1018

Enrique Jaime
11933 County Line Rd.
Garden Prairie, IL 61038-9607

Phone: 815-544-0454
Fax: 815-544-1088
larsys2@yahoo.com
District 1

Anniversary: 7/1/2014

Category: **Miscellaneous**

NAICS
561730 - LANDSCAPING SERVICES.

Specialty
561730 -LANDSCAPING SERVICES.

LaRocco Enterprises, Inc. 1019

Claire V. LaRocco
P. O. Box 130
601 E. Edgar Ave.
Ronceverte, WV 24970

Phone: (304) 647-5913
Fax: (304) 647-3778
lpaulin@greenbrierww.com
1,2,3,4,5,6,7,8,9

Anniversary: 5/1/2011

Category: **Manufacturer**

NAICS
321918-Other Millwork (including Flooring)

Specialty
321918-MANUFAC.: CUSTOM ARCHITECTURAL WOODWORK

Market Contracting Services, Inc.

1096

J. Antonio Oliva
4201 W. 36th St. - STE 310
Chicago, IL 60632-3800

Phone: 773-321-7248
Fax: 773-650-1576
antonio@marketcontracting.com
District 1

Anniversary: 2/1/2015

Category: **Construction**

NAICS

236220 - COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION;
238350 - FINISH CARPENTRY CONTRACTORS;
238320 - PAINTING AND WALL CIVERING OCNTRACTORS;
238310 - DRYWALL AND INSULATION CONTRACTORS;
238130 - FRAMING CONTRACTORS;
238330 - FLOORING CONTRACTORS.

Specialty

236220 -GENERAL CONTRACTOR:238350 -CARPENTRY;
238320 -PAINTING;
238310 -DRYWALL, ACOUSTICAL CEILINGS;
238130 -WALL PANEL SYSTEMS, HM DOORS;
238330 -FLOORING .

Market International Insurance Agency

1097

Lisel Garcia
1020 Plain St., Ste. 320
Marshfield, MA 02050

Phone: (781) 834-3311
Fax: (781) 834-3322
lgarcia@marketinternational.com
1,2,3,4,5,6,7,8,9

Anniversary: 11/1/2015

Category: **Professional**

NAICS

524126-Direct Property and Casualty Insurance Carriers

Specialty

524126-MISC: INSURANCE & PERFORMANCE BONDS

Marking Specialists Corporation

1098

Alfredo Zavala
P. O. Box 745
555 Sundown Rd.
Arlington Heights, IL 60005

Phone: (847) 608-6614
Fax: (847) 608-6615
bob@markingspecialists.net
1,2,3

Anniversary: 3/1/2014

Category: **Construction**

NAICS

237310-Highway, Street, & Bridge Construction

Specialty

237310-PAVEMENT MARKING: POLYUREA;
PAVEMENT MARKING: THERMOPLASTIC HAND;
PAVEMENT MARKERS RAISED;
PAVEMENT MARKING: PAINT

Marks Movers & Storage, Inc.

1099

Debara R Marks
3301 East End Ave.
Chicago Heights, IL 60411-0000

Phone: 708-756-2000
Fax: 708-756-2091
marksmovers@aol.com
District 1

Anniversary: 6/30/2013

Category: **Miscellaneous**

NAICS

484110-General Freight Trucking, Local;
484210-Used Household and Office Goods Moving

Specialty

Intrastate Trucking;
Moving and Storage Services

Mars Solutions Inc.

1100

Smita Gharia
1735 Chalmette Court
Naperville, IL 60565-4403

Phone: 630-995-9877
Fax: 630-995-9877
agharia@marssolutionsinc.com
District 1

Anniversary: 6/1/2014

Category: **Professional, Miscellaneous**

NAICS

541511-Computer Systems Design and Related Services;
541512-Computer Systems Design and Related Services;
541519-Computer Systems Design and Related Services

Specialty

Computer Hardware Consulting;
Computer Software Consulting;
Computer Adided Design Software;
Computer Programming Software Consulting;
Computer Software Maintenance and Support;
Web Page Design Services;
Computer Programming Consulting;
Software Inst

M Squared Engineering, LLC 1066

Minal Hahm
W62 N215 Washington Ave.
2355 Lakeside Dr.
Cedarburg, WI 53012

Phone: (262) 376-4246
Fax: (262) 375-2274
minal@msquaredengineering.com
1,2

Anniversary: 5/1/2013

Category: **Architecture**

NAICS
541330-Engineering Services

Specialty
541330-LOCATION DRAINAGE; WATERWAYS: TYPICAL

M. Cannon Roofing Co., LLC 1067

Mark T. Cannon
1238 Remington Road
Schaumburg, IL 60173

Phone: 847-519-0698
Fax: 847-519-0870
mark@mcannonroofing.com
District 1

Anniversary: 3/3/2015

Category: **Construction**

NAICS

Specialty
Specialty Trade Contractors: Roofing contractors (NAICS: 238160)

M. D. Miller Trucking & Topsoil, Inc. 1068

Marlene D. Miller
909 Wildflower Dr.
Shorewood, IL 60404

Phone: (815)-254-4966
Fax: (815)-254-4977
miltruck1993@sbcglobal.net
1,3

Anniversary: 6/1/2014

Category: **Trucking**

NAICS
484220-Specialized Freight (except Used Goods) Trucking, Local

Specialty
484220-TRUCKING

M. Davis and Company, Inc. 1069

Morris Davis
1520 Locust Street
3rd Floor
Philadelphia, PA 19102

Phone: 215-790-8900
Fax: 215-790-8930
info@mdavisco.com
District 1

Anniversary: 1/4/2016

Category: **Professional**

NAICS

Specialty
NAICS Code:541910 - Marketing Research & Public Opinion Polling, NAICS Code 561421 - Telephone Answering Serivices, NAICS Code 541613 - Marketing Consulting Services, NAICS Code 541720 - Research & Development in the Social Sciences & Humanities

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M. E. C. Transport, Incorporated 1070

Edward Rodriguez
514 Forest Mews Dr.
Oak Brook, IL 60523-2618

Phone: 630-323-2302
Fax: 630-323-9684
mectransport@comcast.net
District 1

Anniversary: 10/1/2011

Category: **Trucking**

NAICS
484220 - SPECIALIZED FREIGHT (EXCEPT USED GOODS) TRUCKING, LOCAL.

Specialty
484220 -TRUCKING

M. L. Vasquez, Inc. 1071

Rodney Vasquez
2430 Beckmann Rd.
Lenzburg, IL 62255

Phone: (618)-475-3171
Fax: (618)-475-3361
vasquez@wisperhome.com
7,8,9

Anniversary: 8/1/2012

Category: **Construction**

NAICS
238140-Masonry Contractors

Specialty
238140-MISC: MASONRY

Morreale Public Affairs Group, Inc. 1210

Kim M. McAuliffe
8770 W, Bryn Mawr Ave. - STE 130
Chicago, IL 60631-3557

Phone: 773-867-8564
Fax: 312-277-7477
kim@morrealepag.com
District 1

Anniversary: 10/1/2014
Category: **Professional**

NAICS	Specialty
541820 - PUBLIC RELATIONS AGENCIES; 561920 - CONVENTION AND TRADE SHOW ORGANIZERS.	541820 -MEDIA AND GOVERNMENT RELATIONS; 561920 -EVENT PLANNING.

Morrissey Contracting Company, Inc. 1211

Barbara Morrissey McGrew
P. O. Box 67
703 Southmoor Pl.
Godfrey, IL 62035

Phone: (618)-466-9006
Fax: (618)-466-9558
mccpainter@morrisseycontracting.com
5,6,7,8,9

Anniversary: 10/1/2013
Category: **Construction**

NAICS	Specialty
237310-Highway, Street, & Bridge Construction; 238320-Painting and Wall Covering Contractors; 238910-Site Preparation Contractors	237310-MISCELLANEOUS CONCRETE; 238320-PAINTING, MISCELLANEOUS; 238910-SANDBLASTING

Mosley Construction Inc. (Illinois) 1212

Jobie Mosley
2530 S. 14000 E. Rd.
450 Prairie Ave., Ste. 107
Pembroke Twp., IL 60958

Phone: (815) 944-5610
Fax: (815) 944-5675
jobiemosley@aol.com
1,2,3

Anniversary: 9/1/2016
Category: **Construction**

NAICS	Specialty
237310-Highway, Street, & Bridge Construction; 238910-Site Preparation Contractors	237310-PAVEMENT PATCHING; AGGREGATE BASES & SURFACES; BITUMINOUS PAVING; CURB & GUTTER, SIDEWALKS; MISCELLANEOUS CONCRETE; 238910-EXCAVATING & GRADING

Motrk, Inc. 1213

Philip Fuentes
5700 South Cicero
Chicago, IL 60638-0000

Phone: 773-550-1236
Fax: 773-631-1730
District 1

Anniversary: 3/1/2014
Category: **Miscellaneous**

NAICS	Specialty
722211-Limited-Service Eating Places	Food and Beverage Concessions (McDonald's Restaurant)

Mozo Inc. 1214

Okeke Okoye
182 East 154th Street, Suite 7
Harvey, IL 60426-0000

Phone: 708-228-0511
Fax: 708-225-0772
mozoinc@aol.com
District 1

Anniversary: 10/1/2012
Category: **Construction**

NAICS	Specialty
238140-Masonry Contractors; 238310-Drywall and Insulation Contractors; 238340-Tile and Terrazzo Contractors; 238350-Finish Carpentry Contractors	CARPENTRY MAINTENANCE AND REPAIR SERVICES CARPENTRY; MASONRY AND CONCRETE MAINT. AND REPAIR (INCL. INSIDE CONCRETE SAWING WORK); TILE AND STONE (INCLUDES GRANITE, MARBLE, AND TERRAZZO), RESTORATION, REFURBISHING, MAINTENANCE AND REPAIR; WALL AND CEILING

R & R Glass and Windows, Inc. 1433

Christian Blanco
3541 North Kenton Avenue
Chicago, IL 60641-0000

Phone: 773-481-3992
Fax: 773-481-5997
chris@rrglasswindows.com
District 1

Anniversary: 6/1/2015

Category: **Construction, Miscellaneous**

NAICS
238150-Glass and Glazing Contractors;
238350-Finish Carpentry Contractors

Specialty
NAICS 238150 Glass and Glazing Contractors NAICS 238150 Glass installation (except automotive) contractors NAICS 238350 Window installation

R & V Trucking Inc. 1434

Reginald Clay
P. O. Box 6222
2023 Medinah Circle
Elgin, IL 60121

Phone: (224) 567-0808
Fax: (847) 531-1740
rvcleanoutservices@gmail.com
1,2,3,4

Anniversary: 8/1/2016

Category: **Trucking**

NAICS
484220-Specialized Freight (except Used Goods) Trucking, Local

Specialty
484220-TRUCKING

R G S Construction Inc. 1435

Robin Stanley
P. O. Box 549
534 Bedford Rd., Ste. G
Morris, IL 60450

Phone: (815) 824-6742
Fax: (866) 476-8653
rgsconstruction1@yahoo.com
1,3,4,5

Anniversary: 8/1/2016

Category: **Trucking, Construction**

NAICS
237310-Highway, Street, & Bridge Construction;
238910-Site Preparation Contractors;
484220-Specialized Freight (except Used Goods) Trucking; Local

Specialty
237310-MISC: CLEAN/SEAL CRACKS & JOINTS;
SEAL COAT;
238910-EXCAVATING & GRADING;
CLEARING AND GRUBBING;
484220-TRUCKING

R. A. Seaton Contractor Services, LLC 1436

Rebecca A. Seaton
1467 McKinley Ave.
Belvidere, IL 61008

Phone: (815) 520-4812
Fax: (815) 547-7766
raseatoncontractor@gmail.com
1,2,3,4

Anniversary: 5/1/2012

Category: **Trucking, Supplier, Construction**

NAICS
423510-Metal Service Centers and Other Metal Merchant Wholesalers;
484220-Specialized Freight (except Used Goods) Trucking, Local;
561730-Landscape Services

Specialty
423510-REG DEALER/AUTHORIZED DISTR - PIPE;
484220-TRUCKING;
561730-LANDSCAPING

R. M. Scott, LLC 1437

Robert Scott
P. O. Box 3313
9 Estelle Ln.
East St. Louis, IL 62203-3313

Phone: (618) 398-2796
Fax: (618) 398-2796
rms01@charter.net
8

Anniversary: 1/1/2015

Category: **Trucking**

NAICS
484220-Specialized Freight (except Used Goods) Trucking, Local

Specialty
484220-TRUCKING

R. McMillin Truck Service, Inc. 1438

Marjorie R. Gavin
8667 U.S. Hwy. 50
Lebanon, IL 62254

Phone: (618)-632-1331
Fax: (618)-632-2730
marge226@att.net
8

Anniversary: 5/1/2014

Category: **Trucking**

NAICS
484220-Specialized Freight (except Used Goods) Trucking, Local

Specialty
484220-TRUCKING

"D" CONSTRUCTION, INC.
General Contractor
1488 South Broadway Street
Coal City, IL 60416
PH (815) 634-2555
FAX (815) 634-8748

SUBMITTAL TRANSMITTAL

TO: Cook County Department of Highways
69 West Washington
Chicago, IL

DATE: December 9, 2011

JOB#: Cook County Contract #11-28-160

ATTN: Elaine McClaughlin

RE: Joe Orr Road

WE ARE SENDING YOU: X Attached _____ Under separate cover via

x Shop Drawings ___ Prints ___ Plans ___ Specifications

___ Copy of Letter ___ Change Order ___ Samples ___ Other

COPIES	DATE	NUMBER	DESCRIPTION
1	12/9/11	001	DBE Utilization Plan

THESE ARE TRANSMITTED as checked below:

X For Your Approval ___ Approved as Submitted ___ Resubmit ___ As Requested

___ For Your Use ___ Approved as Noted ___ Corrected Prints ___ Copies for Distribution

REMARKS:

RECEIVED OFFICE OF CONTRACT DOCUMENTS
2011 DEC -9 AM 11:52
COOK COUNTY HIGHWAY DEPARTMENT

COPY TO: FILE

SIGNED _____
Everett Leasure

If enclosures are not as noted, please notify us at once.

COOK COUNTY DEPARTMENT OF HIGHWAYS

DBE Utilization Plan

(1) Policy

It is public policy that disadvantaged businesses as defined in 49 CFR Part 26 and the Special Provision shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with Federal or State funds. Consequently the requirements of 49 CFR Part 26 apply to this contract.

(2) Obligation

The contractor agrees to ensure that disadvantaged businesses as defined in 49 CFR Part 26 and the Special Provision have the maximum opportunity to participate in the performance of contracts or subcontracts financed in whole or in part with Federal or State funds. The contractor shall take all necessary and reasonable steps in accordance with 49 CFR Part 26 and the Special Provision to ensure that said businesses have the maximum opportunity to compete for and perform under this contract. The contractor shall not discriminate on the basis of race, color, national origin or sex in the award and performance of contracts.

(3) Project and Bid Identification

Complete the following information concerning the project and bid:

Route: 367

Section: 09-06736-03-RP

Project: Joe Orr Road (Rebacked)

County: Cook

Letting Date: November 30th, 2011

Total Bid: $7,181,814.19

Contract DBE Goal: 20% (Percent) $1,436,362.84 (Dollar Amount)

(4) Assurance

I, acting in my capacity as an officer of the undersigned bidder (or bidders if a joint venture), hereby assure the Department that on this project my company : (check one)

☒ Meets or exceeds contract award goals and has provided documented participation as follows:

Disadvantaged Business Participation 20.56 percent

Attached are the signed participation statements, forms SBE 2025, required by the Special Provision evidencing availability and use of each business participating in this plan and assuring that each business will perform a commercially useful function in the work of the contract.

☐ Failed to meet contract award goals and has included good faith effort documentation to meet the goals and that my company has provided participation as follows:

Disadvantaged Business Participation _____ percent

The contract goals should be accordingly modified or waived. Attached is all information required by the Special Provision in support of this request including good faith effort. Also attached are the signed participation statements, forms SBE 2025, required by the Special Provision evidencing availability and use of each business participating in this plan and assuring that each business will perform a commercially useful function in the work of the contract.

S Construction, Inc.
Company

By: Rob Wale

Title: Project Manager - DBE Procurement

Phone: (815) 634-2555

Fax: (815) 634-8748

Date: 12-7-11

The "as read" Low Bidder is required to comply with the Special Provision.

Submit only one utilization plan for each project. The utilization plan shall be submitted in accordance with the special provision.

Cook County Department of Highways
Contract Documents
69 West Washington Street - Suite 2200
Chicago, IL 60602

The Cook County Highway Department is requesting disclosure of information that is necessary to accomplish the purpose as outlined under State and Federal law. Disclosure of this information is MANDATORY. Failure to provide any information will result in the contract not being awarded. This form has been approved by the State Forms Manager Center.

SBE 2025 (Rev. CCHD 4/11)

COOK COUNTY LETTER OF INTENT
(Section 2)

FROM DBE TO PERFORM AS SUBCONTRACTOR, SUPPLIER AND/OR CONSULTANT

Contract Title & Number: Joe Orr Road Relocated 09-06736-03-RP

From: J. Jasso Trucking (DBE Firm)

To: "D" Construction, Inc. (Bidder/Proposer Firm) and the County of Cook

The Undersigned is prepared to provide the following services, supplies and project in connection with the above named contract (the "Contract"): Each service performed and /or item supplied will be detailed under Description of Service/Supply and Project with all services/items totaled under Fee/Cost to equal the full dollar amount of the Letter of Intent. **This form must be completed for each disadvantaged business participating in the Utilization Plan. Attach this form to the Utilization Plan form. If additional space is needed, complete an additional form for the firm.**

Pay Item No.	Description	Quantity	Fee/Cost	
Various	Trucking only (per hr)	4410.5	$ 383,713.50	%
			$	%
			$	%
			Total: $ 383,713.50	%

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement conditioned upon the Bidder/Proposer's receipt of a signed contract from the County of Cook. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/Supply and Fee/Cost were completed.

Upon Penalty of perjury, I Jose Jasso (*print name*) the President (*title*) and duly authorized representative of the J. Jasso Trucking (DBE *firm*) affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplies/performed for the above indicated total dollar amount $ 383,713.50 which represents the above indicated total percentage 5.3 % for the contract amount $ 7,181,814.19.

Jose Jasso (Signature of affiant) 12/7/11 (Date)

Subscribed and sworn to before me this 7th day of December, 20 11

(Notary's Signature) (Notary Seal)

"OFFICIAL SEAL"
Jennifer L. Piehl
Notary Public, State of Illinois
My Commission Expires April 13, 2014

Upon penalty of perjury, Rob Male (*print name*), the Project Manager - DBE Procurement (*title*) and duly authorized representative of "D" Construction Inc. (*Bidder Proposer firm*), affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplied/performed for the above indicated total dollar amount $ 383,713.50, which represents the above indicated total percentage 5.3 % for the contract amount $ 7,181,814.19.

Rob Male (Signature of affiant) 12/7/11 (Date)

Subscribed and sworn to before me this 7th day of December, 20 11.

Tamara L. Hansen (Notary's Signature) (Notary Seal)

OFFICIAL SEAL
TAMARA L. HANSEN
Notary Public - State of Illinois
My Commission Expires Oct 06, 2013

COOK COUNTY DEPARTMENT OF HIGHWAYS
DBE Participation Statement

Subcontractor Registration Number 14612

Letting 11/30/11

Participation Statement

Item No.

(1) Instructions

Contract No. 11-28-160

This form must be completed for each disadvantaged business participating in the Utilization Plan. This form shall be submitted in accordance with the special provision and will be attached to the Utilization Plan form. If additional space is needed complete an additional form for the firm.

(2) Work

Pay Item No.	Description	Quantity	Unit Price	Total
Various	Trucking only (per hrs)	4410.00	$87.00	$383,713.00
			Total	$383,713.00

(3) Partial Payment Items
For any of the above items which are partial pay items, specifically describe the work and subcontract dollar amount:

(4) Commitment

The undersigned certify that the information included herein is true and correct, and that the DBE firm listed below has agreed to perform a commercially useful function in the work of the contract item(s) listed above and to execute a contract with the prime contractor. **The undersigned further understand that no changes to this statement may be made without prior approval from the Cook County Highway Department and that complete and accurate information regarding actual work performed on this project and the payment therefore must be provided to the Department.**

Signature for Prime Contractor

Signature for DBE Firm

Title	Proj. Mgr. – DBE Procurement	Title	President
Date	12-7-11	Date	12-7-11
Contact Person	Les Male	Contact Person	Jose Jesso
Phone	(815) 634-2555	Phone	(773)451-6686
Firm Name	D. Construction, Inc.	Firm Name	J. Jesso trucking
Address	1488 So. Broadway Street	Address	5719 S Homan ave
City/State/Zip	Coal City, IL 60416	City/State/Zip	Chicago IL 60629

E

WC

The Cook County Highway Department is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under the state and federal law. Disclosure of this information is REQUIRED. Failure to provide any information will result in the contract not being awarded. This form has been approved by the State Forms Management Center.

COOK COUNTY LETTER OF INTENT
(Section 2)

FROM DBE TO PERFORM AS SUBCONTRACTOR, SUPPLIER AND/OR CONSULTANT

Contract Title & Number: Joe Orr Road - Rebroadcast 09-B6736-03-RP

From: Laredo Systems (DBE Firm)

To: "D" Construction, Inc. (Bidder/Proposer Firm) and the County of Cook

The Undersigned is prepared to provide the following services, supplies and project in connection with the above named contract (the "Contract"): Each service performed and /or item supplied will be detailed under Description of Service/Supply and Project with all services/items totaled under Fee/Cost to equal the full dollar amount of the Letter of Intent. **This form must be completed for each disadvantaged business participating in the Utilization Plan. Attach this form to the Utilization Plan form. If additional space is needed, complete an additional form for the firm.**

Pay Item No.	Description	Quantity	Fee/Cost	
See attached quote			$	%
			$	%
			$	%
			Total: $ 270,442.65	%

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement conditioned upon the Bidder/Proposer's receipt of a signed contract from the County of Cook. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/Supply and Fee/Cost were completed.

Upon Penalty of perjury, I Enrique Jaime (*print name*) the President (*title*) and duly authorized representative of the Laredo Systems (DBE *firm*) affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplies/performed for the above indicated total dollar amount $ 270,442.65 which represents the above indicated total percentage 3.8 % for the contract amount $ 7,181,814.19.

Enrique Jaime (Signature of affiant) 12 / 7 / 11 (Date)

Subscribed and sworn to before me this 7th day of December, 2011

(Notary's Signature) (Notary Seal)

"OFFICIAL SEAL"
Jennifer L. Piehl
Notary Public, State of Illinois
My Commission Expires April 13, 2014

Upon penalty of perjury, Rob Nale (*print name*), the Project Manager - DBE Procurement (*title*) and duly authorized representative of "D" Construction Inc. (*Bidder Proposer firm*), affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplied/performed for the above indicated total dollar amount $ 270,442.65, which represents the above indicated total percentage 3.8 % for the contract amount $ 7,181,814.19.

Rob Nale (Signature of affiant) 12 / 7 / 11 (Date)

Subscribed and sworn to before me this 7th day of December, 2011.

Tamara L. Hansen (Notary's Signature) (Notary Seal)

OFFICIAL SEAL
TAMARA L. HANSEN
Notary Public - State of Illinois
My Commission Expires Oct 06, 2013

COOK COUNTY DEPARTMENT OF HIGHWAYS
DBE Participation Statement

Subcontractor Registration Number 10849

Letting 11/30/11

Participation Statement

Item No.

(1) Instructions

Contract No. 11-28-160

This form must be completed for each disadvantaged business participating in the Utilization Plan. This form shall be submitted in accordance with the special provision and will be attached to the Utilization Plan form. If additional space is needed complete an additional form for the firm.

(2) Work

Pay Item No.	Description	Quantity	Unit Price	Total
	See attached quote			

Total $270,422.65

(3) Partial Payment Items

For any of the above items which are partial pay items, specifically describe the work and subcontract dollar amount:

(4) Commitment

The undersigned certify that the information included herein is true and correct, and that the DBE firm listed below has agreed to perform a commercially useful function in the work of the contract item(s) listed above and to execute a contract with the prime contractor. **The undersigned further understand that no changes to this statement may be made without prior approval from the Cook County Highway Department and that complete and accurate information regarding actual work performed on this project and the payment therefore must be provided to the Department.**

Signature for Prime Contractor	Signature for DBE Firm
Title: Proj. Mgr. – DBE Procurement	Title: President
Date: 12/7/11	Date: 12/7/11
Contact Person: Rob Mak	Contact Person: Enrique Jaime
Phone: (815) 634-2555	Phone: (815) 544-0454
Firm Name: D. Construction, Inc.	Firm Name: Lurdo Systems
Address: 1488 So. Broadway Street	Address: 11933 County Line Road
City/State/Zip: Coal City, IL 60416	City/State/Zip: Grand Prairie, IL. 60038

E

WC

The Cook County Highway Department is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under the state and federal law. Disclosure of this information is REQUIRED. Failure to provide any information will result in the contract not being awarded. This form has been approved by the State Forms Management Center.

Proposal

Laredo Systems
11933 County Line Road
Grand Prairie, IL. 61038
Phone: 815-544-0454
Fax: 815-544-1088

COUNTY(IES)========> COOK

BLANK PRICES 0

ITEM NUMBER========> JOE ORR ROAD TOTAL QUANTITY 75,587.800 PAY ITEMS 15 TOTAL BID $270,422.65

ITEM #	PAY ITEM DESCRIPTION	U OF M	QUANTITY	X	UNIT PRICE	=	TOTAL PRICE
43	Turf pavers	SF	3,361.000		11.000		$36,971.00
146	Erosion control blanket	SQ YD	46,063.000		1.050		$48,366.15
147	Temporary ditch checks	EA	12.000		150.000		$1,800.00
148	Perimeter erosion barrier	FT	13,903.000		2.500		$34,757.50
149	Inlet and pipe protection	EA	4.000		200.000		$800.00
174	Topsoil excav. & placement	CU YD	5,541.000		14.000		$77,574.00
175	Seeding, Class 2A	ACRE	9.000		3,200.000		$28,800.00
176	Seeding, Class 3	ACRE	1.000		5,500.000		$5,500.00
177	Seeding, Class 5B	ACRE	0.800		5,200.000		$4,160.00
178	Sodding, salt tolerant	SQ YD	3,805.000		6.000		$22,830.00
179	Supplemental watering	UNIT	76.000		10.000		$760.00
180	Nitrogen fertilizer nutrient	LBS	934.000		2.000		$1,868.00
181	Phosphorous fert. nutrient	LBS	934.000		2.000		$1,868.00
182	Potassium fert. nutrient	LBS	934.000		2.000		$1,868.00
183	Evergreen, Thuja Occidentalis Techny (Techny Arborvitae) 4 ft height, balled & burlapped	EA	10.000		250.000		$2,500.00

Metra SM

547 W. Jackson Blvd. Chicago, Illinois 60661 Telephone: (312) 322-6900 TTY# 1-312-322-6774

September 30, 2011

Enrique Jaime
Laredo Systems
11933 County Line Rd.
Garden Prairie, IL 61038-9607

Dear Mr. Jaime:

Metra has reviewed your annual *No Change Affidavit* and supporting documentation and is pleased to inform you that your firm continues to meet the Disadvantaged Business Enterprise (DBE) program certification eligibility standards set forth in 49 CFR Part 26. Your next No Change Affidavit is due ***July 1, 2012.*** Notification will be sent to you sixty (60) days prior to this date.

This certification allows your firm to participate as a DBE in the Illinois Unified Certification Program (IL UCP). The participating agencies include the Illinois Department of Transportation, the City of Chicago, the Chicago Transit Authority, Metra and Pace.

If there is any change in circumstances during the course of your five-year certification period that affect your ability to meet size, disadvantaged status, ownership, or control requirements or any material change in the information provided in your initial application, you must provide written notification to this agency within thirty (30) days of the occurrence of the change. Failure to provide this information is a ground for denial of certification based on failure to cooperate pursuant to 49 CFR 26.109(c).

The Directory is used by prime contractors/consultants, as well as other agencies, to solicit participation of DBE firms. The Directory can be accessed on the Internet at www.metrarail.com.

Your firm's name will appear in the IL UCP DBE Directory under the following category name(s):
Miscellaneous 100% Credit NAICS: 561730 - Landscaping Services.

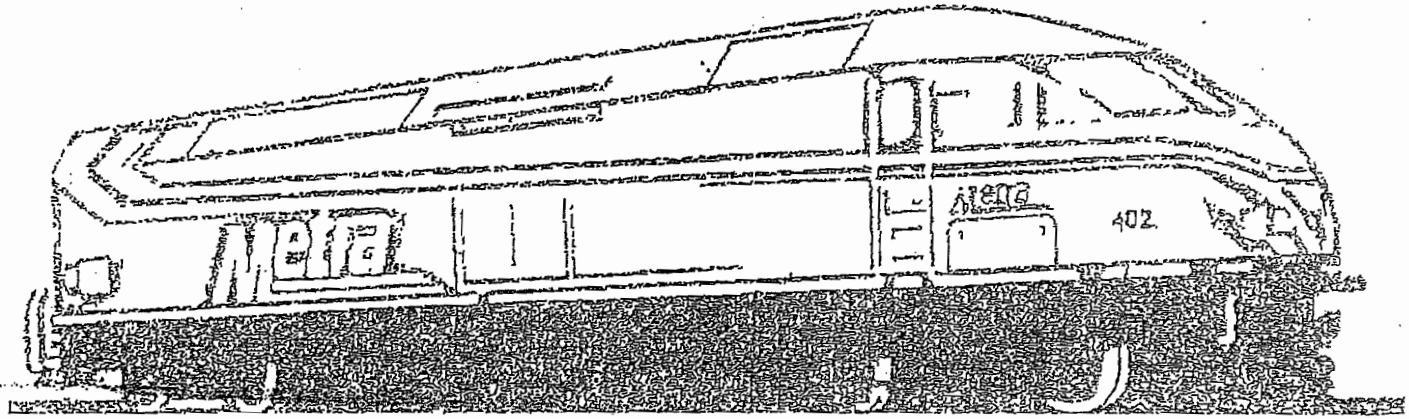
Your participation on contracts will only be credited toward DBE contract goals when you perform in your firm's approved area(s) of specialty. Credit for participation in an area outside your specialty requires prior approval (verification of resources, expertise, and corresponding support documentation, etc.).

Sincerely,

Janice R. Thomas, CPPB
Director
Office of DBE Administration

JRT:svb/bg

Metra is the registered service mark for the Northeast Illinois Regional Commuter Railroad Corporation.



LAREDO SYSTEMS

is hereby certified as a

Disadvantaged Business Enterprise

This certificate is valid under current firm ownerhip and operational control and supersedes any authorization or listing previously issued.

Sandi Llano DBE Director

07-01-10 Issued

07-01-11 Expires

Metra

COOK COUNTY LETTER OF INTENT
(Section 2)

09-B-6736-03-RP

FROM DBE TO PERFORM AS SUBCONTRACTOR, SUPPLIER AND/OR CONSULTANT

Contract Title & Number: Joe Orr Road (Relocate) East of Stony Island avenue to Florence avenue

From: Marking Specialists Corporation (DBE Firm)

To: "D" Construction, Inc. (Bidder/Proposer Firm) and the County of Cook

The Undersigned is prepared to provide the following services, supplies and project in connection with the above named contract (the "Contract"): Each service performed and /or item supplied will be detailed under Description of Service/Supply and Project with all services/items totaled under Fee/Cost to equal the full dollar amount of the Letter of Intent. **This form must be completed for each disadvantaged business participating in the Utilization Plan. Attach this form to the Utilization Plan form. If additional space is needed, complete an additional form for the firm.**

Pay Item No.	Description	Quantity	Fee/Cost	
See	attached	quote	$	%
	# 16616		$	%
			$	%

Total: $ 68,447.60 %

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement conditioned upon the Bidder/Proposer's receipt of a signed contract from the County of Cook. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/Supply and Fee/Cost were completed.

Upon Penalty of perjury, I Robert W. Buerer *(print name)* the Executive Vice-President *(title)* and duly authorized representative of the Marking Specialists Corporation *(DBE firm)* affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplies/performed for the above indicated total dollar amount $68,447.60 which represents the above indicated total percentage 0.95 % for the contract amount $ 7,181,814.19.

(Signature of affiant) 12/7/11 (Date)

Subscribed and sworn to before me this 7th day of December, 20 11.

Judith M Peszek (Notary's Signature) (Notary Seal)

NOTARY PUBLIC OFFICIAL SEAL STATE OF ILLINOIS
JUDITH M PESZEK
MY COMMISSION EXPIRES
MAY 13, 2014

Upon penalty of perjury, Rob Vale *(print name)*, the Project Manager - DBE Procurement *(title)* and duly authorized representative of "D" Construction, Inc. *(Bidder Proposer firm)*, affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplied/performed for the above indicated total dollar amount $ 68,447.60, which represents the above indicated total percentage 0.95 % for the contract amount $ 7,181,814.19.

(Signature of affiant) 12/7/11 (Date)

Subscribed and sworn to before me this 7th day of December, 20 11.

Tamara L Hansen (Notary's Signature) (Notary Seal)

OFFICIAL SEAL
TAMARA L. HANSEN
Notary Public - State of Illinois
My Commission Expires Oct 06, 2013

COOK COUNTY DEPARTMENT OF HIGHWAYS
DBE Participation Statement

Subcontractor Registration Number 3689

Letting 11/30/2011

Participation Statement 09-B6736-03-RP Joe Orr Road (Relocated) East of Stony Island Avenue to Torrence Avenue

Item No. —

Contract No. 11-28-160

(1) Instructions
This form must be completed for each disadvantaged business participating in the Utilization Plan. This form shall be submitted in accordance with the special provision and will be attached to the Utilization Plan form. If additional space is needed complete an additional form for the firm.

(2) Work

Pay Item No.	Description	Quantity	Unit Price	Total
	See attached quote #			
	16616			
			Total	$68,447.60

(3) Partial Payment Items
For any of the above items which are partial pay items, specifically describe the work and subcontract dollar amount:

(4) Commitment

The undersigned certify that the information included herein is true and correct, and that the DBE firm listed below has agreed to perform a commercially useful function in the work of the contract item(s) listed above and to execute a contract with the prime contractor. **The undersigned further understand that no changes to this statement may be made without prior approval from the Cook County Highway Department and that complete and accurate information regarding actual work performed on this project and the payment therefore must be provided to the Department.**

Signature for Prime Contractor	Signature for DBE Firm
Rob Mak	Robert W. Brown
Title: Project Mngr. - DBE Procurement	Title: Executive Vice-President
Date: 12-4-11	Date: 12/7/11
Contact Person: Rob Mak	Contact Person: Judith M. Peszek
Phone: 815-634-2555	Phone: 847-462-0799
Firm Name: "D" Construction, Inc.	Firm Name: Marking Specialists Corporation
Address: 14488 S. Broadway St.	Address: 214 Crystal St - Suite C
City/State/Zip: Coal City, IL 60416	City/State/Zip: Cary, IL 60013

E _____

WC _____

The Cook County Highway Department is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under the state and federal law. Disclosure of this information is REQUIRED. Failure to provide any information will result in the contract not being awarded. This form has been approved by the State Forms Management Center.

Voice: 847-462-0799
Fax: 847-462-0929
Email: judy@markingspecialists.net

Quote No.: 16616
Quote Date: 11/25/2011

Marking Specialists Corporation
214 Crystal Street, Suite C
Cary IL, 60013

Contract No.: Joe Orr Rd
Bid Date: 11/30/2011
Complete By: 11/01/2012

QUOTATION

RECEIVED
DEC 8 2011
BY:

D CONSTRUCTION, INC.
1488 S. BROADWAY
COAL CITY, IL 60416

County: COOK

Section: 09-B6736-03-RP

Description: JOE ORR ROAD (RELOCATED) - EAST OF STONY ISLAND AVENUE TO TORRENCE AVENUE SECTION 09-B6736-03-RP

Gentlemen:

We propose to furnish all necessary labor, material, tools and equipment to complete the following work according to plans and specifications:

Item No.	Description	Unit	Qty	Price	Ext. Amount
160	POLYUREA PM T1 LTR-SYM	SF	268.000	$4.250	$1,139.00
161	POLYUREA PM T1 LN 4	FT	13232.000	$1.070	$14,158.24
162	POLYUREA PM T1 LN 6	FT	593.000	$1.770	$1,049.61
163	POLYUREA PM T1 LN 8	FT	4621.000	$2.360	$10,905.56
164	POLYUREA PM T1 LN 12	FT	620.000	$3.550	$2,201.00
165	POLYUREA PM T1 LN 24	FT	213.000	$7.100	$1,512.30
166	THPL PVT MK LTR & SYM	SF	115.000	$3.750	$431.25
167	THPL PVT MK LINE 4	FT	15497.000	$0.880	$13,637.36
168	THPL PVT MK LINE 6	FT	1002.000	$1.580	$1,583.16
169	THPL PVT MK LINE 8	FT	2634.000	$2.110	$5,557.74
170	THPL PVT MK LINE 12	FT	774.000	$3.170	$2,453.58
171	THPL PVT MK LINE 24	FT	88.000	$6.350	$558.80
172	RAISED REFL PAVT MKR	EA	408.000	$32.500	$13,260.00
				Bid Total	$68,447.60

These prices are firm for a period of sixty (60) days from the date of the contract award. Other materials, if required, will be priced separately. Permanent pavement marking is expected to be completed with one mobilization. Additional mobilizations will cost $2,000.00 each. Lane closures, if required, are the responsibility of the prime contractor. Unless stated otherwise, prices do not include costs for bonds, special insurance or permits.

We thank you for the opportunity to quote on this work and hope we will be favored with your order.

Very Truly Yours,

Judith M Peszek

Judith M. Peszek, Chief Estimator
Marking Specialists Corporation

I.D.O.T. Certified DBE C.D.O.T. Certified DBE & MBE Cook County Certified MBE

COOK COUNTY LETTER OF INTENT
(Section 2)

FROM DBE TO PERFORM AS SUBCONTRACTOR, SUPPLIER AND/OR CONSULTANT

Contract Title & Number: Tax on Road Rebuild 09-B6736-03-RP

From: M.D. Miller Trucking & Topsoil, Inc. (DBE Firm)

To: "D" Construction, Inc. (Bidder/Proposer Firm) and the County of Cook

The Undersigned is prepared to provide the following services, supplies and project in connection with the above named contract (the "Contract"): Each service performed and /or item supplied will be detailed under Description of Service/Supply and Project with all services/items totaled under Fee/Cost to equal the full dollar amount of the Letter of Intent. **This form must be completed for each disadvantaged business participating in the Utilization Plan. Attach this form to the Utilization Plan form. If additional space is needed, complete an additional form for the firm.**

Pay Item No.	Description	Quantity	Fee/Cost	
4	Non special waste	2310	$ 100,092.30	%
	disposal		$	%
			$	%
			Total: $ 100,092.30	%

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement conditioned upon the Bidder/Proposer's receipt of a signed contract from the County of Cook. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/Supply and Fee/Cost were completed.

Upon Penalty of perjury, I MARLENE D. MILLER *(print name)* the PRESIDENT *(title)* and duly authorized representative of the M.D. MILLER TRUCKING & TOPSOIL, INC *(DBE firm)* affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplies/performed for the above indicated total dollar amount $ 100,092.30 which represents the above indicated total percentage 1.4 % for the contract amount $ 7,181,814.19.

(Signature of affiant) 12/7/11 (Date)

Subscribed and sworn to before me this 7th day of December, 20 11

(Notary's Signature) (Notary Seal)

"OFFICIAL SEAL"
Jennifer L. Piehl
Notary Public, State of Illinois
My Commission Expires April 13, 2014

Upon penalty of perjury, Rob Male *(print name)*, the Project Manager - DBE Procurement *(title)* and duly authorized representative of "D" Construction, Inc. *(Bidder Proposer firm)*, affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplied/performed for the above indicated total dollar amount $ 100,092.30, which represents the above indicated total percentage 1.4 % for the contract amount $ 7,181,814.19.

(Signature of affiant) 12/7/11 (Date)

Subscribed and sworn to before me this 7th day of December, 20 11.

(Notary's Signature) (Notary Seal)

OFFICIAL SEAL
TAMARA L. HANSEN
Notary Public - State of Illinois
My Commission Expires Oct 06, 2013

COOK COUNTY DEPARTMENT OF HIGHWAYS

DBE Participation Statement

Subcontractor Registration Number 10772

Letting 11/30/11

Participation Statement

Item No.

(1) Instructions

Contract No. 11-28-160

This form must be completed for each disadvantaged business participating in the Utilization Plan. This form shall be submitted in accordance with the special provision and will be attached to the Utilization Plan form. If additional space is needed complete an additional form for the firm.

(2) Work

Pay Item No.	Description	Quantity	Unit Price	Total
4	Non special waste disposal	2,310	$43.33	$100,092.30
			Total	$100,092.30

(3) Partial Payment Items

For any of the above items which are partial pay items, specifically describe the work and subcontract dollar amount:

(4) Commitment

The undersigned certify that the information included herein is true and correct, and that the DBE firm listed below has agreed to perform a commercially useful function in the work of the contract item(s) listed above and to execute a contract with the prime contractor. **The undersigned further understand that no changes to this statement may be made without prior approval from the Cook County Highway Department and that complete and accurate information regarding actual work performed on this project and the payment therefore must be provided to the Department.**

Signature for Prime Contractor

Signature for DBE Firm

Title	Proj. Mgr. – DBE Procurement	Title	PRESIDENT
Date	12-7-11	Date	12/7/11
Contact Person	Bob Nale	Contact Person	Marlene D. Miller
Phone	(815) 634-2555	Phone	815 254-4966
Firm Name	D. Construction, Inc.	Firm Name	M.D. Miller Trucking & Topsoil, Inc.
Address	1488 So. Broadway Street	Address	909 WILDFLOWER DRIVE
City/State/Zip	Coal City, IL 60416	City/State/Zip	SHOREWOOD, IL 60404

E

WC

The Cook County Highway Department is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under the state and federal law. Disclosure of this information is REQUIRED. Failure to provide any information will result in the contract not being awarded. This form has been approved by the State Forms Management Center.

COOK COUNTY LETTER OF INTENT
(Section 2)

FROM DBE TO PERFORM AS SUBCONTRACTOR, SUPPLIER AND/OR CONSULTANT

Contract Title & Number: Joe Orr Road - Relocated, 09-060736-03-RP

From: Mosley Construction, Inc. (DBE Firm)

To: "D" Construction, Inc. (Bidder/Proposer Firm) and the County of Cook

The Undersigned is prepared to provide the following services, supplies and project in connection with the above named contract (the "Contract"): Each service performed and /or item supplied will be detailed under Description of Service/Supply and Project with all services/items totaled under Fee/Cost to equal the full dollar amount of the Letter of Intent. **This form must be completed for each disadvantaged business participating in the Utilization Plan. Attach this form to the Utilization Plan form. If additional space is needed, complete an additional form for the firm.**

Pay Item No.	Description	Quantity	Fee/Cost	
See attached quote			$	%
			$	%
			$	%
			Total: $ 332,163.25	%

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement conditioned upon the Bidder/Proposer's receipt of a signed contract from the County of Cook. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/Supply and Fee/Cost were completed.

Upon Penalty of perjury, I Jobie J. Mosley (*print name*) the President (*title*) and duly authorized representative of the Mosley Construction, INC. (DBE *firm*) affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplies/performed for the above indicated total dollar amount $ 332,163.25 which represents the above indicated total percentage 4.6 % for the contract amount $ 7,181,814.19.

(Signature of affiant) 12 / 7 / 2011 (Date)

Subscribed and sworn to before me this 7th day of December, 2011

(Notary's Signature) (Notary Seal)

"OFFICIAL SEAL"
Jennifer L. Piehl
Notary Public, State of Illinois
My Commission Expires April 13, 2014

Upon penalty of perjury, Rob Nale (*print name*), the Project Manager - DBE Procurement (*title*) and duly authorized representative of "D" Construction, Inc. (*Bidder Proposer firm*), affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplied/performed for the above indicated total dollar amount $ 332,163.25, which represents the above indicated total percentage 4.6 % for the contract amount $ 7,181,814.19.

(Signature of affiant) 12 / 7 / 11 (Date)

Subscribed and sworn to before me this 7th day of December, 20 11.

(Notary's Signature) (Notary Seal)

OFFICIAL SEAL
TAMARA L. HANSEN
Notary Public - State of Illinois
My Commission Expires Oct 06, 2013

COOK COUNTY DEPARTMENT OF HIGHWAYS
DBE Participation Statement

Subcontractor Registration Number 10840

Letting 11/30/11

Participation Statement

Item No.

(1) Instructions

Contract No. 11-028-K00

This form must be completed for each disadvantaged business participating in the Utilization Plan. This form shall be submitted in accordance with the special provision and will be attached to the Utilization Plan form. If additional space is needed complete an additional form for the firm.

(2) Work

Pay Item No.	Description	Quantity	Unit Price	Total
	See attached quote			
			Total	$332,163.25

(3) Partial Payment Items
For any of the above items which are partial pay items, specifically describe the work and subcontract dollar amount:

(4) Commitment

The undersigned certify that the information included herein is true and correct, and that the DBE firm listed below has agreed to perform a commercially useful function in the work of the contract item(s) listed above and to execute a contract with the prime contractor. **The undersigned further understand that no changes to this statement may be made without prior approval from the Cook County Highway Department and that complete and accurate information regarding actual work performed on this project and the payment therefore must be provided to the Department.**

Signature for Prime Contractor	Signature for DBE Firm
Title: Proj. Mgr. – DBE Procurement	Title: President
Date: 12/7/11	Date: 12/7/11
Contact Person: Rob Male	Contact Person: Jabie J. Mosley
Phone: (815) 634-2555	Phone: 815-944-5610
Firm Name: D. Construction, Inc.	Firm Name: Mosley Construction, Inc
Address: 1488 So. Broadway Street	Address: 2530 S. 14000 E Rd
City/State/Zip: Coal City, IL 60416	City/State/Zip: Pembroke Township, IL 60958

E

WC

The Cook County Highway Department is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under the state and federal law. Disclosure of this information is REQUIRED. Failure to provide any information will result in the contract not being awarded. This form has been approved by the State Forms Management Center.

Mosley Construction Inc.
2530 South 14000 East Road
St. Anne, IL 60964
Phone: 815-944-5610
Fax: 815-944-5675

Proposal

2nd Revision

COUNTY(IES)========> COOK

BLANK PRICES 0

ITEM NUMBER========> JOE ORR ROAD | TOTAL QUANTITY 21,250.000 | PAY ITEMS 4 | TOTAL BID $332,163.25

	PAY ITEM DESCRIPTION	U OF M	QUANTITY	X	UNIT PRICE	=	TOTAL PRICE
31	CC&G B-6.12	LF	6,124.000		13.750		$84,205.00
32	CC&G B-6.24	LF	10,732.000		15.250		$163,663.00
52	controlled low strength mat	cy	481.000		100.000		$48,100.00
33	MEDIAN SB-6.12	SF	3,913.000		9.250		$36,195.25

***Grading, excavation, backfill, stone & fill material for sidewalks, medians, pavement, base course, curbs & gutter and driveways are not included in above quote. Quote does not include any grading or fine grading. Quote does not include any base preparations. General will be responsible for bringing material to concrete elevations. Above pay items are quoted with an 8% concrete waste. Any additional concrete over 8 % will be back charged to prime. Quote includes standard certificates of insurance as mentioned in the plans, any additional insurance or specific wording that incurs extra costs will be back charged to the prime. Any reduction in quantity of an item in excess of 25% of contract value for that item will require agreement of a new unit price. If a new price cannot be agreed upon work will be performed on a Time and Material basis with standard IDOT markups.*

Notice of Conditions--1) Quote does not inclued winter concreting. Any extra charges for winterization will be the responsibility of the prime. Any labor or materials required to cover concrete (or uncover for saw cuts) due to low temperatures is the responsibility of the prime. 2) Traffic protection, Flaggers, Traffic control, QAQC, Layout engineering by others 3) No bond 4) Payment every two weeks. 5) NO Retention. 6) Access road by others. 7) Work week will consist of (Daytime)8 hrs per day Mon-Fri. 8)No holidays or Weekends. 9) Subgrade /base to plans elevations. 10) No railroad insurance or fuel adjustment participation. 11) Underground/sewer/utilities work is responsibility of others 100% 12) General responsible for any hoisting or extra equipment or labor for equipment needed to get material to proposed location. 13) Quote does not include any incidentals not specifically mentioned. 14) Quote includes saw cutting and blowing out of the curb joint once. 15) Additional cost for ice or any other cooling method for the concrete in hot temperatures is the responsibility of the prime. 16)Quotes includes 2 mobilizations. Additional mobilizations will be billed @$2000 each. 17) All of the above subject to formal contract agreement. No night work is included. Mobilization paid in full with first invoice. 18)Quote does not include any sealing of joints/sawcuts. 19)Any cracks appearing in curb & gutter or median after sawcutting 24 hrs of pouring is the responsibility of the prime. 20)Curb Machine and the Operator will be rented from D Construction at the rate of $150.00/hr 21)All mobilization of the curb machine is the responsibility of the prime. 22) Prices are quoted using a concrete price of $78.92/cy through the prime for class si-5.2+fa+wr mix. Any additional rate increase for concrete is the responsibility of the prime. 23) Labor and material for the tie bar between curb and pavement will be performed by the Genereal Contractor.

Certified I.D.O.T. D.B.E/M.B.E.

COOK COUNTY LETTER OF INTENT
(Section 2)

FROM DBE TO PERFORM AS SUBCONTRACTOR, SUPPLIER AND/OR CONSULTANT

Contract Title & Number: Joe Du Road Relocated 09-36736-03-RP

From: R. A. SEATON CONTRACTOR SERVICES LLC (DBE Firm)

To: D CONSTRUCTION INC (Bidder/Proposer Firm) and the County of Cook

The Undersigned is prepared to provide the following services, supplies and project in connection with the above named contract (the "Contract"): Each service performed and /or item supplied will be detailed under Description of Service/Supply and Project with all services/items totaled under Fee/Cost to equal the full dollar amount of the Letter of Intent. **This form must be completed for each disadvantaged business participating in the Utilization Plan. Attach this form to the Utilization Plan form. If additional space is needed, complete an additional form for the firm.**

Pay Item No.	Description	Quantity	Fee/Cost	
See	attached	quote	$ $529,037.54	%
			$	%
			$	%
			Total: $ 529,037.54	%

THE UNDERSIGNED PARTIES AGREE that this Letter of Intent will become a binding Subcontract Agreement conditioned upon the Bidder/Proposer's receipt of a signed contract from the County of Cook. The Undersigned Parties do also certify that they did not affix their signatures to this document until all areas under Description of Service/Supply and Fee/Cost were completed.

Upon Penalty of perjury, I REBECCA SEATON *(print name)* the PRESIDENT *(title)* and duly authorized representative of the RA SEATON CONTRACTOR SERVICES *(DBE firm)* affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplies/performed for the above indicated total dollar amount $ 529,037.54 which represents the above indicated total percentage 7.4 % for the contract amount $ 7,181,814.19.

Rebecca A Seaton (Signature of affiant) 11/28/2011 (Date)

Subscribed and sworn to before me this 28th day of November, 20 11

Barbara A LeRoy (Notary's Signature) (Notary Seal)

Official Seal
Barbara A LeRoy
Notary Public State of Illinois
My Commission Expires 05/02/2015

Upon penalty of perjury, Joe Make *(print name)* the Project Manager - DBE Procurement *(title)* and duly authorized representative of "D" Construction Inc. *(Bidder Proposer firm)*, affirm that the foregoing information is true and correct and the services, supplies, and/or project indicated above will be supplied/performed for the above indicated total dollar amount $ 529,037.54, which represents the above indicated total percentage 7.4 % for the contract amount $ 7,181,814.19.

Joe Make (Signature of affiant) 12/7/11 (Date)

Subscribed and sworn to before me this 7th day of December, 20 11.

Tamara L Hansen (Notary's Signature) (Notary Seal)

OFFICIAL SEAL
TAMARA L. HANSEN
Notary Public - State of Illinois
My Commission Expires Oct 06, 2013

COOK COUNTY DEPARTMENT OF HIGHWAYS
DBE Participation Statement

Subcontractor Registration Number 13118

Letting SOE ORR ROAD

Participation Statement

Item No.

(1) Instructions

Contract No.

This form must be completed for each disadvantaged business participating in the Utilization Plan. This form shall be submitted in accordance with the special provision and will be attached to the Utilization Plan form. If additional space is needed complete an additional form for the firm.

(2) Work

Pay Item No.	Description	Quantity	Unit Price	Total
	See attached quote			
			Total	$529,037.54

(3) Partial Payment Items

For any of the above items which are partial pay items, specifically describe the work and subcontract dollar amount:

(*) DBE Supplier: $529,037.54 x 60% = $317,442.52

(4) Commitment

The undersigned certify that the information included herein is true and correct, and that the DBE firm listed below has agreed to perform a commercially useful function in the work of the contract item(s) listed above and to execute a contract with the prime contractor. **The undersigned further understand that no changes to this statement may be made without prior approval from the Cook County Highway Department and that complete and accurate information regarding actual work performed on this project and the payment therefore must be provided to the Department.**

Signature for Prime Contractor	Signature for DBE Firm
Title: Proj. Mgr. – DBE Procurement	Title: PRESIDENT
Date: 12-7-11	Date: 11-28-2011
Contact Person: Bob Nale	Contact Person: REBECCA SEATON
Phone: (815) 634-2555	Phone: 815-378-9799
Firm Name: D. Construction, Inc.	Firm Name: R. A. SEATON CONTRACTOR
Address: 1488 So. Broadway Street	Address: 1467 McKINLEY
City/State/Zip: Coal City, IL 60416	City/State/Zip: BELVIDERE IL 61008

E

WC

The Cook County Highway Department is requesting disclosure of information that is necessary to accomplish the statutory purpose as outlined under the state and federal law. Disclosure of this information is REQUIRED. Failure to provide any information will result in the contract not being awarded. This form has been approved by the State Forms Management Center.

*Corrected by CCHD

Proposal

RA Seaton Contractor Services
1467 McKinley Avenue
Belvidere, IL. 61008
Phone: 815-378-9799
Fax: 815-547-7766

COUNTY(IES)========> COOK

BLANK PRICES 0

ITEM NUMBER========> JOE ORR ROAD | TOTAL QUANTITY 11,554.000 | PAY ITEMS | 37 TOTAL BID PSA * ~~$529,037.54~~

$529,036.97
@ 60% = $317,422.18

	PAY ITEM DESCRIPTION	U OF M	QUANTITY	X	UNIT PRICE	=	TOTAL PRICE
82	4' Catch basins	EA	105.000		468.812		$49,225.30
84	2' Catch basins	EA	13.000		229.755		$2,986.82
83	6' Catch basins	EA	1.000		1,715.742		$1,715.74
93	2' Type A inlet	EA	1.000		162.180		$162.18
85	4' Manholes	EA	17.000		675.444		$11,482.55
92	4' Manholes, restrictor plate	EA	1.000		631.890		$631.89
86	5' Manholes	EA	13.000		1,186.433		$15,423.63
87	6' Manholes	EA	19.000		1,894.303		$35,991.76
88	8' Manhole	EA	1.000		3,897.410		$3,897.41
123	4' Valve vaults	EA	2.000		306.510		$613.02
58	SS, T1, 12"x96" RCP, C4, G.J.	LFT	12.000		6.120		$73.44
59	72"x90" RCP, C4, O.R.	LFT	19.000		130.050		$2,470.95
60	29"x45x96" (36") RCEP, HE-4, M.J.	LFT	13.000		52.020		$676.26
61	SS,T2,12"x96"RCP, C3,G.J.	LFT	2,580.000		6.589		$17,000.14
62	SS,T2,15"x96"RCP, C3,G.J.	LFT	629.000		7.650		$4,811.85
63	SS,T2,18"x96"RCP, C3,G.J.	LFT	603.000		9.435		$5,689.31
65	SS,T2,24"x96"RCP, C3,G.J.	LFT	333.000		12.750		$4,245.75
66	SS,T2,30"x96"RCP, C3,G.J.	LFT	2,083.000		19.380		$40,368.54
67	SS,T2,36"x96"RCP, C3,G.J.	LFT	2,242.000		26.520		$59,457.84
68	54"x96" C4 O.R.	LFT	913.000		58.650		$53,547.45
69	60"x96" C3 O.R.	LFT	496.000		64.770		$32,125.92
70	72"x90" C3 O.R.	LFT	1,251.000		107.100		$133,982.10
73	PC,CL a,T1, 12",x96" RCP, C4 G.J.	LFT	20.000		6.120		$122.40
76	12"x72" FES W/TOEBLK	EA	2.000		204.000		$408.00
77	18"x72" FES W/TOEBLK	EA	1.000		265.200		$265.20
78	72"x96" FES W/TOEBLK	EA	1.000		1,887.000		$1,887.00

Proposal

RA Seaton Contractor Services
1467 McKinley Avenue
Belvidere, IL. 61008
Phone: 815-378-9799
Fax: 815-547-7766

COUNTY(IES)========> COOK

BLANK PRICES 0

ITEM NUMBER========> JOE ORR ROAD TOTAL QUANTITY 11,554.000 PAY ITEMS 37 TOTAL BID $529,037.54

	PAY ITEM DESCRIPTION	U OF M	QUANTITY	X	UNIT PRICE	=	TOTAL PRICE
81	29"x45"x96" (36") GRATE	EA	1.000		765.000		$765.00
80	72" GRATE	EA	1.000		1,428.000		$1,428.00
	29"x45" (36") GRATE	EA	1.000		474.300		$474.30
75	6'x4' BOX CULVERT - M259(C789)	LFT	155.000		206.040		$31,936.20
75	6'x4' BOX CULVERT END SECTION W/TOEBLK	EA	1.000		2,040.000		$2,040.00
89	54"x96" C4 O.R. x 48" M.H. TEE**	EA	5.000		1,173.000		$5,865.00
90	60"x96" C3 O.R. x 48" M.H. TEE**	EA	1.000		1,224.000		$1,224.00
91	72"x90" C3 O.R. x 48" M.H. TEE**	EA	3.000		1,504.500		$4,513.50
61	12"x12" TEE/WYE	EA	5.000		97.930		$489.65
62	15"x12" TEE/WYE	EA	8.000		97.930		$783.44
63	18"x12" TEE/WYE	EA	2.000		128.000		$256.00

PETITION FOR WAIVER OF DBE PARTICIPATION
(SECTION 3)

A. BIDDER/PROPOSER HEREBY REQUESTS:

☐ **FULL DBE WAIVER**

☐ **FULL DBE WAIVER**

☐ **REDUCTION (PARTIAL DBE PARTICIPATION)**

_____% of Reduction for DBE Participation

_____% of Reduction for DBE Participation

B. REASON FOR FULL/REDUCTION WAIVER REQUEST

Bidder/Proposer shall check each item applicable to its reason for a waiver request. **Additionally, supporting documentation shall be submitted with this request. If such supporting documentation cannot be submitted with bid/proposal/quotation, such documentation shall be submitted directly to the Office of Contract Documents no later than five (5) days from the date of submission date.**

☐ 1) Lack of sufficient qualified DBE capable of providing the goods or services required by the contract **(please explain)**

☐ 2) The specifications and necessary requirements for performing the Contract make it impossible or economically infeasible to divide the Contract to enable the contractor to utilize DBE in accordance with the applicable participation **(please explain)**

☐ 3) Price quoted by potential DBE are above competitive levels and increase cost of doing business and would make acceptance of such DBE bid economically impracticable, taking into consideration the percentage of total contract price represented by such DBE bid **(please explain)**

☐ 4) There are other relevant factors making it impossible or economically infeasible to utilize and/or DBE firms **(please explain)**

C. GOOD FAITH EFFORTS TO OBTAIN DBE PARTICIPATION

Bidder/Proposer shall check each item applicable to its reason for a waiver request. **Additionally, supporting documentation shall be submitted with this request. If such supporting documentation cannot be submitted with bid/proposal/quotation, such documentation shall be submitted directly to the Office of Contract Documents of the Cook County Highway Department no later than three (3) days from the date of submission date.**

☐ 1) Made timely written solicitation to identified DBE for utilization of goods and/or services; and provided DBE with a timely opportunity to review and obtain relevant specifications, terms and conditions of the proposal to enable DBE to prepare an informed response to solicitation **(please attach)**

☐ 2) Followed up initial solicitation of DBE to determine if firms are interested in doing business **(please attach)**

☐ 3) Advertised in a timely manner in one or more daily newspapers and/or trade publication for DBE for supply of goods and services **(please attach)**

☐ 4) Use the services and assistance of the Contract Administrator **(please explain)**

☐ 5) Engaged DBE for indirect participation **(please explain)**

D. OTHER RELEVANT INFORMATION

Attach any other documentation relative to Good Faith Efforts in complying with DBE participation.

CONTRACTOR CERTIFICATIONS
(SECTION 4)

The following certifications are made pursuant to state law and the code. The undersigned is cautioned to carefully read these certifications prior to signing the signature page. Signing the signature page shall constitute a warranty by the undersigned that all the statements, certifications and information set forth within these certifications are true, complete and correct as of the date the signature page is signed. The undersigned is notified that if the county learns that any of the following certifications were falsely made, that any contract entered into with the undersigned shall be subject to termination.

A. PERSONS AND ENTITIES SUBJECT TO DISQUALIFICATION

No person or business entity shall be awarded a contract or sub-contract, for a period of five (5) years from the date of conviction or entry of a plea or admission of guilt, civil or criminal, if that person or business entity:

1) Has been convicted of an act committed, within the State of Illinois, of bribery or attempting to bribe an officer or employee of a unit of state, federal or local government or school district in the State of Illinois in that officer's or employee's official capacity;
2) Has been convicted by federal, state or local government of an act of bid-rigging or attempting to rig bids as defined in the Sherman Anti-Trust Act and Clayton Act. Act. 15 U.S.C. Section 1 *et seq.;*
3) Has been convicted of bid-rigging or attempting to rig bids under the laws of federal, state or local government;
4) Has been convicted of an act committed, within the State, of price-fixing or attempting to fix prices as defined by the Sherman Anti-Trust Act and the Clayton Act. 15 U.S.C. Section 1, *et seq.;*
5) Has been convicted of price-fixing or attempting to fix prices under the laws the State;
6) Has been convicted of defrauding or attempting to defraud any unit of state or local government or school district within the State of Illinois;
7) Has made an admission of guilt of such conduct as set forth in subsections (1) through (6) above which admission is a matter of record, whether or not such person or business entity was subject to prosecution for the offense or offenses admitted to; or
8) Has entered a plea of *nolo contendere* to charge of bribery, price-fixing, bid-rigging, or fraud, as set forth in sub-paragraphs (1) through (6) above.

In the case of bribery or attempting to bribe, a business entity may not be awarded a contract if an official, agent or employee of such business entity committed the Prohibited Act on behalf of the business entity and pursuant to the direction or authorization of an officer, director or other responsible official of the business entity, and such Prohibited Act occurred within three years prior to the award of the contract. In addition, a business entity shall be disqualified if an owner, partner or shareholder controlling, directly or indirectly, 20 % or more of the business entity or an officer of the business entity has performed any Prohibited Act within five years prior to the award of the Contract.

THE UNDERSIGNED HEREBY CERTIFIES THAT: The Undersigned has read the provisions of Section A, Persons and Entities Subject to Disqualification, that the Undersigned has not committed any Prohibited Act set forth in Section A, and that award of the Contract to the Undersigned would not violate the provisions of such Section or of the Code.

B. BID-RIGGING OR BID ROTATING

THE UNDERSIGNED HEREBY CERTIFIES THAT: *In accordance with 720 ILCS 5/33 E-11, neither the Undersigned nor any Affiliated Entity is barred from award of this Contract as a result of a conviction for the violation of State laws prohibiting bid-rigging or bid rotating.*

C. DRUG FREE WORKPLACE ACT

THE UNDERSIGNED HEREBY CERTIFIES THAT: The Undersigned will provide a drug free workplace, as required by Public Act 86-1459 (30 ILCS 580/2-11).

D. DELINQUENCY IN PAYMENT OF TAXES

THE UNDERSIGNED HEREBY CERTIFIES THAT: *The Undersigned is not an owner or a party responsible for the payment of any tax or fee administered by Cook County, by a local municipality, or by the Illinois Department of Revenue, which such tax or fee is delinquent, such as bar award of a contract or subcontract pursuant to the Code, Chapter 34, Section 34-129.*

E. HUMAN RIGHTS ORDINANCE

No person who is a party to a contract with Cook County ("County") shall engage in unlawful discrimination or sexual harassment against any individual in the terms or conditions of employment, credit, public accommodations, housing, or provision of County facilities, services or programs (Code Chapter 42, Section 42-30 *et seq*).

F. ILLINOIS HUMAN RIGHTS ACT

THE UNDERSIGNED HEREBY CERTIFIES THAT: *It is in compliance with the the Illinois Human Rights Act (775 ILCS 5/2-105), and agrees to abide by the requirements of the Act as part of its contractual obligations.*

G. MACBRIDE PRINCIPLES, CODE CHAPTER 34, SECTION 34-132

If the primary contractor currently conducts business operations in Northern Ireland, or will conduct business during the projected duration of a County contract, the primary contractor shall make all reasonable and good faith efforts to conduct any such business operations in Northern Ireland in accordance with the MacBride Principles for Northern Ireland as defined in Illinois Public Act 85-1390.

H. LIVING WAGE ORDINANCE PREFERENCE (COOK COUNTY CODE, CHAPTER 34, SECTION 34-127;

The Code requires that a living wage must be paid to individuals employed by a Contractor which has a County Contract and by all subcontractors of such Contractor under a County Contract, throughout the duration of such County Contract. The amount of such living wage is determined from time to time by, and is available from, the Chief Financial Officer of the County.

For purposes of this EDS Section 4, H, "Contract" means any written agreement whereby the County is committed to or does expend funds in connection with the agreement or subcontract thereof. The term "Contract" as used in this EDS, Section 4, I, specifically excludes contracts with the following:

1) Not-For Profit Organizations (defined as a corporation having tax exempt status under Section 501(C)(3) of the United State Internal Revenue Code and recognized under the Illinois State not-for - profit law);

2) Community Development Block Grants;

3) President's Office of Employment Training;

4) Sheriff's Work Alternative Program; and

5) Department of Correction inmates.

REQUIRED DISCLOSURES
(SECTION 5)

1. DISCLOSURE OF LOBBYIST CONTACTS

List all persons or entities that have made lobbying contacts on your behalf with respect to this contract:

Name Address

NONE

2. LOCAL BUSINESS PREFERENCE DISCLOSURE; CODE, CHAPTER 34, SECTION 34-151(p);

"Local Business" shall mean a person authorized to transact business in this State and having a bona fide establishment for transacting business located within Cook County at which it was actually transacting business on the date when any competitive solicitation for a public contract is first advertised or announced and further which employs the majority of its regular, full time work force within Cook County, including a foreign corporation duly authorized to transact business in this State and which has a bona fide establishment for transacting business located within Cook County at which it was actually transacting business on the date when any competitive solicitation for a public contract is first advertised or announced and further which employs the majority of its regular, full time work force within Cook County.

a) Is Bidder a "Local Business" as defined above?

Yes:_____ No: ✓

b) If yes, list business addresses (es) within Cook County:

c) Does Bidder employ the majority of its regular full-time workforce within Cook County?

Yes:_____ No: ✓

3. THE CHILD SUPPORT ENFORCEMENT ORDINANCE (PREFERENCE (CODE, CHAPTER 34, SECTION 34-366)

Every Applicant for a County Privilege shall be in full compliance with any child support order before such Applicant is entitled to receive or renew a County Privilege. When delinquent child support exists, the County shall not issue or renew any County Privilege, and may revoke any County Privilege. All Applicants are required to review the Cook County Affidavit of Child Support Obligations attached to this EDS **and** complete the following, based upon the definitions and other information included in such Affidavit:

_____ Applicant has no "Substantial Owner."

OR

✓ The Cook County Affidavit of Child Support Obligations has been completed by all "Substantial Owners" and is attached to this EDS.

4. REAL ESTATE OWNERSHIP DISCLOSURES.

The Undersigned must indicate by checking the appropriate provision below and providing all required information that either: NA

a)_ ___The following is a complete list of all real estate owned by the Undersigned in Cook County:

PERMANENT INDEX NUMBER(S): __ NA

(ATTACH SHEET IF NECESSARY TO LIST ADDITIONAL INDEX NUMBERS)

OR:

b)_✓_The Undersigned owns no real estate in Cook County.

5. EXCEPTIONS TO CERTIFICATIONS OR DISCLOSURES.

If the Undersigned is unable to certify to any of the Certifications or any other statements contained in this EDS and not explained elsewhere in this EDS, the Undersigned must explain below:

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 Undersigned certified to all Certifications and other statements contained in this EDS.

COOK COUNTY AFFIDAVIT OF CHILD SUPPORT OBLIGATIONS
(Section 5)

Effective July 1, 1998, every applicant for a County Privilege shall be in full compliance with any Child Support Order before such applicant is entitled to receive a County Privilege. When Delinquent Child Support Exists, the County shall not issue or renew any County Privilege, and may revoke any County Privilege.

"*Applicant*" means any person or business entity, including all Substantial Owners, seeking issuance of a County Privilege or renewal of an existing County Privilege from the County. This term shall not include any political subdivision of the federal or state government, including units of local government, and not-for-profit organizations.

"*County Privilege*" means any business license, including but not limited to liquor dealers' licenses, packaged goods licenses, tavern licenses, restaurant licenses, and gun licenses; real property license or lease; permit, including but not limited to building permits, zoning permits or approvals; environmental certificate; County HOME Loan, and contracts exceeding the value of $10,000.00.

"*Substantial Owner*" means any person or persons who own or hold a twenty-five\ percent (25%) or more percentage of interest in any business entity seeking a County Privilege, including those shareholders, general or limited partners, beneficiaries and principals; except where a business entity is an individual or sole proprietorship, Substantial Owner means that individual or sole proprietor.

All Applicants/Substantial Owners are required to complete this affidavit and comply with the Child Support Enforcement Ordinance before any privilege is granted. Signature of this form constitutes a certification the information provided below is correct and complete, and that the individual(s) signing this form has/have personal knowledge of such information.

Privilege Information:

County Privilege: Bidding "Joe Orr Road" Project

County Department: Cook County Highway Department

Applicant Information:

Last name: Sandeno First Name: Todd MI: M.

SS# (Last Four Digits): 7 4 2 4

Street Address: 5550 Bayview Drive

City: Morris State: IL Zip: 60450

Home Phone: (815) 634 - 8993 Drivers License No: S535 8137 1328

Child Support Obligation Information:

The Undersigned applicant, being duly sworn on oath or affirmation hereby states that to the best of my knowledge (place an "X" next to "A", "B", "C", or "D").

X A. The Applicant has no judicially or administratively ordered child support obligations.

____ B. The Applicant has an outstanding judicially or administratively ordered obligation, but is paying in accordance with the terms of the order.

____ C. The Applicant is delinquent in paying judicially or administratively ordered child support obligations

____ D. The Applicant is not a substantial owner as defined above.

The Undersigned applicant understands that failure to disclose any judicially or administratively ordered child support debt owed will be grounds for revoking the privilege.

Signature: [signature] Date: 11/30/2011

Subscribed and sworn to before me this 30th day of November, 2011

X [signature] (Notary) (Seal)

OFFICIAL SEAL
LORI A PIERARD
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:11/17/14

COOK COUNTY AFFIDAVIT OF CHILD SUPPORT OBLIGATIONS
(Section 5)

Effective July 1, 1998, every applicant for a County Privilege shall be in full compliance with any Child Support Order before such applicant is entitled to receive a County Privilege. When Delinquent Child Support Exists, the County shall not issue or renew any County Privilege, and may revoke any County Privilege.

"*Applicant*" means any person or business entity, including all Substantial Owners, seeking issuance of a County Privilege or renewal of an existing County Privilege from the County. This term shall not include any political subdivision of the federal or state government, including units of local government, and not-for-profit organizations.

"*County Privilege*" means any business license, including but not limited to liquor dealers' licenses, packaged goods licenses, tavern licenses, restaurant licenses, and gun licenses; real property license or lease; permit, including but not limited to building permits, zoning permits or approvals; environmental certificate; County HOME Loan, and contracts exceeding the value of $10,000.00.

"*Substantial Owner*" means any person or persons who own or hold a twenty-five\ percent (25%) or more percentage of interest in any business entity seeking a County Privilege, including those shareholders, general or limited partners, beneficiaries and principals; except where a business entity is an individual or sole proprietorship, Substantial Owner means that individual or sole proprietor.

All Applicants/Substantial Owners are required to complete this affidavit and comply with the Child Support Enforcement Ordinance before any privilege is granted. Signature of this form constitutes a certification the information provided below is correct and complete, and that the individual(s) signing this form has/have personal knowledge of such information.

Privilege Information:

County Privilege: Bidding "Joe Orr Road" Project

County Department: Cook County Highway Department

Applicant Information:

Last name: Hansen First Name: Tamara MI: L.

SS# (Last Four Digits): 7 3 6 8

Street Address: 207 S. Grundy,

City: Gardner State: IL Zip: 60424

Home Phone: (815) 237 - 2954 Drivers License No: H 525 8126 3942

Child Support Obligation Information:

The Undersigned applicant, being duly sworn on oath or affirmation hereby states that to the best of my knowledge (place an "X" next to "A", "B", "C", or "D").

X A. The Applicant has no judicially or administratively ordered child support obligations.

____ B. The Applicant has an outstanding judicially or administratively ordered obligation, but is paying in accordance with the terms of the order.

____ C. The Applicant is delinquent in paying judicially or administratively ordered child support obligations

____ D. The Applicant is not a substantial owner as defined above.

The Undersigned applicant understands that failure to disclose any judicially or administratively ordered child support debt owed will be grounds for revoking the privilege.

Signature: Tamara L. Hansen Date: 11/30/2011

Subscribed and sworn to before me this 30th day of November, 20 11

X Lori A. Pierard (Notary) (Seal)

OFFICIAL SEAL
LORI A PIERARD
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:11/17/14

COOK COUNTY DISCLOSURE OF OWNERSHIP INTEREST STATEMENT
(Section 5)

The Cook County Code of Ordinances (§2-610 *et seq.*) requires that any Applicant for any County Action must disclose information concerning ownership interests in the Applicant. This Disclosure of Ownership Interest Statement must be completed with all information current as of the date this Statement is signed. Furthermore, this Statement must be kept current, by filing an amended Statement, until such time as the County Board or County Agency shall take action on the application. The information contained in this Statement will be maintained in a database and made available for public viewing.

If you are asked to list names, but there are no applicable names to list, you must state NONE. An incomplete Statement will be returned and any action regarding this contract will be delayed. A failure to fully comply with the ordinance may result in the action taken by the County Board or County Agency being voided.

"*Applicant*" means any Entity or person making an application to the County for any County Action.

"County Action" means any action by a County Agency, a County Department, or the County Board regarding an ordinance or ordinance amendment, a County Board approval, or other County agency approval, with respect to contracts, leases, or sale or purchase of real estate.

"Entity" or *"Legal Entity"* means a sole proprietorship, corporation, partnership, association, business trust, estate, two or more persons having a joint or common interest, trustee of a land trust, other commercial or legal entity or any beneficiary or beneficiaries thereof.

This Disclosure of Ownership Interest Statement must be submitted by :

1. An Applicant for County Action and
2. An individual or Legal Entity that holds stock or a beneficial interest in the Applicant and is listed on the Applicant's Statement (a "Holder") must file a Statement and complete #1 only under **Ownership Interest Declaration**.

Please print or type responses clearly and legibly. Add additional pages if needed, being careful to identify each portion of the form to which each additional page refers.

This Statement is being made by the [X] Applicant or [ ] Stock/Beneficial Interest Holder

This Statement is an: [X] Original Statement or [ ] Amended Statement

Identifying Information:

Name D. Construction, Inc. D/B/A: _____ EIN NO.: 36-3170008

Street Address: 1488 S. Broadway

City: Gal City State: IL Zip Code: 60416

Phone No.: (815) 634-2555

Form of Legal Entity:

[ ] Sole Proprietor [ ] Partnership [X] Corporation [ ] Trustee of Land Trust

[ ] Business Trust [ ] Estate [ ] Association [ ] Joint Venture

[ ] Other (describe) _____

CONTRACTOR'S
CERTIFICATION CONCERNING LABOR STANDARDS
AND
PREVAILING WAGE REUIREMENTS
(SECTION 6)

To Contractor:

Date: November 30 2011
Project Number: M-9003(741)
Project Name "Joe Orr Road Relocated - East of Stony Island Drive to Torrence Avenue

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)

SUBCONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS
(Section 6)

To Contractor:

Date: 2-13-2012
Project Number: 09-B6736-03-RP
Project Name JOE ORR ROAD (Relocated)

1. The undersigned, if awarded a contract with D Construction, Inc (Contractor) for TRUCKING (Nature of Work) in the amount of $ 100,092.30 in the construction of the above-identified project, certifies that:

   (a) The Labor Standards provisions of the Contract for Construction will be included in the aforesaid contract.

   (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]

   (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.

2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on _____ (Date)

4. He certifies that:

   (a) The legal name and the business address of the undersigned are:

   (b) The undersigned is (check one):
   - ___ Sole Proprietorship
   - ___ Partnership
   - X Corporation
   - ___ Other Organization (Describe)

   (c) The name and address of the owner, partners or officers of the undersigned are:

NAME TITLE ADDRESS
Marlene D. Miller, PRESIDENT
909 WILDFLOWER DRIVE
SHOREWOOD, IL 60404

DATE 2/13/12

SUBCONTRACTOR
X
SIGNATURE

M.D. Miller Trucking + Topsoil, Inc.

Feb. 13. 2012 1:08PM No. 9170 P. 2

SUBCONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS
(Section 6)

To Contractor:

Date: 2-13-2012
Project Number: 09-B6736-03 RP
Project Name JOE ORR ROAD (RELOCATED)

1. The undersigned, if awarded a contract with D. Construction Inc. (Contractor) for TRUCKING (Nature of Work) in the amount of $ 383,713.50 in the construction of the above-identified project, certifies that:

   (a) The Labor Standards provisions of the Contract for Construction will be included in the aforesaid contract.

   (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]

   (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.

2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on _____ (Date).

4. He certifies that:

   (a) The legal name and the business address of the undersigned are:

   (b) The undersigned is (check one):
   - ___ Sole Proprietorship
   - ___ Partnership
   - X Corporation
   - ___ Other Organization (Describe)

   (c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
J. Jasso trucking	President	5719 S Homan ave

DATE 2-13-12

SUBCONTRACTOR
X Joe Jasso
SIGNATURE
J. Jasso Trucking

Received Fax : 13 Feb 2012 1:36PM Fax Station : J. Jasso Trucking Page 2
Feb. 13. 2012 12:34PM No. 9166 P. 2

SUBCONTRACTOR'S CERTIFICATION CONCERNING LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS

(Section 8)

To Contractor:

Date: 2-13-2012
Project Number: 09 B6736-03 RP
Project Name: Joe Orr Road

1. The undersigned, if awarded a contract with D Construction, Inc (Contractor) for Striping (Nature of Work) in the amount of $ 68,447.60 in the construction of the above-identified project, certifies that:

(a) The Labor Standards provisions of the Contract for Construction will be included in the aforesaid contract.

(b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended (40 U.S.C. 276a-2(a))

(c) No part of the aforementioned contract has been or will be subcontracted to any Subcontractor if such subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.

2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on 9/15/12 (Date)

4. He certifies that:

(a) The legal name and the business address of the undersigned are:

(b) The undersigned is (check one):
- ___ Sole Proprietorship
- ___ Partnership
- X Corporation
- ___ Other Organization (Describe)

(c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
Alfredo Zavala	President	1430 Royal Court Elgin, IL 60123
Dolores M. Buerer	Sec/Treas	1622 S. Princeton Arlington Hts. IL 60005
Robert K. Buerer	Vice President	" " " " " " "

DATE 2/15/12

SUBCONTRACTOR
x Robert K. Buerer
SIGNATURE
Marking Specialists

SUBCONTRACTOR'S CERTIFICATION CONCERNING LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS

(Section 6)

To Contractor:

Date: 2-13-2012
Project Number: 09-BL731-03-RP
Project Name: JOE ORR ROAD (Relocated)

1. The undersigned, if awarded a contract with D CONSTRUCTION, INC (Contractor) for Landscaping (Nature of Work) in the amount of $270,423.65 in the construction of the above-identified project, certifies that:

(a) The Labor Standards provisions of the Contract for Construction will be included in the aforesaid contract.

(b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]

(c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.

2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on _____ (Date)

4. He certifies that:

(a) The legal name and the business address of the undersigned are:

(b) The undersigned is (check one):
____ Sole Proprietorship
____ Partnership
✓ Corporation
____ Other Organization (Describe)

(c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
ENRIQUE JAMES	PRES	11833 COUNTY LINE RD GARDEN PRAIRIE, IL 61038

DATE 2-13-12

SUBCONTRACTOR
X
SIGNATURE Laredo Systems.

SUBCONTRACTOR'S CERTIFICATION CONCERNING
LABOR STANDARDS AND PREVAILING WAGE REQUIREMENTS
(Section 6)

To Contractor:

Date: 2-13-2012
Project Number: 09-B6736-03-RP
Project Name: JOE DRR ROAD (Relocated)

1. The undersigned, if awarded a contract with D Construction Inc (Contractor) for Concrete (Nature of Work) in the amount of $332,163.25 in the construction of the above-identified project, certifies that:

   (a) The Labor Standards provisions of the Contract for Construction will be included in the aforesaid contract.

   (b) Neither he nor any firm, corporation, partnership or association in which he has a substantial interest is designated as an ineligible contractor by the Comptroller General of the United States pursuant to Section 5.6(b) of the Regulations of the Secretary of Labor, Part 5 (29CFR Part 5) or pursuant to the Section 3(a) of the Davis-Bacon Act, as amended [40 U.S.C. 276a-2(a)]

   (c) No part of the aforementioned Contract has been or will be subcontracted to any Subcontractor if such Subcontractor or any firm, corporation, partnership or association in which such Subcontractor has a substantial interest is designated as an ineligible Contractor pursuant to any of the aforementioned regulatory or statutory provisions.

2. He agrees to obtain and forward to the aforementioned recipient within ten days after the execution of any subcontract, including those executed by his Subcontractor any lower tier subcontractor, a Subcontractor's Certification Concerning Labor Standards and Prevailing Wages Requirements executed by the Subcontractors.

3. The workmen will report for duty on _____ (Date)

4. He certifies that:

   (a) The legal name and the business address of the undersigned are:

   (b) The undersigned is (check one):
   - ___ Sole Proprietorship
   - ___ Partnership
   - X Corporation
   - ___ Other Organization (Describe)

   (c) The name and address of the owner, partners or officers of the undersigned are:

NAME	TITLE	ADDRESS
Jobie Mosley	President	3838 W 7940 N Rd Manteno, IL 60950

DATE 2/15/2012

SUBCONTRACTOR
X [signature]
SIGNATURE

Mosley Construction, Inc

BIDDER'S SIGNATURE SHEET

(If an Individual)
Signature of Bidder _____

Residence Address _____

Business Address _____

City of _____, State of _____

(If a co-partnership)

Firm Name _____

By _____

Business Address _____

NAMES AND RESIDENCE ADDRESSES OF MEMBERS OF THE FIRM

_____

_____

(If a Corporation)
Corporate Name D. Construction, Inc.

By _____
It's _____ President

Business Address 1488 S. Broadway, Coal City, IL 60416

(Corporate Seal) State of Incorporation Illinois

NAMES OF OFFICERS

President Kenneth Sandeno
Residence Address 5540 Bayview Drive, Morris, IL 60450
Vice President Todd Sandeno
Residence Address 5550 Bayview Drive, Morris, IL 60450
Secretary Tamara L. Hansen
Residence Address 207 S. Grundy, Gardner, IL 60424
Treasurer Tamara L. Hansen
Residence Address 207 S. Grundy, Gardner, IL 60424

ATTEST: _____ /It's _____ Secretary

SURETY'S STATEMENT
of
QUALIFICATION FOR BONDING
(Section 10)

This document must be accurately executed (by the Surety Company) and yielded as part of this Bid.

IF THIS DOCUMENT IS NOT ACCURATELY EXECUTED AND SUBMITTED WITH THE BID PACKAGE, THIS CONSTITUTES CAUSE FOR DISQUALIFICATION OF THE VENDOR FROM BIDDING ON THIS CONTRACT.

The undersigned confirms that: Liberty Mutual Insurance Company
(SURETY COMPANY)

would execute a Performance/Payment Bond in favor of the County of Cook for the full amount

of the bid/contract: Contract Document 11-28-160
(NUMBER)

to: D. Construction, Inc.
(BIDDER)

The penalty of this bond is to be $ 7,181,814.19
(TOTAL DOLLAR AMOUNT OF CONTRACT)

SURETY

Robert H. Walker
(SURETY COMPANY'S AUTHORIZED SIGNATURE)

CORPORATE

Robert H. Walker
(ATTORNEY-IN-FACT)

002283 23043
AMB # NAIC

SEAL

Surety Company Acknowledgment

STATE OF Illinois

COUNTY OF Will ss.:

On this 10th day of February 2012, before me personally appeared Robert H. Walker, to me known, who, being by me duly sworn, did depose and say: that he reside(s) at New Lenox, Illinois; that he is/are the Attorney-in-fact of Liberty Mutual Insurance Company, the corporation described in and which executed the annexed instrument; that he know(s) the corporate seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation; that he signed the same name(s) thereto by like order; and that the liabilities of said corporation do not exceed its assets as ascertained in the manner provided by law.

"OFFICIAL SEAL"
KIMBERLY GORMAN
Notary Public, State of Illinois
My Commission Expires 08/04/15

Kimberly Gorman
(Notary Public in and for the above County and State)

BOND-3768-A

My commission expires 08/04/15

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

4869433

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

LIBERTY MUTUAL INSURANCE COMPANY
BOSTON, MASSACHUSETTS
POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS: That Liberty Mutual Insurance Company (the "Company"), a Massachusetts stock insurance company, pursuant to and by authority of the By-law and Authorization hereinafter set forth, does hereby name, constitute and appoint **KEVIN J. SCANLON, GARY A. EATON, ROB W. KEGLEY JR, R. L. MCWETHY, ROBERT H. WALKER, ALL OF THE CITY OF NEW LENOX, STATE OF ILLINOIS**

, each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations in the penal sum not exceeding **ONE HUNDRED FIFTY MILLION AND 00/100** **DOLLARS ($ 150,000,000.00**) each, and the execution of such undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents, shall be as binding upon the Company as if they had been duly signed by the president and attested by the secretary of the Company in their own proper persons.

That this power is made and executed pursuant to and by authority of the following By-law and Authorization:

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.
Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

By the following instrument the chairman or the president has authorized the officer or other official named therein to appoint attorneys-in-fact:

Pursuant to Article XIII, Section 5 of the By-Laws, David M. Carey, Assistant Secretary of Liberty Mutual Insurance Company, is hereby authorized to appoint such attorneys-in-fact as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

That the By-law and the Authorization set forth above are true copies thereof and are now in full force and effect.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Company and the corporate seal of Liberty Mutual Insurance Company has been affixed thereto in Plymouth Meeting, Pennsylvania this day of 23rd day of September, 2011.

LIBERTY MUTUAL INSURANCE COMPANY

By David M. Carey
David M. Carey, Assistant Secretary

COMMONWEALTH OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 23rd day of September, 2011, before me, a Notary Public, personally came David M. Carey, to me known, and acknowledged that he is an Assistant Secretary of Liberty Mutual Insurance Company; that he knows the seal of said corporation; and that he executed the above Power of Attorney and affixed the corporate seal of Liberty Mutual Insurance Company thereto with the authority and at the direction of said corporation.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.

Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires Mar. 28, 2013
Member, Pennsylvania Association of Notaries

By Teresa Pastella
Teresa Pastella, Notary Public

CERTIFICATE
I, the undersigned, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this certificate; and I do further certify that the officer or official who executed the said power of attorney is an Assistant Secretary specially authorized by the chairman or the president to appoint attorneys-in-fact as provided in Article XIII, Section 5 of the By-laws of Liberty Mutual Insurance Company.

This certificate and the above power of attorney may be signed by facsimile or mechanically reproduced signatures under and by authority of the following vote of the board of directors of Liberty Mutual Insurance Company at a meeting duly called and held on the 12th day of March, 1980.

VOTED that the facsimile or mechanically reproduced signature of any assistant secretary of the company, wherever appearing upon a certified copy of any power of attorney issued by the company in connection with surety bonds, shall be valid and binding upon the company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said company, this 10th day of February, 2012.

Gregory W. Davenport, Assistant Secretary

currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

SURETY BOND FORM - BOND #268001292

(Section 11)

KNOW ALL MEN: That we D. Construction, Inc., 1488 S Broadway, Coal City, IL 60416 hereinafter called the Principal, and Liberty Mutual Insurance Company, 175 Berkeley Street, Boston, MA 02116 and

(Insert here name and address or legal title of one or more sureties)

n/a and

n/a

hereinafter called the Surety are held and firmly bound unto The County of Cook, a body politic and corporate of the State of Illinois hereinafter called the County, and to such persons, firms and corporations having contracts with the within named Principal or with sub-contractors for the furnishing of materials or labor to the improvement contemplated in the contract hereinafter mentioned, in the penal sum of Seven Million One Hundred Eighty One Thousand Eight Hundred Fourteen & 19/100 Dollars ($7,181,814.19) for the payment whereof the Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally firmly, by these presents.

Whereas, the Principal has under date of MARCH 1, 2012 entered into a Contract with the County for **JOE ORR ROAD (RELOCATED) EAST OF STONY ISLAND AVENUE TO TORRENCE AVENUE: Section 09-B6736-03-RP, ROUTE B67. FEDERAL PROJECCT NO. M-9003(741). FEDERAL JOB NO. C-91-184-11.**

Now, therefore, the Condition of this Obligation is such that if the Principal shall faithfully perform the work in accordance with the terms of said contract and shall commence and complete the work within the time prescribed in said contract, and shall indemnify and save harmless the County from any direct or indirect damages that may be suffered or claimed on account of such construction, or improvement during the time of the performance thereof, and in addition thereto for a period of one year after said improvement is accepted and shall promptly make payment of all sums due for labor, material, apparatus, fixtures or machinery furnished for the purpose of such construction or improvement, and shall have complied with the requirement in said contract for the payment of not less than the general prevailing wage rates to all laborers, workmen and mechanics in accordance with the findings of The Board of County Commissioners for The County of Cook in compliance with "An Act regulating wages of laborers, mechanics and other workmen employed under contracts for public work," Approved June 26, 1941, as amended, or to such wage rates as may be determined by the court on appeal as is in said Act provided, then this Obligation shall be null and void; otherwise it shall remain in full force and effect.

And the said surety, for value received, hereby stipulates and agrees that no extension of time for performance provided for in said contract, and that no change, alteration or addition to the terms of the contract or to the work to be performed there under shall in any wise affect its obligation under this bond,

and it does hereby waive notice of any such extension of time, change alteration or addition to the terms of the contract or to the work to be performed there under.
Contract dated: MARCH 1, 2012

For **JOE ORR ROAD (RELOCATED) EAST OF STONY ISLAND AVENUE TO TORRENCE AVENUE: Section 09-B6736-03-RP, ROUTE B67. FEDERAL PROJECCT NO. M-9003(741). FEDERAL JOB NO. C-91-184-11.**

The principal and sureties on this bond agree to pay all persons, firms and corporations having contracts with the principal or with sub-contractors, all just claims due them under the provisions of such contracts for labor performed or materials furnished, in the performance of the contract on account of which this bond is given, when such claims are not satisfied out of the contract price of the contract on account of which this bond is given, after final settlement between the County and the Principal has been made, in accordance with the provisions of "An Act in relation to bonds of contractors entering into contracts for public construction." Approved June 20, 1931, as amended.

Signed and sealed this 10th day of February A.D.20 12.

In the Presence of
ATTEST:

D. Construction, Inc. (Seal)
Principal

Tamara L. Hansen
It's Secretary

By
It's President - Kenneth Sandeno

Liberty Mutual Insurance Company (Seal)
Surety

By Robert H. Walker (Seal)
It's Attorney in Fact - Robert H. Walker

Approved as to form:

By Karen McKee
Assistant State's Attorney

Surety
Company
Acknowledgment

STATE OF Illinois

COUNTY OF Will ss.:

On this 30th day of November 2011, before me personally appeared Robert H. Walker, to me known, who, being by me duly sworn, did depose and say: that he reside(s) at New Lenox, Illinois; that he is/are the Attorney-in-fact of Liberty Mutual Insurance Company, the corporation described in and which executed the annexed instrument; that he know(s) the corporate seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation; that he signed the same name(s) thereto by like order; and that the liabilities of said corporation do not exceed its assets as ascertained in the manner provided by law.

"OFFICIAL SEAL"
KIMBERLY GORMAN
Notary Public, State of Illinois
My Commission Expires 08/04/15

Kimberly Gorman
(Notary Public in and for the above County and State)

BOND-3768-A

My commission expires 08/04/15

4631084

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

LIBERTY MUTUAL INSURANCE COMPANY
BOSTON, MASSACHUSETTS
POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS: That Liberty Mutual Insurance Company (the "Company"), a Massachusetts stock insurance company, pursuant to and by authority of the By-law and Authorization hereinafter set forth, does hereby name, constitute and appoint KEVIN J. SCANLON, GARY A. EATON, ROB W. KEGLEY JR., R. L. MCWETHY, ROBERT H. WALKER, ALL OF THE CITY OF NEW LENOX, STATE OF ILLINOIS, each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations in the penal sum not exceeding ONE HUNDRED FIFTY MILLION AND 00/100 DOLLARS ($ 150,000,000.00) each, and the execution of such undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents, shall be as binding upon the Company as if they had been duly signed by the president and attested by the secretary of the Company in their own proper persons.

That this power is made and executed pursuant to and by authority of the following By-law and Authorization:

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.
Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

By the following instrument the chairman or the president has authorized the officer or other official named therein to appoint attorneys-in-fact:

Pursuant to Article XIII, Section 5 of the By-Laws, David M. Carey, Assistant Secretary of Liberty Mutual Insurance Company, is hereby authorized to appoint such attorneys-in-fact as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

That the By-law and the Authorization set forth above are true copies thereof and are now in full force and effect.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Company and the corporate seal of Liberty Mutual Insurance Company has been affixed thereto in Plymouth Meeting, Pennsylvania this day of 6th day of June, 2011.

LIBERTY MUTUAL INSURANCE COMPANY

By David M. Carey
David M. Carey, Assistant Secretary

COMMONWEALTH OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 6th day of June, 2011, before me, a Notary Public, personally came David M. Carey, to me known, and acknowledged that he is an Assistant Secretary of Liberty Mutual Insurance Company; that he knows the seal of said corporation; and that he executed the above Power of Attorney and affixed the corporate seal of Liberty Mutual Insurance Company thereto with the authority and at the direction of said corporation.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.

Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires Mar. 28, 2013
Member, Pennsylvania Association of Notaries

By Teresa Pastella
Teresa Pastella, Notary Public

CERTIFICATE

I, the undersigned, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this certificate, and I do further certify that the officer or official who executed the said power of attorney is an Assistant Secretary specially authorized by the chairman or the president to appoint attorneys-in-fact as provided in Article XIII, Section 5 of the By-laws of Liberty Mutual Insurance Company.

This certificate and the above power of attorney may be signed by facsimile or mechanically reproduced signatures under and by authority of the following vote of the board of directors of Liberty Mutual Insurance Company at a meeting duly called and held on the 12th day of March, 1980.

VOTED that the facsimile or mechanically reproduced signature of any assistant secretary of the company, wherever appearing upon a certified copy of any power of attorney issued by the company in connection with surety bonds, shall be valid and binding upon the company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said company, this 30th day of November, 2011.

Gregory W. Davenport, Assistant Secretary

currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

BID DEPOSIT FORM

AS REQUIRED BY INSTRUCTION TO BIDDER OF/AND IN CONJUNCTION WITH THE BID HEREWITH SUBMITTED

(THIS FORM MUST BE SUBMITTED WITH THE BID)

TO: COOK COUNTY HIGHWAY DEPARTMENT

BID FOR: Joe Orr Road - Relocated
East of Stony Island Avenue to Torrence Avenue

BID OPENING DATE: 11/30/2011

We deposit (subject to all condition of said proposal) the following described deposit check:

( ) Cashier's Check ( ) Bank Draft (✓) Bid Bond ( ) Other

Drawn on: _____ **of** _____
Bank City State

Draft or Check Number: _____ **Dated:** _____

Amount: $ Five Percent Bid Bond

Submitted by: D- Construction Inc.
Bidder's Name

1488 S. Broadway
Street Address

Coal City IL 60416
City State Zip Code

DO NOT WRITE IN THE SPACES BELOW

The Above Described Deposit Check is:

1. ( ) HELD: _____ DATE: _____
2. ( ) MAILED: _____ DATE: _____
3. ( ) DELIVERED TO: _____ DATE: _____
4. ( ) BOND SUBSTITUTED: _____ DATE: _____
5. ( ) BOND MAILED TO: _____ DATE: _____

COUNTY OF COOK
DEPARTMENT OF HIGHWAYS

Proposal Bid Bond

*Surety's Statement of Qualification for Bonding Attached**

Project Joe Orr Road - Relocated
Section 09-B6736-03-RP
Date 11-30-2011
Letting November 30, 2011

We D. Construciton, Inc. as PRINCIPAL, and Liberty Mutual Insurance Company as SURETY, are held and firmly bound unto the County of Cook a body politic and corporate of the state of Illinois herein after called the County in the penal sum of 5% of the total bid price, or for the amount specified in Article 102.09 of the "Standard Specifications for Road and Bridge Construction" in effect on the date of invitation for bids. We bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly to pay to the County this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said PRINCIPAL is submitting a written proposal to the County acting through its awarding agency for the construction of the work designated as the above section.

THEREFORE, if the proposal is accepted and a contract awarded to the PRINCIPAL by the County for the above-designated section, and the PRINCIPAL shall within fifteen (15) days after award enter into a formal contract, furnish surety guaranteeing the faithful performance of the work, and furnish the required insurance coverage, all as provided in the "Standard Specifications for Road and Bridge Construction" and applicable Supplemental Specifications, then this obligation shall become void; otherwise it shall remain in full force and effect.

IN THE EVENT the County determines the PRINCIPAL has failed to enter into a formal contract in compliance with any requirements set forth in the preceding paragraph, then the County acting through its awarding agency shall immediately be entitled to recover the full penal sum set out above, together with all court costs, all attorney fees, and any other expense of recovery.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers and their corporate seals to be hereunto affixed this 30th day of November A.D. 20 11.

PRINCIPAL

D. Construction, Inc.
(Company Name) (Seal)

BY: Kenneth Sandeno (Signature & Title) President

(Company Name) (Seal)

BY: (Signature & Title)

(If PRINCIPAL is a joint venture of two or more contractors, the company names, seals and authorized signatures of each contractor must be affixed.)

SURETY

Liberty Mutual Insurance Company
(Name of Surety) (Seal)

BY: Robert H Walker (Signature of Attorney-In-Fact)
Robert H. Walker

STATE OF ILLINOIS,
COUNTY OF ~~XXXX~~ WILL

I, Brandie Catlin, a Notary Public in and for Cook County, do hereby certify that Kenneth Sandeno and Robert H. Walker
(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 30th day of November A.D. 20 11.

My commission expires 03/31/14

"OFFICIAL SEAL"
BRANDIE CATLIN
Notary Public, State of Illinois
My Commission Expires 03/31/14

Brandie Catlin
Notary Public

NOTICE

1. IMPROPER EXECUTION OF THIS FORM (i.e. MISSING SIGNATURES OR SEALS OR INCOMPLETE CERTIFICATION) WILL RESULT IN BID BEING DECLARED IRREGULAR.
2. IF BID BOND IS USED IN LIEU OF PROPOSAL GUARANTY CHECK, IT MUST BE ON THIS FORM AND MUST BE SUBMITTED WITH BID.

CONTRACT
(SECTION 10)

This AGREEMENT made and entered into this 1st day of March A.D., 20 12 by and between The County of Cook, party of the first part and hereinafter called County, and D. Construction, 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 Joe Orr Road (Relocated) – East of Stony Island Avenue to Torrence Avenue. Federal Project No.: M-9003(741); Federal Job No.: C-91-184-11; Cook County Purchasing Contract No.: 11-28-160. In the Township of Bloom County of Cook, and State of Illinois, said section known or to be known as Section: 09-B6736-03-RP Route B67 at his own cost and expense, free from all liens, claims, and charges whatsoever, and in a good substantial, thorough and workmanlike manner, and in strict and full accordance, conformity and compliance with all the terms and conditions of this contract and the requirements under it of the County Superintendent of Highways of Cook County, Illinois, and under the direction and to the satisfaction of the said County Superintendent of Highways.

It is expressly understood and agreed by and between said County and said Contractor that the Bid hereto attached and Notice to Contractors, Specifications, Plans, Maps, Blue Prints, and Drawings, on file in the Office of the County Superintendent of Highways of Cook County, Illinois, and in the office of the Department of Transportation, Springfield, Illinois, copies of which are hereto attached, hereby are included in and made a part of this contract.

The Contractor shall not begin construction operations until the contract has been approved by the Board of Cook County Commissioners and fully executed by the County. Subsequent to contract execution, the Contractor will be notified by a notice-to-proceed letter from the County Superintendent of Highways of the County of Cook to commence operations on a specified date. The undersigned agrees to start construction operations on the date so specified and to complete the proposed improvement in full compliance with the contract on or before November 16, 2012.

The County Superintendent of Highways shall at the end of each month make an estimate in writing, such as in his opinion shall be just and fair, of the amount of materials furnished, delivered, properly set in place and incorporated into the herein described improvement, and the amount of work properly done by said Contractor in the performance of the work hereunder and the value thereof under and according to the terms of this contract.

4631080

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

LIBERTY MUTUAL INSURANCE COMPANY
BOSTON, MASSACHUSETTS
POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS: That Liberty Mutual Insurance Company (the "Company"), a Massachusetts stock insurance company, pursuant to and by authority of the By-law and Authorization hereinafter set forth, does hereby name, constitute and appoint KEVIN J. SCANLON, GARY A. EATON, ROB W. KEGLEY JR., R. L. MCWETHY, ROBERT H. WALKER, ALL OF THE CITY OF NEW LENOX, STATE OF ILLINOIS, each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations in the penal sum not exceeding ONE HUNDRED FIFTY MILLION AND 00/100 DOLLARS ($ 150,000,000.00) each, and the execution of such undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents, shall be as binding upon the Company as if they had been duly signed by the president and attested by the secretary of the Company in their own proper persons.

That this power is made and executed pursuant to and by authority of the following By-law and Authorization:

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.
Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

By the following instrument the chairman or the president has authorized the officer or other official named therein to appoint attorneys-in-fact:

Pursuant to Article XIII, Section 5 of the By-Laws, David M. Carey, Assistant Secretary of Liberty Mutual Insurance Company, is hereby authorized to appoint such attorneys-in-fact as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

That the By-law and the Authorization set forth above are true copies thereof and are now in full force and effect.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Company and the corporate seal of Liberty Mutual Insurance Company has been affixed thereto in Plymouth Meeting, Pennsylvania this day of 6th day of June, 2011.

LIBERTY MUTUAL INSURANCE COMPANY

By David M. Carey
David M. Carey, Assistant Secretary

COMMONWEALTH OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 6th day of June, 2011, before me, a Notary Public, personally came David M. Carey, to me known, and acknowledged that he is an Assistant Secretary of Liberty Mutual Insurance Company; that he knows the seal of said corporation; and that he executed the above Power of Attorney and affixed the corporate seal of Liberty Mutual Insurance Company thereto with the authority and at the direction of said corporation.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at Plymouth Meeting, Pennsylvania, on the day and year first above written.

Notarial Seal
Teresa Pastella, Notary Public
Plymouth Twp., Montgomery County
My Commission Expires Mar. 28, 2013
Member, Pennsylvania Association of Notaries

By Teresa Pastella
Teresa Pastella, Notary Public

CERTIFICATE
I, the undersigned, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy, is in full force and effect on the date of this certificate; and I do further certify that the officer or official who executed the said power of attorney is an Assistant Secretary specially authorized by the chairman or the president to appoint attorneys-in-fact as provided in Article XIII, Section 5 of the By-laws of Liberty Mutual Insurance Company.

This certificate and the above power of attorney may be signed by facsimile or mechanically reproduced signatures under and by authority of the following vote of the board of directors of Liberty Mutual Insurance Company at a meeting duly called and held on the 12th day of March, 1980.

VOTED that the facsimile or mechanically reproduced signature of any assistant secretary of the company, wherever appearing upon a certified copy of any power of attorney issued by the company in connection with surety bonds, shall be valid and binding upon the company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the said company, this 30th day of November, 2011.

Gregory W. Davenport, Assistant Secretary

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

The first estimate shall cover the amount of work performed and the value of the materials properly set in place and incorporated into the herein described improvement since said Contractor commenced the performance of this contract, and each subsequent estimate, except the final one, shall be of the amount of work performed and the value of the materials properly set in place and incorporated into said improvement since the last preceding estimate was made.

Such estimates of amount and quality shall not be required to be made by strict measurement, but shall be sufficient if they are made approximately only, and each such estimate shall be submitted to the Board of County Commissioners of Cook County and upon approval by said Board of Commissioners said County shall pay to said Contractor ninety per cent (90%) of the amount stated in said estimates.

At least one week before each payment falls due, said Contractor shall submit to said County Superintendent of Highways requisition for such payment, and, shall, if required, submit therewith an itemized statement of the quantities and cost and proportionate profit of work performed to the termination of the period to be covered by such payment, together with an affidavit setting forth that the items in said statement are true and just, that the services were rendered, that the articles or materials were furnished, that the sum claimed is due and unpaid, after allowing all just credits, that all labor, materials, apparatus, fixtures, and machinery furnished or used have been paid for, and if not, stating those not paid for, giving the amount due, to whom due, and for what due, attaching to said affidavit waivers of lien from those mentioned in said exceptions as having unpaid claims, and such affidavit shall contain such other matter as may be deemed necessary by the said County Superintendent of Highways to protect said County in its payments, and any such statement shall not be binding upon said County Superintendent of Highways.

There shall be deducted from the amount so determined for the first fifty (50) percent of the completed work a sum of ten (10) percent to be retained until after the completion of the entire work to the satisfaction of the County. After fifty (50) percent or more of the work is completed, the County may, at its discretion, certify the remaining partial payments without any further retention, provided that satisfactory progress is being made, and provided that the amount retained is not less than five (5) percent of the total adjusted contract price.

It is expressly agreed by the parties hereto that in the event any defects or imperfections in the materials or workmanship to be furnished by the Contractor herein appear within the period of one year from the date of completion of all the work mentioned herein and the acceptance thereof by said County, the Contractor will, upon notice from the said County Superintendent of Highways, (which notice may be given by letter mailed to said Contractor to the business address of the Contractor shown in the Proposal), repair and make good at his own cost any such defects or imperfections and replace any defective or imperfect materials or workmanship with other materials or workmanship satisfactory to said County Superintendent of Highways, and furnish all such new materials and labor as may be necessary to do so; and in the event of the failure, refusal or delay of said Contractor to so make good, repair or replace said workmanship or materials, said County may do so or have same done by others, and said Contractor and the surety or sureties on his bond given for the faithful performance of this contract shall be liable to The County of Cook for all damages and expense occasioned by such failure, refusal or delay.

It is expressly and mutually covenanted and agreed that all of the Plans and Specifications hereinbefore mentioned and this Instrument together are the documents forming the contract between said County and said Contractor and are correlative, and whatever may be provided for and required by one of said documents shall be as binding as if provided for and required by two or more of them.

The Contractor expressly agrees that not less than the general prevailing rate of wages as found by The Board of County Commissioners for The County of Cook in accordance with the provisions of "An Act regulating wages of laborers, mechanics and other workmen employed under contracts for public works", Approved June 26, 1941, as amended, or such wage rates as may be determined by the court on appeal as in said Act provided, shall be paid to all laborers, workmen and mechanics performing work under this contract. The prevailing wage rates as found by the said Board of County Commissioners are on file in the office of the County Clerk for the County of Cook.

It is expressly understood and agreed that if the said Contractor shall fail, refuse or neglect to comply with said contract and Plans and Specifications or any provisions therein contained, or to proceed according to the terms of said contract and Plans and Specifications or any part thereof, in the manner and at the time as directed by the said County Superintendent of Highways, then the said County shall have the right, and The Board of County Commissioners of Cook County is hereby given authority on behalf of the said County to declare this contract forfeited, and the said County may re-bid the whole or any part thereof upon such terms as it may see fit without prejudice to any of its rights herein.

It is expressly understood and agreed by the parties hereto that the County Superintendent of Highways shall fix and determine the amount of damages to be paid to said County by the said Contractor by reason of the failure or refusal to perform this contract or comply with the provisions thereof as aforesaid, and the said Contractor hereby agrees to be held liable for the amount so fixed and determined and agrees to pay such amount; and the said County shall apply in payment of any such amount so fixed and determined any and all sums on hand or due and owing to said Contractor, and if there be not sufficient money on hand or due and owing to said Contractor to balance and pay said amount so fixed and determined, then, in such case, any amount remaining unpaid shall be a valid and subsisting claim against the said Contractor and the surety or sureties on his bond given for the faithful performance of this agreement.

COOK COUNTY SIGNATURE PAGE
(SECTION 9)

ON BEHALF OF THE COUNTY OF COOK, A BODY POLITIC AND CORPORATE OF THE STATE OF ILLINOIS, THIS CONTRACT IS HEREBY EXECUTED BY:

Toni Preckwinkle

PRESIDENT, COOK COUNTY BOARD OF COMMISSIONERS

María de Lourdes Cox

CHIEF PROCUREMENT OFFICER

Robert Reinhold

COOK COUNTY COMPTROLLER

DATED AT CHICAGO, ILLINOIS THIS 1st DAY OF MARCH, 2012.

IN THE CASE OF A BID, THE COUNTY HEREBY ACCEPTS:

THE FOREGOING BID AS IDENTIFIED IN THE CONTRACT DOCUMENTS FOR CONTRACT NUMBER

11-28-160

OR

ITEM(S), SECTION(S), PART(S): Joe Orr Road – Relocated – East of Stony Island Avenue to Torrence Avenue

Section: 09-B6736-03-RP; Federal Project No.: M-9003(741); Federal Job No.: C-91-184-11

TOTAL AMOUNT OF CONTRACT: $7,181,814.19
(DOLLARS AND CENTS)

FUND CHARGEABLE: 600-600

APPROVED AS TO FORM:

ASSISTANT STATE'S ATTORNEY

EXECUTION BY A PARTNERSHIP (AND/OR A JOINT VENTURE)

The undersigned acknowledges receipt of a full set of Contract Documents for Contract and Addenda Numbers_____ (None unless indicated here). The undersigned makes the foregoing Bid Proposal subject to all of the terms and conditions of the Contract Documents. The undersigned certifies that all of the foregoing statements of the Contractor Certifications are true and correct. The undersigned warrants that all of the facts and information submitted by the undersigned in connection with this Bid Proposal are true and correct. Upon award and execution of the Contract by the Cook County Board of Commissioners, the undersigned agrees that execution of this Bid Proposal shall stand as the undersigned's execution of this Contract.

FIRM # 1/ MANAGING PARTY:_____

FIRM # 1/ MANAGING PARTY BUSINESS ADDRESS:_____

FIRM # 1/ MANAGING PARTY BUSINESS TELEPHONE:_____ FAX NUMBER:_____

FIRM # 1/ MANAGING PARTY CONTACT PERSON:_____ FEIN/SSN #:_____

FIRM # 2 BUSINESS NAME:_____

FIRM # 2 BUSINESS ADDRESS:_____

FIRM # 2 BUSINESS TELEPHONE:_____ FAX NUMBER:_____

FIRM # 2 CONTACT PERSON:_____ FEIN/SSN #:_____

*COMPLETE LIST OF REAL ESTATE OWNED IN COOK COUNTY:

PERMANENT INDEX NUMBERS(S): FIRM # 1/MANAGING PARTY:_____
FIRM # 1/MANAGING PARTY:_____
FIRM # 1/MANAGING PARTY:_____
FIRM # 2:_____
FIRM # 2:_____

IF NOT APPLICABLE, YOU MUST INDICATE THAT IT IS NOT APPLICABLE
(ATTACH SHEET IF NECESSARY TO LIST ADDITIONAL INDEX NUMBERS)

**COOK COUNTY BUSINESS REGISTRATION NUMBER:_____

SIGNATURE OF PARTNER AUTHORIZED TO EXECUTE
CONTRACTS ON BEHALF OF PARTNERSHIP:

*** BY: X_____ Date:_____

Subscribed and Sworn to

Before me this _____ day of _____, 20_____

My commission expires:

X_____ _____
Notary Public Signature Notary Seal

* REQUIRED PER COOK COUNTY ORDINANCE CHAPTER 10, SECTION 10-6.1.

** If you are operating under an assumed name, provide the Cook County Registration Number hereunder as provided by Illinois Compiled Statutes, 805 ILCS 405/1.

*** Attach hereto a partnership resolution or other document authorizing execution of this Proposal on behalf of the Partnership.

EXECUTION BY A CORPORATION

The undersigned acknowledges receipt of a full set of Contract Documents for Contract and Addenda Numbers 1, 2 and 3 (None unless indicated here). The undersigned makes the foregoing Bid Proposal subject to all of the terms and conditions of the Contract Documents. The undersigned certifies that all of the foregoing statements of the Contractor Certifications are true and correct. The undersigned warrants that all of the facts and information submitted by the undersigned in connection with this Bid Proposal are true and correct. Upon award and execution of the Contract by the Cook County Board of Commissioners, the undersigned agrees that execution of this Bid Proposal shall stand as the undersigned's execution of this Contract.

BUSINESS NAME: D. Construction, Inc.

BUSINESS ADDRESS: 1488 S. Broadway, Coal City, IL 60416

BUSINESS TELEPHONE: 815-634-2555 FAX NUMBER: 815-634-8748

CONTACT PERSON: Tami Hansen

FEIN: 36-3170008 *IL CORPORATE FILE NUMBER:

** COMPLETE LIST OF REAL ESTATE OWNED IN COOK COUNTY

PERMANENT INDEX NUMBER(S): None

IF NOT APPLICABLE, YOU MUST INDICATE THAT IT IS NOT APPLICABLE (ATTACH SHEET IF NECESSARY TO LIST ADDITIONAL INDEX NUMBERS).

LIST ALL CORPORATE OFFICERS:

PRESIDENT: Kenneth Sandeno VICE PRESIDENT: Todd Sandeno

SECRETARY: Tami Hansen TREASURER: Tami Hansen

***SIGNATURE OF PRESIDENT: X

ATTEST: X Tamara L. Hansen (CORPORATE SECRETARY)

Subscribed and Sworn to

before me this 14th day of February 2012

My commission expires 11/17/2014

OFFICIAL SEAL
LORI A PIERARD
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES:11/17/14

X Lori A. Pierard
Notary Public Signature

Notary Seal

If the corporation is not registered in the State of Illinois, a current certificate of good standing is required from the State where the corporation is registered.

** REQUIRED PER COOK COUNTY ORDINANCE CHAPTER 10, SECTION 10-5.1

*** In the event that this Proposal is executed by someone other than the President and Secretary, attach hereto a certified copy of the corporate by-laws or other authorization by the corporation which authorizes such persons to execute this Proposal on behalf of the corporation.

EXECUTION BY A SOLE PROPRIETOR

The undersigned acknowledges receipt of a full set of Contract Documents for Contract and Addenda Numbers_____(None unless indicated here). The undersigned makes the foregoing Bid Proposal subject to all of the terms and conditions of the Contract Documents. The undersigned certifies that all of the foregoing statements of the Contractor Certifications are true and correct. The undersigned warrants that all of the facts and information submitted by the undersigned in connection with this Bid Proposal are true and correct. Upon award and execution of the Contract by the Cook County Board of Commissioners, the undersigned agrees that execution of this Bid Proposal shall stand as the undersigned's execution of this Contract.

BUSINESS NAME:_____

BUSINESS ADDRESS:_____

_____

BUSINESS TELEPHONE:_____FAX NUMBER:_____

CONTACT PERSON:_____FEIN/SSN:_____

*COMPLETE LIST OF REAL ESTATE OWNED IN COOK COUNTY:

PERMANENT INDEX NUMBERS(S): _____
_____
_____

IF NOT APPLICABLE, YOU MUST INDICATE THAT IT IS NOT APPLICABLE
(ATTACH SHEET IF NECESSARY TO LIST ADDITIONAL INDEX NUMBERS).

**COOK COUNTY BUSINESS REGISTRATION NUMBER:_____

SOLE PROPRIETOR'S SIGNATURE: X_____

Date:_____

Subscribed and Sworn to

before me this _____day of _____, 20___

My commission expires:

X_____ _____
Notary Public Signature Notary Seal

* REQUIRED PER COOK COUNTY ORDINANCE CHAPTER 10, SECTION 10-6.1.

OP ID: AB

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 02/10/12

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

RODUCER 815-485-4100
olumbian Agency
ww.columbianagency.com
05 Laraway Road
ew Lenox, IL 60451
Lee McWethy

CONTACT NAME: Jo-Ann E. Billo, CRIS
PHONE (A/C, No, Ext): 815-215-4712 FAX (A/C, No): 815-215-4752
E-MAIL ADDRESS: jbillo@columbianagency.com
PRODUCER CUSTOMER ID #: DCONS-1

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A: Liberty Mutual Fire Ins. Co.	23035
INSURER B: Illinois National	
INSURER C: Travelers Property Casualty	25674
INSURER D:	
INSURER E:	
INSURER F:	

SURED D Construction, Inc.
1488 S. Broadway
Coal City, IL 60416

OVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

R R	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS		
	GENERAL LIABILITY						EACH OCCURRENCE	$	1,000,000
X	COMMERCIAL GENERAL LIABILITY	X		TB2641440232031	04/05/11	04/05/12	DAMAGE TO RENTED PREMISES (Ea occurrence)	$	100,000
	CLAIMS-MADE X OCCUR						MED EXP (Any one person)	$	5,000
							PERSONAL & ADV INJURY	$	1,000,000
							GENERAL AGGREGATE	$	2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC						PRODUCTS - COMP/OP AGG	$	2,000,000
								$	
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	$	1,000,000
X	ANY AUTO			AS2641440232021	04/05/11	04/05/12	BODILY INJURY (Per person)	$	
	ALL OWNED AUTOS						BODILY INJURY (Per accident)	$	
	SCHEDULED AUTOS						PROPERTY DAMAGE (Per accident)	$	
X	HIRED AUTOS							$	
X	NON-OWNED AUTOS							$	
X	UMBRELLA LIAB X OCCUR						EACH OCCURRENCE	$	25,000,000
	EXCESS LIAB CLAIMS-MADE			BE 9788929	04/05/11	04/05/12	AGGREGATE	$	25,000,000
	DEDUCTIBLE							$	
	RETENTION $							$	
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						X WC STATU-TORY LIMITS OTH-ER		
	ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N N	N/A		WC2641440232011	04/05/11	04/05/12	E.L. EACH ACCIDENT	$	1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$	1,000,000
							E.L. DISEASE - POLICY LIMIT	$	1,000,000
	Equipment Floater			QT6608242B035	04/05/11	04/05/12	Leased/ Rented		750,000

SCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
IS AGREED THAT THE COOK COUNTY HIGHWAY DEPARTMENT IS INCLUDED AS AN
DITIONAL INSURED ON A PRIMARY & NON-CONTRIBUTORY BASIS IF REQUIRED BY
RITTEN CONTRACT ON THE ABOVE-NOTED GENERAL LIABILITY POLICY WITH RESPECT TO
CTION: 09-B6736-03-RP JOE ORR ROAD-RELOCATED FED PROJ# M-9003(741) JOB#
91-184-11. UNDERGROUND EXPLOSION & COLLAPSE IS INCLUDED ON THE GL POLICY.

RTIFICATE HOLDER

COOKCOD

COOK COUNTY
118 N CLARK STREET
CHICAGO, IL 60602

OK TW

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

RL McWethy

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ACORD

INSURANCE BINDER

OP ID: AB

DATE (MM/DD/YYYY) 02/10/2012

THIS BINDER IS A TEMPORARY INSURANCE CONTRACT, SUBJECT TO THE CONDITIONS SHOWN ON THE REVERSE SIDE OF THIS FORM.

AGENCY
Columbian Agency
www.columbianagency.com
1005 Laraway Road
New Lenox, IL 60451
R. Lee McWethy

PHONE (A/C, No, Ext): 815-485-4100 FAX (A/C, No):

CODE: SUB CODE:

AGENCY CUSTOMER ID: DCONS-5

INSURED
County of Cook
118 N Clark Street
Chicago IL 60602

COMPANY
Mid-Continent Casualty Co

BINDER # 9176

EFFECTIVE DATE	EFFECTIVE TIME		EXPIRATION DATE	EXPIRATION TIME	
02/13/12	12:01	X AM / PM	03/14/12	X 12:01 AM / NOON	

THIS BINDER IS ISSUED TO EXTEND COVERAGE IN THE ABOVE NAMED COMPANY PER EXPIRING POLICY #: R00151112311148

DESCRIPTION OF OPERATIONS/VEHICLES/PROPERTY (Including Location)
OCP: Joe Orr Road (Relocated) From East of Stony Island Avenue to Torrence Avenue. Federal Proj# M-9003(741); Federal Job # C-91-184-11

COVERAGES

TYPE OF INSURANCE	COVERAGE/FORMS	LIMITS: DEDUCTIBLE	COINS %	AMOUNT
PROPERTY — CAUSES OF LOSS: BASIC / BROAD / SPEC				
GENERAL LIABILITY — COMMERCIAL GENERAL LIABILITY — CLAIMS MADE / OCCUR — X Owner & Contractor Prot.	RETRO DATE FOR CLAIMS MADE:	EACH OCCURRENCE		$ 2,000,000
		DAMAGE TO RENTED PREMISES		$
		MED EXP (Any one person)		$
		PERSONAL & ADV INJURY		$
		GENERAL AGGREGATE		$ 4,000,000
		PRODUCTS - COMP/OP AGG		$
AUTOMOBILE LIABILITY — ANY AUTO / ALL OWNED AUTOS / SCHEDULED AUTOS / HIRED AUTOS / NON-OWNED AUTOS		COMBINED SINGLE LIMIT		$
		BODILY INJURY (Per person)		$
		BODILY INJURY (Per accident)		$
		PROPERTY DAMAGE		$
		MEDICAL PAYMENTS		$
		PERSONAL INJURY PROT		$
		UNINSURED MOTORIST		$
				$
AUTO PHYSICAL DAMAGE — DEDUCTIBLE — COLLISION: / OTHER THAN COL:	ALL VEHICLES / SCHEDULED VEHICLES	ACTUAL CASH VALUE / STATED AMOUNT / OTHER		$
GARAGE LIABILITY — ANY AUTO		AUTO ONLY - EA ACCIDENT		$
		OTHER THAN AUTO ONLY: EACH ACCIDENT		$
		AGGREGATE		$
EXCESS LIABILITY — UMBRELLA FORM / OTHER THAN UMBRELLA FORM	RETRO DATE FOR CLAIMS MADE:	EACH OCCURRENCE		$
		AGGREGATE		$
		SELF-INSURED RETENTION		$
WORKER'S COMPENSATION AND EMPLOYER'S LIABILITY		WC STATUTORY LIMITS		
		E.L. EACH ACCIDENT		$
		E.L. DISEASE - EA EMPLOYEE		$
		E.L. DISEASE - POLICY LIMIT		$
SPECIAL CONDITIONS/ OTHER COVERAGES — OK TW		FEES		$
		TAXES		$
		ESTIMATED TOTAL PREMIUM		$

NAME & ADDRESS

MORTGAGEE / LOSS PAYEE / ADDITIONAL INSURED

LOAN #

AUTHORIZED REPRESENTATIVE
RL McWethy

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ADDENDUM NO. 2

JOE ORR ROAD (RELOCATED)
EAST OF STONY ISLAND AVENUE TO TORRENCE AVENUE

SCHEDULE OF PRICES

Section No.: 09-B6736-03-RP

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
1	9	UNIT	TREE REMOVAL (6 TO 15 UNITS DIA.)	$ 30.00	$ 270.00
2	104	UNIT	TREE REMOVAL (OVER 15 UNITS DIA.)	40.00	4,160.00
3	28,063	CU.YD.	EARTH EXCAVATION	13.80	387,269.40
4	2,310	CU.YD.	NON-SPECIAL WASTE DISPOSAL	58.00	133,980.00
5	1	L.SUM	SPECIAL WASTE PLANS AND REPORTS	10,000.00	10,000.00
6	4	EACH	SOIL DISPOSAL ANALYSIS	1,400.00	5,600.00
7	438	FOOT	COMBINATION CURB AND GUTTER REMOVAL	4.40	1,927.20
8	807	SQ.FT.	SIDEWALK REMOVAL	1.30	1,049.10
9	25	FOOT	FENCE REMOVAL	6.00	150.00
10	30	FOOT	CUTTING HOT-MIX ASPHALT SURFACE	2.00	60.00
11	2,465	FOOT	CUTTING HOT-MIX ASPHALT SURFACE (FULL DEPTH)	3.00	7,395.00
12	46,012	SQ.YD.	AGGREGATE SUBGRADE, 12 IN	10.75	494,629.00
13	67	SQ.YD.	SUBBASE GRANULAR MATERIAL, TYPE B, 4 IN	10.00	670.00
14	700	CU.YD.	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	16.00	11,200.00
15	500	CU.YD.	POROUS GRANULAR EMBANKMENT, SUBGRADE	32.00	16,000.00
16	1	L.SUM	CRUSHED STONE (TEMPORARY USE)	10,000.00	10,000.00
17	3,319	GAL.	BITUMINOUS MATERIALS (PRIME COAT)	.01	33.19
18	12	TON	AGGREGATE (PRIME COAT)	.01	.12
19	722	SQ.YD.	PAVEMENT REPLACEMENT	50.00	36,100.00
20	23,906	SQ.YD.	PORTLAND CEMENT CONCRETE PAVEMENT, 10 IN	46.75	1,117,605.50
21	603	SQ.FT.	PORTLAND CEMENT CONCRETE SIDEWALK, 5 IN	6.00	3,618.00
22	88	SQ.FT.	DETECTABLE WARNINGS	25.00	2,200.00
23	3,107	SQ.YD.	HOT-MIX ASPHALT SURFACE REMOVAL 1 3/4 IN	2.00	6,214.00
24	167	SQ.YD.	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	5.00	835.00
25	8	FOOT	TEMPORARY BUTT JOINTS	20.00	160.00
26	775	POUND	CRACK FILLING	2.75	2,131.25
27	1	TON	MIXTURE FOR CRACKS JOINTS AND FLANGEWAYS	500.00	500.00
28	150	SQ.YD.	CLASS D PATCHES, TYPE II, 9 IN	70.00	10,500.00
29	100	SQ.YD.	CLASS D PATCHES, TYPE III, 9 IN	70.00	7,000.00
30	85	SQ.YD.	CLASS D PATCHES, TYPE IV, 9 IN	70.00	5,950.00

(CONTINUED ON NEXT PAGE)

JOE ORR ROAD (RELOCATED)
EAST OF STONY ISLAND AVENUE TO TORRENCE AVENUE

SCHEDULE OF PRICES

Section No.: 09-B6736-03-RP

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
31	6,124	FOOT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	$ 14.25	$ 87,267.00
32	10,732	FOOT	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	16.75	179,761.00
33	3,913	SQ.FT.	CONCRETE MEDIAN, TYPE SB-6.12	10.00	39,130.00
34	29,444	SQ.YD.	PROTECTIVE COAT	.01	294.44
35	518	SQ.YD.	HOT-MIX ASPHALT BASE COURSE, 6 IN	25.00	12,950.00
36	1,529	SQ.YD.	HOT-MIX ASPHALT BASE COURSE, 8 IN	33.00	50,457.00
37	15,487	SQ.YD.	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) 12 IN	38.00	588,506.00
38	415	TON	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	61.25	25,418.75
39	229	TON	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", IL-9.5, N50	76.00	17,404.00
40	283	TON	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50	76.00	21,508.00
41	369	TON	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70	70.00	25,830.00
42	711	SQ.YD.	TEMPORARY BY-PASS PAVEMENT	40.00	28,440.00
43	3,361	SQ.FT.	TURF PAVERS	12.10	40,668.10
44	12	CAL.MO.	ENGINEER'S FIELD OFFICE TYPE A	3,000.00	36,000.00
45	1	L.SUM	CONSTRUCTION LAYOUT STAKES AND SURVEY CONTROL POINTS	60,000.00	60,000.00
46	3	EACH	CONSTRUCTING TEST STRIP	3,500.00	10,500.00
47	360	SQ.YD.	STONE RIPRAP, CLASS A1	30.00	10,800.00
48	360	SQ.YD.	STONE RIPRAP, CLASS A5	60.00	21,600.00
49	360	SQ.YD.	FILTER FABRIC	4.00	1,440.00
50	17,396	CU.YD.	TRENCH BACKFILL	33.00	574,068.00
51	481	CU.YD.	CONTROLLED LOW-STRENGTH MATERIAL	120.00	57,720.00
52	400	FOOT	EXPLORATION TRENCH (52 IN DEPTH)	30.00	12,000.00
53	244	FOOT	PIPE UNDERDRAINS, PERFORATED POLYVINYL CHLORIDE PIPE, 6 IN	20.00	4,880.00
54	100	FOOT	STORM SEWERS, TYPE 1 (CSP CLASS 2) 6 IN	12.00	1,200.00
55	100	FOOT	STORM SEWERS, TYPE 1 (CSP CLASS 2) 8 IN	13.00	1,300.00
56	100	FOOT	STORM SEWERS, TYPE 1 (CSP CLASS 3) 10 IN	14.00	1,400.00
57	100	FOOT	STORM SEWERS, TYPE 1 (CSP CLASS 3) 14 IN	18.00	1,800.00
58	12	FOOT	STORM SEWERS, TYPE 1 (RCCP CLASS IV) 12 IN	45.00	540.00
59	19	FOOT	STORM SEWERS, TYPE 1 (RCCP CLASS IV) 72 IN	250.00	4750.00
60	13	FOOT	STORM SEWERS, TYPE 1 (RCCP CLASS IV) 45 IN X 29 IN	120.00	1,560.00

(CONTINUED ON NEXT PAGE)

ADDENDUM NO. 2

JOE ORR ROAD (RELOCATED)
EAST OF STONY ISLAND AVENUE TO TORRENCE AVENUE
Section No.: 09-B6736-03-RP

SCHEDULE OF PRICES

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
61	2,580	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS III) 12 IN	$ 34.00	$ 87,720.00
62	629	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS III) 15 IN	35.00	22,015.00
63	603	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS III) 18 IN	36.00	21,708.00
64	1,154	FOOT	STORM SEWERS, TYPE 2 (POLYVINYLCHLORIDE) 18 IN	61.00	70,394.00
65	333	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS III) 24 IN	45.00	14,985.00
66	2,083	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS III) 30 IN	60.00	124,980.00
67	2,242	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS III) 36 IN	72.00	161,424.00
68	913	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS IV) 54 IN	150.00	136,950.00
69	496	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS III) 60 IN	170.00	84,320.00
70	1,251	FOOT	STORM SEWERS, TYPE 2 (RCCP CLASS III) 72 IN	235.00	293,985.00
71	481	FOOT	STORM SEWERS, TYPE 3, (POLYVINYL CHLORIDE) 18 IN	70.00	33,670.00
72	32	FOOT	STORM SEWERS, (DUCTILE IRON PIPE) 60 IN	530.00	16,960.00
73	20	FOOT	PIPE CULVERTS, CLASS A, TYPE 1, 12 IN	40.00	800.00
74	0.3	CU.YD.	CONCRETE COLLAR	1,000.00	300.00
75	155	FOOT	PRECAST REINFORCED CONCRETE BOX CULVERTS (6FT X 4 FT)	365.00	56,575.00
76	2	EACH	PRECAST REINFORCED FLARED END SECTIONS,12 IN	480.00	960.00
77	1	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 18 IN	550.00	550.00
78	1	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 72 IN	2,700.00	2,700.00
79	1	EACH	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, 45 IN X 29 IN	1,200.00	1,200.00
80	1	EACH	GRATING FOR CONCRETE FLARED END SECTION, 72 IN	1,800.00	1,800.00
81	1	EACH	GRATING FOR CONCRETE FLARED END SECTION, 45 IN X 29 IN	500.00	500.00
82	105	EACH	CATCH BASINS, TYPE A2, 4 FT DIA WITH FRAMES AND GRATES	1,725.00	181,125.00
83	1	EACH	CATCH BASINS, TYPE A2, 6 FT DIA WITH FRAMES AND GRATES	3,400.00	3,400.00
84	13	EACH	CATCH BASINS, TYPE C, 2 FT DIA WITH FRAMES AND GRATES	1,100.00	14,300.00
85	17	EACH	MANHOLES, TYPE A, 4 FT DIA WITH FRAMES AND GRATES	2,150.00	36,550.00
86	13	EACH	MANHOLES, TYPE A, 5 FT DIA WITH FRAMES AND GRATES	2,800.00	36,400.00
87	19	EACH	MANHOLES, TYPE A, 6 FT DIA WITH FRAMES AND GRATES	4,700.00	89,300.00
88	1	EACH	MANHOLES, TYPE A, 8 FT DIA WITH FRAMES AND GRATES	10,500.00	10,500.00
89	5	EACH	MANHOLES, PRECAST "T" (54 IN DIA STORM SEWER) WITH FRAMES AND GRATES	4,200.00	21,000.00
90	1	EACH	MANHOLES, PRECAST "T" (60 IN DIA STORM SEWER) WITH FRAMES AND GRATES	4,500.00	4,500.00

(CONTINUED ON NEXT PAGE)

JOE ORR ROAD (RELOCATED)
EAST OF STONY ISLAND AVENUE TO TORRENCE AVENUE

SCHEDULE OF PRICES

Section No.: 09-B6736-03-RP

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
91	3	EACH	MANHOLES, PRECAST "T" (72 IN DIA STORM SEWER) WITH FRAMES AND GRATES	$ 6,000.00 -	$ 18,000.00 -
92	1	EACH	MANHOLES, TYPE A, 4 FT DIA WITH RESTRICTOR PLATES, FRAMES AND LIDS	3,500.00	3,500.00
93	1	EACH	INLETS, TYPE A, 2 FT DIA WITH FRAMES AND GRATES	1,000.00	1,000.00
94	2	EACH	FRAMES AND LIDS, TYPE 1 (OPEN)	300.00	600.00
95	2	EACH	FRAMES AND LIDS, TYPE 1 (CLOSED)	300.00	600.00
96	2	EACH	LIDS, TYPE 1 (OPEN)	160.00	320.00
97	2	EACH	LIDS, TYPE 1 (CLOSED)	160.00	320.00
98	1	EACH	INLET BOX, SPECIAL	8,000.00	8,000.00
99	1	EACH	JUNCTION CHAMBER NO. 1	25,000.00	25,000.00
100	1	EACH	JUNCTION CHAMBER NO. 2	25,000.00	25,000.00
101	1	EACH	PRECAST CONCRETE JUNCTION CHAMBERS NO. 3	32,500.00	32,500.00
102	1	EACH	PRECAST CONCRETE JUNCTION CHAMBERS NO. 4	33,500.00	33,500.00
103	1	EACH	BOX CULVERT END SECTIONS,6 FT X 4 FT	5,800.00	5,800.00
104	51	FOOT	STORM SEWER REMOVAL, 8 IN	8.00	408.00
105	74	FOOT	STORM SEWER REMOVAL, 10 IN	10.00	740.00
106	175	FOOT	STORM SEWER REMOVAL, 12 IN	12.00	2,100.00
107	64	FOOT	STORM SEWER REMOVAL, 15 IN	15.00	960.00
108	1,853	FOOT	STORM SEWER REMOVAL, 18 IN	15.00	27,795.00
109	52	FOOT	STORM SEWER REMOVAL, 21 IN	17.00	884.00
110	45	FOOT	STORM SEWER REMOVAL, 24 IN	19.00	855.00
111	320	FOOT	STORM SEWER REMOVAL, 36 IN	21.00	6,720.00
112	573	FOOT	STORM SEWER REMOVAL, 42 IN	25.00	14,325.00
113	490	FOOT	BOX CULVERT REMOVAL	40.00	19,600.00
114	1	EACH	BLOCK EXISTING BOX CULVERT	600.00	600.00
115	30	FOOT	WATER MAIN REMOVAL 12 IN	75.00	2,250.00
116	30	FOOT	WATER MAIN (DUCTILE IRON) 12 IN.	275.00	8,250.00
117	2	EACH	FIRE HYDRANTS TO BE MOVED	2,250.00	4,500.00
118	1	EACH	FIRE HYDRANTS	4,200.00	4,200.00
119	2	EACH	FIRE HYDRANTS VERTICAL ADJUSTMENT (24 IN OR LESS)	800.00	1,600.00
120	2	EACH	FIRE HYDRANTS VERTICAL ADJUSTMENT (OVER 24 IN)	1,000.00	2,000.00

(CONTINUED ON NEXT PAGE)

JOE ORR ROAD (RELOCATED)
EAST OF STONY ISLAND AVENUE TO TORRENCE AVENUE

SCHEDULE OF PRICES

Section No.: 09-B6736-03-RP

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
151	250	EACH	INLET FILTER CLEANING	$ 50.00 -	$ 12,500.00 -
152	1	L.SUM	TRAFFIC PROTECTION	30,000.00	30,000.00
153	1	L.SUM	TRAFFIC CONTROL DEVICES - DETOUR ROUTING	375,000.00	375,000.00 **
154	2,134	FOOT	TEMPORARY CONCRETE BARRIER	22.00	46,948.00
155	394	SQ.FT.	SIGN PANEL, TYPE 1	25.00	9,850.00
156	870	FOOT	METAL POST, TYPE B	10.00	8,700.00
157	17	EACH	BARRICADES, TYPE III	200.00	3,400.00
158	1	EACH	EXISTING SIGN TO BE RELOCATED	100.00	100.00
159	10,850	FOOT	PAVEMENT MARKING TAPE, TYPE III, 4 IN	1.50	16,275.00
160	268	SQ.FT.	POLYUREA PAVEMENT MARKING, TYPE 1 - LETTERS AND SYMBOLS	4.50	1,206.00
161	13,232	FOOT	POLYUREA PAVEMENT MARKING, TYPE I - LINE 4 IN	1.15	15,216.80
162	593	FOOT	POLYUREA PAVEMENT MARKING, TYPE I - LINE 6 IN	1.90	1,126.70
163	4,621	FOOT	POLYUREA PAVEMENT MARKING, TYPE I - LINE 8 IN.	2.53	11,691.13
164	620	FOOT	POLYUREA PAVEMENT MARKING TYPE I - LINE 12 IN	3.80	2,356.00
165	213	FOOT	POLYUREA PAVEMENT MARKING, TYPE I - LINE 24 IN	7.60	1,618.80
166	115	SQ.FT.	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	4.00	460.00
167	15,497	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 4 IN	.94	14,567.18
168	1,002	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 6 IN	1.70	1,703.40
169	2,634	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 8 IN	2.27	5,979.18
170	774	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 12 IN	3.40	2,631.60
171	88	FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 24 IN	6.80	598.40
172	408	EACH	RAISED REFLECTIVE PAVEMENT MARKER	35.00	14,280.00
173	24	EACH	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	10.00	240.00
174	5,541	CU.YD.	TOPSOIL EXCAVATION AND PLACEMENT	12.00	66,492.00
175	9	ACRE	SEEDING, CLASS 2A	3,500.00	31,500.00
176	1	ACRE	SEEDING, CLASS 3	6,000.00	6,000.00
177	0.8	ACRE	SEEDING, CLASS 5B	5,700.00	4,560.00
178	3,805	SQ.YD.	SODDING, SALT TOLERANT	6.60	25,113.00
179	76	UNIT	SUPPLEMENTAL WATERING	11.00	836.00
180	934	POUND	NITROGEN FERTILIZER NUTRIENT	2.20	2,054.80

(CONTINUED ON NEXT PAGE)

** Corrected by contractor

ADDENDUM NO. 2

JOE ORR ROAD (RELOCATED)
EAST OF STONY ISLAND AVENUE TO TORRENCE AVENUE

SCHEDULE OF PRICES

Section No.: 09-B6736-03-RP

ITEM NO.	QUAN-TITIES	UNIT	PAY ITEM	UNIT COST	TOTAL COST
211	14	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	$ 105.00 -	$ 1,470.00 -
212	8	EACH	INDUCTIVE LOOP DETECTOR	190.00	1,520.00
213	54	FOOT	DETECTOR LOOP, TYPE I	18.00	972.00
214	2	EACH	LIGHT DETECTOR	1,080.00	2,160.00
215	1	EACH	LIGHT DETECTOR AMPLIFIER	1,540.00	1,540.00
216	1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	1,650.00 xx	1,650.00 xx F.
217	1	EACH	REMOVE EXISTING CONCRETE FOUNDATION	330.00	330.00
218	450	FOOT	PREFORMED DETECTOR LOOP	38.50	17,325.00
219	1	EACH	SERVICE INSTALLATION, POLE MOUNTED	930.00	930.00
220	1	EACH	UNINTERRUPTIBLE POWER SUPPLY	6,600.00	6,600.00
221	542	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO 6 1C	2.75	1,490.50
222	467	FOOT	ELECTRIC CABLE IN CONDUIT, NO 20 3/C, TWISTED, SHIELDED	1.25	583.75
223	1	EACH	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	510.00	510.00
224	5,927	SQ.YD.	PAVEMENT REMOVAL	10.00	59,270.00
				TOTAL	$ 7,181,814.19 ** F

** Corrected by contractor