



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

January 2, 2013

SUBJECT: FAP Route 348 (IL 43)
Project F-0348 (035)
Section 05-00160-00-CH (Glenview)
Cook County
Contract No. 63756
Item No. 132, January 18, 2013 Letting
Addendum A

NOTICE TO PROSPECTIVE BIDDERS:

Attached is an addendum to the plans or proposal. This addendum involves revised and/or added material.

1. Revised pages 4-17 of the Schedule of Prices
2. Revised the Index of Special Provisions
3. Added pages 146A-146H to the Special Provisions
4. Revised plan sheets 3, 7, 11, 32-38, 71 and 79

Prime contractors must utilize the enclosed material when preparing their bid and must include any Schedule of Prices changes in their bidding proposal.

Bidders using computer-generated bids are cautioned to reflect any and all Schedule of Prices changes, if involved, into their computer programs.

Very truly yours,

John Baranzelli, P.E.
Acting Engineer of Design and Environment

A handwritten signature in black ink, appearing to read 'Ted B. Walschleger' followed by 'P.E.'.

By: Ted B. Walschleger, P. E.
Engineer of Project Management

FAP 348
 05-00160-00-CH (GLENVIEW)
 COOK

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT NUMBER - 63756

ECMS002 DTGECM03 ECMR003 PAGE 4
 RUN DATE - 12/28/12
 RUN TIME - 183220

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE
				DOLLARS	CENTS	
X6026056	SAN MH ADJ NEW T1F CL	EACH	8.000	=		
X6026057	SAN MH REC NEW T1F CL	EACH	1.000	=		
X6026622	VV REMOVED	EACH	7.000	=		
X6030310	FR & LIDS ADJUST SPL	EACH	6.000	=		
X8250500	LIGHTING UNIT COMP SP	EACH	4.000	=		
X8360215	LIGHT POLE FDN 24D OS	FOOT	48.000	=		
X8570226	FAC T4 CAB SPL	EACH	1.000	=		
X8620200	UNINTER POWER SUP SPL	EACH	1.000	=		
X8710024	FOCC62.5/125 MM12SM24	FOOT	2,962.000	=		
Z0004002	BOLLARDS	EACH	5.000	=		
Z0007510	ENGINEERED BARRIER	SQ YD	20.000	=		
Z0013302	SEGMENT CONC BLK WALL	SQ FT	216.000	=		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000	=		
Z0030850	TEMP INFO SIGNING	SQ FT	259.000	=		
Z0033028	MAINTAIN LIGHTING SYS	CAL MO	8.000	=		

revised 1/2/13

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	CTS
				DOLLARS	CENTS		
Z0033046	RE-OPTIMIZE SIG SYS 2	EACH	1.000				
Z0056608	STORM SEW WM REQ 12	FOOT	90.000				
Z0062456	TEMP PAVEMENT	SQ YD	1,001.000				
Z0073510	TEMP TR SIGNAL TIMING	EACH	1.000				
Z0076600	TRAINEES	HOUR	1,000.000	0.80		800.00	
Z0076604	TRAINEES TPG	HOUR	1,000.000	10.00		10,000.00	
20100110	TREE REMOV 6-15	UNIT	162.000				
20100210	TREE REMOV OVER 15	UNIT	74.000				
20101100	TREE TRUNK PROTECTION	EACH	16.000				
20101200	TREE ROOT PRUNING	EACH	16.000				
20200100	EARTH EXCAVATION	CU YD	3,753.000				
20201200	REM & DISP UNS MATL	CU YD	2,260.000				
20800150	TRENCH BACKFILL	CU YD	288.000				
21001000	GEOTECH FAB F/GR STAB	SQ YD	4,556.000				
21101615	TOPSOIL F & P 4	SQ YD	5,598.000				

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 CONTRACT NUMBER - 63756

ECMS002 DTGECM03 ECMR003 PAGE 6
 RUN DATE - 12/28/12
 RUN TIME - 183220

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE
				DOLLARS	CENTS	
25000400	NITROGEN FERT NUTR	POUND	72.000	=		
25000500	PHOSPHORUS FERT NUTR	POUND	72.000	=		
25000600	POTASSIUM FERT NUTR	POUND	72.000	=		
25200110	SODDING SALT TOLERANT	SQ YD	5,598.000	=		
25200200	SUPPLE WATERING	UNIT	59.000	=		
28000250	TEMP EROS CONTR SEED	POUND	117.000	=		
28000400	PERIMETER EROS BAR	FOOT	314.000	=		
28000510	INLET FILTERS	EACH	81.000	=		
30300001	AGG SUBGRADE IMPROVE	CU YD	629.000	=		
30300112	AGG SUBGRADE IMPR 12	SQ YD	4,141.000	=		
35101600	AGG BASE CSE B 4	SQ YD	8,493.000	=		
35300200	PCC BSE CSE 7	SQ YD	14.000	=		
35300205	PCC BSE CSE 7 1/4	SQ YD	65.000	=		
35501304	HMA BASE CSE 5	SQ YD	559.000	=		
35501312	HMA BASE CSE 7	SQ YD	440.000	=		

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ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	CTS
				DOLLARS	CENTS		
35501313	HMA BASE CSE 7 1/4	SQ YD	2,153.000				
35501316	HMA BASE CSE 8	SQ YD	2,715.000				
40600200	BIT MATLS PR CT	TON	15.000				
40600300	AGG PR CT	TON	64.000				
40600400	MIX CR JTS FLANGEWYS	TON	5.000				
40600827	P LB MM IL-4.75 N50	TON	827.000				
40600895	CONSTRUC TEST STRIP	EACH	1.000				
40600982	HMA SURF REM BUTT JT	SQ YD	110.000				
40603335	HMA SC "D" N50	TON	421.000				
40603340	HMA SC "D" N70	TON	300.000				
40603595	P HMA SC "F" N90	TON	1,226.000				
42001300	PROTECTIVE COAT	SQ YD	5,203.000				
42300400	PCC DRIVEWAY PAVT 8	SQ YD	391.000				
42400200	PC CONC SIDEWALK 5	SQ FT	18,712.000				
42400410	PC CONC SIDEWALK 8	SQ FT	3,828.000				

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ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	CTS
				DOLLARS	CENTS		
42400800	DETECTABLE WARNINGS	SQ FT	152.000	=			
44000100	PAVEMENT REM	SQ YD	760.000	=			
44000158	HMA SURF REM 2 1/4	SQ YD	3,690.000	=			
44000159	HMA SURF REM 2 1/2	SQ YD	9,961.000	=			
44000200	DRIVE PAVEMENT REM	SQ YD	4,354.000	=			
44000300	CURB REM	FOOT	1,521.000	=			
44000500	COMB CURB GUTTER REM	FOOT	4,859.000	=			
44000600	SIDEWALK REM	SQ FT	15,591.000	=			
44201737	CL D PATCH T1 8	SQ YD	39.000	=			
44201741	CL D PATCH T2 8	SQ YD	76.000	=			
44201745	CL D PATCH T3 8	SQ YD	154.000	=			
44201747	CL D PATCH T4 8	SQ YD	397.000	=			
44201798	CL D PATCH T1 13	SQ YD	100.000	=			
44201803	CL D PATCH T2 13	SQ YD	200.000	=			
44201807	CL D PATCH T3 13	SQ YD	399.000	=			

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ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE
				DOLLARS	CENTS	
44201809	CL D PATCH T4 13	SQ YD	409.000	X	=	
550A0050	STORM SEW CL A 1 12	FOOT	217.000	X	=	
550A0090	STORM SEW CL A 1 18	FOOT	180.000	X	=	
550B0050	STORM SEW CL B 1 12	FOOT	227.000	X	=	
550B0070	STORM SEW CL B 1 15	FOOT	75.000	X	=	
55100300	STORM SEWER REM 8	FOOT	59.000	X	=	
55100400	STORM SEWER REM 10	FOOT	12.000	X	=	
55100500	STORM SEWER REM 12	FOOT	288.000	X	=	
55100700	STORM SEWER REM 15	FOOT	76.000	X	=	
56100800	WATER MAIN 10	FOOT	634.000	X	=	
56400820	FIRE HYD W/AUX V & VB	EACH	6.000	X	=	
60107600	PIPE UNDERDRAINS 4	FOOT	642.000	X	=	
60200205	CB TA 4 DIA T1F CL	EACH	2.000	X	=	
60201105	CB TA 4 DIA T11F&G	EACH	1.000	X	=	
60201340	CB TA 4 DIA T24F&G	EACH	2.000	X	=	

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ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE
				DOLLARS	CENTS	
60203905	CB TA 5 DIA T1F CL	EACH	1.000	=		
60207005	CB TC T1F CL	EACH	1.000	=		
60207905	CB TC T11F&G	EACH	1.000	=		
60208240	CB TC T24F&G	EACH	19.000	=		
60218400	MAN TA 4 DIA T1F CL	EACH	2.000	=		
60221102	MAN TA 5D T1FCL R-PLT	EACH	1.000	=		
60235300	INLETS TA T1F CL	EACH	1.000	=		
60236200	INLETS TA T8G	EACH	1.000	=		
60236800	INLETS TA T11F&G	EACH	2.000	=		
60237470	INLETS TA T24F&G	EACH	6.000	=		
60250200	CB ADJUST	EACH	6.000	=		
60250400	CB ADJ NEW T1F OL	EACH	1.000	=		
60250500	CB ADJ NEW T1F CL	EACH	19.000	=		
60251500	CB ADJ NEW T11F&G	EACH	1.000	=		
60251740	CB ADJ NEW T24F&G	EACH	4.000	=		

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ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	CTS
				DOLLARS	CENTS		
60255500	MAN ADJUST	EACH	6.000				
60260400	INLETS ADJ NEW T1F CL	EACH	1.000				
60265700	VV ADJUST	EACH	5.000				
60266100	VV RECONST	EACH	2.000				
60500040	REMOV MANHOLES	EACH	2.000				
60500050	REMOV CATCH BAS	EACH	14.000				
60500060	REMOV INLETS	EACH	1.000				
60600605	CONC CURB TB	FOOT	795.000				
60603800	COMB CC&G TB6.12	FOOT	2,384.000				
60605000	COMB CC&G TB6.24	FOOT	4,291.000				
60618300	CONC MEDIAN SURF 4	SQ FT	550.000				
60619600	CONC MED TSB6.12	SQ FT	1,197.000				
66900200	NON SPL WASTE DISPOSL	CU YD	1,100.000				
66900450	SPL WASTE PLNS/REPORT	L SUM	1.000				
66900530	SOIL DISPOSAL ANALY	EACH	10.000				

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ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	CTS
				DOLLARS	CENTS		
66901000	BACKFILL PLUGS	CU YD	5.000 X	=			
67100100	MOBILIZATION	L SUM	1.000 X	=			
70102620	TR CONT & PROT 701501	L SUM	1.000 X	=			
70102625	TR CONT & PROT 701606	L SUM	1.000 X	=			
70102630	TR CONT & PROT 701601	L SUM	1.000 X	=			
70102632	TR CONT & PROT 701602	L SUM	1.000 X	=			
70102635	TR CONT & PROT 701701	L SUM	1.000 X	=			
70102640	TR CONT & PROT 701801	L SUM	1.000 X	=			
70300100	SHORT TERM PAVT MKING	FOOT	807.000 X	=			
70300210	TEMP PVT MK LTR & SYM	SQ FT	504.000 X	=			
70300220	TEMP PVT MK LINE 4	FOOT	9,747.000 X	=			
70300240	TEMP PVT MK LINE 6	FOOT	1,926.000 X	=			
70300260	TEMP PVT MK LINE 12	FOOT	70.000 X	=			
70300280	TEMP PVT MK LINE 24	FOOT	213.000 X	=			
70301000	WORK ZONE PAVT MK REM	SQ FT	91.000 X	=			

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ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE DOLLARS	CENTS	TOTAL PRICE DOLLARS	CTS
72000100	SIGN PANEL T1	SQ FT	137.000	=			
72000200	SIGN PANEL T2	SQ FT	33.000	=			
72800100	TELES STL SIN SUPPORT	FOOT	237.000	=			
78000100	THPL PVT MK LTR & SYM	SQ FT	504.000	=			
78000200	THPL PVT MK LINE 4	FOOT	8,367.000	=			
78000400	THPL PVT MK LINE 6	FOOT	1,926.000	=			
78000600	THPL PVT MK LINE 12	FOOT	70.000	=			
78000650	THPL PVT MK LINE 24	FOOT	213.000	=			
78100100	RAISED REFL PAVT MKR	EACH	243.000	=			
78300200	RAISED REF PVT MK REM	EACH	190.000	=			
80500020	SERV INSTALL POLE MT	EACH	1.000	=			
81028200	UNDRGRD C GALVS 2	FOOT	1,807.000	=			
81028210	UNDRGRD C GALVS 2 1/2	FOOT	56.000	=			
81028220	UNDRGRD C GALVS 3	FOOT	1,110.000	=			
81028240	UNDRGRD C GALVS 4	FOOT	476.000	=			

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ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE
				DOLLARS	CENTS	
81400100	HANDHOLE	EACH	5.000			
81400200	HD HANDHOLE	EACH	4.000			
81400300	DBL HANDHOLE	EACH	2.000			
81400730	HANDHOLE C CONC	EACH	40.000			
81603110	UD 4#4#6GXLPUSE 1 1/2	FOOT	4,195.000			
83600200	LIGHT POLE FDN 24D	FOOT	248.000			
84200804	REM POLE FDN	EACH	26.000			
84400105	RELOC EX LT UNIT	EACH	23.000			
86400100	TRANSCIEVER - FIB OPT	EACH	1.000			
87300925	ELCBL C TRACER 14 1C	FOOT	2,962.000			
87301215	ELCBL C SIGNAL 14 2C	FOOT	1,224.000			
87301225	ELCBL C SIGNAL 14 3C	FOOT	1,598.000			
87301245	ELCBL C SIGNAL 14 5C	FOOT	959.000			
87301255	ELCBL C SIGNAL 14 7C	FOOT	1,706.000			
87301305	ELCBL C LEAD 14 1PR	FOOT	2,148.000			

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ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT NUMBER - 63756

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 RUN TIME - 183220

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	CTS
				DOLLARS	CENTS		
87301805	ELCBL C SERV 6 2C	FOOT	53.000	X	=		
87301900	ELCBL C EGRDC 6 1C	FOOT	516.000	X	=		
87502500	TS POST GALVS 16	EACH	4.000	X	=		
87700180	S MAA & P 28	EACH	1.000	X	=		
87700210	S MAA & P 34	EACH	1.000	X	=		
87700240	S MAA & P 40	EACH	1.000	X	=		
87700300	S MAA & P 52	EACH	1.000	X	=		
87800100	CONC FDN TY A	FOOT	16.000	X	=		
87800150	CONC FDN TY C	FOOT	4.000	X	=		
87800400	CONC FDN TY E 30D	FOOT	10.000	X	=		
87800415	CONC FDN TY E 36D	FOOT	39.000	X	=		
87900200	DRILL EX HANDHOLE	EACH	1.000	X	=		
88030020	SH LED 1F 3S MAM	EACH	5.000	X	=		
88030100	SH LED 1F 5S BM	EACH	3.000	X	=		
88030110	SH LED 1F 5S MAM	EACH	5.000	X	=		

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ILLINOIS DEPARTMENT OF TRANSPORTATION
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ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE
				DOLLARS	CENTS	
88030220	SH LED 2F 5S BM	EACH	1.000	X	=	
88102717	PED SH LED 1F BM CDT	EACH	8.000	X	=	
88200110	TS BACKPLATE LOVERED	EACH	10.000	X	=	
88500100	INDUCTIVE LOOP DETECT	EACH	9.000	X	=	
88600100	DET LOOP T1	FOOT	1,010.000	X	=	
88700200	LIGHT DETECTOR	EACH	2.000	X	=	
88700300	LIGHT DETECTOR AMP	EACH	1.000	X	=	
88800100	PED PUSH-BUTTON	EACH	8.000	X	=	
89000100	TEMP TR SIG INSTALL	EACH	1.000	X	=	
89500120	REM EX SERV INSTALL	EACH	1.000	X	=	
89502300	REM ELCBL FR CON	FOOT	10,253.000	X	=	
89502375	REMOV EX TS EQUIP	EACH	1.000	X	=	
89502380	REMOV EX HANDHOLE	EACH	12.000	X	=	
89502385	REMOV EX CONC FDN	EACH	17.000	X	=	
TOTAL				\$		

NOTE:
 *** PLEASE TURN PAGE FOR IMPORTANT NOTES ***

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ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF PRICES
CONTRACT NUMBER - 63756

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RUN DATE - 12/28/12
RUN TIME - 183220

NOTE:

1. EACH PAY ITEM SHOULD HAVE A UNIT PRICE AND A TOTAL PRICE.
2. THE UNIT PRICE SHALL GOVERN IF NO TOTAL PRICE IS SHOWN OR IF THERE IS A DISCREPANCY BETWEEN THE PRODUCT OF THE UNIT PRICE MULTIPLIED BY THE QUANTITY.
3. IF A UNIT PRICE IS OMITTED, THE TOTAL PRICE WILL BE DIVIDED BY THE QUANTITY IN ORDER TO ESTABLISH A UNIT PRICE.
4. A BID MAY BE DECLARED UNACCEPTABLE IF NEITHER A UNIT PRICE NOR A TOTAL PRICE IS SHOWN.

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Village of Glenview
FAP 348 Waukegan Road (IL Route 43)
Section No.: 05-00160-00-CH
County: Cook
Contract No.: 63756

BOLLARDS:

This work shall consist of furnishing and installing steel pipe bollards in accordance the Detail shown in the Plans at locations shown in the Plans or as determined by the Engineer. The above ground portion of the bollard shall be painted a color as selected by the Engineer.

Materials. Steel pipe shall be 6" schedule 40 seamless wrought steel pipe in accordance with ANSI B36.10 and shall be a continuous 8 foot minimum in length.

Concrete for the base and for filling the pipe shall be Class SI Concrete in accordance with Section 1020 of the Standard Specifications.

Optional domed pipe caps shall be constructed of steel or cast aluminum and designed to fit the steel pipe.

Paint shall be in accordance with Section 1008 of the Standard Specifications.

CONSTRUCTION REQUIREMENTS

Install vertical pipe, embedded in concrete, plumb in all directions and generally centered in the concrete foundation. Concrete encasement shall be at least 6 inches thick around the entire outside diameter of the pipe. The pipe shall be installed at least 4 feet below grade and at least 4 feet above grade.

Fill the pipe with concrete. Vibrate adequately to ensure full coverage of concrete on the inside of the pipe. At the option of the contractor, a domed pipe cap may be installed at no additional cost. If a pipe cap is used, the concrete shall only be installed to the level that will allow installation of the cap. If a pipe cap is not used, the concrete shall be poured to the top of the pipe and finished to a raised dome shape.

The exposed pipe shall be cleaned, primed and uniformly painted. The paint shall be of a color as selected by the Engineer. The paint shall extend to cover the pipe cap or domed concrete top of the bollard.

Basis of Payment. This work will be paid for at the contract unit price per each for BOLLARDS.

REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES

Revise Article 669.01 of the Standard Specifications to read:

"669.01 Description. This work shall consist of the transportation and proper disposal of contaminated soil and water. This work shall also consist of the removal, transportation, and proper disposal of underground storage tanks (UST), their content and associated underground piping to the point where the piping is above the ground, including determining the content types and estimated quantities."

Revise Article 669.08 of the Standard Specifications to read:

"669.08 Contaminated Soil and/or Groundwater Monitoring. The Contractor shall hire a qualified environmental firm to monitor the area containing the regulated substances. The affected area shall be monitored with a photoionization detector (PID) utilizing a lamp of 10.6eV or greater or a flame ionization detector (FID). Any field screen reading on the PID or FID in excess of background levels indicates the potential presence of contaminated material requiring handling as a non-special waste, special waste, or hazardous waste. No excavated soils can be taken to a clean construction and demolition debris (CCDD) facility or an uncontaminated soil fill operation with detectable PID or FID meter readings. The PID or FID meter shall be calibrated on-site and background level readings taken and recorded daily. All testing shall be done by a qualified engineer/technician. Such testing and monitoring shall be included in the work. The Contractor shall identify the exact limits of removal of non-special waste, special waste, or hazardous waste. All limits shall be approved by the Engineer prior to excavation. The Contractor shall take all necessary precautions.

Based upon PID or FID readings indicating contamination, a soil or groundwater sample shall be taken from the same location and submitted to an approved laboratory. Soil or groundwater samples shall be analyzed for the contaminants of concern, including pH, based on the property's land use history or the parameters listed in the maximum allowable concentration (MAC) for chemical constituents in uncontaminated soil established pursuant to Subpart F of 35 Illinois Administrative Code 1100.605. The analytical results shall serve to document the level of soil contamination. Soil and groundwater samples may be required at the discretion of the Engineer to verify the level of soil and groundwater contamination.

Samples shall be grab samples (not combined with other locations). The samples shall be taken with disposable instruments. The samples shall be placed in sealed containers and transported in an insulated container to the laboratory. The container shall maintain a temperature of 39 °F (4 °C). All samples shall be clearly labeled. The labels shall indicate the sample number, date sampled, location and elevation, and any other observations.

The laboratory shall use a detectable concentration which is equal to the lowest appropriate practical quantitation limits (PQL) or estimated quantitation limit (EQL) specified in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods", EPA Publication No. SW-846 and "Methods for the Determination of Organic Compounds in Drinking Water", EPA, EMSL, EPA-600/4-88/039. For parameters where the specified cleanup objective is below the acceptable detection limit (ADL), the ADL shall serve as the cleanup objective. For other parameters the ADL shall be equal to or below the specified cleanup objective."

Replace the first two paragraphs of Article 669.09 of the Standard Specifications with the following:

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"669.09 Contaminated Soil and/or Groundwater Management and Disposal. The management and disposal of contaminated soil and/or groundwater shall be according to the following:

- (a) **Soil Analytical Results Exceed Most Stringent MAC.** When the soil analytical results indicate that detected levels exceed the most stringent maximum allowable concentration (MAC) for chemical constituents in uncontaminated soil established pursuant to Subpart F of 35 Illinois Administrative Code 1100.605, the soil shall be managed as follows:
- (1) When analytical results indicate inorganic chemical constituents exceed the most stringent MAC but they are still considered within area background levels by the Engineer, the excavated soil can be utilized within the construction limits as fill, when suitable. Such soil excavated for storm sewers can be placed back into the excavated trench as backfill, when suitable, unless trench backfill is specified. If the soils cannot be utilized within the construction limits, they shall be managed and disposed of off-site as a non-special waste, special waste, or hazardous waste as applicable.
 - (2) When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for a Metropolitan Statistical Area (MSA) County, the excavated soil can be utilized within the construction limits as fill, when suitable, or managed and disposed of off-site as "uncontaminated soil" at a CCDD facility or an uncontaminated soil fill operation within an MSA County provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.
 - (3) When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for an MSA County excluding Chicago, or the MAC within the Chicago corporate limits, the excavated soil can be utilized within the construction limits as fill, when suitable, or managed and disposed of off-site as "uncontaminated soil" at a CCDD facility or an uncontaminated soil fill operation within an MSA County excluding Chicago or within the Chicago corporate limits provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.
 - (4) When analytical results indicate chemical constituents exceed the most stringent MAC but do not exceed the MAC for an MSA County excluding Chicago, the excavated soil can be utilized within the construction limits as fill, when suitable, or managed and disposed of off-site as "uncontaminated soil" at a CCDD facility or an uncontaminated soil fill operation within an MSA County excluding Chicago provided the pH of the soil is within the range of 6.25 - 9.0, inclusive.
 - (5) When the Engineer determines soil cannot be managed according to Articles 669.09(a)(1) through (a)(4) above, the soil shall be managed and disposed of off-site as a non-special waste, special waste, or hazardous waste as applicable.
- (b) **Soil Analytical Results Do Not Exceed Most Stringent MAC.** When the soil analytical results indicate that detected levels do not exceed the most stringent MAC, the excavated soil can be utilized within the construction limits or managed and disposed of off-site as "uncontaminated soil" according to Article 202.03. However the excavated

soil cannot be taken to a CCDD facility or an uncontaminated soil fill operation for the following reason.

- (1) The pH of the soil is less than 6.25 or greater than 9.0.
 - (2) The soil exhibited elevated photoionization detector (PID) utilizing a lamp of 10.6eV or greater or a flame ionization detector (FID) readings.
- (c) Groundwater. When groundwater analytical results indicate the detected levels are above Appendix B, Table E of 35 Illinois Administrative Code 742, the most stringent Tier 1 Groundwater Remediation Objectives for Groundwater Component of the Groundwater Ingestion Route for Class 1 groundwater, the groundwater shall be managed off-site as a special waste.

All groundwater encountered within lateral trenches may be managed within the trench and allowed to infiltrate back into the ground. If the groundwater cannot be managed within the trench it must be removed as a special or hazardous waste. The Contractor is prohibited from managing groundwater within the trench by discharging it through any existing or new storm sewer. The Contractor shall install backfill plugs within the area of groundwater contamination.

One backfill plug shall be placed down gradient to the area of groundwater contamination. Backfill plugs shall be installed at intervals not to exceed 50 ft (15 m). Backfill plugs are to be 4 ft (1.2 m) long, measured parallel to the trench, full trench width and depth. Backfill plugs shall not have any fine aggregate bedding or backfill, but shall be entirely cohesive soil or any class of concrete. The Contractor shall provide test data that the material has a permeability of less than 10^{-7} cm/sec according to ASTM D 5084, Method A or per another test method approved by the Engineer."

Revise Article 669.14 of the Standard Specifications to read:

669.14 Final Environmental Construction Report. At the end of the project, the Contractor will prepare and submit three copies of the Environmental Construction Report on the activities conducted during the life of the project, one copy shall be submitted to the Resident Engineer, one copy shall be submitted to the District's Environmental Studies Unit, and one copy shall be submitted with an electronic copy in Adode.pdf format to the Geologic and Waste Assessment Unit, Bureau of Design and Environment, IDOT, 2300 South Dirksen Parkway, Springfield, Illinois 62764. The technical report shall include all pertinent information regarding the project including, but not limited to:

- (a) Measures taken to identify, monitor, handle, and dispose of soil or groundwater containing regulated substances, to prevent further migration of regulated substances, and to protect workers,
- (b) Cost of identifying, monitoring, handling, and disposing of soil or groundwater containing regulated substances, the cost of preventing further migration of regulated substances, and the cost for worker protection from the regulated substances. All cost should be in the format of the contract pay items listed in the contract plans (identified by the preliminary environmental site investigation (PESA) site number),
- (c) Plan sheets showing the areas containing the regulated substances,

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- (d) Field sampling and testing results used to identify the nature and extent of the regulated substances,
- (e) Waste manifests (identified by the preliminary environmental site investigation (PESA) site number) for special or hazardous waste disposal, and
- (f) Landfill tickets (identified by the preliminary environmental site investigation (PESA) site number) for non-special waste disposal."

Revise the second paragraph of Article 669.16 of the Standard Specifications to read:

"The transportation and disposal of soil and other materials from an excavation determined to be contaminated will be paid for at the contract unit price per cubic yard (cubic meter) for NON-SPECIAL WASTE DISPOSAL, SPECIAL WASTE DISPOSAL, or HAZARDOUS WASTE DISPOSAL."

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 either "uncontaminated soil" or non-special waste. This work shall include monitoring and potential sampling, analytical testing, and management of a material contaminated by regulated substances. The Environmental Firm shall continuously monitor all soil excavation for worker protection and soil contamination. Phase I Preliminary Engineering information is available through the District's Environmental Studies Unit. Soil samples or analysis without the approval of the Engineer will be at no additional cost to the Department. The lateral distance is measured from centerline and the farthest distance is the offset distance or construction limit whichever is less.

The Contractor shall manage any excavated soils and sediment within the following areas:

- Station 202+00 to Station 205+00 0 to 50 feet RT (Strip Mall, PESA Site 1594A-34, 1625-1639 Waukegan Road). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: PNAs and Manganese.
- Station 205+60 to Station 207+80 0 to 60 feet LT (U-Store-It, PESA Site 1594A-29, 1718 Waukegan Road). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: PNAs, Arsenic, and Lead.
- Station 208+60 to Station 209+60 0 to 60 feet LT (Commercial Building, PESA Site 1594A-26, 1740 and 1744 Waukegan Road). This material meets the criteria of Article

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- 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: PNAs.
- Station 303+70 to Station 305+00 (Chestnut Avenue) 0 to 50 feet RT (Fredhots and Fries, PESA Site 1594A-22, 1707 Chestnut Avenue). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: PNAs.
 - Station 303+70 to Station 305+00 (Chestnut Avenue) 0 to 50 feet LT (Glenview Car Wash, PESA Site 1594A-12, 1820 Waukegan Road). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: PNAs and Arsenic.
 - Station 206+40 to Station 207+30 0 to 50 feet RT (NAPA, PESA Site 1594A-30, 1723 Waukegan Road). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: PNAs.
 - Station 214+55 to Station 215+40 0 to 60 feet LT (Burger King, PESA Site 1594A-9, 1834 Waukegan Road). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: PNAs.
 - Station 215+50 to Station 217+00 0 to 60 feet RT (Vacant Lot, PESA Site 1594A-8, 1841 Waukegan Road). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: BETX and PNAs.
 - Station 217+00 to Station 217+45 0 to 60 feet RT (Strip Mall, PESA Site 1594A-6, 1855-1867 Waukegan Road). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: PNAs.
 - Station 218+55 to Station 219+50 0 to 60 feet RT (Vacant Building, PESA Site 1594A-4, 1913 Waukegan Road). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: PNAs and Lead.
 - Station 219+35 to Station 220+70 0 to 50 feet LT (Office Building, PESA Site 1594A-3, 1920 Waukegan Road). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: PNAs.
 - Station 205+00 to Station 206+40 0 to 110 feet RT (Hynes Auto Center, PESA Site 1594A-31, 1723A Waukegan Road). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Iron.
 - Station 301+50 to Station 302+60 (Chestnut Avenue) 0 to 60 feet RT (Reactive Performance Enhancement Center, PESA Site 1594A-20, 1725 Chestnut Avenue). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Arsenic.
 - Station 305+00 to Station 306+50 (Chestnut Avenue) 0 to 50 feet RT (Strip Mall, PESA Site 1594A-23, 1760+1766 Waukegan Road). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Manganese.
 - Station 211+45 to Station 212+70 0 to 90 feet RT (Strip Mall, PESA Site 1594A-16, 1809-1819 Waukegan Road). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Manganese.

- Station 17+55 to Station 19+80 (Jefferson Avenue) 0 to 40 feet LT (Commercial Building, PESA Site 1594A-7, 1838-1850 Waukegan Road). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Manganese.
- Station 210+80 to Station 211+45 0 to 90 feet RT (Commercial Building, PESA Site 1594A-24, 1803 and 1805 Waukegan Road). This material meets the criteria of Article 669.09(a)(2) and shall be managed in accordance to Article 669.09.
- Station 217+45 to Station 218+35 0 to 60 feet RT (Strip Mall, PESA Site 1594A-6, 1855-1867 Waukegan Road). This material meets the criteria of Article 669.09(a)(3) and shall be managed in accordance to Article 669.09.
- Station 218+35 to Station 218+55 0 to 60 feet RT (Vacant Building, PESA Site 1594A-4, 1913 Waukegan Road). This material meets the criteria of Article 669.09(a)(3) and shall be managed in accordance to Article 669.09.
- Station 209+60 to Station 211+45 0 to 60 feet LT (Strip Mall, PESA Site 1594A-23, 1760-1766 Waukegan Road). This material meets the criteria of Article 669.09(b)(1) and shall be managed in accordance to Article 669.09.
- Station 202+00 to Station 203+50 0 to 50 feet LT (Loren Buick, PESA Site 1594A-35, 1610-1620 Waukegan Road). This material meets the criteria of Article 669.09(b)(2) and shall be managed in accordance to Article 669.09.
- Station 203+50 to Station 204+60 0 to 50 feet LT (Apartment Buildings, PESA Site 1594A-33, 1644-1646 Waukegan Road). This material meets the criteria of Article 669.09(b)(2) and shall be managed in accordance to Article 669.09.
- Station 204+60 to Station 205+60 0 to 50 feet LT (Dragon Inn North, PESA Site 1594A-32, 1650 Waukegan Road). This material meets the criteria of Article 669.09(b)(2) and shall be managed in accordance to Article 669.09.
- Station 207+80 to Station 208+60 0 to 60 feet LT (AAA Lock and Key, PESA Site 1594A-28, 1730 Waukegan Road). This material meets the criteria of Article 669.09(b)(2) and shall be managed in accordance to Article 669.09.
- Station 305+00 to Station 306+50 (Chestnut Avenue) 0 to 50 feet LT (Pizano's Pizza and Pasta Restaurant, PESA Site 1594A-15, 1808 Waukegan Road). This material meets the criteria of Article 669.09(b)(2) and shall be managed in accordance to Article 669.09.
- Station 207+30 to Station 209+50 0 to 50 feet RT (Vacant Building, PESA Site 1594A-27, 1727 Waukegan Road). This material meets the criteria of Article 669.09(b)(2) and shall be managed in accordance to Article 669.09.
- Station 209+50 to Station 210+80 0 to 50 feet RT (Taco Bell, PESA Site 1594A-25, 1757 Waukegan Road). This material meets the criteria of Article 669.09(b)(2) and shall be managed in accordance to Article 669.09.
- Station 211+45 to Station 213+40 0 to 60 feet LT (Pizano's Pizza and Pasta Restaurant, PESA Site 1594A-15, 1808 Waukegan Road). This material meets the criteria of Article 669.09(b)(2) and shall be managed in accordance to Article 669.09.
- Station 217+80 to Station 219+35 0 to 50 feet LT (Commercial Building, PESA Site 1594A-5, 1910 and 1916 Waukegan Road). This material meets the criteria of Article 669.09(b)(2) and shall be managed in accordance to Article 669.09.
- Station 17+55 to Station 19+80 (Jefferson Avenue) 0 to 40 feet LT (Commercial Building, PESA Site 1594A-5, 1910 and 1916 Waukegan Road). This material meets the criteria of Article 669.09(b)(2) and shall be managed in accordance to Article 669.09.

Backfill pugs shall be place within the following locations.

- Station 216+30 to Station 216+60 0 to 60 feet RT (Vacant Lot, PESA Site 1594A-8, 1841 Waukegan Road). Contaminants of concern sampling parameters: BETX and PNAs.

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Engineered Barrier. An engineered barrier shall be installed in storm sewer trenches between Station 216+30 to Station 216+60 0 to 60 feet RT (Vacant Lot, PESA Site 1594A-8, 1841 Waukegan Road) to limit the exposure and control the migration of contamination from the contaminated soil that remains within the trench excavation. It shall be placed beneath the trench backfill material.

The engineered barrier shall consist of a geosynthetic clay liner system, geomembrane liner, or equivalent material as approved by the Engineer. A geosynthetic clay liner shall be composed of a bentonite clay liner approximately 6.4 millimeters (0.25 inches) thick. The engineered barrier shall have a permeability of less than 10^{-7} cm/sec. Installation of the geosynthetic clay liner system shall be in accordance with the manufacturer's recommendations except that all laps shall face down-slope.

The geomembrane liner shall have a minimum thickness of 30 mil. The geomembrane liner shall line the entire trench and in accordance with the manufacturer's recommendations.

No equipment will be allowed on the engineered barrier until it is covered by a minimum of 305 millimeters (1 foot) of backfill. Any damage to the engineered barrier caused by the Contractor shall be repaired at no additional expense to the Department in accordance with the manufacturer's recommendations and as directed by the Engineer.

Method of Measurement. Engineered barrier will be measured for payment in place and the area computed in square meters (square yards).

Basis of Payment. The engineered barrier will be paid for at the contract unit price per square meters (square yards) for ENGINEERED BARRIER.