June 5, 2014

SUBJECT: FAP Route 372 (IL 171)

Project ACHSIP-0372(011)

Section 0303S-TS Cook County

Contract No. 60X08

Item No. 222, June 13, 2014 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. Replaced the Schedule of Prices
- 2. Revised page iii of the Table of Contents to the Special Provisions
- 3. Revised pages 157-160 of the Special Provisions
- 4. Added IEPA Form 663 to the Addendum A folder on the website
- 5. Revised sheet 15 of the Plans

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 D. Baranzelli, P.E.

Acting Engineer of Design and Environment

By: Ted B. Walschleger, P. E.

Tett Walscheyer P.E.

Engineer of Project Management

cc: John Fortmann, Region 1, District 1; Tim Kell; Estimates

MS/kf

State Job # - C-91-436-13

County Name - COOK- -

Code - 31 - - District - 1 - -

Section Number - 0303S-TS

Project Number
ACHSIP-0372/011/

*REVISED: JUNE 03, 2014

Route

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
X0322917	PRO SS CONN TO EX MAN	EACH	3.000				
X0322918	PRO MAN/CB CON OV SS	EACH	4.000				
X0324085	EM VEH P S LSC 20 3C	FOOT	320.000				
X4021000	TEMP ACCESS- PRIV ENT	EACH	1.000				
X4022000	TEMP ACCESS- COM ENT	EACH	1.000				
X4060110	BIT MATLS PR CT	POUND	7,834.000				
X5537800	SS CLEANED 12	FOOT	450.000				
X6020095	MAN TA 4D T1F CL R-P	EACH	1.000				
X6030310	FR & LIDS ADJUST SPL	EACH	17.000				
X7010216	TRAF CONT & PROT SPL	L SUM	1.000				
X8570226	FAC T4 CAB SPL	EACH	1.000				
X8620200	UNINTER POWER SUP SPL	EACH	1.000				
X8710024	FOCC62.5/125 MM12SM24	FOOT	2,950.000				
Z0004530	HMA DRIVEWAY PAVT 8	SQ YD	27.000				
Z0004538	HMA DRIVEWAY PAVT 10	SQ YD	76.000				

State Job # - C-91-436-13

County Name - COOK- -

Code - 31 - -

District - 1 - -

Section Number - 0303S-TS

Project Number

ACHSIP-0372/011/

*REVISED: JUNE 03, 2014

Route

ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
Z0004562	COMB C C&G REM & REPL	FOOT	30.000				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000				
Z0018500	DRAINAGE STR CLEANED	EACH	16.000				
Z0030850	TEMP INFO SIGNING	SQ FT	116.000				
Z0033020	LUM SFTY CABLE ASMBLY	EACH	4.000				
Z0033040	ELEC SVC DSCNNCT L&TS	EACH	1.000				
Z0033046	RE-OPTIMIZE SIG SYS 2	EACH	1.000				
Z0038123	PCC SUR REM 2 1/2	SQ YD	26.000				
Z0073510	TEMP TR SIGNAL TIMING	EACH	1.000				
20200100	EARTH EXCAVATION	CU YD	163.000				
20201200	REM & DISP UNS MATL	CU YD	461.000				
20400800	FURNISHED EXCAVATION	CU YD	370.000				
20800150	TRENCH BACKFILL	CU YD	121.000				
21101505	TOPSOIL EXC & PLAC	CU YD	186.000				
25000400	NITROGEN FERT NUTR	POUND	21.000				

State Job # - C-91-436-13

County Name - COOK- -

Code - 31 - -

District - 1 - -

Section Number - 0303S-TS

Project Number
ACHSIP-0372/011/

*REVISED: JUNE 03, 2014

Route

Item Number	Pay Item Description	Unit of Measure	Quantity	х	Unit Price	=	Total Price
25000500	PHOSPHORUS FERT NUTR	POUND	21.000				
25000600	POTASSIUM FERT NUTR	POUND	21.000				
25200110	SODDING SALT TOLERANT	SQ YD	1,674.000				
25200200	SUPPLE WATERING	UNIT	17.000				
28000400	PERIMETER EROS BAR	FOOT	1,305.000				
28000510	INLET FILTERS	EACH	23.000				
30300001	AGG SUBGRADE IMPROVE	CU YD	15.000				
30300112	AGG SUBGRADE IMPR 12	SQ YD	441.000				
31101400	SUB GRAN MAT B 6	SQ YD	177.000				
35101800	AGG BASE CSE B 6	SQ YD	842.000				
35600670	HMA BC WID 5	SQ YD	105.000				
35600714	HMA BC WID 9 1/2	SQ YD	172.000				
40600400	MIX CR JTS FLANGEWYS	TON	17.000				
40600827	P LB MM IL-4.75 N50	TON	474.000				
40600982	HMA SURF REM BUTT JT	SQ YD	84.000				

State Job # - C-91-436-13

County Name - COOK- -

Code - 31 - -

District - 1 - -

Section Number - 0303S-TS

Project Number

ACHSIP-0372/011/ *REVISED: JUNE 03, 2014 Route

Item Number	Pay Item Description	Unit of Measure	Quantity	х	Unit Price	=	Total Price
40601005	HMA REPL OVER PATCH	TON	8.000				
40603335	HMA SC "D" N50	TON	95.000				
40603595	P HMA SC "F" N90	TON	1,127.000				
42001300	PROTECTIVE COAT	SQ YD	721.000				
42400200	PC CONC SIDEWALK 5	SQ FT	3,223.000				
42400800	DETECTABLE WARNINGS	SQ FT	228.000				
44000100	PAVEMENT REM	SQ YD	357.000				
44000159	HMA SURF REM 2 1/2	SQ YD	11,213.000				
44000200	DRIVE PAVEMENT REM	SQ YD	77.000				
44000500	COMB CURB GUTTER REM	FOOT	1,332.000				
44000600	SIDEWALK REM	SQ FT	4,095.000				
44002210	HMA RM OV PATCH 2 1/2	SQ YD	51.000				
44201741	CL D PATCH T2 8	SQ YD	31.000				
44201745	CL D PATCH T3 8	SQ YD	8.000				
44201747	CL D PATCH T4 8	SQ YD	13.000				

State Job # - C-91-436-13

County Name - COOK- -

Code - 31 - -

District - 1 - -

Section Number - 0303S-TS

Project Number
ACHSIP-0372/011/

*REVISED: JUNE 03, 2014

Route

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
44201827	CL D PATCH T2 15	SQ YD	102.000				
44201831	CL D PATCH T3 15	SQ YD	26.000				
44201833	CL D PATCH T4 15	SQ YD	43.000				
44201851	CL D PATCH T2 17	SQ YD	12.000				
44201855	CL D PATCH T3 17	SQ YD	21.000				
44201857	CL D PATCH T4 17	SQ YD	253.000				
550A0050	STORM SEW CL A 1 12	FOOT	27.000				
550A0110	STORM SEW CL A 1 21	FOOT	325.000				
550A0340	STORM SEW CL A 2 12	FOOT	38.000				
550A0400	STORM SEW CL A 2 21	FOOT	26.000				
55100300	STORM SEWER REM 8	FOOT	52.000				
55100500	STORM SEWER REM 12	FOOT	56.000				
60107600	PIPE UNDERDRAINS 4	FOOT	350.000				
60201330	CB TA 4 DIA T23F&G	EACH	1.000				
60208105	CB TC T12F&G	EACH	1.000				

State Job # - C-91-436-13

County Name - COOK- -

Code - 31 - -

District - 1 - -

Section Number - 0303S-TS

Project Number
ACHSIP-0372/011/

*REVISED: JUNE 03, 2014

Route

ltem Number	Pay Item Description	Unit of Measure	Quantity	х	Unit Price	=	Total Price
60208230	CB TC T23F&G	EACH	4.000				
60218400	MAN TA 4 DIA T1F CL	EACH	1.000				
60221100	MAN TA 5 DIA T1F CL	EACH	1.000				
60250500	CB ADJ NEW T1F CL	EACH	1.000				
60251730	CB ADJ NEW T23F&G	EACH	1.000				
60255800	MAN ADJ NEW T1F CL	EACH	1.000				
60260400	INLETS ADJ NEW T1F CL	EACH	1.000				
60300105	FR & GRATES ADJUST	EACH	5.000				
60300305	FR & LIDS ADJUST	EACH	12.000				
60500050	REMOV CATCH BAS	EACH	1.000				
60500060	REMOV INLETS	EACH	4.000				
60600605	CONC CURB TB	FOOT	108.000				
60603800	COMB CC&G TB6.12	FOOT	205.000				
60604400	COMB CC&G TB6.18	FOOT	1,060.000				
63200310	GUARDRAIL REMOV	FOOT	131.000				

State Job # - C-91-436-13

County Name - COOK- -

Code - 31 - -

District - 1 - -

Section Number - 0303S-TS

 Project Number
 Route

 ACHSIP-0372/011/
 FAP 372

*REVISED: JUNE 03, 2014

	em nber	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
*ADD	66900200	NON SPL WASTE DISPOSL	CU YD	850.000				
*ADD	66900450	SPL WASTE PLNS/REPORT	L SUM	1.000				
*ADD	66900530	SOIL DISPOSAL ANALY	EACH	4.000				
	67000400	ENGR FIELD OFFICE A	CAL MO	6.000				
	67100100	MOBILIZATION	L SUM	1.000				
	70300100	SHORT TERM PAVT MKING	FOOT	6,957.000				
	70300210	TEMP PVT MK LTR & SYM	SQ FT	292.000				
	70300220	TEMP PVT MK LINE 4	FOOT	6,320.000				
	70300240	TEMP PVT MK LINE 6	FOOT	1,025.000				
	70300260	TEMP PVT MK LINE 12	FOOT	635.000				
	70300280	TEMP PVT MK LINE 24	FOOT	137.000				
	70300510	PAVT MARK TAPE T3 L&S	SQ FT	146.000				
	70300520	PAVT MARK TAPE T3 4	FOOT	6,272.000				
	70300540	PAVT MARK TAPE T3 6	FOOT	612.000				
	70300560	PAVT MARK TAPE T3 12	FOOT	151.000				

State Job # - C-91-436-13

County Name - COOK- -

Code - 31 - -

District - 1 - -

Section Number - 0303S-TS

Project Number
ACHSIP-0372/011/

*REVISED: JUNE 03, 2014

Route FAP 372

ltem Number	Pay Item Description	Unit of Measure	Quantity	х	Unit Price	=	Total Price
70300570	PAVT MARK TAPE T3 24	FOOT	108.000				
70301000	WORK ZONE PAVT MK REM	SQ FT	773.000				
72000100	SIGN PANEL T1	SQ FT	166.300				
72000200	SIGN PANEL T2	SQ FT	60.000				
72400100	REMOV SIN PAN ASSY TA	EACH	5.000				
72400200	REMOV SIN PAN ASSY TB	EACH	2.000				
72400310	REMOV SIGN PANEL T1	SQ FT	102.200				
72400600	RELOC SIN PAN ASSY TB	EACH	1.000				
72800100	TELES STL SIN SUPPORT	FOOT	93.500				
73100100	BASE TEL STL SIN SUPP	EACH	6.000				
78000100	THPL PVT MK LTR & SYM	SQ FT	292.000				
78000200	THPL PVT MK LINE 4	FOOT	6,320.000				
78000400	THPL PVT MK LINE 6	FOOT	1,025.000				
78000600	THPL PVT MK LINE 12	FOOT	635.000				
78000650	THPL PVT MK LINE 24	FOOT	137.000				

*REVISED: JUNE 03, 2014

State Job # - C-91-436-13

County Name - COOK- -

Code - 31 - -

District - 1 - -

Section Number - 0303S-TS

81702130 EC C XLP USE 1C 6

Project Number Route
ACHSIP-0372/011/ FAP 372

Item Unit of Number **Pay Item Description** Measure **Unit Price Total Price** Quantity X = **EACH** 78100100 RAISED REFL PAVT MKR 151.000 **EACH** 78200410 GUARDRAIL MKR TYPE A 8.000 **EACH** 78201000 TERMINAL MARKER - DA 2.000 78300100 PAVT MARKING REMOVAL SQ FT 2.307.000 78300200 RAISED REF PVT MK REM **EACH** 141.000 81028200 UNDRGRD C GALVS 2 FOOT 815.000 81028210 UNDRGRD C GALVS 2 1/2 **FOOT** 45.000 81028220 UNDRGRD C GALVS 3 **FOOT** 70.000 81028240 UNDRGRD C GALVS 4 **FOOT** 600.000 81400100 HANDHOLE **EACH** 3.000 81400200 HD HANDHOLE **EACH** 4.000 81400300 DBL HANDHOLE **EACH** 4.000 FOOT 81702110 EC C XLP USE 1C 10 1,600.000 **FOOT** 81702120 EC C XLP USE 1C 8 275.000

150.000

FOOT

State Job # - C-91-436-13

County Name - COOK- -

Code - 31 - -

District - 1 - -

Section Number - 0303S-TS

ACHSIP-0372/011/

*REVISED: JUNE 03, 2014

Route

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
81800240	A CBL 2-1C8 MESS WIRE	FOOT	1,425.000				
82103310	LUM SV HOR MT PC 310W	EACH	8.000				
84200500	REM LT UNIT SALV	EACH	1.000				
85000200	MAIN EX TR SIG INSTAL	EACH	2.000				
86400100	TRANSCEIVER - FIB OPT	EACH	1.000				
87300925	ELCBL C TRACER 14 1C	FOOT	2,950.000				
87301215	ELCBL C SIGNAL 14 2C	FOOT	1,250.000				
87301225	ELCBL C SIGNAL 14 3C	FOOT	1,600.000				
87301245	ELCBL C SIGNAL 14 5C	FOOT	1,775.000				
87301255	ELCBL C SIGNAL 14 7C	FOOT	1,475.000				
87301305	ELCBL C LEAD 14 1PR	FOOT	2,525.000				
87301805	ELCBL C SERV 6 2C	FOOT	125.000				
87301900	ELCBL C EGRDC 6 1C	FOOT	1,100.000				
87502500	TS POST GALVS 16	EACH	4.000				
87702880	STL COMB MAA&P 30	EACH	1.000				

*REVISED: JUNE 03, 2014

State Job # - C-91-436-13

County Name - COOK- -

Code - 31 - -

District - 1 - -

Section Number - 0303S-TS

Project Number	Route
ACHSIP-0372/011/	FAP 372

Item Number	Pay Item Description	Unit of Measure	Quantity	X	Unit Price	=	Total Price
87702900	STL COMB MAA&P 34	EACH	1.000				
87702910	STL COMB MAA&P 36	EACH	1.000				
87702920	STL COMB MAA&P 38	EACH	1.000				
87800100	CONC FDN TY A	FOOT	16.000				
87800150	CONC FDN TY C	FOOT	4.000				
87800415	CONC FDN TY E 36D	FOOT	44.000				
87900200	DRILL EX HANDHOLE	EACH	1.000				
88030020	SH LED 1F 3S MAM	EACH	6.000				
88030110	SH LED 1F 5S MAM	EACH	4.000				
88030240	SH LED 2F 1-3 1-5 BM	EACH	4.000				
88102717	PED SH LED 1F BM CDT	EACH	8.000				
88200210	TS BACKPLATE LOU ALUM	EACH	10.000				
88500100	INDUCTIVE LOOP DETECT	EACH	11.000				
88600100	DET LOOP T1	FOOT	910.000				
88800100		EACH	8.000				

State Job # - C-91-436-13

County Name - COOK- -

Code - 31 - -

District - 1 - -

Section Number - 0303S-TS

Project Number
ACHSIP-0372/011/

*REVISED: JUNE 03, 2014

Route

Item Number	Pay Item Description	Unit of Measure	Quantity	X	Unit Price	=	Total Price
89501400	REL EM VEH PR SYS D U	EACH	2.000				
89501410	REL EM VEH PR SYS P U	EACH	1.000				
89502210	MOD EX CONTR CAB	EACH	1.000				
89502300	REM ELCBL FR CON	FOOT	5,000.000				
89502375	REMOV EX TS EQUIP	EACH	1.000				
89502380	REMOV EX HANDHOLE	EACH	8.000				
89502382	REMOV EX DBL HANDHOLE	EACH	1.000				
89502385	REMOV EX CONC FDN	EACH	9.000				

	FAP Route 372 (IL 171) Project ACHSIP-0372 (011) Section 0303S-TS Cook County Contract 60X08
CONTRACT CLAIMS (BDE)	
DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION	
GRANULAR MATERIALS (BDE)	141
LRFD STORM SEWER BURIAL TABLES (BDE)	142
PAVEMENT MARKING FOR BIKE SYMBOL (BDE)	151
PAVEMENT PATCHING (BDE)	151
PAYROLLS AND PAYROLL RECORDS (BDE)	152
PORTLAND CEMENT CONCRETE EQUIPMENT (BDE)	154
PROGRESS PAYMENTS (BDE)	154
QUALITY CONTROL/QUALITY ASSURANCE OF CONCRETE N	MIXTURES (BDE)155
REINFORCEMENT BARS (BDE)	155
REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES	157
REMOVAL AND DISPOSAL OF SURPLUS MATERIALS (BDE)	161
TRACKING THE USE OF PESTICIDES (BDE)	162
WARM MIX ASPHALT (BDE)	162
WEEKLY DBE TRUCKING REPORTS (BDE)	166
WORKING DAYS (BDE)	166
BITUMINOUS MATERIALS COST ADJUSTMENTS (BDE) (RETU	JRN FORM WITH BID).167
STEEL COST ADJUSTMENT (BDE) (RETURN FORM WITH BID))

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 that are above background. 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 the land use history of the subject property and/or 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 decontaminated or 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 analytical methods which are able to meet 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:

"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) Soil Analytical Results Exceed Most Stringent MAC but Do Not Exceed TACO Residential. When the soil analytical results indicate that detected levels exceed the most stringent MAC but do not exceed TACO Tier 1 Soil Remediation Objectives for Residential Properties pursuant to 35 IAC 742 Appendix B Table A, the excavated soil can be utilized within the right-of-way 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.
- (d) 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 assessment (PESA) site number),
- (c) Plan sheets showing the areas containing the regulated substances,
- (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 assessment (PESA) site number) for special or hazardous waste disposal, and
- (f) Landfill tickets (identified by the preliminary environmental site assessment (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.

<u>General.</u> 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 35+00 to Station 38+60 (1st Avenue IL 171) 0 to 60 feet LT (Residences, PESA Site 2734-4, 3501-3511 Woodside Drive). 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: Benzo(a)Pyrene and Manganese.
- Station 40+00 to Station 41+90 (1st Avenue IL 171) 0 to 100 feet LT (Residences, PESA Site 2734-4, 3501-3511 Woodside Drive). 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 and Manganese.
- Station 41+90 to Station 44+70 (1st Avenue IL 171) 0 to 100 feet LT (Riverside-Brookfield High School, PESA Site 2734-1, 160 Ridgewood 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: Benzo(a)Pyrene and Arsenic.
- Station 40+00 to Station 41+90 (1st Avenue IL 171) 0 to 100 feet RT (Zoo Woods, PESA Site 2734-2, 100 block of Forest 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 41+90 to Station 48+70 (1st Avenue IL 171) 0 to 100 feet RT (Zoo Woods, PESA Site 2734-2, 100 block of Forest 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: Benzo(a)Pyrene, Arsenic, Lead, and Manganese.
- Station 17+00 to Station 19+00 (Ridgewood Avenue) 0 to 50 feet RT (Residences, PESA Site 2734-4, 3501-3511 Woodside Drive). 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 17+00 to Station 19+00 (Ridgewood Avenue) 0 to 50 feet LT (Riverside-Brookfield High School, PESA Site 2734-1, 160 Ridgewood 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: Benzo(a)Pyrene and Arsenic.
- Station 21+00 to Station 24+00 (Forest Avenue) 0 to 50 feet RT (Zoo Woods, PESA Site 2734-2, 100 block of Forest 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.