



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

February 21, 2013

SUBJECT: FAP Route 305 (Willow Road)
Section 1920.01-B-R
Cook County
Contract No. 60W04
Item No. 126, March 8, 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. Replaced the Schedule of Prices.
2. Revised pages 99-103 of the Special Provisions.
3. Revised sheets 2, 3, 9, 16, 35, 45, & 60 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

A handwritten signature in cursive script, reading "Ted B. Walschleger P.E.".

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

cc: John fortmann, Region 1, District 1; Mike Renner; D.Carl Puzey;
Estimates

MS/ks

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:

Revised 2/21/2013

“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 but the pH of the soil is less than 6.25 or greater than 9.0, 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.

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- (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,
- (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.”

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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 Environmental Firm shall take a soil sample from each of the following areas within the area to be excavated or graded. Each soil sample shall be analyzed for the TCL SOIL ANALYSIS and the results compared to the maximum allowable concentration (MAC) for chemical constituents in uncontaminated soil established pursuant to Subpart F of 35 Illinois Administrative Code 1100.605. Any area that the analytical results exceed the most stringent MAC value shall be managed and disposed of in accordance with Articles 669.09. Any area that the 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.

- All soil and/or sediment excavation associated with the box culvert 1 installation at or near Station 76+44.64.
- All soil and/or sediment excavation associated with the box culvert 2 installation at or near Station 78+69.39.

Basis of Payment. Target compound list, TCL SOIL ANALYSIS using EPA Method 8260B for VOCs, EPA Method 8270C for SVOCs, EPA Method 8081A for Pesticides, and an ICP instrument and EPA Methods 6010B, 7471A, 1311(extraction), 6010B, and 7470A for metals. This price shall include transporting the sample from the job site to the laboratory.

Revised 2/21/2013

TEMPORARY SHEET PILING

Effective: September 2, 1994

Revised: January 31, 2012

Description. This work shall consist of furnishing, driving, adjusting for stage construction when required and subsequent removal of the sheet piling according to the dimensions and details shown on the plans and according to the applicable portions of Section 512 of the Standard Specifications.

This work shall also include furnishing, installing and subsequent removal of all miscellaneous steel shapes, plates and connecting hardware when required to attach the sheeting to an existing substructure unit and/or to facilitate stage construction.

General. The Contractor may propose other means of supporting the sides of the excavation provided they are done so at no extra cost to the department. If the Contractor elects to vary from the design requirements shown on the plans, the revised design calculations and details shall be submitted to the Engineer for approval. The calculations shall be prepared and sealed by an Illinois Licensed Structural Engineer. This approval will not relieve the Contractor of responsibility for the safety of the excavation. Approval shall be contingent upon acceptance by all involved utilities and/or railroads.

Material. The sheet piling shall be made of steel and may be new or used material, at the option of the Contractor. The sheet piling shall have a minimum section modulus as shown on the plans or in the approved Contractor's alternate design. The sheeting shall have a minimum yield strength of 38.5 ksi (265 MPa) unless otherwise specified. The sheeting, used by the Contractor, shall be identifiable and in good condition free of bends and other structural defects. The Contractor shall furnish a copy of the published sheet pile section properties to the Engineer for verification purposes. The Engineer's approval will be required prior to driving any sheeting. All driven sheeting not approved by the Engineer shall be removed at the Contractor's expense.

Revised 2/21/2013

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60W04

State Job # - C-91-155-13

Project Number

Route

County Name - COOK - -

FAP 305

Code - 31 - -

* REVISED: FEBRUARY 20, 2013

District - 1 - -

Section Number - 1920.01-B-R

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
X0325938	TEMP WIR INTERCON COM	L SUM	1.000				
X5537800	SS CLEANED 12	FOOT	300.000				
X6640304	CH LK FENCE REM & RE	FOOT	60.000				
X7010216	TRAF CONT & PROT SPL	L SUM	1.000				
X8900010	TEMP TR SIG INTERCON	EACH	1.000				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000				
Z0018500	DRAINAGE STR CLEANED	EACH	12.000				
Z0026407	TEMP SHT PILING	SQ FT	857.000				
Z0030850	TEMP INFO SIGNING	SQ FT	78.000				
Z0062456	TEMP PAVEMENT	SQ YD	1,493.700				
Z0073410	TEMP SUPPORT SYS L1	EACH	1.000				
Z0073420	TEMP SUPPORT SYS L2	EACH	1.000				
Z0073510	TEMP TR SIGNAL TIMING	EACH	1.000				
*ADD 20101000	TEMPORARY FENCE	FOOT	300.000				
20201200	REM & DISP UNS MATL	CU YD	922.000				

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20700220	POROUS GRAN EMBANK	CU YD	761.000				
21101615	TOPSOIL F & P 4	SQ YD	348.000				
*ADD 25000210	SEEDING CL 2A	ACRE	0.250				
*ADD 25000310	SEEDING CL 4	ACRE	0.250				
*ADD 25100630	EROSION CONTR BLANKET	SQ YD	428.000				
*DELETE 25200140	SODDING SALT TOLERANT	SQ YD	348.000				
*ADD 28000250	TEMP EROS CONTR SEED	POUND	25.000				
28000305	TEMP DITCH CHECKS	FOOT	32.000				
28000400	PERIMETER EROS BAR	FOOT	450.000				
28000510	INLET FILTERS	EACH	12.000				
*DELETE 28001400	TEMP EROS CONTR BLANK	SQ YD	428.000				
28100107	STONE RIPRAP CL A4	SQ YD	70.100				
28200200	FILTER FABRIC	SQ YD	70.100				
31100500	SUB GRAN MAT A 6	SQ YD	413.700				
40600200	BIT MATLS PR CT	TON	0.200				

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40600300	AGG PR CT	TON	0.200				
40600635	LEV BIND MM N70	TON	17.400				
40603595	P HMA SC "F" N90	TON	40.500				
42001200	PAVEMENT FABRIC	SQ YD	413.700				
42300400	PCC DRIVEWAY PAVT 8	SQ YD	136.100				
42400200	PC CONC SIDEWALK 5	SQ FT	748.000				
44000100	PAVEMENT REM	SQ YD	1,493.700				
44000200	DRIVE PAVEMENT REM	SQ YD	136.100				
44000500	COMB CURB GUTTER REM	FOOT	2,339.000				
44000600	SIDEWALK REM	SQ FT	748.000				
44003100	MEDIAN REMOVAL	SQ FT	10,483.000				
44200976	CL B PATCH T4 10	SQ YD	413.700				
44201297	DOWEL BARS 1	EACH	186.000				
44213200	SAW CUTS	FOOT	166.000				
44213204	TIE BARS 3/4	EACH	186.000				

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FAP 305

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District - 1 - -

Section Number - 1920.01-B-R

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
50100300	REM EXIST STRUCT N1	EACH	1.000				
50100400	REM EXIST STRUCT N2	EACH	1.000				
50300300	PROTECTIVE COAT	SQ YD	11,179.800				
50800205	REINF BARS, EPOXY CTD	POUND	33,500.000				
50800515	BAR SPLICERS	EACH	70.000				
51500100	NAME PLATES	EACH	1.000				
54003000	CONC BOX CUL	CU YD	138.500				
550A0050	STORM SEW CL A 1 12	FOOT	25.000				
60201330	CB TA 4 DIA T23F&G	EACH	1.000				
60500060	REMOV INLETS	EACH	1.000				
60603800	COMB CC&G TB6.12	FOOT	665.500				
60604400	COMB CC&G TB6.18	FOOT	836.000				
60605000	COMB CC&G TB6.24	FOOT	307.900				
60618300	CONC MEDIAN SURF 4	SQ FT	8,637.900				
60619200	CONC MED TSB6.06	SQ FT	891.000				

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60623800	CONC BAR MED	SQ FT	353.100				
63301210	REM RE-E SPBGR TY A	FOOT	162.500				
66900200	NON SPL WASTE DISPOSL	CU YD	925.000				
66900450	SPL WASTE PLNS/REPORT	L SUM	1.000				
66900530	SOIL DISPOSAL ANALY	EACH	2.000				
66900665	TCL SOIL ANALYSIS	EACH	4.000				
67000400	ENGR FIELD OFFICE A	CAL MO	6.000				
67100100	MOBILIZATION	L SUM	1.000				
70300520	PAVT MARK TAPE T3 4	FOOT	22,122.000				
70300540	PAVT MARK TAPE T3 6	FOOT	576.000				
70300560	PAVT MARK TAPE T3 12	FOOT	157.000				
70300570	PAVT MARK TAPE T3 24	FOOT	103.000				
70301000	WORK ZONE PAVT MK REM	SQ FT	6,959.000				
70400100	TEMP CONC BARRIER	FOOT	400.000				
70400200	REL TEMP CONC BARRIER	FOOT	400.000				

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70600260	IMP ATTN TEMP FRN TL3	EACH	1.000				
70600332	IMP ATTN REL FRN TL3	EACH	1.000				
78000100	THPL PVT MK LTR & SYM	SQ FT	73.000				
78000200	THPL PVT MK LINE 4	FOOT	4,080.000				
78000400	THPL PVT MK LINE 6	FOOT	431.000				
78000600	THPL PVT MK LINE 12	FOOT	99.400				
78000650	THPL PVT MK LINE 24	FOOT	84.000				
78008210	POLYUREA PM T1 LN 4	FOOT	1,698.000				
78008230	POLYUREA PM T1 LN 6	FOOT	58.000				
78100100	RAISED REFL PAVT MKR	EACH	265.000				
78300100	PAVT MARKING REMOVAL	SQ FT	2,511.200				
78300200	RAISED REF PVT MK REM	EACH	265.000				
81028200	UNDRGRD C GALVS 2	FOOT	220.000				
85000200	MAIN EX TR SIG INSTAL	EACH	1.000				
87900200	DRILL EX HANDHOLE	EACH	4.000				

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Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
89000200	TEMP TR SIG INSTALL	L SUM	1.000				
89502350	REM & RE ELCBL FR CON	FOOT	610.000				
89502376	REBUILD EX HANDHOLE	EACH	2.000				
89502378	REBLD EX HH TO HD HH	EACH	2.000				