Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

October 26, 2012

SUBJECT: FAP Route 729(US 136)
Project ACF-0729(014)
Section 36 (W, RS-1) & 34Z-2(W, RS)
Vermilion County
Contract No. 90939
Item No. 48, November 9, 2012 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 sheets 6, 16, 20, and 21 of the Plans.
3. Revised the Table of Contents to the Special Provisions.
4. Added pages 164-176 to the Special Provisions.

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,
Acting Engineer of Design and Environment

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

cc: Joseph E. Crowe; Region 3, District 5; Mike Renner; Estimates

dr

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF PRICES

CONTRACT NUMBER - 90939

State Job # - C-95-036-98

	Project Number	Route
County Name - VERMILION- -	ACF-0729/014/	FAP 729
Code - 183 - -		
District - 5 - -	* REVISED: OCTOBER 25, 2012	
Section Number - 36(W,RS-1) & 34Z-2(W,RS)		

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
A2001116	T-ACER RUB OG 2	EACH	1.000				
A2006816	T-QUERCUS MEUH 2	EACH	1.000				
A2006916	T-QUERCUS PALUS 2	EACH	1.000				
B2002616	T-MALUS ADAM TF 2	EACH	1.000				
C2002646	S-EUONY ALAT CFBB 3'	EACH	5.000				
MX030431	SS WATERMN REQ T1 300	METER	29.000				
MX030457	SS WATERMN REQ T1 375	METER	2.500				
MX030581	SS WATERMN REQ T2 600	METER	56.500				
MX030582	SS WATERMN REQ T2 750	METER	42.500				
*ADD MX032200	ENGINEERED BARRIER	SQ M	144.000				
MX033840	VANE DRAINS	METER	62.000				
MX033841	FENCE REM RE-E	METER	166.400				
MX033842	PARTIAL DEPTH REM 75	SQ M	296.000				
MX033843	PARTIAL DEPTH PATCH	M TON	53.000				
MX033844	P HMA BC IL19.0FGN90	M TON	7,431.000				

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MX033845	P LB MM IL-9.5FG N90	M TON	2,852.000				
MX501020	CONC RET WALL REM VH	CU M	1.300				
MX606110	CONC CURB TB SPL	METER	174.300				
MX871055	FOCC62.5/125 MM12SM12	METER	976.000				
MZ013300	CONC REM SPEC	SQ M	13.000				
MZ048900	RR TRACK REMOV	METER	30.400				
M2010110	TREE REMOV 6-15	UNIT	517.000				
M2010210	TREE REMOV OVER 15	UNIT	456.000				
M2020010	EARTH EXCAVATION	CU M	4,962.000				
M2020050	EARTH EXC WID	CU M	1,143.000				
M2080150	TRENCH BACKFILL	CU M	3,626.000				
M2090110	POROUS GRAN BACKFILL	CU M	104.000				
M2500350	SEEDING CL 7	HA	0.900				
M2500400	NITROGEN FERT NUTR	KG	50.000				
M2500500	PHOSPHORUS FERT NUTR	KG	50.000				

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M2500600	POTASSIUM FERT NUTR	KG	50.000				
M2510115	MULCH METHOD 2	HA	0.900				
M2520100	SODDING	SQ M	7,085.000				
M2520200	SUPPLE WATERING	UNIT	1,063.000				
M2800250	TEMP EROS CONTR SEED	KG	500.000				
M2800305	TEMP DITCH CHECKS	METER	30.000				
M2810107	STONE RIPRAP CL A4	SQ M	94.000				
M2820200	FILTER FABRIC	SQ M	94.000				
M3111100	SUB GRAN MAT B 100	SQ M	13,399.000				
M3511150	AGG BASE CSE B 150	SQ M	772.000				
M3540200	PCC BASE CSE W 200	SQ M	4,185.000				
M4021010	AGG SURF CSE B	M TON	123.000				
M4021200	AGGREGATE-TEMP ACCESS	M TON	335.000				
M4060100	BIT MATLS PR CT	LITER	35,107.000				
M4060300	AGG PR CT	M TON	146.000				

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M4060400	MIX CR JTS FLANGEWYS	M TON	3.500				
M4060895	CONSTRUC TEST STRIP	EACH	2.000				
M4060982	HMA SURF REM BUTT JT	SQ M	79.000				
M4060990	TEMPORARY RAMP	SQ M	148.000				
M4063545	P HMA SC "D" N90	M TON	2,387.000				
M4080500	INCIDENTAL HMA SURF	M TON	145.000				
M4200200	PCC PVT 200	SQ M	5,820.000				
M4205200	PROTECTIVE COAT	SQ M	14,359.000				
M4230150	PCC DRIVEWAY PAVT 150	SQ M	519.000				
M4230200	PCC DRIVEWAY PAVT 200	SQ M	368.000				
M4240125	PC CONC SIDEWALK 125	SQ M	4,468.000				
M4400750	HMA SURF REM 50	SQ M	11,908.000				
M4400840	HMA SURF REM 140	SQ M	10,342.000				
M4402000	PAVEMENT REM	SQ M	4,456.000				
M4402010	DRIVE PAVEMENT REM	SQ M	1,327.000				

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M4402040	COMB CURB GUTTER REM	METER	3,756.000				
M4402050	SIDEWALK REM	SQ M	3,196.000				
M4402420	MEDIAN REMOVAL	SQ M	36.000				
M4402530	PAVED SHLD REMOVAL	SQ M	339.000				
M4428030	CL D PATCH T1 250	SQ M	22.000				
M4428042	CL D PATCH T1 305	SQ M	352.000				
M4428230	CL D PATCH T2 250	SQ M	333.000				
M4428235	CL D PATCH T2 275	SQ M	86.000				
M4428242	CL D PATCH T2 305	SQ M	176.000				
M4428330	CL D PATCH T3 250	SQ M	18.000				
M4428335	CL D PATCH T3 275	SQ M	18.000				
M4428430	CL D PATCH T4 250	SQ M	195.000				
M4428435	CL D PATCH T4 275	SQ M	539.000				
M4430020	STRIP REF CR CON TR	METER	3,046.000				
M4812150	AGGREGATE SHLDS B 150	SQ M	268.000				

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M4820550	HMA SHOULDERS 150	SQ M	229.000				
M5030350	CONC STRUCT	CU M	114.000				
M5080105	REINFORCEMENT BARS	KG	1,235.000				
M5090540	PIPE HANDRAIL	METER	7.200				
M5403000	CONC BOX CUL	CU M	16.700				
M5403220	EXPAN BOLTS M20	EACH	12.000				
M542E112	PRC FL-END SEC 300	EACH	1.000				
M542E120	PRC FL-END SEC 450	EACH	1.000				
M542E152	PRC FL-END SEC 1200	EACH	1.000				
M5500210	STORM SEW CL B 1 100	METER	67.000				
M5500226	STORM SEW CL B 1 250	METER	44.000				
M5500240	STORM SEW CL B 1 375	METER	131.000				
M5505530	SS RG CL A 1 300	METER	809.000				
M5505540	SS RG CL A 1 375	METER	121.500				
M5505550	SS RG CL A 1 450	METER	121.500				

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M5505930	SS RG CL A 2 300	METER	324.000				
M5505940	SS RG CL A 2 375	METER	112.000				
M5505950	SS RG CL A 2 450	METER	183.500				
M5505970	SS RG CL A 2 600	METER	287.000				
M5505990	SS RG CL A 2 750	METER	91.000				
M5506020	SS RG CL A 2 1050	METER	17.000				
M5506030	SS RG CL A 2 1200	METER	7.500				
M5510020	STORM SEWER REM 250	METER	16.500				
M5510025	STORM SEWER REM 300	METER	22.000				
M5510060	STORM SEWER REM 600	METER	24.000				
M5630400	ADJ SAN SEW 200 LESS	METER	211.000				
M5630600	ADJ WATER SERV LINES	METER	31.000				
M6010085	GEO FAB-FRENCH DRAIN	SQ M	1,017.000				
M6010610	PIPE UNDERDRAINS 150	METER	337.000				
M6010710	PIPE UNDERDRN 150 SP	METER	269.000				

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M6021410	MAN A 1.2D T1F CL	EACH	26.000				
M6021415	MAN A 1.2D T3F&G	EACH	7.000				
M6021417	MAN A 1.2D T3VF&G	EACH	9.000				
M6021610	MAN A 1.5D T1F CL	EACH	7.000				
M6021615	MAN A 1.5D T3F&G	EACH	1.000				
M6021617	MAN A 1.5D T3VF&G	EACH	8.000				
M6021810	MAN A 1.8D T1F CL	EACH	2.000				
M6021815	MAN A 1.8D T3F&G	EACH	1.000				
M6021935	MAN A 1.8D SPL F&G	EACH	2.000				
M6060010	CLASS SI CONC OUTLET	CU M	3.100				
M6060070	CONC CURB TB	METER	11.000				
M6060500	COMB CC&G TB15.30	METER	165.200				
M6060600	COMB CC&G TB15.45	METER	167.400				
M6060700	COMB CC&G TB15.60	METER	3,096.700				
M6064100	CONC MED TSB15.30	SQ M	60.000				

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M6110065	MISC CONCRETE	CU M	1.800				
M6320030	GUARDRAIL REMOV	METER	93.000				
M6640100	CH LK FENCE 1.2	METER	10.000				
*ADD M6690100	BACKFILL PLUGS	CU M	45.000				
*ADD M6690200	NON SPL WASTE DISPOSL	CU M	2,183.000				
M7030100	SHORT TERM PAVT MKING	METER	2,727.000				
M7030210	TEMP PVT MK LTR & SYM	SQ M	332.000				
M7030220	TEMP PVT MK LINE 100	METER	15,739.000				
M7030240	TEMP PVT MK LINE 150	METER	1,131.000				
M7030260	TEMP PVT MK LINE 300	METER	122.000				
M7030280	TEMP PVT MK LINE 600	METER	218.000				
M7031000	WORK ZONE PAVT MK REM	SQ M	956.000				
M7800100	THPL PVT MK LTR & SYM	SQ M	83.000				
M7800105	THPL PVT MK LINE 100	METER	4,746.000				
M7800115	THPL PVT MK LINE 150	METER	262.000				

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M7800125	THPL PVT MK LINE 300	METER	75.000				
M7800140	THPL PVT MK LINE 600	METER	76.000				
M7800200	PT PVT MK LTRS & SYMB	SQ M	15.000				
M7800205	PAINT PVT MK LN 100	METER	645.000				
M7800215	PAINT PVT MK LN 150	METER	714.000				
M7800225	PAINT PVT MK LN 300	METER	47.000				
M7800640	EPOXY PVT MK LN 600	METER	111.000				
M7830100	PAVT MARKING REMOVAL	SQ M	277.000				
M8101354	UNDRGRD C PVC 25	METER	92.000				
M8101358	UNDRGRD C PVC 40	METER	16.000				
M8101362	UNDRGRD C PVC 50	METER	1,102.000				
M8101366	UNDRGRD C PVC 65	METER	64.000				
M8101370	UNDRGRD C PVC 75	METER	152.000				
M8101378	UNDRGRD C PVC 100	METER	76.000				
M8101394	UNDRGRD C PVC 150	METER	4.000				

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M8110150	CON AT ST 40 GALVS	METER	6.000				
M8110160	CON AT ST 50 GALVS	METER	6.000				
M8170020	EC C XLP USE 1C 10	METER	712.000				
M8307105	LP WD 10.67 CL3	EACH	3.000				
M8730925	ELCBL C TRACER 14 1C	METER	923.000				
M8731220	ELCBL C SIGNAL 14 3C	METER	1,139.000				
M8731240	ELCBL C SIGNAL 14 5C	METER	1,132.000				
M8731250	ELCBL C SIGNAL 14 7C	METER	1,215.000				
M8731515	ELCBL C LEAD 18 3PR	METER	1,378.000				
M8731800	ELCBL C SERV 6 2C	METER	24.000				
M8731850	ELCBL C GROUND 6 1C	METER	512.000				
M8750670	TS POST A 3.65	EACH	2.000				
M8750690	TS POST A 4.25	EACH	4.000				
M8750710	TS POST A 4.85	EACH	6.000				
M8770030	S MAA & P 7.31	EACH	1.000				

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M8770035	S MAA & P 7.92	EACH	1.000				
M8770040	S MAA & P 8.53	EACH	1.000				
M8770050	S MAA & P 9.75	EACH	1.000				
M8770060	S MAA & P 10.97	EACH	1.000				
M8770065	S MAA & P 11.58	EACH	1.000				
M8770765	STL COMB MAA&P 12.19	EACH	5.000				
M8770775	STL COMB MAA&P 13.41	EACH	1.000				
M8780100	CONC FDN TY A	METER	11.100				
M8780150	CONC FDN TY C	METER	3.300				
M8780400	CONC FDN TY E 750D	METER	9.000				
M8780415	CONC FDN TY E 900D	METER	34.200				
M8860100	DET LOOP T1	METER	611.000				
X4021000	TEMP ACCESS- PRIV ENT	EACH	35.000				
X4022000	TEMP ACCESS- COM ENT	EACH	20.000				
X6020074	INLETS TA T3V F&G	EACH	17.000				

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X6020075	INLETS TB T3V F&G	EACH	4.000				
X6670105	PERM SURV MKRS SPL	EACH	6.000				
X7010216	TRAF CONT & PROT SPL	L SUM	1.000				
X7015005	CHANGEABLE MESSAGE SN	CAL DA	14.000				
*ADD Z0007601	BLDG REMOV NO 1	L SUM	1.000				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000				
28000500	INLET & PIPE PROTECT	EACH	89.000				
50104400	CONC HDWL REM	EACH	1.000				
60235700	INLETS TA T3F&G	EACH	24.000				
60236200	INLETS TA T8G	EACH	4.000				
60236600	INLETS TA T9F&G	EACH	1.000				
60236800	INLETS TA T11F&G	EACH	3.000				
60240215	INLETS TB T1F CL	EACH	2.000				
60240220	INLETS TB T3F&G	EACH	20.000				
60240303	INLETS TB T9F&G	EACH	2.000				

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60240310	INLETS TB T11F&G	EACH	4.000				
60256500	MAN ADJ NEW T9F&G	EACH	1.000				
60266600	VALVE BOX ADJ	EACH	29.000				
60300305	FR & LIDS ADJUST	EACH	14.000				
60405800	GRATES & COVERS T2A	EACH	2.000				
60500040	REMOV MANHOLES	EACH	3.000				
60500060	REMOV INLETS	EACH	14.000				
60500305	FILL INLETS	EACH	25.000				
63100085	TRAF BAR TERM T6	EACH	4.000				
63100167	TR BAR TRM T1 SPL TAN	EACH	4.000				
*ADD 66900450	SPL WASTE PLNS/REPORT	L SUM	1.000				
*ADD 66900530	SOIL DISPOSAL ANALY	EACH	5.000				
67000400	ENGR FIELD OFFICE A	CAL MO	14.000				
67100100	MOBILIZATION	L SUM	1.000				
70103815	TR CONT SURVEILLANCE	CAL DA	426.000				

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78100100	RAISED REFL PAVT MKR	EACH	413.000				
80500100	SERV INSTALL TY A	EACH	3.000				
81400100	HANDHOLE	EACH	19.000				
81400300	DBL HANDHOLE	EACH	3.000				
81500100	GULFBOX JUNCTION	EACH	1.000				
81500130	GULFBOX JUNCTION REM	EACH	5.000				
82103250	LUM SV HOR MT PC 250W	EACH	6.000				
85700200	FAC T4 CAB	EACH	3.000				
86000100	MASTER CONTROLLER	EACH	1.000				
86200200	UNINTER POWER SUP STD	EACH	3.000				
86400100	TRANSCEIVER - FIB OPT	EACH	3.000				
87601200	PED P-B POST GALVS T2	EACH	6.000				
88040070	SH P LED 1F 3S BM	EACH	6.000				
88040090	SH P LED 1F 3S MAM	EACH	27.000				
88040160	SH P LED 1F 5S MAM	EACH	6.000				

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88040260	SH P LED 2F 1-3 1-5BM	EACH	6.000				
88102825	PED SH P LED 1F BM CT	EACH	24.000				
88200100	TS BACKPLATE	EACH	31.000				
88500100	INDUCTIVE LOOP DETECT	EACH	21.000				
88800100	PED PUSH-BUTTON	EACH	24.000				
89000100	TEMP TR SIG INSTALL	EACH	3.000				
89502375	REMOV EX TS EQUIP	EACH	3.000				
89502380	REMOV EX HANDHOLE	EACH	18.000				
89502385	REMOV EX CONC FDN	EACH	21.000				

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BUILDING REMOVAL

This work shall consist of the removal of the existing building located at the northwest corner of Iowa Street and East Main Street in accordance with the applicable portions of Articles 107.01, 202.03, 205.05, Section 501 of the Standard Specifications and any other provisions included herein. The Contractor shall demolish and remove all building materials and appurtenances designated for removal on the plans. Removal shall include all building components, mechanical systems, floor slabs and all foundations. All exterior concrete slabs at door approaches shall also be removed and disposed of. The existing foundations and floors shall be removed to a depth of at least one foot below the proposed aggregate subgrade or finished ground surface. Any holes, such as basements, shall be filled with a suitable granular material. The building location is shown on the plans and is identified as follows:

Bldg. No.	Parcel Name	Parcel No.	Location	Description
1	Jeff A. Sirratt	5630003	Sta. 94+080	Commercial Building

Building Removal No. 2 as shown in the plans was completed under a separate contract.

Discontinuance of Utilities: The Contractor shall arrange for the discontinuance of all utility services and the removal of the metering devices that serve the building(s) according to the respective requirements and regulations of the City, County, or utility companies involved. The Contractor shall disconnect and seal, in an approved manner, all service outlets that serve any building(s) he/she is to remove.

Signs: Immediately upon execution of the contract and prior to the wrecking of any structures, the Contractor shall be required to paint or stencil, in contrasting colors of an oil base paint, on all four sides of each residence and two opposite sides of other structures, the following sign:

PROPERTY ACQUIRED FOR
HIGHWAY CONSTRUCTION
TO BE DEMOLISHED
BY THE STATE OF ILLINOIS

VANDALS WILL BE PROSECUTED

The signs shall be positioned in a prominent location on the structure so that they can be easily seen and read and at a sufficient height to prevent defacing. The Contractor shall not paint signs nor start demolition of any building(s) prior to the time that the State becomes the owner of the respective building(s).

Added 10/25/2012

Building 1 has not been tested for Asbestos. The Department will provide the Contractor the Asbestos Survey Report with results of the testing. If testing reveals that Friable or Non-Friable Asbestos is present in any building, the asbestos containing building(s) shall be removed in accordance with the applicable specifications contained herein. Additional work effort required due to the presence of asbestos will be paid for according to Article 109.04 of the Standard Specifications.

If any asbestos materials are identified or encountered during testing or inspections, all friable asbestos shall be removed from the building(s) prior to demolition. The Contractor has the option of removing the non-friable asbestos prior to demolition or demolishing the building(s) with the non-friable asbestos in place.

ASBESTOS ABATEMENT (GENERAL CONDITIONS):

This work consists of the removal and disposal of friable and non-friable asbestos from the building(s) to be demolished. All work shall be done according to the requirements of the U.S. Environmental Protection Agency (USEPA), the Illinois Environmental Protection Agency (IEPA), the Occupational Safety and Health Administration (OSHA), and the Special Provisions as outlined herein.

If testing reveals that Friable or Non-Friable Asbestos is present in any building, the Department shall provide sketches indicating the location of Asbestos Containing Material (ACM), a Materials Description Table with a brief description and location of the various materials, and a Materials Quantities Table, which states whether the ACM is friable or non-friable and gives the approximate quantity.

The work involved in the removal and disposal of friable asbestos, and non-friable asbestos if done prior to demolition, shall be performed by a Contractor or Sub-Contractor prequalified with the Illinois Capital Development Board.

The Contractor shall provide a shipping manifest to the Engineer for the disposal of all ACM wastes.

Permits: The Contractor shall apply for permit(s) in compliance with applicable regulations of the Illinois Environmental Protection Agency. Any and all other permits required by other federal, state, or local agencies for carrying on the work shall be the responsibility of the Contractor. Copies of these permits shall be sent to the district office and the Engineer.

Notifications: The "Demolition/Renovation Notice" form, which can be obtained from the IEPA office, shall be completed and submitted to the address listed below at least ten days prior to commencement of any asbestos removal or demolition activity. Separate notices shall be sent for the asbestos removal work and the building demolition if they are done as separate operations.

Added 10/25/2012

Asbestos Demolition/Renovation Coordinator
Illinois Environmental Protection Agency
Division of Air Pollution Control
P. O. Box 19276
Springfield, Illinois 62794-9276
(217)785-1743

Notices shall be updated if there is a change in the starting date or the amount of asbestos changes by more than 20 percent.

Submittals:

A. All submittals and notices shall be made to the Engineer, except where otherwise specified herein.

B. Submittals that shall be made prior to start of work:

1. Submittals required under Asbestos Abatement Experience.

2. Submit documentation indicating that all employees have had medical examinations and instruction on the hazards of asbestos exposure, on use and fitting of respirators, on protective dress, on use of showers, on entry and exit from work areas, and on all aspects of work procedures and protective measures as specified in Worker Protection Procedures.

3. Submit manufacturer's certification stating that vacuums, ventilation equipment, and other equipment required to contain airborne fibers conform to ANSI 29.2.

4. Submit to the Engineer the brand name, manufacturer, and specification of all sealants or surfactants to be used. Testing under existing conditions will be required at the direction of the Engineer.

5. Submit proof that all required permits, site locations, and arrangements for transport and disposal of asbestos-containing or asbestos-contaminated materials, supplies, and the like have been obtained (i.e., a letter of authorization to utilize designated landfill).

6. Submit a list of penalties, including liquidated damages, incurred through noncompliance with asbestos abatement project specifications.

Added 10/25/2012

7. Submit a detailed plan of the procedures proposed for use in complying with the requirements of this specification. Include in the plan the location and layout of decontamination units, the sequencing of work, the respiratory protection plan to be used during this work, a site safety plan, a disposal plan including the location of an approved disposal site, and a detailed description of the methods to be used to control pollution. The plan shall be submitted to the Engineer prior to the start of work.

8. Submit proof of written notification and compliance with Paragraph "Notifications".

C. Submittals that shall be made upon completion of abatement work:

1. Submit copies of all waste chain-of-custodies, trip tickets, and disposal receipts for all asbestos waste materials removed from the work area;

2. Submit daily copies of work site entry logbooks with information on worker and visitor access;

3. Submit logs documenting filter changes on respirators, HEPA vacuums, negative pressure ventilation units, and other engineering controls; and

4. Submit results of any bulk material analysis and air sampling data collected during the course of the abatement including results of any on-site testing by any federal, state, or local agency.

Certificate of Insurance:

A. The Contractor shall document general liability insurance for personal injury, occupational disease and sickness or death, and property damage.

B. The Contractor shall document current Workmen's Compensation Insurance coverage.

C. The Contractor shall supply insurance certificates as specified by the Department.

Asbestos Abatement Experience:

A. Company Experience: Prior to starting work, the Contractor shall supply evidence that he/she has been prequalified with the Illinois Capital Development Board and that he/she has been included on the Illinois Department of Public Health's list of approved Contractors.

Added 10/25/2012

B. Personnel Experience:

1. For Superintendent, the Contractor shall supply:

a. Evidence of knowledge of applicable regulations in safety and environmental protection is required as well as training in asbestos abatement as evidenced by the successful completion of a training course in supervision of asbestos abatement as specified in 40 CFR 763, Subpart E, Appendix C, EPA Model Contractor Accreditation Plan. A copy of the certificate of successful completion shall be provided to the Engineer prior to the start of work.

b. Documentation of experience with abatement work in supervisory position as evidenced through supervising at least two asbestos abatement projects; provide names, contact, phone number, and locations of two projects in which the individual(s) has worked in a supervisory capacity.

2. For workers involved in the removal of friable and non-friable asbestos, the Contractor shall provide training as evidenced by the participation and successful completion of an accredited training course for asbestos abatement workers as specified in 40 CFR 763, Subpart E, Appendix C, EPA Model Contractor Accreditation Plan. A copy of the certificate of successful completion shall be provided to all employees who will be working on this project.

ABATEMENT AIR MONITORING: The Contractor shall comply with the following:

A. Personal Monitoring: All personal monitoring shall be conducted per specifications listed in OSHA regulation, Title 29, Code of Federal Regulation 1926.58.

All area sampling shall be conducted according to 40 CFR Part 763.90. All air monitoring equipment shall be calibrated and maintained in proper operating condition.

Excursion limits shall be monitored daily. Personal monitoring is the responsibility of the Contractor. Additional personal samples may be required by the Engineer at any time during the project.

B. Contained Work Areas for Removal of Friable Asbestos: Area samples shall be collected for the department within the work area daily. A minimum of one sample shall be taken outside of the abatement area removal operations. The Engineer will also have the option to require additional personal samples and/or clearance samples during this type of work.

Added 10/25/2012

C. Interior Non-Friable Asbestos-Containing Materials: The Contractor shall perform personal air monitoring during removal of all non-friable Transite and floor tile removal operations. The Engineer will also have the option to require additional personal samples and/or clearance samples during this type of work.

D. Exterior Non-Friable Asbestos-Containing Materials: The Contractor shall perform personal air monitoring during removal of all non-friable cementitious panels, piping, roofing felts, and built up roofing materials that contain asbestos. The Contractor shall conduct downwind area sampling to monitor airborne fiber levels at a frequency of no less than three per day.

E. Air Monitoring Professional

1. All air sampling shall be conducted by a qualified Air Sampling Professional supplied by the Contractor. The Air Sampling Professional shall submit documentation of successful completion of the National Institute for Occupational Safety and Health (NIOSH) course #582 – "Sampling and Evaluating Airborne Asbestos Dust".

2. Air sampling shall be conducted according to NIOSH Method 7400. The results of these tests shall be provided to the Engineer within 24 hours of the collection of air samples.

If the Contractor chooses to demolish the building(s) with the non-friable asbestos in place, the following shall apply:

A. Continuously wet all non-friable ACM and other building debris with water during demolition.

B. Dispose of all demolition debris as asbestos containing material by placing it in lined, covered transport haulers and placing it in an approved landfill.

This work shall be measured and paid for at the contract unit price per lump sum for BUILDING REMOVAL NO. 1, which price shall include all necessary equipment, labor and materials necessary for the removal, including any necessary backfilling material, and satisfactory off-site disposal of all items described herein associated with the demolition of the existing building. The lump-sum unit price(s) for this work shall represent the cost of demolition and disposal assuming all asbestos, friable and non-friable, is removed prior to demolition. Additional work required due to the presence of asbestos, friable or non-friable, will be paid for according to Article 109.04 of the Standard Specifications.

Added 10/25/2012

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.

Added 10/25/2012

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:

"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.

Added 10/25/2012

(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.

(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.

Added 10/25/2012

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."

Added 10/25/2012

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 93+950 to Station 94+050 0 to 20 meters (0 to 65 feet) RT (Illiana VA Hospital, PESA Site 660V-17, 1900 East Main Street). 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 94+150 to Station 94+180 0 to 15 meters (0 to 49 feet) RT (Danville Area Community, PESA Site 660V-18, 2000 East Main Street). 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 94+250 to Station 94+285 0 to 15 meters (0 to 49 feet) LT (Casey's Gas Station, PESA Site 660V-10, 2101 East Main Street). This material meets the criteria of Article 669.09(b) and shall be managed in accordance to Article 669.09.

Added 10/25/2012

- Station 94+300 to Station 94+370 0 to 40 meters (0 to 131 feet) RT (Danville Area Community, PESA Site 660V-18, 2000 East Main Street). 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 94+360 to Station 94+380 0 to 15 meters (0 to 49 feet) LT (Royal Donut, PESA Site 660V-12, 2201 East Main Street). 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: SVOCs and Manganese.
- Station 94+420 to Station 94+460 0 to 20 meters (0 to 65 feet) RT (Danville Area Community, PESA Site 660V-18, 2000 East Main Street). 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: SVOCs.

- Station 94+880 to Station 94+910 0 to 15 meters (0 to 49 feet) LT (Residence 1, PESA Site 660V-22, 2705 East Main Street). 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 94+980 to Station 95+010 0 to 20 meters (0 to 65 feet) RT (Residence 3, PESA Site 660V-32, 2802 East Main Street). 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 95+150 to Station 95+175 0 to 15 meters (0 to 49 feet) RT (McQueen's Custom Wheels, PESA Site 660V-34, 2916 East Main Street). 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 95+250 to Station 95+280 0 to 15 meters (0 to 49 feet) LT (Residence and Forest, PESA Site 660V-28, 3009 East Main Street). 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: SVOCs.
- Station 95+310 to Station 95+330 0 to 20 meters (0 to 65 feet) LT (Residence and Forest, PESA Site 660V-28, 3009 East Main Street). 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.

Backfill pugs shall be place within the following locations.

- Station 94+215 to Station 94+285 0 to 20 meters (0 to 65 feet) LT (Casey's Gas Station, PESA Site 660V-10, 2101 East Main Street). Contaminants of concern sampling parameters: Iron, Lead, and Manganese.

Engineered Barrier. An engineered barrier shall be installed in storm sewer trenches between Station 94+360 to Station 94+380 0 to 15 meters (0 to 49 feet) LT 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.

Added 10/25/2012

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.

Added 10/25/2012