

October 31, 2012

SUBJECT: FAU Route 3887(IL 31) Project ACHSIP-3887(008) Section S-N Kane County Contract No. 60A95 Item No. 53, 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 the Table of Contents to the Special Provisions.
- 3. Revised pages 86-88 of the Special Provisions.
- 4. Added pages 193-198 to the Special Provisions.
- 5. Revised sheets 3, 8, 13, 28, 33 & 82 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 Baranzelli, Acting Engineer of Design and Environment

Seater Dalachbyon DE.

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

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

C-91-154-06 State Job # -

KANE- -

**Project Number** ACHSIP-3887/008/ Route

FAU 3887

Code -89 - -District -1 - -Section Number -S-N

County Name -

\* REVISED: OCTOBER 31, 2012

ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
A2004620	T-GLEDIT TRI IN 2-1/2	EACH	10.000				
A2006516	T-QUERCUS BICOL 2	EACH	9.000				
B2001620	T-CRAT CRU-I TF 2-1/2	EACH	11.000				
K0029634	WEED CONTR PRE-EM GRN	POUND	2.000				
*ADD XX003308	TRENCH DRAIN	FOOT	20.000				
*DELETE	TRENCH DRAIN	EACH	<del>1.000</del>				
X0322917	PRO SS CONN TO EX MAN	EACH	5.000				
X0324085	EM VEH P S LSC 20 3C	FOOT	339.000				
X2130010	EXPLOR TRENCH SPL	FOOT	710.000				
X4021000	TEMP ACCESS- PRIV ENT	EACH	5.000				
X4022000	TEMP ACCESS- COM ENT	EACH	19.000				
X4401198	HMA SURF REM VAR DP	SQ YD	16,946.000				
X5509900	ABANDON FILL SS	FOOT	793.000				
X5537800	SS CLEANED 12	FOOT	470.000				
X5537900	SS CLEANED 15	FOOT	74.000				

Page 1 11/1/2012

C-91-154-06 State Job # -

KANE- -

S-N

**Project Number** ACHSIP-3887/008/

Route

FAU 3887

Code -89 - -District -1 - -Section Number -

County Name -

\* REVISED: OCTOBER 31, 2012

ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
X5538200	SS CLEANED 24	FOOT	66.000				
X6020094	MAN TA 6D T1F CL R-P	EACH	1.000				
X6061100	CONC MED TSB SPL	SQ FT	855.000				
X6640300	CH LK FENCE REMOV	FOOT	90.000				
X7010216	TRAF CONT & PROT SPL	L SUM	1.000				
X8360120	LIGHT POLE FDN SPL	EACH	6.000				
X8570231	FAC T5 CAB SPL	EACH	1.000				
X8600105	MASTER CONTROLLER SPL	EACH	1.000				
X8620200	UNINTER POWER SUP SPL	EACH	1.000				
X8710024	FOCC62.5/125 MM12SM24	FOOT	3,885.000				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000				
Z0030850	TEMP INFO SIGNING	SQ FT	150.000				
Z0033046	RE-OPTIMIZE SIG SYS 2	EACH	1.000				
Z0056668	SS 2 WAT MN 12	FOOT	22.000				
Z0056669	SS 2 WAT MN 15	FOOT	4.000				

Page 2 11/1/2012

C-91-154-06 State Job # -

County Name -KANE- -Code -89 - -District -1 - -

S-N

Section Number -

**Project Number** ACHSIP-3887/008/

Route

FAU 3887

\* REVISED: OCTOBER 31, 2012

ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
Z0062456	TEMP PAVEMENT	SQ YD	457.000				
Z0073510	TEMP TR SIGNAL TIMING	EACH	1.000				
20100110	TREE REMOV 6-15	UNIT	217.000				
20100210	TREE REMOV OVER 15	UNIT	230.000				
20101000	TEMPORARY FENCE	FOOT	385.000				
20101100	TREE TRUNK PROTECTION	EACH	13.000				
20101200	TREE ROOT PRUNING	EACH	13.000				
20101400	NITROGEN FERT NUTR	POUND	33.000				
20101500	PHOSPHORUS FERT NUTR	POUND	33.000				
20101600	POTASSIUM FERT NUTR	POUND	33.000				
20201200	REM & DISP UNS MATL	CU YD	5,985.000				
20400800	FURNISHED EXCAVATION	CU YD	225.000				
20800150	TRENCH BACKFILL	CU YD	242.000				
21001000	GEOTECH FAB F/GR STAB	SQ YD	5,890.000				
21101625	TOPSOIL F & P 6	SQ YD	2,676.000				

Page 3 11/1/2012

C-91-154-06 State Job # -

District -

Section Number -

County Name -KANE- -Code -89 - -

1 - -

S-N

**Project Number** ACHSIP-3887/008/

Route

FAU 3887

\* REVISED: OCTOBER 31, 2012

ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
25200110	SODDING SALT TOLERANT	SQ YD	2,676.000				
25200200	SUPPLE WATERING	UNIT	134.000				
28000250	TEMP EROS CONTR SEED	POUND	221.000				
28000400	PERIMETER EROS BAR	FOOT	4,438.000				
28000510	INLET FILTERS	EACH	64.000				
30300001	AGG SUBGRADE IMPROVE	CU YD	2,042.000				
31101200	SUB GRAN MAT B 4	SQ YD	7,359.000				
35101600	AGG BASE CSE B 4	SQ YD	127.000				
35300300	PCC BSE CSE 8	SQ YD	1,029.000				
35300415	PCC BSE CSE 9 3/4	SQ YD	2,136.000				
35400300	PCC BASE CSE W 8	SQ YD	226.000				
35400475	PCC BASE CSE W 9 3/4	SQ YD	770.000				
35501308	HMA BASE CSE 6	SQ YD	38.000				
35501316	HMA BASE CSE 8	SQ YD	429.000				
40600200	BIT MATLS PR CT	TON	19.100				

Page 4 11/1/2012

C-91-154-06 State Job # -

County Name -KANE- -Code -89 - -District -1 - -

S-N

Section Number -

**Project Number** ACHSIP-3887/008/

Route

FAU 3887

\* REVISED: OCTOBER 31, 2012

ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
40600300	AGG PR CT	TON	86.000				
40600400	MIX CR JTS FLANGEWYS	TON	40.000				
40600635	LEV BIND MM N70	TON	217.000				
40600895	CONSTRUC TEST STRIP	EACH	2.000				
40600982	HMA SURF REM BUTT JT	SQ YD	107.000				
40603240	P HMA BC IL19.0 N90	TON	2,629.500				
40603335	HMA SC "D" N50	TON	52.000				
40603595	P HMA SC "F" N90	TON	2,045.000				
42001300	PROTECTIVE COAT	SQ YD	214.000				
42300200	PCC DRIVEWAY PAVT 6	SQ YD	48.000				
42300400	PCC DRIVEWAY PAVT 8	SQ YD	166.000				
42400200	PC CONC SIDEWALK 5	SQ FT	29,313.000				
42400300	PC CONC SIDEWALK 6	SQ FT	705.000				
	PC CONC SIDEWALK 8	SQ FT	3,441.500				
	DETECTABLE WARNINGS	SQ FT	301.000				

Page 5 11/1/2012

C-91-154-06 State Job # -

County Name -KANE- -Code -89 - -

Project Number ACHSIP-3887/008/

Route

FAU 3887

District -1 - -Section Number -S-N

\* REVISED: OCTOBER 31, 2012

ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
44000100	PAVEMENT REM	SQ YD	1,974.000				
44000200	DRIVE PAVEMENT REM	SQ YD	1,462.000				
44000300	CURB REM	FOOT	452.000				
44000500	COMB CURB GUTTER REM	FOOT	6,136.000				
44000600	SIDEWALK REM	SQ FT	19,822.000				
44003100	MEDIAN REMOVAL	SQ FT	20,006.000				
44201803	CL D PATCH T2 13	SQ YD	78.000				
44201807	CL D PATCH T3 13	SQ YD	17.000				
44201809	CL D PATCH T4 13	SQ YD	26.000				
44300200	STRIP REF CR CON TR	FOOT	10,303.000				
550A0340	STORM SEW CL A 2 12	FOOT	1,049.000				
550A0360	STORM SEW CL A 2 15	FOOT	93.000				
550A0410	STORM SEW CL A 2 24	FOOT	7.000				
550A0450	STORM SEW CL A 2 36	FOOT	266.000				
550A0470	STORM SEW CL A 2 42	FOOT	5.000				

Page 6 11/1/2012

C-91-154-06 State Job # -

County Name -KANE- -Code -89 - -District -

Section Number -

1 - -

S-N

**Project Number** ACHSIP-3887/008/

Route

FAU 3887

\* REVISED: OCTOBER 31, 2012

ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
55100300	STORM SEWER REM 8	FOOT	22.000				
55100500	STORM SEWER REM 12	FOOT	68.000				
55100700	STORM SEWER REM 15	FOOT	9.000				
55101200	STORM SEWER REM 24	FOOT	7.000				
55101600	STORM SEWER REM 36	FOOT	8.000				
55101800	STORM SEWER REM 42	FOOT	13.000				
60107700	PIPE UNDERDRAINS 6	FOOT	190.000				
60201105	CB TA 4 DIA T11F&G	EACH	3.000				
60201340	CB TA 4 DIA T24F&G	EACH	21.000				
60205040	CB TA 5 DIA T24F&G	EACH	2.000				
60207605	CB TC T8G	EACH	2.000				
60208240	CB TC T24F&G	EACH	2.000				
60218300	MAN TA 4 DIA T1F OL	EACH	1.000		•		
60218400	MAN TA 4 DIA T1F CL	EACH	12.000				
60219000	MAN TA 4 DIA T8G	EACH	1.000				

Page 7 11/1/2012

C-91-154-06 State Job # -

County Name -KANE--Code -89 - -District -1 - -

S-N

Section Number -

**Project Number** ACHSIP-3887/008/

Route

FAU 3887

\* REVISED: OCTOBER 31, 2012

ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
60219540	MAN TA 4 DIA T24F&G	EACH	2.000				
60221100	MAN TA 5 DIA T1F CL	EACH	4.000				
60222240	MAN TA 5 DIA T24F&G	EACH	2.000				
60223800	MAN TA 6 DIA T1F CL	EACH	3.000				
60224446	MAN TA 7 DIA T1F CL	EACH	1.000				
60224449	MAN TA 7 DIA T24F&G	EACH	1.000				
60234200	INLETS TA T1F OL	EACH	1.000				
60236200	INLETS TA T8G	EACH	1.000				
60236800	INLETS TA T11F&G	EACH	7.000				
60237470	INLETS TA T24F&G	EACH	5.000				
60250500	CB ADJ NEW T1F CL	EACH	2.000				
60251500	CB ADJ NEW T11F&G	EACH	1.000				
60251740	CB ADJ NEW T24F&G	EACH	4.000				
*REV 60255500	MAN ADJUST	EACH	9.000				
60258200	MAN RECON NEW T1F CL	EACH	1.000				

Page 8 11/1/2012

C-91-154-06 State Job # -

County Name -KANE- -

89 - -

1 - -

\* REVISED: OCTOBER 31, 2012

**Project Number** 

ACHSIP-3887/008/

Section Number -S-N

Code -

District -

ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
60259340	MAN RECON NEW T24F&G	EACH	3.000				
60260100	INLETS ADJUST	EACH	3.000				
60265700	VV ADJUST	EACH	8.000				
60404800	FR & GRATES T11	EACH	2.000				
60404950	FR & GRATES T24	EACH	1.000				
*REV 60406100	FR & LIDS T1 CL	EACH	9.000				
60500040	REMOV MANHOLES	EACH	6.000				
60500050	REMOV CATCH BAS	EACH	10.000				
60500060	REMOV INLETS	EACH	8.000				
60500105	FILL MANHOLES	EACH	3.000				
60500205	FILL CATCH BAS	EACH	7.000				
60600605	CONC CURB TB	FOOT	360.000				
60603800	COMB CC&G TB6.12	FOOT	1,152.000				
60605000	COMB CC&G TB6.24	FOOT	5,475.500				
60608300	COMB CC&G TM2.12	FOOT	911.000				

Page 9 11/1/2012

Route

FAU 3887

C-91-154-06 State Job # -

County Name -KANE- -Code -89 - -District -1 - -

S-N

Section Number -

**Project Number** ACHSIP-3887/008/

Route

FAU 3887

\* REVISED: OCTOBER 31, 2012

ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
60618300	CONC MEDIAN SURF 4	SQ FT	127.000				
60619200	CONC MED TSB6.06	SQ FT	5,039.000				
60619600	CONC MED TSB6.12	SQ FT	126.000				
60626300	STAB MED SURF	SQ YD	861.000				
61139900	STORM SEWER SPEC 6	FOOT	19.000				
61140000	STORM SEWER SPEC 8	FOOT	14.000				
66400105	CH LK FENCE 4	FOOT	90.000				
66900200	NON SPL WASTE DISPOSL	CU YD	5,400.000				
66900450	SPL WASTE PLNS/REPORT	L SUM	1.000				
66900530	SOIL DISPOSAL ANALY	EACH	5.000				
67000400	ENGR FIELD OFFICE A	CAL MO	12.000				
67100100	MOBILIZATION	L SUM	1.000				
70300100		FOOT	832.000				
70300210		SQ FT	655.000				
	TEMP PVT MK LINE 4	FOOT	4,078.000				

Page 10 11/1/2012

C-91-154-06 State Job # -

KANE--

89 - -

**Project Number** ACHSIP-3887/008/ Route

FAU 3887

\* REVISED: OCTOBER 31, 2012

District -1 - -Section Number -S-N

County Name -

Code -

ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
70300240	TEMP PVT MK LINE 6	FOOT	3,525.000				
70300260	TEMP PVT MK LINE 12	FOOT	817.000				
70300280	TEMP PVT MK LINE 24	FOOT	283.000				
70300510	PAVT MARK TAPE T3 L&S	SQ FT	364.000				
70300520	PAVT MARK TAPE T3 4	FOOT	14,774.000				
70300540	PAVT MARK TAPE T3 6	FOOT	3,085.000				
70300570	PAVT MARK TAPE T3 24	FOOT	112.000				
70301000	WORK ZONE PAVT MK REM	SQ FT	6,691.000				
72000100	SIGN PANEL T1	SQ FT	417.000				
72000200	SIGN PANEL T2	SQ FT	50.000				
72300100	INSTALL EX SIGN PANEL	SQ FT	76.000				
72400100	REMOV SIN PAN ASSY TA	EACH	31.000				
72400200	REMOV SIN PAN ASSY TB	EACH	6.000				
72400310	REMOV SIGN PANEL T1	SQ FT	101.000				
72400720	RELOC SIGN PANEL T2	SQ FT	50.000				

Page 11 11/1/2012

C-91-154-06 State Job # -

County Name -KANE- -Code -89 - -District -1 - -

S-N

Section Number -

**Project Number** ACHSIP-3887/008/

Route

FAU 3887

\* REVISED: OCTOBER 31, 2012

ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
72900100	METAL POST TY A	FOOT	305.000				
72900200	METAL POST TY B	FOOT	176.000				
78000100	THPL PVT MK LTR & SYM	SQ FT	655.000				
78000200	THPL PVT MK LINE 4	FOOT	4,078.000				
78000400	THPL PVT MK LINE 6	FOOT	3,525.000				
78000600	THPL PVT MK LINE 12	FOOT	817.000				
78000650	THPL PVT MK LINE 24	FOOT	283.000				
78100100	RAISED REFL PAVT MKR	EACH	213.000				
78300100	PAVT MARKING REMOVAL	SQ FT	2,180.000				
78300200	RAISED REF PVT MK REM	EACH	105.000				
80500020	SERV INSTALL POLE MT	EACH	1.000				
81028200	UNDRGRD C GALVS 2	FOOT	3,225.000				
81028210	UNDRGRD C GALVS 2 1/2	FOOT	19.000				
81028220	UNDRGRD C GALVS 3	FOOT	130.000				
81028240	UNDRGRD C GALVS 4	FOOT	362.000				

Page 12 11/1/2012

C-91-154-06 State Job # -

County Name -KANE--Code -89 - -

1 - -

**Project Number** ACHSIP-3887/008/ Route

FAU 3887

\* REVISED: OCTOBER 31, 2012

Section Number -S-N

District -

ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
81400100	HANDHOLE	EACH	12.000				
81400200	HD HANDHOLE	EACH	4.000				
81400300	DBL HANDHOLE	EACH	2.000				
81603085	UD 3#4#4GXLPUSE 1 1/4	FOOT	464.000				
84200500	REM LT UNIT SALV	EACH	21.000				
84200804	REM POLE FDN	EACH	27.000				
84400105	RELOC EX LT UNIT	EACH	6.000				
86400100	TRANSCEIVER - FIB OPT	EACH	1.000				
87300925	ELCBL C TRACER 14 1C	FOOT	3,885.000				
87301215	ELCBL C SIGNAL 14 2C	FOOT	1,452.000				
87301225	ELCBL C SIGNAL 14 3C	FOOT	1,792.000				
87301245	ELCBL C SIGNAL 14 5C	FOOT	2,528.000				
87301255	ELCBL C SIGNAL 14 7C	FOOT	1,807.000				
87301305	ELCBL C LEAD 14 1PR	FOOT	4,582.000				
87301805	ELCBL C SERV 6 2C	FOOT	158.000				

Page 13 11/1/2012

C-91-154-06 State Job # -

County Name -KANE- -Code -89 - -District -1 - -

S-N

Section Number -

**Project Number** ACHSIP-3887/008/ Route

FAU 3887

\* REVISED: OCTOBER 31, 2012

ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
87301900	ELCBL C EGRDC 6 1C	FOOT	589.000				
87501200	TS POST 16	EACH	1.000				
87601100	PED P-B POST GALVS T1	EACH	1.000				
87700120	S MAA & P 16	EACH	1.000				
87700140	S MAA & P 20	EACH	1.000				
87700240	S MAA & P 40	EACH	2.000				
87700300	S MAA & P 52	EACH	1.000				
87702770	S MAA & P DMA 55 & 34	EACH	1.000				
87800100	CONC FDN TY A	FOOT	8.000				
87800150	CONC FDN TY C	FOOT	4.000				
87800415	CONC FDN TY E 36D	FOOT	73.000				
87900200	DRILL EX HANDHOLE	EACH	5.000				
88030020	SH LED 1F 3S MAM	EACH	11.000				
	SH LED 1F 5S MAM	EACH	7.000				+
	SH LED 2F 1-3 1-5 BM	EACH	1.000				4

Page 14 11/1/2012

C-91-154-06 State Job # -

County Name -KANE- -

89 - -

1 - -

S-N

Code -

District -

Section Number -

**Project Number** ACHSIP-3887/008/ Route

FAU 3887

\* REVISED: OCTOBER 31, 2012

ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
88102717	PED SH LED 1F BM CDT	EACH	8.000				
88200100	TS BACKPLATE	EACH	18.000				
88500100	INDUCTIVE LOOP DETECT	EACH	14.000				
88600100	DET LOOP T1	FOOT	1,003.000				
88700200	LIGHT DETECTOR	EACH	2.000				
88700300	LIGHT DETECTOR AMP	EACH	1.000				
88800100	PED PUSH-BUTTON	EACH	8.000				
89000100	TEMP TR SIG INSTALL	EACH	1.000				
89502300	REM ELCBL FR CON	FOOT	3,686.000				
89502375	REMOV EX TS EQUIP	EACH	1.000				
89502380	REMOV EX HANDHOLE	EACH	13.000				
89502385	REMOV EX CONC FDN	EACH	11.000				

Page 15 11/1/2012

# TABLE OF CONTENTS

LOCATION OF PROJECT
DESCRIPTION OF PROJECT1
MAINTENANCE OF ROADWAYS1
PUBLIC CONVENIENCE AND SAFETY (DIST 1)2
STATUS OF UTILITIES TO BE ADJUSTED
COMPLETION DATE PLUS WORKING DAYS5
POROUS GRANULAR EMBANKMENT, SUBGRADE6
RECLAIMED ASPHALT PAVEMENT FOR NON-POROUS EMBANKMENT AND BACKFILL
AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS
FINE AGGREGATE FOR HOT- MIX ASPHALT (HMA) (D-1)8
HOT MIX ASPHALT MIXTURES, EGA MODIFIED PERFORMANCE GRADED (PG) ASPHALT BINDER9
RECLAIMED ASPHALT PAVEMENT AND SHINGLES (D-1)10
HOT MIX ASPHALT - MIXTURE DESIGN VERIFICATION AND PRODUCTION (BMPR)
BITUMINOUS PRIME COAT FOR HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) (D-1)21
STABILIZED MEDIAN SURFACE
COARSE AGGREGATE FOR BACKFILL, TRENCH BACKFILL AND BEDDING (D-1)22
CLEANING EXISTING DRAINAGE STRUCTURES
DRAINAGE AND INLET PROTECTION UNDER TRAFFIC (DISTRICT 1)
ADJUSTMENTS AND RECONSTRUCTIONS
STORM SEWER TO BE ABANDONED AND FILLED25
DUCTILE IRON STORM SEWERS
PCC BASE COURSE WIDENING 9-3/4"25
TRENCH DRAIN
PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE
EXPLORATION TRENCH, SPECIAL
HOT MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
MEDIAN SURFACE REMOVAL
CONCRETE MEDIAN TYPE SB (SPECIAL)
CHAIN LINK FENCE REMOVAL
TRAFFIC CONTROL PLAN
TRAFFIC CONTROL AND PROTECTION (ARTERIALS)
TEMPORARY INFORMATION SIGNING
TRAFFIC SIGNAL SPECIFICATIONS
FULL-ACTUATED CONTROLLER AND CABINET (SPECIAL)
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20, 3/C
LIGHT POLE FOUNDATION, SPECIAL83
Revised 10/31/2012

FAU Route 3887 (IL 31) Project ACHSIP388790 Section S-N Kane County Contract 60A95 AGGREGATE SUBGRADE IMPROVEMENT (D-1)......85 ERRATA FOR THE 2012 STANDARD SPECIFICATIONS (BDE)......101 FRICTION AGGREGATE (BDE) ......102 HOT-MIX ASPHALT - DENSITY TESTING OF LONGITUDINAL JOINTS (BDE) ......104 METAL HARDWARE CAST INTO CONCRETE (BDE)......105 PORTLAND CEMENT CONCRETE SIDEWALK (BDE) ......143 REMOVAL AND DISPOSAL OF SURPLUS MATERIALS (BDE) ......154 SELF-CONSOLIDATING CONCRETE FOR PRECAST AND PRECAST PRESTRESSED PRODUCTS TEMPORARY EROSION AND SEDIMENT CONTROL (BDE)......158 UTILITY COORDINATION AND CONFLICTS (BDE)......158 WEEKLY DBE TRUCKING REPORTS (BDE)......168 FUEL COST ADJUSTMENT (BDE) (RETURN FORM WITH BID) ......171

 **303.10 Basis of Payment.** This work will be paid for at the contract unit price per cubic yard (cubic meter) for AGGREGATE SUBGRADE IMPROVEMENT or at the contract unit price per square yard (square meter) for AGGREGATE SUBGRADE IMPROVEMENT, of the thickness specified.

Add the following to Section 1004 of the Standard Specifications:

"**1004.06 Coarse Aggregate for Aggregate Subgrade Improvement.** The aggregate shall be according to Article 1004.01 and the following.

- (a) Description. The coarse aggregate shall be crushed gravel, crushed stone, or crushed concrete.
- (b) Quality. The coarse aggregate shall consist of sound durable particles reasonably free of deleterious materials.
- (c) Gradation.
  - (1) The coarse aggregate gradation for total subgrade thickness less than or equal to 12 in. (300 mm) shall be CS 01.

The coarse aggregate gradation for total subgrade thickness more than 12 in. (300 mm) shall be CS 01 or CS 02.

	COARSE AGGREGATE SUBGRADE GRADATIONS							
Grad No.	Sieve Size and Percent Passing							
Giau No.	8"	6"	4"	2"	#4	#200		
CS 01	100	97 ± 3	90 ± 10	45 ± 25	20 ± 20	5 ± 5		
CS 02		100	80 ± 10	25 ± 15				

	COARSE AGGREGATE SUBGRADE GRADATIONS (Metric)							
Grad No.	Sieve Size and Percent Passing							
Giau No.	200 mm	150 mm	100 mm	50 mm	4.75 mm	75 µm		
CS 01	100	97 ± 3	90 ± 10	45 ± 25	20 ± 20	5±5		
CS 02		100	80 ± 10	25 ± 15				

(2) The 3 in. (75 mm) capping aggregate shall be gradation CA 6 or CA 10."

Revised 10/31/2012

FAU Route 3887 (IL 31) Project ACHSIP388790 Section S-N Kane County Contract 60A95

This page intentionally left blank.

Revised 10/31/2012

FAU Route 3887 (IL 31) Project ACHSIP388790 Section S-N Kane County Contract 60A95

This page intentionally left blank.

Revised 10/31/2012

### 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.

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.
  - (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.

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<sup>-7</sup> 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."

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."

<u>Qualifications</u>. 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>Qualifications</u>. 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. <u>This work shall include monitoring and potential sampling, analytical testing, and management of a material contaminated by regulated substances.</u> 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 Contractor shall manage any excavated soils and sediment within the following areas:

Added 10/31/12

- Station 203+00 to Station 204+80 0 to 60 feet LT (Valley Plastic Surgery, PESA Site 1656A-7,350 South 8<sup>th</sup> 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 204+80 to Station 207+75 0 to 60 feet LT (Residences, PESA Site 1656A-6, 802-803 Royal Lane). 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 203+00 to Station 205+70 0 to 60 feet RT (Residences, PESA Site 1656A-15, 726-727 Oregon Street, 721 and 728 Liberty Street, 720 South 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: Lead.
- Station 206+65 to Station 210+50 0 to 60 feet RT (Residences, PESA Site 1656A-15, 726-727 Oregon Street, 721 and 728 Liberty Street, 720 South 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: Lead.
- Station 207+75 to Station 210+00 0 to 60 feet LT (Vacant Building, PESA Site 1656A-5, 180 South 8<sup>th</sup> 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 210+50 to Station 211+50 0 to 60 feet RT (Commercial Building, PESA Site 1656A-14, 719-729 West 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: Lead and Manganese.
- Station 212+50 to Station 214+30 0 to 140 feet RT (Jiffy Lube, PESA Site 1656A-13, 726 West 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 214+30 to Station 216+10 0 to 50 feet RT (Speedway, PESA Site 1656A-12, 115 North 8<sup>th</sup> 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: PNAs and Lead.
- Station 216+10 to Station 217+20 0 to 60 feet RT (Commercial Building, PESA Site 1656A-11, 201-203 North 8<sup>th</sup> 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: PNAs and Manganese.
- Station 219+00 to Station 219+75 0 to 60 feet RT (Commercial Building, PESA Site 1656A-11, 201-203 North 8<sup>th</sup> 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 219+75 to Station 220+80 0 to 60 feet RT (Bank of America, PESA Site 1656A-10, 315 North 8<sup>th</sup> 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: PNAs and Lead.
- Station 112+00 to Station 114+00 0 to 60 feet RT (Saint Catherine of Siena Parish, PESA Site 1656a-1, 545 West 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: PNAs and Manganese.

- Station 113+00 to Station 114+40 0 to 60 feet LT (Commercial Building, PESA Site 1656A-3, 210-230 North 8<sup>th</sup> 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 117+55 to Station 118+75 0 to 60 feet RT (Commercial Building, PESA Site 1656A-14, 719-729 West 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 Lead.
- Station 118+75 to Station 120+75 0 to 60 feet RT (Residential/Commercial PESA Sites, Site 1656A-18, 501-715 West 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: PNAs, Lead, and Manganese.
- Station 118+75 to Station 120+75 0 to 60 feet LT (US Bank, PESA Site 1656A-17, 704 West 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: Lead.
- Station 120+75 to Station 124+00 0 to 60 feet RT (Commercial Building, PESA Site 1656A-14, 719-729 West 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, Lead, and Manganese.
- Station 122+30 to Station 123+60 0 to 60 feet LT (Residential/Commercial Sites, PESA Site 1656A-18, 501-715 West 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: PNAs and Lead.