September 12, 2011

SUBJECT: FAI Route 57 (I-57)

Project ACBHI-057-7 (292) 346

Section 1112-1B Cook County Contract No. 60863

Item No. 001, September 23, 2011 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.
- Revised the Recurring Special Provision Check Sheet.
- 3. Revised page ii of the Table of Contents to the Special Provisions.
- 4. Revised pages 6 & 48 of the Special Provisions.
- 5. Added pages 130 132 to the Special Provisions.
- 6. Revised sheets 1, 2, 4, 21 23 & 65 of the Plans.
- 7. Added sheets 18A, 21A & 68A to 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,

Scott E. Stitt, P.E.

Acting Engineer of Design and Environment

By: Ted B. Walschleger, P. E.

Ted Jalucklye D.E.

Engineer of Project Management

cc: Diane O'Keefe, Region 1, District 1; Mike Renner; D.Carl Puzey; Estimates

TBW:MS:jc

State Job # - C-91-534-99

PPS NBR - 1-74645-0200 County Name - COOK- -

31 - -

Code - 31 - - District - 1 - -

Section Number - 1112.1B

Project Number

ACBHI-0577/292/346

* REVISED: SEPT 12, 2011

Route

ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
X0325541	REM EX LIGHTING SYSTM	L SUM	1.000				
X2070304	POROUS GRAN EMB SPEC	CU YD	36.000				
X6060500	CORRUGATED MED REM	SQ FT	3,412.000				
X6640304	CH LK FENCE REM & RE	FOOT	152.000				
X7010216	TRAF CONT & PROT SPL	L SUM	1.000				
X7011015	TR C-PROT EXPRESSWAYS	L SUM	1.000				
X7013820	TR CONT SURVEIL EXPWY	CAL DA	10.000				
X7030025	WET REF TEM TP T3 L&S	SQ FT	36.000				
X7030030	WET REF TEM TAPE T3 4	FOOT	14,485.000				
*DELETE X7200056	TEMP SIGN PANEL ASBLY	SQ FT	311.000				
Z0001899	JACK & REM EX BEARING	EACH	20.000				
Z0004552	APPROACH SLAB REM	SQ YD	274.000				
Z0012754	STR REP CON DP = < 5	SQ FT	664.000				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000				
Z0018002	DRAINAGE SCUPPR DS-11	EACH	12.000				

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Item Number	Pay Item Description	Unit of Measure	Quantity	X	Unit Price	=	Total Price
Z0018004	DRAINAGE SCUPPR DS-12	EACH	2.000				
Z0018800	DRAINAGE SYSTEM	L SUM	1.000				
Z0026407	TEMP SHT PILING	SQ FT	141.000				
Z0030280	IMP ATTN TEMP SUN TL3	EACH	2.000				
Z0030360	IMP ATTN REL S U TL3	EACH	2.000				
*REV A108Z0030850	TEMP INFO SIGNING	SQ FT	212.750				
Z0033028	MAINTAIN LIGHTING SYS	CAL MO	6.000				
Z0046304	P UNDR FOR STRUCT 4	FOOT	69.000				
Z0062456	TEMP PAVEMENT	SQ YD	379.000				
21101615	TOPSOIL F & P 4	SQ YD	607.000				
25000210	SEEDING CL 2A	ACRE	0.100				
25000400	NITROGEN FERT NUTR	POUND	11.000				
25000500	PHOSPHORUS FERT NUTR	POUND	11.000				
25000600	POTASSIUM FERT NUTR	POUND	11.000				
25100630	EROSION CONTR BLANKET	SQ YD	607.000				

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Item Number	Pay Item Description	Unit of Measure	Quantity	х	Unit Price	=	Total Price
28000400	PERIMETER EROS BAR	FOOT	1,633.000				
28000510	INLET FILTERS	EACH	8.000				
28100107	STONE RIPRAP CL A4	SQ YD	3.000				
31101400	SUB GRAN MAT B 6	SQ YD	778.000				
40600100	BIT MATLS PR CT	GALLON	780.000				
40600300	AGG PR CT	TON	16.000				
40600635	LEV BIND MM N70	TON	218.000				
40600982	HMA SURF REM BUTT JT	SQ YD	26.000				
40600985	PCC SURF REM BUTT JT	SQ YD	160.000				
40600990	TEMPORARY RAMP	SQ YD	31.000				
40603340	HMA SC "D" N70	TON	328.000				
42001300	PROTECTIVE COAT	SQ YD	736.000				
42001420	BR APPR PVT CON (PCC)	SQ YD	69.000				
44000100	PAVEMENT REM	SQ YD	448.000				
44000159	HMA SURF REM 2 1/2	SQ YD	2,194.000				

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Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
44000500	COMB CURB GUTTER REM	FOOT	1,606.000				
44000600	SIDEWALK REM	SQ FT	204.000				
44200966	CL B PATCH T1 10	SQ YD	120.000				
44200970	CL B PATCH T2 10	SQ YD	268.000				
44200974	CL B PATCH T3 10	SQ YD	426.000				
44200976	CL B PATCH T4 10	SQ YD	320.000				
44201294	CL B PATCH EXPAN JT	FOOT	360.000				
44201296	DEFORMED BARS EXP JT	EACH	500.000				
44201299	DOWEL BARS 1 1/2	EACH	500.000				
44213100	PAVEMENT FABRIC	SQ YD	746.000				
44213200	SAW CUTS	FOOT	3,560.000				
44213208	TIE BARS 1 1/4	EACH	940.000				
44300200	STRIP REF CR CON TR	FOOT	3,742.000				
50102400	CONC REM	CU YD	52.400				
50104650	SLOPE WALL REMOV	SQ YD	136.000				

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Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
50104720	REM EXIST CONC DECK	EACH	1.000				
50157300	PROTECTIVE SHIELD	SQ YD	1,311.000				
50200100	STRUCTURE EXCAVATION	CU YD	36.000				
50300225	CONC STRUCT	CU YD	69.700				
50300255	CONC SUP-STR	CU YD	817.600				
50300260	BR DECK GROOVING	SQ YD	1,335.000				
50300300	PROTECTIVE COAT	SQ YD	2,244.000				
50500405	F & E STRUCT STEEL	POUND	3,850.000				
50500505	STUD SHEAR CONNECTORS	EACH	320.000				
50800205	REINF BARS, EPOXY CTD	POUND	175,100.000				
50800515	BAR SPLICERS	EACH	988.000				
50901730	BRIDGE FENCE RAILING	FOOT	501.000				
51100100	SLOPE WALL 4	SQ YD	139.000				
51500100	NAME PLATES	EACH	1.000				
52000110	PREF JT STRIP SEAL	FOOT	146.000				

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Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
52100010		EACH	20.000				
52100530	ANCHOR BOLTS 1 1/4	EACH	40.000				
54213447	END SECTIONS 12	EACH	2.000				
58700300	CONCRETE SEALER	SQ FT	803.000				
59000200	EPOXY CRACK INJECTION	FOOT	41.000				
59100100	GEOCOMPOSITE WALL DR	SQ YD	24.000				
60100945	PIPE DRAINS 12	FOOT	179.000				
60260100	INLETS ADJUST	EACH	1.000				
60300105	FR & GRATES ADJUST	EACH	10.000				
60603800	COMB CC&G TB6.12	FOOT	1,606.000				
60624600	CORRUGATED MED	SQ FT	3,412.000				
60900140	TY B INLET BOX 609006	EACH	2.000				
60900515	CONC THRUST BLOCKS	EACH	2.000				
63000001	SPBGR TY A 6FT POSTS	FOOT	100.000				
63100045	TRAF BAR TERM T2	EACH	1.000				

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ltem Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
63100085	TRAF BAR TERM T6	EACH	4.000				
63100167	TR BAR TRM T1 SPL TAN	EACH	1.000				
63100169	TR BAR TRM T1 SPL FLR	EACH	1.000				
63200310	GUARDRAIL REMOV	FOOT	345.000				
67000400	ENGR FIELD OFFICE A	CAL MO	8.000				
67100100	MOBILIZATION	LSUM	1.000				
70100310	TRAF CONT-PROT 701421	L SUM	1.000				
70102625	TR CONT & PROT 701606	L SUM	1.000				
70103815	TR CONT SURVEILLANCE	CAL DA	80.000				
70106800	CHANGEABLE MESSAGE SN	CAL MO	12.000				
70300100	SHORT TERM PAVT MKING	FOOT	100.000				
70301000	WORK ZONE PAVT MK REM	SQ FT	4,865.000				
70400100	TEMP CONC BARRIER	FOOT	590.000				
70400200	REL TEMP CONC BARRIER	FOOT	590.000				
72000300	SIGN PANEL T3	SQ FT	791.000				

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Item Number	Pay Item Description	Unit of Measure	Quantity	X	Unit Price	=	Total Price
*DELETE 72400730	RELOC SIGN PANEL T3	SQ FT	311.000				
73304000	OVHD SIN STR BR MT	FOOT	67.000				
73602000	REM OVHD SN STR-BR MT	EACH	4.000				
78000200	THPL PVT MK LINE 4	FOOT	11,232.000				
78000600	THPL PVT MK LINE 12	FOOT	61.000				
78008200	POLYUREA PM T1 LTR-SY	SQ FT	36.400				
78008210	POLYUREA PM T1 LN 4	FOOT	7,724.000				
78008230	POLYUREA PM T1 LN 6	FOOT	110.000				
78100100	RAISED REFL PAVT MKR	EACH	72.000				
78100105	RAISED REF PVT MKR BR	EACH	16.000				
78100200	TEMP RAIS REF PVT MKR	EACH	25.000				
78200100	MONODIR PRIS BAR REFL	EACH	8.000				
78200410	GUARDRAIL MKR TYPE A	EACH	28.000				
78201000	TERMINAL MARKER - DA	EACH	2.000				
78300100	PAVT MARKING REMOVAL	SQ FT	6,472.000				

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78300200	RAISED REF PVT MK REM	EACH	72.000				
81100320	CON AT ST 1 PVC GS	FOOT	525.000				
81100805	CON AT ST 3 PVC GALVS	FOOT	80.000				
81300220	JUN BX SS AS 6X6X4	EACH	14.000				
81300530	JUN BX SS AS 12X10X6	EACH	2.000				
81300730	JUN BX SS AS 16X14X6	EACH	2.000				
81702110	EC C XLP USE 1C 10	FOOT	1,975.000				
81702120	EC C XLP USE 1C 8	FOOT	245.000				
81702130	EC C XLP USE 1C 6	FOOT	735.000				
81900200		FOOT	245.000				
82107200	UNDERPAS LUM 100W HPS	EACH	8.000				

RECURRING SPECIAL PROVISIONS

The following RECURRING SPECIAL PROVISIONS indicated by an "X" are applicable to this contract and are included by reference:

CHE	CK S	SHEET #	PAGE NO.
1	Х	Additional State Requirements For Federal-Aid Construction Contracts	
		(Eff. 2-1-69) (Rev. 1-1-10)	145
2	X	Subletting of Contracts (Federal-Aid Contracts) (Eff. 1-1-88) (Rev. 5-1-93)	148
3	Χ		
4		Specific Equal Employment Opportunity Responsibilities	
		Non Federal-Aid Contracts (Eff. 3-20-69) (Rev. 1-1-94)	159
5		Required Provisions - State Contracts (Éff. 4-1-65) (Rév. 1-1-10)	
6		Reserved	
7		Reserved	
8		Haul Road Stream Crossings, Other Temporary Stream Crossings, and	
		In-Stream Work Pads (Eff. 1-2-92) (Rev. 1-1-98)	171
9		Construction Layout Stakes Except for Bridges (Eff. 1-1-99) (Rev. 1-1-07)	
10	X	Construction Layout Stakes (Eff. 5-1-93) (Rev. 1-1-07)	
11		Use of Geotextile Fabric for Railroad Crossing (Eff. 1-1-95) (Rev. 1-1-07)	
12		Subsealing of Concrete Pavements (Eff. 11-1-84) (Rev. 1-1-07)	
13		Hot-Mix Asphalt Surface Correction (Eff. 11-1-87) (Rev. 1-1-09)	
14		Pavement and Shoulder Resurfacing (Eff. 2-1-00) (Rev. 1-1-09)	
15		PCC Partial Depth Hot-Mix Asphalt Patching (Eff. 1-1-98) (Rev. 1-1-07)	
16		Patching with Hot-Mix Asphalt Overlay Removal (Eff. 10-1-95) (Rev. 1-1-07)	
17		Polymer Concrete (Eff. 8-1-95) (Rev. 1-1-08)	
18		PVC Pipeliner (Eff. 4-1-04) (Rev. 1-1-07)	192
19		Pipe Underdrains (Eff. 9-9-87) (Rev. 1-1-07)	
20	Χ	Guardrail and Barrier Wall Delineation (Eff. 12-15-93) (Rev. 1-1-97)	
21		Bicycle Racks (Eff. 4-1-94) (Rev. 1-1-07)	
22		Temporary Modular Glare Screen System (Eff. 1-1-00) (Rev. 1-1-07)	
23		Temporary Portable Bridge Traffic Signals (Eff. 8-1-03) (Rev. 1-1-07)	
24	X	Work Zone Public Information Signs (Eff. 9-1-02) (Rev. 1-1-07)	204
25	\overline{x}	Night Time Inspection of Roadway Lighting (Eff. 5-1-96)	
26		English Substitution of Metric Bolts (Eff. 7-1-96)	206
27		English Substitution of Metric Reinforcement Bars (Eff. 4-1-96) (Rev. 1-1-03)	207
28		Calcium Chloride Accelerator for Portland Cement Concrete (Eff. 1-1-01)	208
29		Reserved	209
30		Quality Control of Concrete Mixtures at the Plant	
		(Eff. 8-1-00) (Rev. 1-1-11)	210
31	Χ	Quality Control/Quality Assurance of Concrete Mixtures	
		(Eff. 4-1-92) (Rev. 1-1-11)	218
32		Asbestos Bearing Pad Removal (Eff. 11-1-03)	230
33		Asbestos Hot-Mix Asphalt Surface Removal (Eff. 6-1-89) (Rev. 1-1-09)	231
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- (e) Impact attenuators, temporary bridge rail, and temporary rumble strips will be paid for separately.
- (f) Temporary pavement markings shown not shown on the Standard will be measured and paid for according to Section 703 and Section 780.
- (g) All pavement marking removal will be measured and paid for according to Section 703 or Section 783.
- (h) Temporary pavement marking on the lower slope of the temporary concrete barrier wall will be measured and paid for as TEMPORARY PAVEMENT MARKING, 6".
- (i) All prismatic barrier wall reflectors will be measured and paid for according to the Recurring Special Provision Guardrail and Barrier Wall Delineation.

TRAFFIC CONTROL PLAN

Effective: September 30, 1985 Revised: January 1, 2007

Traffic Control shall be according to the applicable sections of the Standard Specifications, the Supplemental Specifications, the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways", any special details and Highway Standards contained in the plans, and the Special Provisions contained herein.

Special attention is called to Article 107.09 of the Standard Specifications and the following Highway Standards, Details, Quality Standard for Work Zone Traffic Control Devices, Recurring Special Provisions and Special Provisions contained herein, relating to traffic control.

The Contractor shall contact the District One Bureau of Traffic at least 72 hours in advance of beginning work.

STANDARDS:

701101, 701400, 701401, **701411**, 701431, **701446**, 701606, 701901

DETAILS:

Maintenance of Traffic Plans

- TC-10 District 1 Traffic Control and Protection For Side Roads, Intersections, and Driveways
- TC-14 District 1 Traffic Control and Protection at Turn Bays (To Remain Open to Traffic)
- TC-17 District 1 Traffic Control Details for Freeway Shoulder Closures and Partial Ramp Closures
- TC-22 District 1 Temporary Information Signing Highways Standards
- TC-25 District 1 Traffic Control Details for Freeway Center Lane Closure Shoulder Lane

SPECIAL PROVISIONS:

Maintenance of Roadways
Traffic Control Plan

"Aerial Cable Assembly. The aerial cable shall be an assembly of insulated aluminum conductors according to Section 1066.02 and 1066.03. Unless otherwise indicated, the cable assembly shall be composed of three insulated conductors and a steel reinforced bare aluminum conductor (ACSR) to be used as the ground conductor. Unless otherwise indicated, the code word designation of this cable assembly is "Palomino". The steel reinforced aluminum conductor shall conform to ASTM B-232. The cable shall be assembled according to ANSI/ICEA S-76-474."

Revise the second paragraph of Article 1066.05 to read:

"The tape shall have reinforced metallic detection capabilities consisting of a woven reinforced polyethylene tape with a metallic core or backing."

Revise Article 1066.08 to read:

"Electrical Tape. Electrical tape shall be all weather vinyl plastic tape resistant to abrasion, puncture, flame, oil, acids, alkalies, and weathering, conforming to Federal Specification MIL-I-24391, ASTM D1000 and shall be listed under UL 510 Standard. Thickness shall not be less than 0.215 mm (8.5 mils) and width shall not be less than 20 mm (3/4-inch)."

REMOVE EXISTING LIGHTING SYSTEM

This work shall consist of the removal and disposal of existing underpass luminaries and all associated hardware and appurtenances.

Method of Measurement. All underpass luminaires, and appurtenant equipment which is removed and disposed of as indicated, will be counted as a lump sum for payment.

Basis of payment. This work will be paid for at the contract unit price per L Sum for REMOVE EXISTING _ LIGHTING **SYSTEM**, which price shall be payment in full for all labor, equipment and materials necessary to complete the work.

APPROACH SLAB REMOVAL

This item shall consist of full depth approach slab removal and disposal at locations designated on the plans and in accordance with the applicable portions of Sections 440 and 501 of the Standard Specification.

Method of Measurement. This work will be measured for payment on the basis of the actual square yards of approach slab removed, regardless of replacement area.

Basis of payment. This work will be paid for at the contract unit price per square yard for APPROACH SLAB REMOVAL, which price shall be payment in full for all labor, equipment and materials necessary to complete the work.

NIGHTTIME WORK ZONE LIGHTING (BDE)

Effective: November 1, 2008

<u>Description</u>. This work shall consist of furnishing, installing, maintaining, moving, and removing lighting for nighttime work zones. Nighttime shall be defined as occurring shortly before sunset until after sunrise.

<u>Materials</u>. The lighting shall consist of mobile and/or stationary lighting systems as required herein for the specific type of construction. Mobile lighting systems shall consist of luminaires attached to construction equipment or moveable carts. Stationary lighting systems shall consist of roadway luminaires mounted on temporary poles or trailer mounted light towers at fixed locations. Some lighting systems, such as balloon lights, may be adapted to both mobile and stationary applications.

Equipment. The Contractor shall furnish an illuminance meter for use by the Engineer. The meter shall have a digital display calibrated to NIST standards, shall be cosine and color corrected, and shall have an accuracy of \pm five percent. The sensor shall have a level indicator to ensure measurements are taken in a horizontal plane.

CONSTRUCTION REQUIREMENTS

<u>General</u>. At the preconstruction conference, the Contractor shall submit the type(s) of lighting system to be used and the locations of all devices.

Before nighttime construction may begin, the lighting system shall be demonstrated as being operational.

<u>Nighttime Flagging</u>. The requirements for nighttime flagging shall be according to Article 701.13 of the Standard Specifications and the glare control requirements contained herein.

Lighting System Design. The lighting system shall be designed to meet the following.

- (a) Lighting Levels. The lighting system shall provide a minimum of 5 foot candles (54 lux) throughout the work area. For mobile operations, the work area shall be defined as 25 ft (9 m) in front of and behind moving equipment. For stationary operations, the work area shall be defined as the entire area where work is being performed.
 - Lighting levels will be measured with an illuminance meter. Readings will be taken in a horizontal plane 3 ft (1 m) above the pavement or ground surface.
- (b) Glare Control. The lighting system shall be designed and operated so as to avoid glare that interferes with traffic, workers, or inspection personnel. Lighting systems with flood, spot, or stadium type luminaires shall be aimed downward at the work and rotated outward no greater than 30 degrees from nadir (straight down). Balloon lights shall be positioned at least 12 ft (3.6 m) above the roadway.

As a large component of glare, the headlights of construction vehicles and equipment shall not be operated within the work zone except as allowed for specific construction operations. Headlights shall never be used when facing oncoming traffic.

(c) Light Trespass. The lighting system shall be designed to effectively light the work area without spilling over to adjoining property. When, in the opinion of the Engineer, the lighting is disturbing adjoining property, the Contractor shall modify the lighting arrangement or add hardware to shield the light trespass.

<u>Construction Operations</u>. The lighting design required above shall be provided at any location where construction equipment is operating or workers are present on foot. When multiple operations are being carried on simultaneously, lighting shall be provided at each separate work area.

The lighting requirements for specific construction operations shall be as follows.

- (a) Installation or Removal of Work Zone Traffic Control. The required lighting level shall be provided at each truck and piece of equipment used during the installation or removal of work zone traffic control. Headlights may be operated in the work zone.
- (b) Milling and Paving. The required lighting level shall be provided by mounting a minimum of one balloon light to each piece of mobile construction equipment used in the work zone. This would include milling machines, mechanical sweepers, material transfer devices, spreading and finishing machines, and rollers; but not include trucks used to transport materials and personnel or other vehicles that are continuously moving in and out of the work zone. The headlights of construction equipment shall not be operated within the work zone.
- (c) Patching. The required lighting level shall be provided at each patching location where work is being performed.
- (d) Pavement Marking and Raised Reflective Pavement Marker Removal/Installation. The striping truck and the attenuator/arrow board trucks may by operated by headlights alone; however, additional lighting may be necessary for the operator of the striping truck to perform the work.
 - For raised reflective pavement marker removal and installation and other pavement marking operations where workers are on foot, the required lighting level shall be provided at each truck and piece of equipment.
- (e) Layout, Testing, and Inspection. The required lighting level shall be provided for each active area of construction layout, material testing, and inspection. The work area shall be defined as 15 ft (7.6 m) in front and back of the individual(s) performing the tasks.

<u>Basis of Payment</u>. This work will be paid for at the contract lump sum price for NIGHTTIME WORK ZONE LIGHTING.

FAILURE TO OPEN TRAFFIC LANES TO TRAFFIC

Effective: March 22, 1996 Revised: February 9, 2005

Should the Contractor fail to completely open and keep open all the traffic lanes to traffic in accordance with the limitations specified under the Special Provisions for "Keeping the Expressway Open to Traffic", the Contractor shall be liable to the Department for the amount of:

Revised 09/12/2011

One lane or ramp blocked = 3,000.00

Two lanes blocked = \$5,000

Not as a penalty but as liquidated and ascertained damages for each and every 15 minute interval or a portion thereof that a lane is blocked outside the allowable time limitations. Such damages may be deducted by the Department from any monies due the Contractor. These damages shall apply during the contract time and during any extensions of the contract time.