



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

February 17, 2017

SUBJECT: FAU 8031 (11th Street)
Section 95-00361-04-PV (Springfield)
Sangamon County
Contract No. 93688
Item 133
March 3, 2017 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 pages 3 – 17 of the Schedule of Prices.**
- 2. Revised page ii of the Table of Contents.**
- 3. Added pages 106 - 108 to the Special Provisions.**
- 4. Revised sheets 1, 14, 19, 115 - 117 of the Plans.**
- 5. Added sheet 120A 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,

Maureen M. Addis, P.E.
Engineer of Design and Environment

A handwritten signature in black ink, reading "Ted B. Walschleger P.E." with a stylized flourish at the end.

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

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
X6061702	CONC MED TSM DOW	SQ FT	1,875.000 X	=		=	
X6061902	CONC MED TSM SPL	SQ FT	2,861.000 X	=		=	
X7010216	TRAF CONT & PROT SPL	L SUM	1.000 X	=		=	
X8250091	COMB LTG CONTROL *	EACH	1.000 X	=		=	
X8410102	TEMP LIGHTING SYSTEM *	L SUM	1.000 X	=		=	
Z0010688	CAMERA MOUNT ASSEMBLY	EACH	4.000 X	=		=	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000 X	=		=	
Z0022800	FENCE REMOVAL	FOOT	1,461.000 X	=		=	
Z0033072	VIDEO VEH DET SYS	EACH	1.000 X	=		=	
Z0054500	ROCK FILL	TON	500.000 X	=		=	
Z0056608	STORM SEW WM REQ 12	FOOT	392.000 X	=		=	
Z0056612	STORM SEW WM REQ 18	FOOT	18.000 X	=		=	
Z0056616	STORM SEW WM REQ 24	FOOT	218.000 X	=		=	
Z0076600	TRAINEES	HOURL	3,000.000 X	=	0.80	=	2,400.00
Z0076604	TRAINEES TPG	HOURL	3,000.000 X	=	15.00	=	45,000.00

* Revised 2-17-2017

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
20100110	TREE REMOV 6-15	UNIT	3,595.000 X	=	=	=	=
20100210	TREE REMOV OVER 15	UNIT	1,374.000 X	=	=	=	=
20101700	SUPPLE WATERING	UNIT	10.000 X	=	=	=	=
20200100	EARTH EXCAVATION	CU YD	14,470.000 X	=	=	=	=
20201200	REM & DISP UNS MATL	CU YD	250.000 X	=	=	=	=
20800150	TRENCH BACKFILL	CU YD	5,619.900 X	=	=	=	=
21101505	TOPSOIL EXC & PLAC	CU YD	5,181.000 X	=	=	=	=
25000200	SEEDING CL 2	ACRE	7.000 X	=	=	=	=
25000400	NITROGEN FERT NUTR	POUND	632.000 X	=	=	=	=
25000500	PHOSPHORUS FERT NUTR	POUND	632.000 X	=	=	=	=
25000600	POTASSIUM FERT NUTR	POUND	632.000 X	=	=	=	=
25000700	AGR GROUND LIMESTONE	TON	14.000 X	=	=	=	=
25100125	MULCH METHOD 3	ACRE	7.000 X	=	=	=	=
28000200	EARTH EXC - EROS CONT	CU YD	390.000 X	=	=	=	=
28000250	TEMP EROS CONTR SEED	POUND	700.000 X	=	=	=	=

* Revised 2-17-2017

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
28000305	TEMP DITCH CHECKS	FOOT	330.000 X	=			
28000400	PERIMETER EROS BAR	FOOT	1,429.000 X	=			
28000500	INLET & PIPE PROTECT	EACH	17.000 X	=			
28000510	INLET FILTERS	EACH	27.000 X	=			
28001000	AGGREGATE - EROS CONT	TON	6.700 X	=			
28100105	STONE RIPRAP CL A3	SQ YD	237.000 X	=			
28100107	STONE RIPRAP CL A4	SQ YD	1,180.000 X	=			
28200200	FILTER FABRIC	SQ YD	1,417.000 X	=			
31101000	SUB GRAN MAT B	TON	18,548.000 X	=			
35400400	PCC BASE CSE W 9	SQ YD	1,630.000 X	=			
40200700	AGG SURF CSE A 8	SQ YD	42.000 X	=			
40201000	AGGREGATE-TEMP ACCESS	TON	100.000 X	=			
40600275	BIT MATLS PR CT	POUND	52,548.000 X	=			
40600290	BIT MATLS TACK CT	POUND	34,579.000 X	=			
40600990	TEMPORARY RAMP	SQ YD	860.000 X	=			

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ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CENTS
40603235	P HMA BC IL19.0 N70	TON	3,353.000 X	=	=	=	=
40603540	P HMA SC "D" N70	TON	1,690.000 X	=	=	=	=
40701941	HMA PAVT FD 13	SQ YD	23,356.000 X	=	=	=	=
42300400	PCC DRIVEWAY PAVT 8	SQ YD	522.000 X	=	=	=	=
42400100	PC CONC SIDEWALK 4	SQ FT	68,657.000 X	=	=	=	=
42400800	DETECTABLE WARNINGS	SQ FT	357.000 X	=	=	=	=
44000100	PAVEMENT REM	SQ YD	1,014.000 X	=	=	=	=
44000157	HMA SURF REM 2	SQ YD	4,188.000 X	=	=	=	=
44000161	HMA SURF REM 3	SQ YD	9,679.000 X	=	=	=	=
44000200	DRIVE PAVEMENT REM	SQ YD	5,922.000 X	=	=	=	=
44000300	CURB REM	FOOT	264.000 X	=	=	=	=
44000500	COMB CURB GUTTER REM	FOOT	3,928.000 X	=	=	=	=
44000600	SIDEWALK REM	SQ FT	13,124.000 X	=	=	=	=
44201389	CL C PATCH T2 13	SQ YD	26.000 X	=	=	=	=
44201396	CL C PATCH T4 13	SQ YD	134.000 X	=	=	=	=

* Revised 2-17-2017

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ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
44201741	CL D PATCH T2 8	SQ YD	34.000 X				
44201747	CL D PATCH T4 8	SQ YD	228.000 X				
50100100	REM EXIST STRUCT	EACH	1.000 X				
50105220	PIPE CULVERT REMOV	FOOT	213.000 X				
50300225	CONC STRUCT	CU YD	7.500 X				
50800105	REINFORCEMENT BARS	POUND	390.000 X				
50901720	BICYCLE RAILING	FOOT	32.000 X				
542A0217	P CUL CL A 1 12	FOOT	53.000 X				
542C0229	P CUL CL C 1 24	FOOT	40.000 X				
542D0220	P CUL CL D 1 15	FOOT	49.000 X				
54213657	PRC FLAR END SEC 12	EACH	4.000 X				
54213663	PRC FLAR END SEC 18	EACH	5.000 X				
54213669	PRC FLAR END SEC 24	EACH	3.000 X				
54213675	PRC FLAR END SEC 30	EACH	2.000 X				
54213681	PRC FLAR END SEC 36	EACH	1.000 X				

*Revised 2-17-2017

ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
54213693	PRC FLAR END SEC 48	EACH	1.000 X	=		=	
54213870	STEEL END SEC 15	EACH	2.000 X	=		=	
54215565	MET END SEC 30	EACH	2.000 X	=		=	
54248510	CONCRETE COLLAR	CU YD	1.100 X	=		=	
550A0050	STORM SEW CL A 1 12	FOOT	1,073.000 X	=		=	
550A0070	STORM SEW CL A 1 15	FOOT	59.000 X	=		=	
550A0090	STORM SEW CL A 1 18	FOOT	186.000 X	=		=	
550A0120	STORM SEW CL A 1 24	FOOT	669.000 X	=		=	
550A0140	STORM SEW CL A 1 30	FOOT	130.000 X	=		=	
550A0160	STORM SEW CL A 1 36	FOOT	772.000 X	=		=	
550A0190	STORM SEW CL A 1 48	FOOT	555.000 X	=		=	
550A0340	STORM SEW CL A 2 12	FOOT	84.000 X	=		=	
550A0360	STORM SEW CL A 2 15	FOOT	98.000 X	=		=	
550A0380	STORM SEW CL A 2 18	FOOT	242.000 X	=		=	
550A0400	STORM SEW CL A 2 21	FOOT	258.000 X	=		=	

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				DOLLARS	CENTS	DOLLARS	CTS
550A0410	STORM SEW CL A 2 24	FOOT	135.000	X	=	=	=
550A0450	STORM SEW CL A 2 36	FOOT	751.000	X	=	=	=
550A0470	STORM SEW CL A 2 42	FOOT	63.000	X	=	=	=
550A0480	STORM SEW CL A 2 48	FOOT	975.000	X	=	=	=
55100300	STORM SEWER REM 8	FOOT	620.000	X	=	=	=
55100400	STORM SEWER REM 10	FOOT	93.000	X	=	=	=
55100500	STORM SEWER REM 12	FOOT	1,085.000	X	=	=	=
55100700	STORM SEWER REM 15	FOOT	106.000	X	=	=	=
55100900	STORM SEWER REM 18	FOOT	27.000	X	=	=	=
55101200	STORM SEWER REM 24	FOOT	1,060.000	X	=	=	=
55101400	STORM SEWER REM 30	FOOT	51.000	X	=	=	=
55101900	STORM SEWER REM 48	FOOT	136.000	X	=	=	=
59300100	CONTR LOW-STRENG MATL	CU YD	96.200	X	=	=	=
60100915	PIPE DRAINS 6	FOOT	53.000	X	=	=	=
60100925	PIPE DRAINS 8	FOOT	50.000	X	=	=	=

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ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
60218400	MAN TA 4 DIA T1F CL	EACH	12.000	X	=	=	=
60218500	MAN TA 4 DIA T3F&G	EACH	9.000	X	=	=	=
60221100	MAN TA 5 DIA T1F CL	EACH	9.000	X	=	=	=
60221200	MAN TA 5 DIA T3F&G	EACH	4.000	X	=	=	=
60221700	MAN TA 5 DIA T8G	EACH	3.000	X	=	=	=
60223800	MAN TA 6 DIA T1F CL	EACH	10.000	X	=	=	=
60223810	MAN TA 6 DIA T3F&G	EACH	3.000	X	=	=	=
60224005	MAN TA 6 DIA T8G	EACH	1.000	X	=	=	=
60224446	MAN TA 7 DIA T1F CL	EACH	3.000	X	=	=	=
60224459	MAN TA 8 DIA T1F CL	EACH	6.000	X	=	=	=
60224469	MAN TA 9 DIA T1F CL	EACH	2.000	X	=	=	=
60235700	INLETS TA T3F&G	EACH	35.000	X	=	=	=
60236200	INLETS TA T8G	EACH	2.000	X	=	=	=
60236800	INLETS TA T11F&G	EACH	2.000	X	=	=	=
60240215	INLETS TB T1F CL	EACH	2.000	X	=	=	=

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				DOLLARS	CENTS	DOLLARS	CTS
60240220	INLETS TB T3F&G	EACH	17.000 X	=	=	=	=
60240310	INLETS TB T11F&G	EACH	2.000 X	=	=	=	=
60255500	MAN ADJUST	EACH	10.000 X	=	=	=	=
60260400	INLETS ADJ NEW T1F CL	EACH	2.000 X	=	=	=	=
60266600	VALVE BOX ADJ	EACH	27.000 X	=	=	=	=
60500040	REMOV MANHOLES	EACH	11.000 X	=	=	=	=
60500060	REMOV INLETS	EACH	30.000 X	=	=	=	=
60604400	COMB CC&G TB6.18	FOOT	6,071.000 X	=	=	=	=
60605000	COMB CC&G TB6.24	FOOT	2,405.000 X	=	=	=	=
60608600	COMB CC&G TM6.06	FOOT	54.000 X	=	=	=	=
60610400	COMB CC&G TM6.24	FOOT	52.000 X	=	=	=	=
60610900	COMB CC&G TM6.24 VWGF	FOOT	91.000 X	=	=	=	=
60618300	CONC MEDIAN SURF 4	SQ FT	158.000 X	=	=	=	=
61100500	EXPLOR TRENCH 52	FOOT	2,031.000 X	=	=	=	=
61100605	MISC CONCRETE	CU YD	4.000 X	=	=	=	=

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				DOLLARS	CENTS	DOLLARS	CTS
61101007	STORM SEW PROT A 6	FOOT	50.000 X	=			
61101009	STORM SEW PROT A 8	FOOT	50.000 X	=			
61139900	STORM SEWER SPEC 6	FOOT	50.000 X	=			
61140000	STORM SEWER SPEC 8	FOOT	50.000 X	=			
64100115	SIGHT SCRNS (WF) TP 6	FOOT	1,645.000 X	=			
66900200	NON SPL WASTE DISPOS	CU YD	11,743.000 X	=			
66900450	SPL WASTE PLNS/REPORT	L SUM	1.000 X	=			
66900530	SOIL DISPOSAL ANALY	EACH	7.000 X	=			
66901000	BACKFILL PLUGS	CU YD	15.000 X	=			
67000400	ENGR FIELD OFFICE A	CAL MO	24.000 X	=			
67100100	MOBILIZATION	L SUM	1.000 X	=			
67201100	SEAL ABAN MONIT WELLS	EACH	7.000 X	=			
70300210	TEMP PVT MK LTR & SYM	SQ FT	1,174.000 X	=			
70300220	TEMP PVT MK LINE 4	FOOT	2,748.000 X	=			
70300230	TEMP PVT MK LINE 5	FOOT	12,454.000 X	=			

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ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
70300240	TEMP PVT MK LINE 6	FOOT	5,861.000 X	=	=	=	=
70300250	TEMP PVT MK LINE 8	FOOT	255.000 X	=	=	=	=
70300260	TEMP PVT MK LINE 12	FOOT	865.000 X	=	=	=	=
70300280	TEMP PVT MK LINE 24	FOOT	333.000 X	=	=	=	=
70400100	TEMP CONC BARRIER	FOOT	204.000 X	=	=	=	=
70400200	REL TEMP CONC BARRIER	FOOT	204.000 X	=	=	=	=
72000100	SIGN PANEL T1	SQ FT	277.000 X	=	=	=	=
72000200	SIGN PANEL T2	SQ FT	20.000 X	=	=	=	=
72400100	REMOV SIN PAN ASSY TA	EACH	3.000 X	=	=	=	=
72400310	REMOV SIGN PANEL T1	SQ FT	42.000 X	=	=	=	=
72400710	RELOC SIGN PANEL T1	SQ FT	169.000 X	=	=	=	=
72800100	TELES STL SIN SUPPORT	FOOT	691.000 X	=	=	=	=
73100100	BASE TEL STL SIN SUPP	EACH	12.000 X	=	=	=	=
73700100	REM GR MT SIN SUPPORT	EACH	10.000 X	=	=	=	=
78000100	THPL PVT MK LTR & SYM	SQ FT	1,174.000 X	=	=	=	=

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ITEM NUMBER	PAY ITEM DESCRIPTION	UNIT OF MEASURE	QUANTITY	UNIT PRICE		TOTAL PRICE	
				DOLLARS	CENTS	DOLLARS	CTS
78000200	THPL PVT MK LINE 4	FOOT	2,748.000	X	=	=	=
78000300	THPL PVT MK LINE 5	FOOT	12,454.000	X	=	=	=
78000400	THPL PVT MK LINE 6	FOOT	5,861.000	X	=	=	=
78000500	THPL PVT MK LINE 8	FOOT	255.000	X	=	=	=
78000600	THPL PVT MK LINE 12	FOOT	865.000	X	=	=	=
78000650	THPL PVT MK LINE 24	FOOT	333.000	X	=	=	=
78100100	RAISED REFL PAVT MKR	EACH	40.000	X	=	=	=
78200020	CURB REFLECTORS	EACH	100.000	X	=	=	=
80500100	SERV INSTALL TY A	EACH	1.000	X	=	=	=
81028350	UNDRGRD C PVC 2	FOOT	3,906.000	X	=	=	=
81028360	UNDRGRD C PVC 2 1/2	FOOT	29.000	X	=	=	=
81028370	UNDRGRD C PVC 3	FOOT	507.000	X	=	=	=
81028390	UNDRGRD C PVC 4	FOOT	22.000	X	=	=	=
81028400	UNDRGRD C PVC 5	FOOT	155.000	X	=	=	=
81400100	HANDHOLE	EACH	20.000	X	=	=	=

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				DOLLARS	CENTS	DOLLARS	CTS
81400300	DBL HANDHOLE	EACH	1.000 X	=	-	=	-
81702450	EC C XLP USE 3-1C 10	FOOT	1,072.000 X	=	-	=	-
82102400	LUM SV HOR MT 400W *	EACH	4.000 X	=	-	=	-
85700200	FAC T4 CAB	EACH	1.000 X	=	-	=	-
86200200	UNINTER POWER SUP STD	EACH	1.000 X	=	-	=	-
86400100	TRANSCEIVER - FIB OPT	EACH	1.000 X	=	-	=	-
87100020	FOCC62.5/125 MM12SM12	FOOT	15,515.000 X	=	-	=	-
87301215	ELCBL C SIGNAL 14 2C	FOOT	428.000 X	=	-	=	-
87301225	ELCBL C SIGNAL 14 3C	FOOT	755.000 X	=	-	=	-
87301245	ELCBL C SIGNAL 14 5C	FOOT	5,276.000 X	=	-	=	-
87301255	ELCBL C SIGNAL 14 7C	FOOT	896.000 X	=	-	=	-
87301265	ELCBL C SIGNAL 14 9C	FOOT	993.000 X	=	-	=	-
87301275	ELCBL C SIGNAL 14 12C	FOOT	981.000 X	=	-	=	-
87301705	ELCBL C COMM 18 3PR	FOOT	1,072.000 X	=	-	=	-
87301805	ELCBL C SERV 6 2C	FOOT	27.000 X	=	-	=	-

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				DOLLARS	CENTS	DOLLARS	CTS
87301900	ELCBL C EGRDC 6 1C	FOOT	780.000	X	=		
87502700	TS POST A 16	EACH	4.000	X	=		
87600100	PED PUSH-BUT POST T1	EACH	1.000	X	=		
87703020	STL COMB MAA&P 58	EACH	1.000	X	=		
87703120	STL COMB MAA&P 75	EACH	3.000	X	=		
87800100	CONC FDN TY A	FOOT	12.000	X	=		
87800200	CONC FDN TY D	FOOT	3.500	X	=		
87800420	CONC FDN TY E 42D	FOOT	120.000	X	=		
87900200	DRILL EX HANDHOLE	EACH	2.000	X	=		
88040090	SH P LED 1F 3S MAM	EACH	16.000	X	=		
88040150	SH P LED 1F 5S BM	EACH	4.000	X	=		
88040260	SH P LED 2F 1-3 1-5BM	EACH	1.000	X	=		
88040310	SH P LED 3F 1-3 2-5BM	EACH	3.000	X	=		
88102825	PED SH P LED 1F BM CT	EACH	2.000	X	=		
88102845	PED SH P LED 2F BM CT	EACH	3.000	X	=		

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				DOLLARS	CENTS	DOLLARS	CTS
88200100	TS BACKPLATE	EACH	16.000 X	=			
88800100	PED PUSH-BUTTON	EACH	8.000 X	=			
89000100	TEMP TR SIG INSTALL	EACH	1.000 X	=			
89502375	REMOV EX TS EQUIP	EACH	1.000 X	=			
89502380	REMOV EX HANDHOLE	EACH	16.000 X	=			
89502382	REMOV EX DBL HANDHOLE	EACH	1.000 X	=			
89502385	REMOV EX CONC FDN	EACH	7.000 X	=			

TOTAL \$

* Revised 2-17-2017

- NOTE:
1. EACH PAY ITEM SHOULD HAVE A UNIT PRICE AND A TOTAL PRICE.
 2. THE UNIT PRICE SHALL GOVERN IF NO TOTAL PRICE IS SHOWN OR IF THERE IS A DISCREPANCY BETWEEN THE PRODUCT OF THE UNIT PRICE MULTIPLIED BY THE QUANTITY.
 3. IF A UNIT PRICE IS OMITTED, THE TOTAL PRICE WILL BE DIVIDED BY THE QUANTITY IN ORDER TO ESTABLISH A UNIT PRICE.
 4. A BID MAY BE DECLARED UNACCEPTABLE IF NEITHER A UNIT PRICE NOR A TOTAL PRICE IS SHOWN.

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COMBINATION LIGHTING CONTROLLER

This work shall consist of furnishing and installing a photocell with integral surge arrester, 3-position selector switch (H-O-A), terminal/splice blocks, and 30 Amp lighting contactor (120V) in the traffic signal cabinet to control the operation of the combination lighting units.

A 120 Volt 20 Amp circuit breaker shall be installed inside the traffic signal controller connected to the main breaker, to serve the roadway lighting, per section 1068.01(e)(3) of the Standard Specifications. The circuit breaker shall be clearly labeled for lighting according to Article 1068.01(f) of the Standard Specifications.

Install all lighting components independent of the traffic signal components on one side of the cabinet and label as "LIGHTING". The under eave photocell shall be mounted on the traffic signal controller cabinet, per section 1068.01(e)(2) of the Standard Specifications. Furnish and install all wiring between components to make a fully functional lighting control system for the combination lights.

This work shall be paid for at the contract unit price per each for COMBINATION LIGHTING CONTROLLER, which shall be payment in full for all labor, materials, and equipment required to complete the installation.

TEMPORARY LIGHTING SYSTEM

This work shall consist of providing a temporary lighting system in conjunction with the temporary traffic signals at the intersection of Stevenson Drive and Eleventh Street. The Contractor shall provide all labor, material, and equipment necessary to furnish, install, maintain, and remove the temporary lighting system. This work shall also include the removal or relocation of temporary lighting facilities as necessary to accommodate the various stages of construction and removal of all temporary lighting facilities at the completion of the project. All work shall be performed in accordance with the plans, Standard Specifications, and as directed herein.

The Contractor shall submit for approval, any modifications to the lighting design plan showing the proposed locations of all temporary poles for each stage of construction associated with the project. Any modifications by the Contractor to the lighting design shall meet the requirements of Department's BDE Design Manual Chapter 56 and no poles shall be installed until the Contractor's revised detailed lighting design plan is approved by the Engineer.

The Contractor shall not purchase temporary lighting facilities until the Contractor has submitted shop drawings and received the Engineer's approval to proceed. All temporary lighting facilities shall become property of the Contractor and shall be removed from the site at no additional cost. Any temporary lighting materials used by the Contractor which come from stock rather than being purchased new for this project shall require written approval by the Engineer.

The Contractor shall be responsible to maintain the temporary lighting system throughout the project and no additional compensation will be allowed for this work, no matter how many times temporary and/or permanent lighting facilities are relocated. The Contractor shall furnish to the

Engineer the names and phone numbers of two persons responsible for call-out work on the lighting system on a 24/7 basis.

The lights shall be 400 Watt, 240 Volt, turnpike multi-mount luminaires. The Contractor may select between two placement options:

Option 1: Place one light on top of each temporary signal pole at the four corners of the intersection.

Option 2: Place two lights at each of two opposite corners, with each pair of lights mounted on twin bullhorn brackets, so that the lights can be pointed as need to best light the intersection.

Underground portions of temporary lighting circuits shall be installed with unit duct according to Section 816. Direct bury cable shall be installed by trenching according to Section 810 and plowing will not be allowed. The splices shall meet the applicable portions of Article 1066.06 of the Standard Specifications. Splices shall be rated for and designed to connect aluminum conductors to copper (or aluminum as applicable) conductors of the size range required. The cable extended to equipment shall be of a length sufficient for cable splices to be withdrawn a minimum of 18 in. out of above ground boxes. The installation shall be inspected by the Engineer before it is backfilled.

Cable splicing, luminaire fusing, and lighting protection shall be submitted for approval. All work required to keep the temporary and/or permanent lighting systems operational shall be at the Contractor's expense. No lighting circuit or portion thereof shall be removed from nighttime operation without the approval of the Engineer.

An inspection and approval by the Engineer shall take place before the temporary lighting system is approved for operation. Any damage to the existing lighting units and their circuitry as a result of the Contractor's negligence shall be repaired or replaced to the satisfaction of the Engineer at no cost to the contract. All burnouts shall be replaced on a next day basis and temporary wiring shall be installed as necessary to keep all lights functioning every night.

The Contractor shall not be responsible for any utility charges for establishing a point of service from the power company at the location(s) shown on the plans. The Contractor shall be responsible for all costs associated with removal of the temporary electric service when the project is complete. The Contractor shall pay the energy costs until such time as the project is final inspected and accepted by IDOT. The Contractor shall be reimbursed for repair of accident damage according to Articles 105.13 and 107.30 of the Standard Specifications.

This work shall be paid for at the contract lump sum price for TEMPORARY LIGHTING SYSTEM.

ILLINOIS DEPARTMENT OF TRANSPORTATION
LUMINAIRE PERFORMANCE TABLE
STEVENSON DRIVE AND 11TH STREET INTERSECTION

GIVEN CONDITIONS

ROADWAY DATA:	<u>STEVENSON DRIVE/11th STREET</u>	
	Functional Classification	<u>Major Arterial</u>
	Pedestrian Area Classification	<u>Medium</u>
	Pavement Width	<u>12 FT Lanes</u>
	Number of Lanes	<u>7 Approach</u>
	Median Width	<u>6 FT</u>
	IES Surface Classification	<u>R3</u>
	Q-Zero Value	<u>.07</u>
LIGHT POLE DATA:	Mounting Height	<u>45 FT</u>
	Mast Arm Length	<u>15 FT</u>
	Pole Set-Back from Edge of Pavement	<u>7' Min on Radius</u>
LUMINAIRE DATA:	Lamp Type	<u>HPS</u>
	Lamp Lumens	<u>50000</u>
	IES Vertical Distribution	<u>M</u>
	IES Control of Distribution	<u>Cutoff</u>
	IES Lateral Distribution	<u>3</u>
	Total Light Loss Factor	<u>0.684</u>
LAYOUT DATA:	Spacing	<u>Each Corner</u>
	Configuration	<u>Signal Mast Arm</u>
	Luminaire Overhang Over Edge of Pavement Lane	<u>Varies</u>

NOTE: Variations from the above specified IES distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.

PERFORMANCE REQUIREMENTS

NOTE: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

ILLUMINATION:	Average Horizontal Illumination, (E_{Ave})	<u>26.0Lux/2.6FC</u>
	Uniformity Ration, (E_{Ave}/E_{Min})	<u>3.0</u>