



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

April 18, 2006

SUBJECT: FAI Route 80
Project MA-080-4(186)122
Section (32, 47-4)K
Kendall & Grundy County
Contract No. 66294
Item No. 135, 4/28/2006 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. Revised pages 1-19 of the Schedule of Prices
2. Added page iv to the index to the Special Provisions.
3. Added pages 166 to 171 to the Special Provisions.
4. Revised sheets 8 - 11, 130 - 142, 145, 147 - 153 of the Plans.
5. Added sheets 152A and 153A 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,

Michael L. Hine
Engineer of Design
and Environment

A handwritten signature in cursive script, reading "Ted B. Walschleger" followed by "P.E." in a smaller font.

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

cc: Greg Mounts, Region 2, District 3, Roger Driskell
Estimates; Design & Environment File

RS/sar

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 66294

State Job # - C-93-124-02
 PPS NBR - 3-39030-0100
 County Name - GRUNDY- KENDALL-
 Code - 63 - 93 -
 District - 3 - 3 -
 Section Number - (32,47-4)K

Project Number
 MA-0804/186/122

Route
 FAI 80

* COMPLETE NEW SCHEDULE

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
XX001854	STAB SUB-BASE 6	SQ YD	12,651.000				
XX003503	FLARED END SEC REM	EACH	3.000				
XX004201	PAVT REINFORCEMENT 14	SQ YD	9,384.000				
XX005430	MAIN EX HWY LIGHTING	L SUM	1.000				
XX220000	REM EX LIGHT SYSTEM	EACH	1.000				
X0300057	MAN TA 6D T1FCL R-PLT	EACH	1.000				
X0300739	UNINTERRUPT POWER SUP	EACH	2.000				
X0301835	MAN TA 7D T1FCL R-PLT	EACH	1.000				
X0322256	TEMP INFO SIGNING	SQ FT	288.300				
X0322925	ELCBL C TRACER 14 1C	FOOT	1,958.000				
X0324844	TEMP LIGHTING UNIT	EACH	20.000				
X0325096	OPTIM TRAF SIGNAL SYS	L SUM	1.000				
X0325236	BIKE RAIL REM & REPL	FOOT	31.000				
X0325237	TRANS TERM JT COMP 12	EACH	2.000				
X0325238	TEMP PAVT 9.5	SQYD	2,695.000				

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X0325239	TEMP PAVT 10	SQYD	1,653.000				
X0325240	TEMP PAVT 10.5	SQYD	10,472.000				
X0325241	TEMP PAVT 11	SQYD	1,345.000				
X0325242	CON T 2 1/2 PVC (S80)	FOOT	558.000				
X0325243	CON P 3 PVC (S80)	FOOT	352.000				
X0325244	CON P 4 PVC (S80)	FOOT	408.000				
X0325248	MOD EX OH SN BR MTD	EACH	1.000				
X0325249	PCBC 7.5 X 2	FOOT	72.000				
X0919000	TEMP PAVT REMOVAL	SQ YD	16,164.000				
X0933900	PVC CON T 3 (S80)	FOOT	56.000				
X0934000	PVC CON T 4 (S80)	FOOT	20.000				
X4066428	BC SC SUPER "D" N90	TON	60.000				
X4834090	PCC SHOULDERS 14	SQ YD	2,862.000				
X6013600	PIPE UNDERDRAIN 4 MOD	FOOT	9,491.000				
X7015000	CHANGEABLE MESSAGE SN	CAL MO	28.000				

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X7330110	OSS WALKWAY CANT TA	FOOT	54.000				
X7330310	OH S STR-SPN DUAL MON	FOOT	186.000				
X8050015	SERV INSTALL POLE MT	EACH	2.000				
X8710020	FOCC62.5/125 MM12SM12	FOOT	1,982.000				
X8730027	ELCBL C GROUND 6 1C	FOOT	1,353.000				
X8730250	ELCBL C 20 3C TW SH	FOOT	585.000				
X8801300	SH P LED 1F 3S BM	EACH	15.000				
X8801310	SH P LED 1F 3S MAM	EACH	4.000				
X8801345	SH P LED 1F 4S BM	EACH	1.000				
X8801395	SH P LED 1F 5S BM	EACH	7.000				
X8801400	SH P LED 1F 5S MAM	EACH	1.000				
X8810610	PED SH LED 1F BM	EACH	4.000				
X8950600	REM RELOC EX LT STD	EACH	6.000				
Z0001050	AGG SUBGRADE 12	SQ YD	46,756.000				
Z0002600	BAR SPLICERS	EACH	305.000				

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Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000				
Z0013825	CONTR LOW-STRENG MATL	CU YD	61.000				
Z0028700	GRAN SUBGRADE REPL	CU YD	1,205.000				
Z0030255	IMP ATTN TEMP FRN TL2	EACH	1.000				
20100110	TREE REMOV 6-15	UNIT	474.000				
20100210	TREE REMOV OVER 15	UNIT	391.000				
20101000	TEMPORARY FENCE	FOOT	1,215.000				
20101700	SUPPLE WATERING	UNIT	539.500				
20200100	EARTH EXCAVATION	CU YD	84,795.000				
20400800	FURNISHED EXCAV	CU YD	1,615.000				
20700220	POROUS GRAN EMBANK	CU YD	39.000				
20800150	TRENCH BACKFILL	CU YD	872.000				
20900110	POROUS GRAN BACKFILL	CU YD	4,799.000				
21001000	GEOTECH FAB F/GR STAB	SQ YD	46,648.000				
21101505	TOPSOIL EXC & PLAC	CU YD	11,220.000				

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21301052	EXPLOR TRENCH 52	FOOT	1,000.000				
25000210	SEEDING CL 2A	ACRE	21.250				
25000400	NITROGEN FERT NUTR	POUND	1,913.000				
25000500	PHOSPHORUS FERT NUTR	POUND	1,913.000				
25000600	POTASSIUM FERT NUTR	POUND	1,913.000				
25100115	MULCH METHOD 2	ACRE	17.250				
25100630	EROSION CONTR BLANKET	SQ YD	20,960.000				
25200110	SODDING SALT TOLERANT	SQ YD	6,576.000				
28000250	TEMP EROS CONTR SEED	POUND	2,230.000				
28000300	TEMP DITCH CHECKS	EACH	135.000				
28000400	PERIMETER EROS BAR	FOOT	5,985.000				
28000500	INLET & PIPE PROTECT	EACH	40.000				
28101400	RIPRAP	SQ YD	81.000				
28102500	STONE RIPRAP DITCH	SQ YD	309.000				
28200200	FILTER FABRIC	SQ YD	390.000				

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31200100	STAB SUB-BASE 4	SQ YD	29,199.000				
35102000	AGG BASE CSE B 8	SQ YD	28.000				
40200900	AGG SURF CSE B	CU YD	637.000				
40600100	BIT MATLS PR CT	GALLON	363.000				
40600400	MIX CR JTS FLANGWYS	TON	10.000				
42000501	PCC PVT 10 JOINTED	SQ YD	26,184.000				
42001300	PROTECTIVE COAT	SQ YD	39,759.000				
42100380	CONT REINF PCC PVT 14	SQ YD	9,384.000				
42300400	PCC DRIVEWAY PAVT 8	SQ YD	1,337.000				
42400100	PC CONC SIDEWALK 4	SQ FT	7,205.000				
44000006	BIT SURF REM 1 1/2	SQ YD	701.000				
44000100	PAVEMENT REM	SQ YD	26,894.000				
44000200	DRIVE PAVEMENT REM	SQ YD	1,235.000				
44000500	COMB CURB GUTTER REM	FOOT	2,577.000				
44000600	SIDEWALK REM	SQ FT	289.000				

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44000920	BIT CONC SHLD REM	SQ YD	6,517.000				
44004000	PAVED DITCH REMOVAL	FOOT	681.000				
44213200	SAW CUTS	FOOT	5,189.000				
48100300	AGGREGATE SHLDS A 4	SQ YD	516.000				
48101500	AGGREGATE SHLDS B 6	SQ YD	2,123.000				
48300500	PCC SHOULDERS 10	SQ YD	4,439.000				
50102400	CONC REM	CU YD	14.100				
50104400	CONC HDWL REM	EACH	10.000				
50104650	SLOPE WALL REMOV	SQ YD	204.000				
50105200	REM EXIST CULVERTS	EACH	1.000				
50105210	REM EXIST CULVERTS	FOOT	206.000				
50200100	STRUCTURE EXCAVATION	CU YD	2,875.000				
50300225	CONC STRUCT	CU YD	49.500				
50800105	REINFORCEMENT BARS	POUND	135,430.000				
51205200	TEMP SHT PILING	SQ FT	4,760.000				

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54001003	BOX CUL END SEC C3	EACH	1.000				
54001004	BOX CUL END SEC C4	EACH	2.000				
54002080	EXPAN BOLTS 3/4 X 18	EACH	16.000				
54003000	CONC BOX CUL	CU YD	547.800				
54010805	PCBC 8X5	FOOT	96.000				
5421A012	P CUL CL A 1 12 TEMP	FOOT	97.000				
5421A024	P CUL CL A 1 24 TEMP	FOOT	65.000				
5421A036	P CUL CL A 1 36 TEMP	FOOT	38.000				
54213657	PRC FLAR END SEC 12	EACH	1.000				
54213663	PRC FLAR END SEC 18	EACH	1.000				
54213669	PRC FLAR END SEC 24	EACH	1.000				
54213681	PRC FLAR END SEC 36	EACH	2.000				
550A0050	STORM SEW CL A 1 12	FOOT	299.000				
550A0340	STORM SEW CL A 2 12	FOOT	1,328.000				
550A0360	STORM SEW CL A 2 15	FOOT	176.000				

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550A0380	STORM SEW CL A 2 18	FOOT	304.000				
550A0410	STORM SEW CL A 2 24	FOOT	285.000				
550A0430	STORM SEW CL A 2 30	FOOT	50.000				
550A0450	STORM SEW CL A 2 36	FOOT	428.000				
550A0470	STORM SEW CL A 2 42	FOOT	765.000				
550A0500	STORM SEW CL A 2 60	FOOT	474.000				
550A0800	STORM SEW CL A 3 60	FOOT	688.000				
55100500	STORM SEWER REM 12	FOOT	47.000				
55101200	STORM SEWER REM 24	FOOT	265.000				
55101600	STORM SEWER REM 36	FOOT	2,386.000				
56400100	FIRE HYDNITS TO BE MVD	EACH	3.000				
60100060	CONC HDWL FOR P DRAIN	EACH	19.000				
60100925	PIPE DRAINS 8	FOOT	100.000				
60100935	PIPE DRAINS 10	FOOT	100.000				
60100945	PIPE DRAINS 12	FOOT	100.000				

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60108100	PIPE UNDERDRAIN 4 SP	FOOT	705.000				
60200805	CB TA 4 DIA T8G	EACH	5.000				
60201330	CB TA 4 DIA T23F&G	EACH	21.000				
60207605	CB TC T8G	EACH	1.000				
60218400	MAN TA 4 DIA T1F CL	EACH	4.000				
60221000	MAN TA 5 DIA T1F OL	EACH	1.000				
60223700	MAN TA 6 DIA T1F OL	EACH	1.000				
60223800	MAN TA 6 DIA T1F CL	EACH	5.000				
60224445	MAN TA 7 DIA T1F OL	EACH	4.000				
60250200	CB ADJUST	EACH	1.000				
60255500	MAN ADJUST	EACH	3.000				
60500040	REMOV MANHOLES	EACH	9.000				
60500060	REMOV INLETS	EACH	7.000				
60600095	CLASS SI CONC OUTLET	CU YD	6.600				
60602800	CONC GUTTER TB	FOOT	39.000				

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60603800	COMB CC&G TB6.12	FOOT	74.000				
60605000	COMB CC&G TB6.24	FOOT	6,014.000				
60611600	COMB CC&G SPL	FOOT	97.000				
60618320	CONC MEDIAN SURF 6	SQ FT	5,092.000				
60620300	CONC MED TSB6.24 SPL	SQ FT	2,564.000				
60624600	CORRUGATED MED	SQ FT	1,849.000				
60625800	ISLAND PAVEMENT SPL	SQ YD	174.000				
61100605	MISC CONCRETE	CU YD	2.000				
61101009	STORM SEW PROT A 8	FOOT	500.000				
61101011	STORM SEW PROT A 10	FOOT	500.000				
61101013	STORM SEW PROT A 12	FOOT	500.000				
61133100	FLD TILE JUN VAULT 2D	EACH	16.000				
61140000	STORM SEWER SPEC 8	FOOT	1,000.000				
61140100	STORM SEWER SPEC 10	FOOT	1,000.000				
61140200	STORM SEWER SPEC 12	FOOT	1,000.000				

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63000000	SPBGR TY A	FOOT	1,212.500				
63000025	SPBGR ATTACH TO STR	FOOT	12.500				
63100045	TRAF BAR TERM T2	EACH	4.000				
63100169	TR BAR TRM T1 SPL FLR	EACH	5.000				
63200310	GUARDRAIL REMOV	FOOT	2,083.000				
63500105	DELINEATORS	EACH	136.000				
66500105	WOV W FENCE 4	FOOT	3,923.000				
66502300	WOV W FENCE REMOV	FOOT	4,162.000				
66600105	FUR ERECT ROW MARKERS	EACH	28.000				
66900200	NON SPL WASTE DISPOSL	CU YD	242.000				
66900450	SPL WASTE PLNS/REPORT	L SUM	1.000				
66900530	SOIL DISPOSAL ANALY	EACH	2.000				
67000400	ENGR FIELD OFFICE A	CAL MO	14.000				
67100100	MOBILIZATION	L SUM	1.000				
70101800	TRAF CONT & PROT SPL	L SUM	1.000				

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70103815	TR CONT SURVEILLANCE	CAL DA	214.000				
70300210	TEMP PVT MK LTR & SYM	SQ FT	94.000				
70300220	TEMP PVT MK LINE 4	FOOT	16,046.000				
70300240	TEMP PVT MK LINE 6	FOOT	360.000				
70300260	TEMP PVT MK LINE 12	FOOT	467.000				
70300280	TEMP PVT MK LINE 24	FOOT	267.000				
70300510	PAVT MARK TAPE T3 L&S	SQ FT	858.000				
70300520	PAVT MARK TAPE T3 4	FOOT	55,774.000				
70300540	PAVT MARK TAPE T3 6	FOOT	7,124.000				
70300550	PAVT MARK TAPE T3 8	FOOT	11,322.000				
70300560	PAVT MARK TAPE T3 12	FOOT	3,324.000				
70300570	PAVT MARK TAPE T3 24	FOOT	731.000				
70301000	WORK ZONE PAVT MK REM	SQ FT	35,339.000				
70400100	TEMP CONC BARRIER	FOOT	325.000				
70500100	TEMP SPBGR TY A	FOOT	462.500				

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70500615	TEMP TR BAR TERM T1	EACH	2.000				
70500625	TEMP TR BAR TERM T2	EACH	2.000				
72000100	SIGN PANEL T1	SQ FT	23.000				
72000200	SIGN PANEL T2	SQ FT	20.000				
72000300	SIGN PANEL T3	SQ FT	807.500				
72400200	REMOV SIN PAN ASSY TB	EACH	2.000				
72400330	REMOV SIGN PANEL T3	SQ FT	85.000				
72400600	RELOC SIN PAN ASSY TB	EACH	2.000				
73000100	WOOD SIN SUPPORT	FOOT	52.000				
73200100	CONC FDN-WOOD SN SUPP	EACH	4.000				
73302170	OSS CANT 2CA 3-0X5-6	FOOT	60.000				
73400200	DRILL SHAFT CONC FDN	CU YD	28.100				
78008300	POLYUREA PM T2 LTR-SY	SQ FT	546.000				
78008310	POLYUREA PM T2 LN 4	FOOT	15,598.000				
78008330	POLYUREA PM T2 LN 6	FOOT	2,629.000				

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78008340	POLYUREA PM T2 LN 8	FOOT	11,322.000				
78008350	POLYUREA PM T2 LN 12	FOOT	2,965.000				
78008370	POLYUREA PM T2 LN 24	FOOT	336.000				
78100100	RAISED REFL PAVT MKR	EACH	100.000				
78200410	GUARDRAIL MKR TYPE A	EACH	26.000				
78201000	TERMINAL MARKER - DA	EACH	5.000				
78300100	PAVT MARKING REMOVAL	SQ FT	1,170.000				
80400100	ELECT SERV INSTALL	EACH	1.000				
81012400	CON T 1 1/4 PVC	FOOT	293.000				
81012600	CON T 2 PVC	FOOT	1,777.000				
81012700	CON T 2 1/2 PVC	FOOT	315.000				
81020500	CON P 2 IM	FOOT	330.000				
81020700	CON P 3 IM	FOOT	205.000				
81100600	CON AT ST 2 GALVS	FOOT	120.000				
81200230	CON EMB STR 2 PVC	FOOT	40.000				

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81300530	JUN BX SS AS 12X10X6	EACH	2.000				
81400400	CONC HANDHOLE	EACH	20.000				
81400500	CONC HD HANDHOLE	EACH	1.000				
81400600	CONC DBL HANDHOLE	EACH	2.000				
81500200	TR & BKFIL F ELECT WK	FOOT	16,390.000				
81600315	UD 2#6XLP 1#6XLPG 1P	FOOT	6,150.000				
81600415	UD 2#4XLP 1#4XLPG 1P	FOOT	5,050.000				
81600515	UD2#2XLP#2XLPG 1 1/4P	FOOT	3,200.000				
81702130	EC C XLP USE 1C 6	FOOT	300.000				
81800820	A CBL 4-1C4 AL MESS W	FOOT	9,350.000				
82105600	LUM SV HM HOR MT 400W	EACH	90.000				
82107300	UNDERPAS LUM 150W HPS	EACH	4.000				
82109200	SIGN LIGHT LUM 150HPS	EACH	14.000				
82500560	LT CONT CBRCS 200-480	EACH	1.000				
83502400	LT TOWER 100MH LM 6	EACH	15.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 66294

State Job # - C-93-124-02
 PPS NBR - 3-39030-0100
 County Name - GRUNDY- KENDALL-
 Code - 63 - 93 -
 District - 3 - 3 -
 Section Number - (32,47-4)K

Project Number
 MA-0804/186/122

Route
 FAI 80

* COMPLETE NEW SCHEDULE

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
83700300	LT TOWER FDN 48D	FOOT	300.000				
84100110	REM TEMP LIGHT UNITS	EACH	46.000				
84400125	RELOC EX TEMP LT UNIT	EACH	44.000				
84500110	REMOV LIGHTING CONTR	EACH	1.000				
84500130	REMOV LTG CONTR FDN	EACH	1.000				
85700205	FAC T4 CAB SPL	EACH	2.000				
86000100	MASTER CONTROLLER	EACH	1.000				
86400100	TRANSCEIVER - FIB OPT	EACH	2.000				
87301215	ELCBL C SIGNAL 14 2C	FOOT	891.000				
87301225	ELCBL C SIGNAL 14 3C	FOOT	1,510.000				
87301245	ELCBL C SIGNAL 14 5C	FOOT	3,745.000				
87301255	ELCBL C SIGNAL 14 7C	FOOT	1,520.000				
87301305	ELCBL C LEAD 14 1PR	FOOT	5,591.000				
87301805	ELCBL C SERV 6 2C	FOOT	76.000				
87502440	TS POST GALVS 10	EACH	1.000				

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Project Number
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Route
 FAI 80

* COMPLETE NEW SCHEDULE

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
87502500	TS POST GALVS 16	EACH	11.000				
87502520	TS POST GALVS 18	EACH	2.000				
87702980	STL COMB MAA&P 50	EACH	1.000				
87703000	STL COMB MAA&P 55	EACH	1.000				
87800100	CONC FDN TY A	FOOT	56.000				
87800200	CONC FDN TY D	FOOT	8.000				
87800415	CONC FDN TY E 36D	FOOT	28.000				
88200410	TS BACKPLATE L F PLAS	EACH	28.000				
88500100	INDUCTIVE LOOP DETECT	EACH	20.000				
88600100	DET LOOP T1	FOOT	2,778.000				
88700200	LIGHT DETECTOR	EACH	4.000				
88700300	LIGHT DETECTOR AMP	EACH	2.000				
88800100	PED PUSH-BUTTON	EACH	4.000				
89000100	TEMP TR SIG INSTALL	EACH	3.000				
89502375	REMOV EX TS EQUIP	EACH	1.000				

INTERCHANGE LIGHTING OVERVIEW 166
TEMPORARY LIGHTING UNIT..... 166
RELOCATE EXISTING TEMPORARY LIGHTING UNIT 167
REMOVE AND RELOCATE EXISTING LIGHT STANDARD..... 167
REMOVE EXISTING LIGHTING SYSTEM..... 168
REMOVAL OF TEMPORARY LIGHTING UNITS 168
FURNISH AND INSTALL HIGH MAST LIGHT TOWER 168
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR LIGHT TOWER OF
THE MOUNTING HEIGHT, LUMINAIRE COUNT AND FINISH SPECIFIED..... 170
LIGHT TOWER FINISH..... 170

Added 4/18/06

INTERCHANGE LIGHTING OVERVIEW

The contractor is advised Interchange lighting and temporary interchange lighting is included in this contract. Interchange lighting shall be operational every night through all stages of construction to final inspection. Work shall be in accordance with section 800 ELECTRICAL.

The interchange lighting, both existing and proposed, including proposed underpass and sign lighting, shall be maintained by the contractor for the life of the contract as described elsewhere herein. All energy costs shall be the responsibility of the contractor for the duration of the contract.

PRESTAGE LIGHTING, as shown in the plans, consists of using the existing interchange lighting (metal poles) plus the existing temporary lighting (wood poles left in place from a previous contract).

STAGE 1 LIGHTING, as shown in the plans, consists of relocating some existing wood poles out of the way of construction and providing for additional temporary lighting units to illuminate temporary ramps A and B. Existing metal poles that conflict shall be removed. Salvaged materials may be used to provide temporary lighting as approved by the engineer. A new controller will be installed.

STAGE 1A LIGHTING, as shown in the plans, consists of relocating temporary lights to the proposed ramps A and B.

STAGE 1B, 2, 2A, 2B, and 3 LIGHTING, as shown in the plans, consists of using the temporary lighting until the proposed lighting is constructed and is operational.

REMOVAL. When the Engineer determines the temporary lighting system is no longer required, the Contractor shall remove the entire temporary system and anything left from old permanent system. Completely buried long runs of wires may be abandoned in place. All removed items shall remain the property of the Contractor. Plans of the existing interchange lighting and existing temporary interchange lighting are in the plans For Information Only.

TEMPORARY LIGHTING UNIT: The work consists of adding temporary lights to an existing temporary lighting system as shown in the plans. Work shall be in accordance with the plan detail sheet for TEMPORARY ROADWAY LIGHTING (LTG014.M32) or as approved by the engineer and includes the overhead distribution system shown in the plans required to energize these lights. The necessary control equipment as shown on the plans shall be paid separately.

All labor, material, and equipment necessary to install the individual temporary lighting units, as specified above, will be paid for at the contract price EACH for TEMPORARY LIGHTING UNIT which price shall also include providing service to energize the light, adjustments, maintenance, and all energy costs.

Added 4/18/06

RELOCATE EXISTING TEMPORARY LIGHTING UNIT

RELOCATION: This work shall consist of removing, relocating and reinstalling existing lighting to accommodate staged construction of the I-80 interchange at Ridge Road according to Section 840 of the "Standard Specifications for Road and Bridge Construction" and as modified herein. This may involve relocating the same pole(s) and fixture(s) more than one time and re-establishing service to the same, each move shall be paid for.

The Contractor shall be responsible for relocating and maintaining the existing temporary lighting along the interchange ramps during the various stages of construction according to Section 801 of the "Standard Specifications for Road and Bridge Construction". Poles and all attached facilities shall be kept clear of construction operations during all stages of construction to the satisfaction of the Engineer. Lighting facilities shall be kept in good working condition throughout the course of construction to enhance safety within the interchange.

Clearing the wire way opening of existing unit duct, backfilling the hole, and all appurtenant materials and work required for the relocation shall be included as part of the work.

New high mast lighting may be used in place of existing wood poles and luminaries as part of the temporary lighting if approved by the Engineer. Any damage to high mast lighting or subsequent relocation required as a result of the high mast towers being incorporated into the temporary lighting scheme shall be at the Contractor's expense.

BASIS OF PAYMENT: Relocation of existing lighting will be paid for at the contract unit price each for RELOCATE EXISTING TEMPORARY LIGHTING UNIT which shall be payment in full for performing the work as described herein.

REMOVE AND RELOCATE EXISTING LIGHT STANDARD

This work shall consist of removing, relocating and reinstalling existing lighting to accommodate staged construction of Ridge Road according to Section 840 of the "Standard Specifications for Road and Bridge Construction" and as modified herein.

The Contractor shall be responsible for maintaining one temporary light pole at the intersection of Ottawa Drive and Ridge Road during the various stages of construction according to Section 801 of the "Standard Specifications for Road and Bridge Construction". The pole and all attached facilities shall be kept clear of construction operations during all stages of construction to the satisfaction of the Engineer. Temporary lighting shall be kept in good working condition throughout the course of construction to enhance safety within the interchange.

The existing ornamental lighting standards shall be stored at a secure location for the duration they are disconnected.

BASIS OF PAYMENT: Relocation of existing lighting will be paid for at the contract unit price each for REMOVE AND RELOCATE EXISTING LIGHT STANDARD which shall be payment in full for performing the work as described herein. Work includes providing new light pole foundations as shown in these plans.

Added 4/18/06

REMOVE EXISTING LIGHTING SYSTEM

This work consists of removal of the existing lighting system at the Minooka Interchange. This includes existing metal light poles, foundations, luminaries, controllers, service poles, and associated appurtenances, including the backfilling of excavated areas.

Removal shall be in accordance with the applicable articles of section 842.

This work shall be paid for at the contract unit price each for REMOVE EXISTING LIGHTING SYSTEM.

REMOVAL OF TEMPORARY LIGHTING UNITS

At the end of construction, all existing and relocated lighting used for the temporary lighting shall be removed from the site and disposed of. Work shall be in accordance with section 841. This work includes the removal of temporary lighting with 26 wood light poles left in place from a previous contract (66044). Temporary lighting will not be salvaged by the Department. All materials shall become the property of the contractor and removed from the site, no IDO salvage.

Removal of individual wood poles and the overhead distribution system shall be paid for at the contract unit price EACH for REMOVAL OF TEMPORARY LIGHTING UNITS)

FURNISH AND INSTALL HIGH MAST LIGHT TOWER

This work shall be performed according to the Standard Specifications and as stated herein:

Light towers shall be weathering steel. The assembly & installation of all light towers shall be completed under the supervision of a representative of the Manufacturer. At the time of the final inspection, the Contractor shall provide to the Engineer the Manufacturer's written certification, signed by their supervising representative that all towers have been properly installed.

Light tower loading shall be based upon a minimum combined luminaire weight and effective projected area of 600 lbs. and 24 square feet. In addition, the assigned loading for the luminaire ring and hood shall have a minimum effective projected area of 10 square feet.

The light tower shall be cleaned, primed and painted in accordance with the attached special provision for "Light Tower Finish". The luminaires shall be dark bronze to match the color of the towers.

Added 4/18/06

The tower base shall be of sufficient size as to allow all power cords, control cords and devices to be neatly coiled and stored in the base without inhibiting accessibility of any component. The tower's reinforced handhole frame shall extend a minimum of 8" out from the face of the pole (unless the tower has a flair base) to allow room for electrical equipment. The rain shield shall be welded to the handhole frame.

The access door shall be a pocket door adequately sized to house the main breaker panel. The door shall have a full-height stainless steel piano hinge, shall be held closed with 12 gauge, captive, adjustable, spring loaded, stainless steel clamp assemblies, and shall be equipped with a linkage arm assembly designed to hold the door in the open position.

All crevices and gaps at the backer ring at the tower base shall be sealed completely to preclude the collection of water and to prevent corrosion.

The multi-point safety chain and hook assembly consisting of two chains shall be stainless steel. Each chain shall be of sufficient strength as to independently withstand the weight of the entire luminaire ring assembly and seating force.

The luminaire ring shall be fully enclosed and continuously welded.

The luminaire ring shall be equipped with a shock-absorbing system to guide the ring during raising/lowering operations. This system shall maintain positive contact with the tower shaft during the full length of travel of the ring unless written approval is obtained from the Engineer for an alternate system.

The luminaire ring shall be equipped with a stainless steel, NEMA 3R box to house luminaire fuses and fuse blocks. The box shall be equipped with a hinged door and latch and it shall be completely sealed to preclude the entry of moisture.

Multi-mount luminaires shall be equipped with a yoke mount that allows unrestrained rotation of the fixture for aiming.

All high mast luminaires shall be vibration tested at resonant frequency and shall pass ANSI C136.31 and be rated for "3G" peak acceleration. Vibration testing of the luminaire shall replicate the means of attachment to the luminaire ring. Written results of the test shall be sent to the Engineer along with the Manufacturer's certification.

The power cord running from the transition plate to the luminaire ring shall have a three conductor, extra flexible, jacketed construction with reinforced fillers to maintain a smooth, round surface. Each conductor shall be No. 8 AWG stranded annealed copper.

The hood shall be secured in place with a primary and secondary latching system and, in addition, shall be attached with a stainless steel tether of the same strength as that used in the handhole for the safety chain. The hood shall be easily removed for maintenance and remain connected to the head frame by the tether.

Added 4/18/06

All cable connectors for the lightning protection system shall be of the compression type. Bolted connections will only be accepted at attachment points to the tower shaft & head frame. Threads in all grounding lugs shall be protected with plastic inserts during shipment.

Grounding electrodes for light towers shall be installed in accordance with Section 806 of the Standard Specifications. Grounding electrodes shall be housed in an access well and shall be incidental to the cost of the light tower foundation

A concrete work pad shall be installed adjacent to each tower handhole in accordance with Article 1068.01(b)(1)f of the Standard Specifications.

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR LIGHT TOWER OF THE MOUNTING HEIGHT, LUMINAIRE COUNT AND FINISH SPECIFIED.

LIGHT TOWER FINISH

Effective: March 1, 2003

Use in place of Article 1069.04(d)(1)&(2) of the Standard Specifications:

Art. 1069.04

(d) Light Tower Finish.

- (1) Painted Tower. All interior and exterior surfaces shall be uniformly coated and free of holidays including the hand hole frame, hand hole door, base plate, and mounting plate. Stainless steel components shall not be painted.

An organic zinc-rich, epoxy, urethane paint system shall be used. Each coat shall be a different color. The finish coat for all exterior surfaces shall be Munsell color number 5B 7/1 (gray). A finish coat is not required on interior surfaces of the pole.

All surfaces to be painted shall be prepared according to the Society for Protective Coatings (SSPC) Surface Preparation Specification SP10 "Near-White Blast Cleaning", with a surface profile of 25 to 75 μm (1 to 3 mils). The inside surface of the pole above the bottom 3 m (10 ft) need only be prepared according to SSPC Specification SP6 "Commercial Blast Cleaning" with a surface profile of 25 to 75 μm (1 to 3 mils). Surfaces to be painted shall be free of all moisture, oil, grease, or other foreign matter, and essentially free of weld spatter.

The organic zinc-rich, epoxy, urethane paint system shall meet the quality standards of the Department's Special Provision for Organic Zinc-Rich Paint System except the paint manufacturer does not have to submit samples for the Department's approval unless specifically requested. All paint shall be shop applied under controlled conditions. The dry film thickness of each coat shall be as recommended by the paint manufacturer for continuous exterior exposure and approved by the Engineer.

Added 4/18/06

Each coat shall be applied according to the paint manufacturer's recommendations and "Product Data Sheet", as reviewed and accepted by the Engineer. The Contractor shall furnish to the Engineer, the paint manufacturer's normal warranty and certification that the paint has been properly applied.

Field touch up painting of towers shall be according to the paint manufacturer's recommended procedures with paint supplied for that purpose.

- (2) Weathering Steel Towers. The paint shall be produced and applied as specified above except weathering steel towers shall have the bottom 3 m (10 ft) painted. In addition, the head frame mounting plate at the top of the pole and both contact surfaces at the slip joint(s) plus 300 mm (1 ft) shall also be painted with prime, intermediate, and finish coat. The finish coat for exterior surfaces shall be Federal Standard Color Number 595A – color chip 20045 (approximating weathering steel).

Painted surfaces shall be prepared to SP10 and all other surfaces shall be cleaned in accordance with SSPC SP6 to allow formation of a uniform patina. Unpainted surfaces shall be free of any paint, weld splatter, oil, grease, or other foreign matter.

This work will not be paid for separately but shall be included in the cost of the towers.

Added 4/18/06