



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

January 14, 2011

SUBJECT: FAP Route 365
Project NHF-CMF-0365 (012)
Section (58 & 59) WRS-3
DuPage County
Contract No. 62420
Item No. 134, January 21, 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.
2. Revised the Table of Contents to the Special Provisions.
3. Revised pages 5 & 44 - 48 of the Special Provisions.
4. Added pages 290 - 293 to the Special Provisions.
5. Revised sheets 6-9, 11-16, 18-24, 27, 31, 89-106, 115, 142, 150, 187, 190, 191, 199, 200, 207, 208, 222, 225, 261, 284, 294-297, 300, 301, 305-307, 310, 312, 313, 382 & 383 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,

Scott E. Stitt, P.E.
Acting Engineer of Design and Environment

A handwritten signature in cursive script, reading "Ted B. Walschleger P.E." with a small "P.E." to the right.

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

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

TBW:MS:jc

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 62420

State Job # - C-91-127-02
 PPS NBR - 1-70863-0500
 County Name - DUPAGE -
 Code - 43 - -
 District - 1 - -
 Section Number - (58 & 59)WRS-3

Project Number
 NHF-CMF-TE-0365/012/

Route
 FAP 365

* REVISED : JANUARY 12, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
A2000316	T-ACER MIY MOR 2	EACH	13.000				
A2001114	T-ACER RUB MAG MGNT 2	EACH	19.000				
A2001612	T-ACER SACC MRTN 2	EACH	28.000				
A2002008	T-AESCUL FLV YSB 2 BB	EACH	17.000				
A2002566	T-CARP CAROL SF 6'	EACH	34.000				
A2002616	T-CARYA CORD 2	EACH	19.000				
A2002716	T-CARYA OVATA 2	EACH	16.000				
A2002916	T-CELTIS OCCID 2	EACH	77.000				
A2005020	T-GYMNOCLA DIO 2-1/2	EACH	121.000				
A2005116	T-JUGLANS NIGRA 2	EACH	15.000				
A2005516	T-NYSSA SYLVAT 2	EACH	6.000				
A2005556	T-NYSSA SYLVAT CL 6'	EACH	12.000				
A2005616	T-OSTRYA VIRG 2	EACH	62.000				
A2006416	T-QUERCUS ALBA 2	EACH	47.000				
A2006516	T-QUERCUS BICOL 2	EACH	72.000				

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A2006616	T-QUERCUS IMBR 2	EACH	37.000				
A2006716	T-QUERCUS MACR 2	EACH	112.000				
A2006816	T-QUERCUS MEUH 2	EACH	23.000				
A2007816	T-TILIA AMER 2	EACH	17.000				
A2008468	T-ULMUS AMER PRINC 2	EACH	49.000				
A2012000	T-AESCUL ARNOLDIANA 2	EACH	16.000				
B2000566	T-AMELAN CAN SF 6'	EACH	14.000				
B2001166	T-CERCIS CAN CL 6'	EACH	17.000				
B2001566	T-CRATAE CRUS SF 6'	EACH	18.000				
B2001666	T-CRATAE CRU-I SF 6'	EACH	19.000				
B2004150	T-MALUS PR TF 2	EACH	18.000				
B2010070	T-CLADRASTIS KY 2	EACH	7.000				
C2003360	S-HAMAMELIS VIRG 5'	EACH	8.000				
D2002484	E-PINUS FLX VWP 7'	EACH	15.000				
E20020G6	V-C RADICANS 1G	EACH	32.000				

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E20150G1	V-HYDRAN ANA PET 1G	EACH	32.000				
E20210G1	V-PARTHEN QUIN EM 1G	EACH	736.000				
* K0012970	PERENNIAL PLNT BULB T	UNIT	29.000				
* K0012990	P PL ORNAMENT T GAL P	UNIT	48.000				
* K0013060	P PL SEDG MDW 2X4 DPG	UNIT	147.000				
K0026850	PERENNIAL PLANT CARE	SQ YD	3,500.000				
K0028500	SNAG PLACEMENT	EACH	15.000				
K0029626	WEED CONTROL TEASEL	POUND	1.000				
K0029632	WEED CONT N SEL/N RES	GALLON	5.000				
K0029634	WEED CONTR PRE-EM GRN	POUND	125.000				
K1005428	SEEDING SEDGE MDW MIX	ACRE	0.500				
K1005863	TREE ROOT PRUNING	EACH	45.000				
XX005920	SEEDING WET PRAIRIE	ACRE	3.300				
XX006144	SEEDING,MESIC PRAIRIE	ACRE	1.300				
XX008001	AGGREGATE PATH 8	SQ YD	900.000				

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XX008156	LINE STOP 10	EACH	2.000				
X0301423	NOISE AB WALL GRD MT	SQ FT	6,814.000				
X0322943	BR DK TH POLY OVL 1/4	SQ YD	231.000				
X0324097	COARSE SAND PLACE 2	SQ YD	6,770.000				
X0325751	DRIVE SOLDIER PILES	FOOT	760.000				
X0327002	STL CSNG JACK N PL 20	FOOT	125.000				
* X0327145	P HMA BC IL19.0N90 10	SQ YD	154,066.000				
X2010300	TREE REMOV UNDER 6	UNIT	80.000				
X2070304	POROUS GRAN EMB SPEC	CU YD	464.000				
X2501820	SEEDING CL 5 MOD	ACRE	1.100				
X2502014	SEEDING CL 4A MOD	ACRE	9.300				
X2502024	SEEDING CL 4B MOD	ACRE	1.700				
X2503315	INTERSEED CL 4A MOD	ACRE	5.000				
X2510635	HD EROS CONT BLANK SP	SQ YD	26,421.000				
X2800400	PERIMETER EROS BAR SP	FOOT	19,175.000				

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X4021000	TEMP ACCESS- PRIV ENT	EACH	24.000				
X4022000	TEMP ACCESS- COM ENT	EACH	17.000				
X4023000	TEMP ACCESS- ROAD	EACH	15.000				
* X4063500	PRELIM TEST STRIP	EACH	4.000				
X4200501	PCC PVT 10 JOINTD SPL	SQ YD	1,121.000				
X4240430	PC CONC SIDEWALK 5 SP	SQ FT	2,120.000				
X5020501	UNWAT STR EX PROT L1	EACH	1.000				
X5537800	SS CLEANED 12	FOOT	100.000				
X5537900	SS CLEANED 15	FOOT	719.000				
X5538000	SS CLEANED 18	FOOT	224.000				
X5538200	SS CLEANED 24	FOOT	891.000				
X6020088	MAN TA 8 DIA T1F CL	EACH	4.000				
X6020094	MAN TA 6D T1F CL R-P	EACH	1.000				
X6020294	MAN TA 7D T1F CL R-P	EACH	1.000				
X6020298	MAN TA 8D T1F CL R-P	EACH	1.000				

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X6060300	CONC MED TSB6.24 SPL	SQ FT	11,443.000				
X6300130	SPBGR TY A SPL	FOOT	100.000				
X7010216	TRAF CONT & PROT SPL	L SUM	1.000				
X7030025	WET REF TEM TP T3 L&S	SQ FT	1,920.000				
X7030030	WET REF TEM TAPE T3 4	FOOT	92,650.000				
X7030040	WET REF TEM TAPE T3 6	FOOT	4,473.000				
X7030055	WET REF TEM TPE T3 24	FOOT	842.000				
X7810300	REC REF PVT MARKER	EACH	263.000				
X8050015	SERV INSTALL POLE MT	EACH	3.000				
X8250085	LTG CONTR DUP CONS TY	EACH	1.000				
X8620020	UNINTER POWER SUPPLY	EACH	3.000				
X8710020	FOCC62.5/125 MM12SM12	FOOT	6,774.000				
* X8730320	EC C SIGL 20 3C TW SH	FOOT	3,934.000				
Z0001050	AGG SUBGRADE 12	SQ YD	192,481.000				
Z0001900	ASB BEARING PAD REMOV	EACH	68.000				

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Z0004552	APPROACH SLAB REM	SQ YD	653.000				
Z0007118	UNTREATED TIMBER LAG	SQ FT	1,200.000				
Z0007430	TEMP SIDEWALK	SQ FT	10,292.000				
Z0012100	CONC BR DECK SCAR 1/4	SQ YD	231.000				
Z0012754	STR REP CON DP = < 5	SQ FT	11.000				
Z0012755	STR REP CON DP OVER 5	SQ FT	1.000				
Z0013797	STAB CONSTR ENTRANCE	SQ YD	200.000				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000				
Z0016001	DECK SLAB REP (FD-T1)	SQ YD	1.000				
Z0016002	DECK SLAB REP (FD-T2)	SQ YD	1.000				
Z0018002	DRAINAGE SCUPPR DS-11	EACH	4.000				
* Z0018800	DRAINAGE SYSTEM	L SUM	1.000				
Z0024478	FLEX DELINEATORS	EACH	10.000				
Z0026402	FUR SOLDIER PILES HP	FOOT	760.000				
Z0026407	TEMP SHT PILING	SQ FT	4,400.000				

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Z0030240	IMP ATTN TEMP NRD TL2	EACH	4.000				
Z0030850	TEMP INFO SIGNING	SQ FT	398.000				
Z0033020	LUM SFTY CABLE ASMBLY	EACH	28.000				
Z0033028	MAINTAIN LIGHTING SYS	CAL MO	16.000				
Z0033044	RE-OPTIMIZE SIG SYS 1	EACH	1.000				
Z0033056	OPTIM TRAF SIGNAL SYS	EACH	1.000				
* Z0033084	EC C GROUND 6 1C GRN	FOOT	3,386.000				
Z0033090	ELCBL C TRACER 14 1C	FOOT	6,739.000				
Z0042002	POROUS GRAN EMB SUBGR	CU YD	10,568.000				
Z0044900	PRESS CONNECT 10X10	EACH	2.000				
Z0045100	PRESS CONNECT 12X12	EACH	1.000				
Z0046304	P UNDR FOR STRUCT 4	FOOT	833.000				
Z0048665	RR PROT LIABILITY INS	L SUM	1.000				
Z0054400	ROCK FILL	CU YD	662.000				
Z0056608	STORM SEW WM REQ 12	FOOT	312.000				

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Z0056610	STORM SEW WM REQ 15	FOOT	266.000				
Z0056612	STORM SEW WM REQ 18	FOOT	142.000				
Z0062456	TEMP PAVEMENT	SQ YD	3,797.000				
Z0064800	SELECTIVE CLEARING	UNIT	38.000				
Z0067700	STEEL CASINGS 20	FOOT	160.000				
Z0073510	TEMP TR SIGNAL TIMING	EACH	3.000				
Z0077900	WD POST & RAIL FENCE	FOOT	880.000				
20100110	TREE REMOV 6-15	UNIT	1,404.000				
20100210	TREE REMOV OVER 15	UNIT	859.000				
20100500	TREE REMOV ACRES	ACRE	6.700				
20101000	TEMPORARY FENCE	FOOT	4,000.000				
20101300	TREE PRUN 1-10	EACH	75.000				
20101350	TREE PRUN OVER 10	EACH	75.000				
20200100	EARTH EXCAVATION	CU YD	82,252.000				
20201200	REM & DISP UNS MATL	CU YD	80,656.000				

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20400800	FURNISHED EXCAVATION	CU YD	6,289.000				
20800150	TRENCH BACKFILL	CU YD	6,841.000				
21101625	TOPSOIL F & P 6	SQ YD	26,421.000				
21101630	TOPSOIL F & P 8	SQ YD	132,642.000				
21101645	TOPSOIL F & P 12	SQ YD	6,770.000				
21101685	TOPSOIL F & P 24	SQ YD	23,700.000				
21101695	TOPSOIL F & P 30	SQ YD	1,263.000				
21101805	COMPOST F & P 2	SQ YD	26,421.000				
21101815	COMPOST F & P 4	SQ YD	6,770.000				
21301072	EXPLOR TRENCH 72	FOOT	200.000				
25000210	SEEDING CL 2A	ACRE	22.600				
25000400	NITROGEN FERT NUTR	POUND	3,900.000				
25000600	POTASSIUM FERT NUTR	POUND	3,900.000				
25000750	MOWING	ACRE	20.000				
25100105	MULCH METHOD 1	ACRE	4.000				

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25100115	MULCH METHOD 2	ACRE	36.000				
25100630	EROSION CONTR BLANKET	SQ YD	156,290.000				
25100900	TURF REINF MAT	SQ YD	600.000				
25200110	SODDING SALT TOLERANT	SQ YD	4,468.000				
25200200	SUPPLE WATERING	UNIT	120.000				
28000200	EARTH EXC - EROS CONT	CU YD	300.000				
28000250	TEMP EROS CONTR SEED	POUND	40,000.000				
28000305	TEMP DITCH CHECKS	FOOT	4,860.000				
28000400	PERIMETER EROS BAR	FOOT	8,000.000				
28000500	INLET & PIPE PROTECT	EACH	480.000				
28001000	AGGREGATE - EROS CONT	TON	276.000				
28100101	STONE RIPRAP CL A1	SQ YD	2,085.000				
28100103	STONE RIPRAP CL A2	SQ YD	27.000				
28100105	STONE RIPRAP CL A3	SQ YD	76.000				
28100107	STONE RIPRAP CL A4	SQ YD	2,085.000				

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28200200	FILTER FABRIC	SQ YD	2,188.000				
28300400	AGGREGATE DITCH	TON	500.000				
35101800	AGG BASE CSE B 6	SQ YD	7,582.000				
35300700	PCC BSE CSE 12	SQ YD	177.000				
35501308	HMA BASE CSE 6	SQ YD	1,370.000				
35501316	HMA BASE CSE 8	SQ YD	3,177.000				
40200710	AGG SURF CSE A 10	SQ YD	333.000				
40600200	BIT MATLS PR CT	TON	234.000				
40600300	AGG PR CT	TON	1,233.000				
40600635	LEV BIND MM N70	TON	174.000				
* DELETED							
40600982	HMA SURF REM BUTT JT	SQ YD	88.000				
40601005	HMA REPL OVER PATCH	TON	85.000				
40603080	HMA BC IL-19.0 N50	TON	850.000				
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40603148	P HMA BC SMA N80	TON	17,255.000				
40603153	P HMA SC SMA N80	TON	17,471.000				
40603310	HMA SC "C" N50	TON	1,359.000				
40800050	INCIDENTAL HMA SURF	TON	250.000				
42001300	PROTECTIVE COAT	SQ YD	22,951.000				
42300400	PCC DRIVEWAY PAVT 8	SQ YD	123.000				
42400200	PC CONC SIDEWALK 5	SQ FT	27,110.000				
42400800	DETECTABLE WARNINGS	SQ FT	856.000				
44000100	PAVEMENT REM	SQ YD	99,944.000				
44000159	HMA SURF REM 2 1/2	SQ YD	1,259.000				
44000200	DRIVE PAVEMENT REM	SQ YD	5,449.000				
44000300	CURB REM	FOOT	1,340.000				
44000500	COMB CURB GUTTER REM	FOOT	15,346.000				
44000600	SIDEWALK REM	SQ FT	15,312.000				
44002216	HMA RM OV PATCH 4	SQ YD	375.000				

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44003100	MEDIAN REMOVAL	SQ FT	33,016.000				
44004250	PAVED SHLD REMOVAL	SQ YD	25,447.000				
44201765	CL D PATCH T2 10	SQ YD	200.000				
44201769	CL D PATCH T3 10	SQ YD	100.000				
44201771	CL D PATCH T4 10	SQ YD	230.000				
48101200	AGGREGATE SHLDS B	TON	1,572.000				
48203053	HMA SHOULDERS 14	SQ YD	24,187.000				
50100300	REM EXIST STRUCT N1	EACH	1.000				
50100400	REM EXIST STRUCT N2	EACH	1.000				
50102400	CONC REM	CU YD	8.600				
50104400	CONC HDWL REM	EACH	2.000				
50105220	PIPE CULVERT REMOV	FOOT	603.000				
50200100	STRUCTURE EXCAVATION	CU YD	1,192.000				
50200450	REM/DISP UNS MATL-STR	CU YD	662.000				
50300225	CONC STRUCT	CU YD	520.000				

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50300255	CONC SUP-STR	CU YD	1,452.900				
50300260	BR DECK GROOVING	SQ YD	2,080.000				
50300280	CONCRETE ENCASMENT	CU YD	35.500				
50300300	PROTECTIVE COAT	SQ YD	3,089.000				
50400905	F & E P P CON I-BM 42	FOOT	2,916.000				
50500505	STUD SHEAR CONNECTORS	EACH	836.000				
50800205	REINF BARS, EPOXY CTD	POUND	421,410.000				
50800515	BAR SPLICERS	EACH	1,406.000				
50901720	BICYCLE RAILING	FOOT	225.000				
50901750	PARAPET RAILING	FOOT	225.000				
51201800	FUR STL PILE HP14X73	FOOT	1,729.000				
51202000	FUR STL PILE HP14X102	FOOT	1,032.000				
51202305	DRIVING PILES	FOOT	2,761.000				
51203800	TEST PILE ST HP14X73	EACH	2.000				
51204000	TEST PILE ST HP14X102	EACH	1.000				

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Route
 FAP 365

* REVISED : JANUARY 12, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
51204650	PILE SHOES	EACH	65.000				
51500100	NAME PLATES	EACH	1.000				
54001001	BOX CUL END SEC C1	EACH	1.000				
54001002	BOX CUL END SEC C2	EACH	1.000				
54001003	BOX CUL END SEC C3	EACH	1.000				
54001004	BOX CUL END SEC C4	EACH	1.000				
54001005	BOX CUL END SEC C5	EACH	1.000				
54001006	BOX CUL END SEC C6	EACH	1.000				
54001007	BOX CUL END SEC C7	EACH	1.000				
54001008	BOX CUL END SEC C8	EACH	1.000				
54001009	BOX CUL END SEC C9	EACH	1.000				
54001010	BOX CUL END SEC C10	EACH	1.000				
54001011	BOX CUL END SEC C11	EACH	1.000				
54001012	BOX CUL END SEC C12	EACH	1.000				
54001013	BOX CUL END SEC C13	EACH	1.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 62420

State Job # - C-91-127-02
 PPS NBR - 1-70863-0500
 County Name - DUPAGE- -
 Code - 43 - -
 District - 1 - -
 Section Number - (58 & 59)WRS-3

Project Number
 NHF-CMF-TE-0365/012/

Route
 FAP 365

* REVISED : JANUARY 12, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
54001014	BOX CUL END SEC C14	EACH	1.000				
54003000	CONC BOX CUL	CU YD	204.700				
54020603	PCBC 6X3 (M273)	FOOT	594.000				
542A0217	P CUL CL A 1 12	FOOT	24.000				
542A0220	P CUL CL A 1 15	FOOT	299.000				
542A0223	P CUL CL A 1 18	FOOT	346.000				
542A0259	P CUL CL A 1 54	FOOT	83.000				
542A1060	P CUL CL A 2 15	FOOT	286.000				
542A1069	P CUL CL A 2 24	FOOT	428.000				
5421A012	P CUL CL A 1 12 TEMP	FOOT	400.000				
* 54213657	PRC FLAR END SEC 12	EACH	43.000				
54213660	PRC FLAR END SEC 15	EACH	34.000				
54213663	PRC FLAR END SEC 18	EACH	10.000				
54213669	PRC FLAR END SEC 24	EACH	9.000				
54213681	PRC FLAR END SEC 36	EACH	2.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 62420

State Job # - C-91-127-02
 PPS NBR - 1-70863-0500
 County Name - DUPAGE- -
 Code - 43 - -
 District - 1 - -
 Section Number - (58 & 59)WRS-3

Project Number
 NHF-CMF-TE-0365/012/

Route
 FAP 365

* REVISED : JANUARY 12, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
54213687	PRC FLAR END SEC 42	EACH	1.000				
54213699	PRC FLAR END SEC 54	EACH	4.000				
54214743	PRCF END S EL EQRS 48	EACH	1.000				
54214749	PRCF END S EL EQRS 54	EACH	1.000				
54216200	R C PIPE TEE 24P 12R	EACH	1.000				
54216220	R C PIPE TEE 36P 12R	EACH	2.000				
54216231	R C PIPE TEE 42P 12R	EACH	1.000				
54247090	GRATING-C FL END S 12	EACH	4.000				
54247100	GRATING-C FL END S 15	EACH	2.000				
54247130	GRATING-C FL END S 24	EACH	4.000				
54247170	GRATING-C FL END S 36	EACH	2.000				
54247200	GRATING-C FL END S 54	EACH	4.000				
54248180	GRT-C FL END S EQV 48	EACH	1.000				
54248190	GRT-C FL END S EQV 54	EACH	1.000				
54248510	CONCRETE COLLAR	CU YD	3.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 62420

State Job # - C-91-127-02
 PPS NBR - 1-70863-0500
 County Name - DUPAGE- -
 Code - 43 - -
 District - 1 - -
 Section Number - (58 & 59)WRS-3

Project Number
 NHF-CMF-TE-0365/012/

Route
 FAP 365

* REVISED : JANUARY 12, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
550A0050	STORM SEW CL A 1 12	FOOT	854.000				
550A0070	STORM SEW CL A 1 15	FOOT	167.000				
* 550A0090	STORM SEW CL A 1 18	FOOT	212.000				
* 550A0120	STORM SEW CL A 1 24	FOOT	125.000				
550A0140	STORM SEW CL A 1 30	FOOT	214.000				
550A0160	STORM SEW CL A 1 36	FOOT	130.000				
* 550A0340	STORM SEW CL A 2 12	FOOT	3,670.000				
* 550A0360	STORM SEW CL A 2 15	FOOT	1,883.000				
* 550A0380	STORM SEW CL A 2 18	FOOT	1,000.000				
* 550A0410	STORM SEW CL A 2 24	FOOT	691.000				
* 550A0430	STORM SEW CL A 2 30	FOOT	519.000				
550A0450	STORM SEW CL A 2 36	FOOT	1,213.000				
550A0470	STORM SEW CL A 2 42	FOOT	355.000				
550A4700	SS CL A 1 EQRS 42	FOOT	864.000				
550A4720	SS CL A 1 EQRS 54	FOOT	601.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 62420

State Job # - C-91-127-02
 PPS NBR - 1-70863-0500
 County Name - DUPAGE- -
 Code - 43 - -
 District - 1 - -
 Section Number - (58 & 59)WRS-3

Project Number
 NHF-CMF-TE-0365/012/

Route
 FAP 365

* REVISED : JANUARY 12, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
550A5500	SS CL A 2 EQRS 42	FOOT	1,370.000				
550A5510	SS CL A 2 EQRS 48	FOOT	164.000				
55100500	STORM SEWER REM 12	FOOT	1,905.000				
55100700	STORM SEWER REM 15	FOOT	170.000				
55101200	STORM SEWER REM 24	FOOT	570.000				
55101400	STORM SEWER REM 30	FOOT	176.000				
56100800	WATER MAIN 10	FOOT	180.000				
56100900	WATER MAIN 12	FOOT	290.000				
56103200	D I WATER MAIN 10	FOOT	35.000				
56103300	D I WATER MAIN 12	FOOT	775.000				
56105200	WATER VALVES 12	EACH	3.000				
56105700	INSERT VALVES 10	EACH	1.000				
56400300	FIRE HYDNNTS TO BE ADJ	EACH	8.000				
56400600	FIRE HYDRANTS	EACH	1.000				
59100100	GEOCOMPOSITE WALL DR	SQ YD	335.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 62420

State Job # - C-91-127-02
 PPS NBR - 1-70863-0500
 County Name - DUPAGE- -
 Code - 43 - -
 District - 1 - -
 Section Number - (58 & 59)WRS-3

Project Number
 NHF-CMF-TE-0365/012/

Route
 FAP 365

* REVISED : JANUARY 12, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
59300100	CONTR LOW-STRENG MATL	CU YD	10.000				
60100060	CONC HDWL FOR P DRAIN	EACH	66.000				
60107600	PIPE UNDERDRAINS 4	FOOT	10,882.000				
60108100	PIPE UNDERDRAIN 4 SP	FOOT	990.000				
60200105	CB TA 4 DIA T1F OL	EACH	3.000				
60200805	CB TA 4 DIA T8G	EACH	16.000				
60201110	CB TA 4 DIA T11V F&G	EACH	18.000				
* 60201330	CB TA 4 DIA T23F&G	EACH	22.000				
60201340	CB TA 4 DIA T24F&G	EACH	90.000				
* DELETED							
60205415	CB TA 5D M INL 604101	EACH	1.000				
60206905	CB TC T1F OL	EACH	2.000				
60207605	CB TC T8G	EACH	13.000				
* 60218400	MAN TA 4 DIA T1F CL	EACH	18.000				
60219000	MAN TA 4 DIA T8G	EACH	1.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 62420

State Job # - C-91-127-02
 PPS NBR - 1-70863-0500
 County Name - DUPAGE- -
 Code - 43 - -
 District - 1 - -
 Section Number - (58 & 59)WRS-3

Project Number
 NHF-CMF-TE-0365/012/

Route
 FAP 365

* REVISED : JANUARY 12, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
60219540	MAN TA 4 DIA T24F&G	EACH	1.000				
* 60221100	MAN TA 5 DIA T1F CL	EACH	14.000				
60221700	MAN TA 5 DIA T8G	EACH	1.000				
60223800	MAN TA 6 DIA T1F CL	EACH	3.000				
60224005	MAN TA 6 DIA T8G	EACH	1.000				
60224458	MAN TA 8 DIA T8G	EACH	4.000				
60236200	INLETS TA T8G	EACH	1.000				
60248900	VV TA 5 DIA T1F CL	EACH	7.000				
60250200	CB ADJUST	EACH	14.000				
60255410	CB CLEANED	EACH	2.000				
60255500	MAN ADJUST	EACH	46.000				
60257900	MAN RECONST	EACH	3.000				
60265700	VV ADJUST	EACH	32.000				
60266600	VALVE BOX ADJ	EACH	4.000				
60500070	REMOV MAN - MAIN FLOW	EACH	2.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 62420

State Job # - C-91-127-02
 PPS NBR - 1-70863-0500
 County Name - DUPAGE- -
 Code - 43 - -
 District - 1 - -
 Section Number - (58 & 59)WRS-3

Project Number
 NHF-CMF-TE-0365/012/

Route
 FAP 365

* REVISED : JANUARY 12, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
60500105	FILL MANHOLES	EACH	15.000				
60500205	FILL CATCH BAS	EACH	35.000				
60500405	FILL VALVE VLTS	EACH	1.000				
60500705	CB FILL TO MAIN FLOW	EACH	1.000				
60600095	CLASS SI CONC OUTLET	CU YD	9.000				
60603500	COMB CC&G TB6.06	FOOT	100.000				
60603800	COMB CC&G TB6.12	FOOT	19,172.000				
60604400	COMB CC&G TB6.18	FOOT	4,793.000				
60605000	COMB CC&G TB6.24	FOOT	20,763.000				
60609200	COMB CC&G TM6.12	FOOT	100.000				
60610400	COMB CC&G TM6.24	FOOT	196.000				
60618210	HMA MEDIAN SURF 4	SQ FT	1,713.000				
60618300	CONC MEDIAN SURF 4	SQ FT	4,569.000				
60618740	CONC MED TM2.12	SQ FT	657.000				
60619600	CONC MED TSB6.12	SQ FT	14,171.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 62420

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 County Name - DUPAGE - -
 Code - 43 - -
 District - 1 - -
 Section Number - (58 & 59)WRS-3

Project Number
 NHF-CMF-TE-0365/012/

Route
 FAP 365

* REVISED : JANUARY 12, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
60623200	CONC MED TSM6.24	SQ FT	459.000				
60624600	CORRUGATED MED	SQ FT	2,670.000				
63000001	SPBGR TY A 6FT POSTS	FOOT	1,275.000				
63100045	TRAF BAR TERM T2	EACH	4.000				
63100070	TRAF BAR TERM T5	EACH	4.000				
63100085	TRAF BAR TERM T6	EACH	4.000				
63100167	TR BAR TRM T1 SPL TAN	EACH	8.000				
63200310	GUARDRAIL REMOV	FOOT	3,533.000				
66600105	FUR ERECT ROW MARKERS	EACH	16.000				
66700205	PERM SURV MKRS T1	EACH	8.000				
66700305	PERM SURV MKRS T2	EACH	9.000				
66900105	UNDERGR STOR TANK REM	EACH	1.000				
66900200	NON SPL WASTE DISPOSL	CU YD	1,205.000				
66900400	SPL WAST GRD WAT DISP	GALLON	400.000				
66900450	SPL WASTE PLNS/REPORT	L SUM	1.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 62420

State Job # - C-91-127-02
 PPS NBR - 1-70863-0500
 County Name - DUPAGE- -
 Code - 43 - -
 District - 1 - -
 Section Number - (58 & 59)WRS-3

Project Number
 NHF-CMF-TE-0365/012/

Route
 FAP 365

* REVISED : JANUARY 12, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
66900530	SOIL DISPOSAL ANALY	EACH	3.000				
67000400	ENGR FIELD OFFICE A	CAL MO	30.000				
67100100	MOBILIZATION	L SUM	1.000				
70102550	TR CONT-PROT TEMP DET	EACH	2.000				
70103815	TR CONT SURVEILLANCE	CAL DA	670.000				
70106800	CHANGEABLE MESSAGE SN	CAL MO	12.000				
70300100	SHORT TERM PAVT MKING	FOOT	3,000.000				
70300210	TEMP PVT MK LTR & SYM	SQ FT	504.000				
70300220	TEMP PVT MK LINE 4	FOOT	31,914.000				
70300240	TEMP PVT MK LINE 6	FOOT	1,720.000				
70300280	TEMP PVT MK LINE 24	FOOT	144.000				
70301000	WORK ZONE PAVT MK REM	SQ FT	1,500.000				
70400100	TEMP CONC BARRIER	FOOT	575.000				
72000100	SIGN PANEL T1	SQ FT	1,524.000				
72000200	SIGN PANEL T2	SQ FT	100.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 62420

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 County Name - DUPAGE- -
 Code - 43 - -
 District - 1 - -
 Section Number - (58 & 59)WRS-3

Project Number
 NHF-CMF-TE-0365/012/

Route
 FAP 365

* REVISED : JANUARY 12, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
72400500	RELOC SIN PAN ASSY TA	EACH	16.000				
72400600	RELOC SIN PAN ASSY TB	EACH	8.000				
72800100	TELES STL SIN SUPPORT	FOOT	425.000				
72900100	METAL POST TY A	FOOT	1,331.000				
72900200	METAL POST TY B	FOOT	2,095.000				
78000100	THPL PVT MK LTR & SYM	SQ FT	3,240.000				
78000200	THPL PVT MK LINE 4	FOOT	68,226.000				
78000400	THPL PVT MK LINE 6	FOOT	20,911.000				
78000500	THPL PVT MK LINE 8	FOOT	443.000				
78000600	THPL PVT MK LINE 12	FOOT	7,246.000				
78000650	THPL PVT MK LINE 24	FOOT	1,047.000				
78008210	POLYUREA PM T1 LN 4	FOOT	1,610.000				
78008230	POLYUREA PM T1 LN 6	FOOT	96.000				
78008240	POLYUREA PM T1 LN 8	FOOT	157.000				
78008250	POLYUREA PM T1 LN 12	FOOT	122.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
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 Code - 43 - -
 District - 1 - -
 Section Number - (58 & 59)WRS-3

Project Number
 NHF-CMF-TE-0365/012/

Route
 FAP 365

* REVISED : JANUARY 12, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
78100100	RAISED REFL PAVT MKR	EACH	1,407.000				
78100105	RAISED REF PVT MKR BR	EACH	20.000				
78100200	TEMP RAIS REF PVT MKR	EACH	860.000				
78200410	GUARDRAIL MKR TYPE A	EACH	42.000				
78200530	BAR WALL MKR TYPE C	EACH	16.000				
78201000	TERMINAL MARKER - DA	EACH	8.000				
78300100	PAVT MARKING REMOVAL	SQ FT	3,000.000				
78300200	RAISED REF PVT MK REM	EACH	3,000.000				
80400100	ELECT SERV INSTALL	EACH	1.000				
80400200	ELECT UTIL SERV CONN	L SUM	1.000		4,000.000		4,000.000
* 81000600	CON T 2 GALVS	FOOT	6,331.000				
* 81000700	CON T 2 1/2 GALVS	FOOT	459.000				
* 81000800	CON T 3 GALVS	FOOT	114.000				
81000900	CON T 3 1/2 GALVS	FOOT	39.000				
* 81001000	CON T 4 GALVS	FOOT	967.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 62420

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 Code - 43 - -
 District - 1 - -
 Section Number - (58 & 59)WRS-3

Project Number
 NHF-CMF-TE-0365/012/

Route
 FAP 365

* REVISED : JANUARY 12, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
* 81018500	CON P 2 GALVS	FOOT	707.000				
* 81018900	CON P 4 GALVS	FOOT	3,058.000				
81200120	CON EMB STR 2 GALVS	FOOT	224.000				
81400100	HANDHOLE	EACH	18.000				
81400200	HD HANDHOLE	EACH	19.000				
81400300	DBL HANDHOLE	EACH	9.000				
81603210	UD 3#4#6GEP RRHW 1 1/4	FOOT	4,800.000				
81701375	EC C EPR USE 3-1C 300	FOOT	66.000				
81800320	A CBL 3-1C4 MESS WIRE	FOOT	6,260.000				
* 81900200	TR & BK FIL F ELECT WK	FOOT	11,622.000				
82102400	LUM SV HOR MT 400W	EACH	52.000				
83050825	LT P A 47.5MH 15DA	EACH	20.000				
83057355	LT P WD 60 CL4 15MA	EACH	16.000				
83057356	LT P WD 60 CL4 2-15MA	EACH	3.000				
83600200	LIGHT POLE FDN 24D	FOOT	190.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
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 NUMBER - 62420

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 Code - 43 - -
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 Section Number - (58 & 59)WRS-3

Project Number
 NHF-CMF-TE-0365/012/

Route
 FAP 365

* REVISED : JANUARY 12, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
83800205	BKWY DEV TR B 15BC	EACH	20.000				
84100110	REM TEMP LIGHT UNIT	EACH	19.000				
84200500	REM LT UNIT SALV	EACH	12.000				
84200804	REM POLE FDN	EACH	12.000				
84500110	REMOV LIGHTING CONTR	EACH	1.000				
84500130	REMOV LTG CONTR FDN	EACH	1.000				
85000200	MAIN EX TR SIG INSTAL	EACH	1.000				
85700200	FAC T4 CAB	EACH	1.000				
85700205	FAC T4 CAB SPL	EACH	1.000				
85700300	FAC T5 CAB	EACH	1.000				
86000100	MASTER CONTROLLER	EACH	1.000				
86400100	TRANSCEIVER - FIB OPT	EACH	3.000				
* 87301215	ELCBL C SIGNAL 14 2C	FOOT	5,495.000				
* 87301225	ELCBL C SIGNAL 14 3C	FOOT	11,191.000				
* 87301245	ELCBL C SIGNAL 14 5C	FOOT	12,624.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 62420

State Job # - C-91-127-02
 PPS NBR - 1-70863-0500
 County Name - DUPAGE -
 Code - 43 - -
 District - 1 - -
 Section Number - (58 & 59)WRS-3

Project Number
 NHF-CMF-TE-0365/012/

Route
 FAP 365

* REVISED : JANUARY 12, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
* 87301255	ELCBL C SIGNAL 14 7C	FOOT	4,111.000				
* 87301305	ELCBL C LEAD 14 1PR	FOOT	12,379.000				
87301805	ELCBL C SERV 6 2C	FOOT	102.000				
* 87502440	TS POST GALVS 10	EACH	3.000				
87502480	TS POST GALVS 14	EACH	4.000				
87502500	TS POST GALVS 16	EACH	1.000				
87700120	S MAA & P 16	EACH	5.000				
87700130	S MAA & P 18	EACH	2.000				
87700150	S MAA & P 22	EACH	1.000				
87700170	S MAA & P 26	EACH	1.000				
* DELETED							
87700260	S MAA & P 44	EACH	2.000				
* 87700290	S MAA & P 50	EACH	2.000				
87700330	S MAA & P 56	EACH	1.000				
* DELETED							

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
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 NUMBER - 62420

State Job # - C-91-127-02
 PPS NBR - 1-70863-0500
 County Name - DUPAGE- -
 Code - 43 - -
 District - 1 - -
 Section Number - (58 & 59)WRS-3

Project Number
 NHF-CMF-TE-0365/012/

Route
 FAP 365

* REVISED : JANUARY 12, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
* DELETED							
* DELETED							
87700414	S MAA & P 66	EACH	1.000				
* 87700418	S MAA & P 68	EACH	1.000				
* DELETED							
87700428	S MAA & P 74	EACH	1.000				
87704170	STL COMB MAA&P 48 SPL	EACH	1.000				
87704188	STL COMB MAA&P 54 SPL	EACH	2.000				
87704190	STL COMB MAA&P 55 SPL	EACH	1.000				
87800100	CONC FDN TY A	FOOT	28.000				
87800150	CONC FDN TY C	FOOT	12.000				
* 87800400	CONC FDN TY E 30D	FOOT	90.000				
* 87800415	CONC FDN TY E 36D	FOOT	101.000				
* 87800420	CONC FDN TY E 42D	FOOT	117.000				
87900200	DRILL EX HANDHOLE	EACH	1.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
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State Job # - C-91-127-02
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 District - 1 - -
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Project Number
 NHF-CMF-TE-0365/012/

Route
 FAP 365

* REVISED : JANUARY 12, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
* 88030020	SH LED 1F 3S MAM	EACH	39.000				
* 88030050	SH LED 1F 3S BM	EACH	4.000				
88030110	SH LED 1F 5S MAM	EACH	15.000				
88030210	SH LED 2F 3S BM	EACH	2.000				
88030240	SH LED 2F 1-3 1-5 BM	EACH	1.000				
* 88102717	PED SH LED 1F BM CDT	EACH	10.000				
* 88102747	PED SH LED 2F BM CDT	EACH	6.000				
88102757	PED SH LED 3F BM CDT	EACH	2.000				
* 88200210	TS BACKPLATE LOU ALUM	EACH	54.000				
88500100	INDUCTIVE LOOP DETECT	EACH	39.000				
* 88600100	DET LOOP T1	FOOT	2,786.000				
88700200	LIGHT DETECTOR	EACH	10.000				
88700300	LIGHT DETECTOR AMP	EACH	3.000				
* 88800100	PED PUSH-BUTTON	EACH	32.000				
89000100	TEMP TR SIG INSTALL	EACH	3.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER - 62420

State Job # - C-91-127-02
 PPS NBR - 1-70863-0500
 County Name - DUPAGE- -
 Code - 43 - -
 District - 1 - -
 Section Number - (58 & 59)WRS-3

Project Number
 NHF-CMF-TE-0365/012/

Route
 FAP 365

* REVISED : JANUARY 12, 2011

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
89501400	REL EM VEH PR SYS D U	EACH	2.000				
89501410	REL EM VEH PR SYS P U	EACH	1.000				
89502300	REM ELCBL FR CON	FOOT	20,500.000				
89502375	REMOV EX TS EQUIP	EACH	3.000				
89502380	REMOV EX HANDHOLE	EACH	37.000				
89502385	REMOV EX CONC FDN	EACH	26.000				

TABLE OF CONTENTS

LOCATION OF PROJECT 1

DESCRIPTION OF PROJECT 1

MAINTENANCE OF ROADWAYS 1

STATUS OF UTILITIES TO BE ADJUSTED 2

WORK WITHIN COM ED RIGHT OF WAY 2

FAILURE TO COMPLETE THE WORK ON TIME 3

COMPLETION DATE PLUS WORKING DAYS 3

POROUS GRANULAR EMBANKMENT, SUBGRADE 4

RECLAIMED ASPHALT PAVEMENT FOR NON-POROUS EMBANKMENT AND BACKFILL 5

AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS 6

STORM SEWER ADJACENT TO OR CROSSING WATER MAIN 7

BACKFILLING STORM SEWER UNDER ROADWAY 7

CLEANING EXISTING DRAINAGE STRUCTURES 7

WORK ZONE TRAFFIC CONTROL (LUMP SUM PAYMENT) 8

TRAFFIC CONTROL PLAN 8

TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR 9

COARSE AGGREGATE FOR HOT-MIX ASPHALT (HMA) (DISTRICT ONE) 9

CONCRETE NOISE ABATEMENT WALLS (ABSORPTIVE AND REFLECTIVE) (DISTRICT ONE) 12

HMA MIXTURES, EGA MODIFIED PERFORMANCE GRADED (PG) ASPHALT BINDER 20

EPOXY COATING ON REINFORCEMENT (DISTRICT ONE) 21

BITUMINOUS PRIME COAT FOR HMA PAVEMENT (FULL DEPTH) (DISTRICT ONE) 21

FINE AGGREGATE FOR HOT- MIX ASPHALT (HMA) (DISTRICT ONE) 21

HOT-MIX ASPHALT MIXTURE IL-4.75 (DISTRICT ONE) 22

TEMPERATURE CONTROL FOR CONCRETE PLACEMENT (DISTRICT ONE) 24

TEMPORARY PAVEMENT 24

HOT MIX ASPHALT - PAY FOR PERFORMANCE USING PERCENT WITHIN LIMITS - PLANT SAMPLING (DISTRICT 1) 25

STONE MATRIX ASPHALT (SMA)(DIST 1) 29

USE OF RAP (DIST 1) 38

USE OF RAS (D-1) 44

EMBANKMENT I 47

RECESSED REFLECTIVE PAVEMENT MARKERS 48

TYPE III TEMPORARY TAPE FOR WET CONDITIONS 49

RAILROAD PROTECTIVE LIABILITY INSURANCE (5 AND 10) (BDE) 49

ICRR REQUIREMENTS 51

GENERAL ELECTRICAL REQUIREMENTS 59

GROUND ROD 62

MAINTENANCE OF LIGHTING SYSTEMS..... 63

LUMINAIRE..... 66

LUMINAIRE SAFETY CABLE ASSEMBLY 72

FOUNDATIONS 72

UNDERGROUND RACEWAYS..... 73

ELECTRIC UTILITY SERVICE CONNECTION (COMED)..... 73

ELECTRIC SERVICE INSTALLATION..... 74

TRENCH AND BACKFILL FOR ELECTRICAL WORK 75

UNIT DUCT 75

WIRE AND CABLE 76

TRAFFIC SIGNAL SPECIFICATIONS (DISTRICT ONE)..... 78

FULL-ACTUATED CONTROLLER AND CABINET (SPECIAL)..... 125

RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT..... 125

RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT 126

APPROACH SLAB REMOVAL 126

DECK SLAB REPAIR..... 126

TEMPORARY SHEET PILING..... 132

UNDERWATER STRUCTURE EXCAVATION PROTECTION 133

DRIVEN SOLDIER PILE RETAINING WALL 134

TEMPORARY SOIL RETENTION SYSTEM 137

BRIDGE DECK THIN POLYMER OVERLAY 138

PIPE UNDERDRAINS FOR STRUCTURES 144

POROUS GRANULAR EMBANKMENT, SPECIAL..... 145

STRUCTURAL REPAIR OF CONCRETE 145

DEMOLITION PLANS FOR REMOVAL OF EXISTING STRUCTURES..... 153

WAVE EQUATION ANALYSIS OF PILES..... 153

PILING..... 156

ROCK FILL..... 158

DUCTILE IRON WATER MAIN..... 159

WATER VALVES 159

INSERTION VALVES..... 160

LINE STOPS..... 160

FIRE HYDRANTS 160

PRESSURE CONNECTIONS..... 160

STEEL CASINGS..... 161

STEEL CASINGS JACKED IN PLACE..... 161

COARSE SAND PLACEMENT 162

COMPOST FURNISH AND PLACE 162

EROSION CONTROL BLANKET 163

GENERAL REQUIREMENTS FOR WEED CONTROL SPRAYING 163

HEAVY DUTY EROSION CONTROL BLANKET (SPECIAL)..... 165

MOWING..... 166

MOWING OF PRAIRIE AREAS..... 167

PERENNIAL PLANT CARE 167

PLANTING PERENNIAL PLANTS..... 169

PLANTING SEDGE MEADOW PLUGS AND PLANTING WETLAND PLUGS..... 171

PLANTING WOODY PLANTS..... 174

PROTECTION OF EXISTING TREES..... 178

REQUIRED INSPECTION OF WOODY PLANT MATERIAL 180

SEEDING, MESIC PRAIRIE 181

SEEDING, SEDGE MEADOW AND EMERGENT WETLAND EDGE..... 183

SEEDING, WET PRAIRIE..... 187

SEEDING, CLASS 4A (MODIFIED) – NATIVE GRASSES AND INTERSEEDING, CLASS 4A (MODIFIED) – NATIVE GRASSES..... 190

SEEDING, CLASS 4B (MODIFIED) – ROADSIDE DRAINAGE SWALE 191

SEEDING, CLASS 5 (MODIFIED) – FORBS..... 193

SELECTIVE CLEARING 195

SNAG PLACEMENT 196

SNAG SALVAGE 197

SUPPLEMENTAL WATERING..... 197

WEED CONTROL, TEASEL (POUND) 198

WEED CONTROL, NON-SELECTIVE AND NON-RESIDUAL..... 199

WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE..... 200

AGGREGATE PATH, 8"..... 201

REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES 201

BOX CULVERT END SECTION 202

ALKALI-SILICA REACTION FOR CAST-IN-PLACE CONCRETE (BDE) 202

APPROVAL OF PROPOSED BORROW AREAS, USE AREAS, AND/OR WASTE AREAS (BDE) 205

CEMENT (BDE) 205

CONCRETE ADMIXTURES (BDE) 208

CONSTRUCTION AIR QUALITY – DIESEL RETROFIT (BDE)..... 210

CONSTRUCTION AIR QUALITY - DIESEL VEHICLE EMISSIONS CONTROL (BDE) 212

CONSTRUCTION AIR QUALITY - IDLING RESTRICTIONS (BDE)..... 213

DETERMINATION OF THICKNESS (BDE)..... 214
 DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION (BDE) 224
 ENGINEER’S FIELD OFFICE TYPE A (BDE) 232
 EQUIPMENT RENTAL RATES (BDE)..... 234
 FRICTION AGGREGATE (BDE) 235
 HMA - HAULING ON PARTIALLY COMPLETED FULL-DEPTH PAVEMENT (BDE) 237
 HOT-MIX ASPHALT – ANTI-STRIPPING ADDITIVE (BDE) 238
 HOT-MIX ASPHALT - DENSITY TESTING OF LONGITUDINAL JOINTS (BDE) 239
 HOT-MIX ASPHALT – DROP-OFFS (BDE) 240
 IMPACT ATTENUATORS, TEMPORARY (BDE) 240
 LIQUIDATED DAMAGES (BDE)..... 242
 METAL HARDWARE CAST INTO CONCRETE (BDE)..... 242
 MULCH (BDE)..... 242
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM / EROSION AND SEDIMENT
 CONTROL DEFICIENCY DEDUCTION (BDE) 245
 PAVEMENT MARKING REMOVAL (BDE) 246
 PAVEMENT PATCHING (BDE) 247
 PAYMENTS TO SUBCONTRACTORS (BDE) 247
 POST MOUNTING OF SIGNS (BDE)..... 248
 PRECAST CONCRETE HANDLING HOLES (BDE) 248
 RAISED REFLECTIVE PAVEMENT MARKERS (BDE) 249
 SEEDING (BDE) 250
 SELF-CONSOLIDATING CONCRETE FOR PRECAST PRODUCTS (BDE)..... 252
 SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE) 253
 TEMPORARY EROSION CONTROL (BDE) 253
 TRAFFIC CONTROL SURVEILLANCE (BDE) 256
 BITUMINOUS MATERIALS COST ADJUSTMENTS (BDE) (RETURN FORM WITH BID) 257
 FUEL COST ADJUSTMENT (BDE) (RETURN FORM WITH BID) 260
 STEEL COST ADJUSTMENT (BDE) (RETURN FORM WITH BID) 264
 STORM WATER POLLUTION PREVENTION PLAN..... 268
 FLOODWAY CONSTRUCTION PERMIT DIS-03-2010 (WEST BRANCH DUPAGE RIVER)..... 276
 FLOODWAY CONSTRUCTION PERMIT DIS-01-2010 (FERRY CREEK) 284
 PORTLAND CEMENT CONCRETE PAVEMENT, 10” (JOINTED), SPECIAL..... 290
 PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, SPECIAL 290
 STEEL PLATE BEAM GUARD RAIL, TYPE A (SPECIAL) 290
 BOX CULVERT END SECTIONS, 6’ X 3’ 291
 TEMPORARY SIDEWALK..... 291

WOOD POST AND RAIL FENCE 291
DRAINAGE SYSTEM..... 292

Revised 01/14/2011

A 3 inch (75 mm) nominal thickness top lift of capping aggregate having a gradation of CA 6 will be required when Aggregate Subgrade is not specified in the contract and Porous Granular Embankment, Subgrade will be used under the pavement and shoulders. Capping aggregate will not be required when embankment meeting the requirements of Section 207 of the Standard Specifications or granular subbase is placed on top of the porous granular material.

Construction equipment not necessary for the completion of the replacement material will not be allowed on the undercut areas until completion of the recommended thickness of the porous granular embankment subgrade.

Full depth subgrade undercut should occur at limits determined by the Engineer. A transition slope to the full depth of undercut shall be made outside of the undercut limits at a taper of 1 foot (300 mm) longitudinal per 1 inch (25 mm) depth below the proposed subgrade or bottom of the proposed aggregate subgrade when included in the contract.

Method of Measurement. This work will be measured for payment in accordance with Article 207.04 of the Standard Specifications. When specified on the contract, the theoretical elevation of the bottom of the aggregate subgrade shall be used to determine the upper limit of Porous Granular Embankment, Subgrade. The volume will be computed by the method of average end areas.

Basis of Payment. This work shall be paid for at the contract unit price per cubic yard (cubic meter) for POROUS GRANULAR EMBANKMENT, SUBGRADE.

The Porous Granular Embankment, Subgrade shall be used as field conditions warrant at the time of construction. No adjustment in unit price will be allowed for an increase or decrease in quantities from the estimated quantities shown on the plans.

RECLAIMED ASPHALT PAVEMENT FOR NON-POROUS EMBANKMENT AND BACKFILL

Effective: April 1, 2001

Revised: January 1, 2007

Add the following sentence to Article 1004.05 (a) of the Standard Specifications:

"Reclaimed Asphalt Pavement (RAP) may be used as aggregate in Non-porous Granular Embankment and Backfill.

Revised 01/14/2011

- (a) Stockpiles and Testing. RAP stockpiles may be any of those listed in Article 1031.02, except "Other". The testing requirements of Article 1031.03 shall not apply.
- (b) Gradation. One hundred percent of the RAP material shall pass the 1 1/2 in. (37.5 mm) sieve. The RAP material shall be reasonably well graded from coarse to fine. RAP material that is gap-graded or single sized will not be accepted."

USE OF RAS (D-1)

Effective: August 15, 2010

Revised: October 25, 2010

Description. Reclaimed asphalt shingles (RAS) meeting Type I or Type 2 requirements will be permitted in HMA mixtures as specified herein for overlay applications only. RAS shall not be used in full depth HMA pavement. RAS shall be a clean and uniform material with a maximum of 0.5 percent unacceptable materials, as defined in Bureau of Materials and Physical Research Policy Memorandum 28-10.0, by weight of RAS. All RAS used shall come from a BMPR approved processing facility.

Definitions. RAS shall meet either Type I or Type 2 requirements as specified herein.

- (a) **Type I.** Type I RAS shall be processed, preconsumer asphalt shingles salvaged from the manufacture of residential asphalt roofing shingles.
- (b) **Type 2.** Type 2 RAS shall be processed post-consumer shingles only, salvaged from residential, or four unit or less dwellings not subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP).

Stockpiles. RAS shall be ground and processed to 100 percent passing the 3/8 in. sieve and 93 percent passing the #4 sieve based on a dry shake gradation. RAS shall be uniform in gradation and asphalt binder content and shall meet the testing requirements specified herein. Type 1 and Type 2 RAS shall be stockpiled separately and shall not be intermingled. Each stockpile shall be signed indicating what type of RAS is present.

Unless otherwise approved by the Engineer, mechanically blending a maximum of 5.0 percent by weight of the aggregate blend in HMA design, manufactured sand (FM20 or FM 22) with the processed RAS will be permitted to improve workability. The sand shall be "B Quality" or better from an approved Aggregate Gradation Control System source. The sand shall be accounted for in the mix design and during HMA production.

Records identifying the shingle processing facility supplying the RAS, RAS type and lot number shall be filed by Department contract number and kept for a minimum of 3 years.

Testing. RAS shall be sampled and tested during stockpiling.

For testing during stockpiling, washed extraction, G_{mm} and testing for unacceptable materials shall be run at the minimum frequency of one sample per 200 tons (180 metric tons) for the first 1000 tons (900 metric tons) and one sample per 250 tons (225 metric tons) thereafter. A minimum of five tests are required to establish an average gradation and asphalt cement content of the RAS for use in an HMA mix design. A Bulk Specific Gravity value of 2.300 shall be used for RAS when used in an HMA mix design.

Other Gravity Values maybe used in an HMA design but shall be verified by the Department.

Before testing, each field sample shall be split to obtain two samples. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall extract the other test sample according to Department procedures. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

Revised 01/14/2011

Evaluation of Test Results. All of the test results, with the exception of percent unacceptable materials, shall be compiled and averaged for asphalt binder content, gradation and G_{mm} . Individual test results, when compared to the averages, will be accepted if within the tolerances listed below.

Parameter	RAS
No. 8 (2.36 mm)	± 5 %
No. 16 (1.18 mm)	± 5 %
No. 30 (600 μm)	± 4%
No. 200 (75 μm)	± 2.0 %
Asphalt Binder Content	± 1.5 %
G_{mm}	± 0.04

If more than 20 percent of the individual sieves are out of the gradation tolerances, or if more than 20 percent of the asphalt binder content, or G_{mm} test results fall outside the specified tolerance, or if the percent unacceptable materials exceeds 0.5 percent by weight of material retained on the #4 sieve, the RAS shall not be used in Department projects. All test data and acceptance ranges shall be sent to the District for evaluation.

Use of RAS in HMA. Type 1 or Type 2 RAS may be used in All HMA Mixtures as follows:

(a) SMA and High ESAL Surface Mixes:

(1) The maximum allowable RAS usage in SMA and IL 4.75 shall be as follows:

- a. RAS shall not exceed 5.0 percent by weight of total mix.
- b. If used in conjunction with Reclaimed Asphalt Pavement (RAP) the contribution of asphalt binder from the RAS and RAP combined shall not exceed 20 percent of the total asphalt binder.

(2) The virgin asphalt binder grade shall be as follows:

Mix Type	Percent RAS/RAP Asphalt Binder Replacement			
	< 10%		10-20%	
	Type 1	Type 2	Type 1	Type 2
SMA and High ESAL Surface Mixes	No grade ^{1/} bump	No grade ^{1/} bump	Reduce high temperature by one grade ^{1/}	Reduce high temperature by one grade ^{1/}

^{1/} One asphalt binder grade bump represents a change of 6° Celsius.

b) High ESAL Binder and Leveling Binder Mixes:

(1) The maximum allowable RAS usage in HMA High ESAL Binder and Leveling Binder Mixes shall be as follows:

- a. RAS shall not exceed 5.0 percent by total weight of mix.
- b. If used in conjunction with RAP the contribution of asphalt binder from the RAS and RAP combined shall not exceed 30 percent of the total asphalt binder.

(2) Virgin asphalt binder grade shall be as follows:

Mix Type	Percent RAS/RAP Asphalt Binder Replacement			
	10-19%		20-30%	
	Type 1	Type 2	Type 1	Type 2
High ESAL Binder and Leveling Binder Mixes	No grade ^{1/} bump	Reduce high temperature by one grade ^{1/}	Reduce high & low temperature by one grade ^{1/}	Reduce high & low temperature by one grade ^{1/}

Revised 01/14/2011

- 1/ One asphalt binder grade bump represents a change of 6° Celsius.
- 2/ No grade bump necessary for percent RAS/RAP/FRAP asphalt binder replacement less than 10 percent

c) HMA Low ESAL and HMA “All Other”

- (1) The maximum allowable RAS usage in HMA Low ESAL and HMA “All Other” mixtures shall be as follows:
 - a. RAS shall not exceed 5.0 percent by total weight of mix.
 - b. If used in conjunction with RAP the contribution of asphalt binder from the RAS and RAP combined shall not exceed 40 percent of the total asphalt binder.

(2) Virgin asphalt binder grade shall be as follows:

Mix Type	Percent RAS/RAP Asphalt Binder Replacement			
	< 20%		20-40%	
	Type 1	Type 2	Type 1	Type 2
HMA Low ESAL and HMA “All Other”	No grade ^{1/} bump	Reduce low temperature by one grade ^{1/}	Reduce high & low temperature by one grade ^{1/}	Reduce high & low temperature by one grade ^{1/}

- 1/ One asphalt binder grade bump represents a change of 6° Celsius.

HMA Mix Designs. RAS and RAS/RAP designs shall be submitted for volumetric verification. Type 1 and Type 2 RAS are not interchangeable in a mix design.

HMA Production. RAS shall be incorporated into the HMA mixture either by a separate weight depletion system or by using the RAP weigh belt. Either feed system shall be interlocked with the aggregate feed or weigh system to maintain correct proportions for all rates of production and batch sizes. The portion of RAS shall be controlled accurately to within ± 0.5 percent of the amount of RAS utilized. When using the weight depletion system, flow indicators or sensing devices shall be provided and interlocked with the plant controls such that mixture production is halted when RAS flow is interrupted.

When producing HMA containing RAS, a positive dust control system shall be utilized.

HMA plants utilizing RAS shall be capable of automatically recording and printing the following information.

(a) Dryer Drum Plants.

- (1) Date, month, year, and time to the nearest minute for each print.
- (2) HMA mix number assigned by the Department.
- (3) Accumulated weight of dry aggregate (combined or individual) in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).
- (4) Accumulated dry weight of RAS in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).

Revised 01/14/2011

- (5) Accumulated mineral filler in revolutions, tons (metric tons), etc. to the nearest 0.1 unit.
- (6) Accumulated asphalt binder in gallons (liters), tons (metric tons), etc. to the nearest 0.1 unit.
- (7) Residual asphalt binder in the RAS material as a percent of the total mix to the nearest 0.1 percent.
- (8) Aggregate and RAS moisture compensators in percent as set on the control panel. (Required when accumulated or individual aggregate and RAS are printed in wet condition.)

(b) Batch Plants.

- (1) Date, month, year, and time to the nearest minute for each print.
- (2) HMA mix number assigned by the Department.
- (3) Individual virgin aggregate hot bin batch weights to the nearest pound (kilogram).
- (4) Mineral filler weight to the nearest pound (kilogram).
- (5) RAS weight to the nearest pound (kilogram).
- (6) Virgin asphalt binder weight to the nearest pound (kilogram).
- (7) Residual asphalt binder in the RAS material as a percent of the total mix to the nearest 0.1 percent.

The printouts shall be maintained in a file at the plant for a minimum of one year or as directed by the Engineer and shall be made available upon request. The printing system will be inspected by the Engineer prior to production and verified at the beginning of each construction season thereafter.”

EMBANKMENT I

Effective: January 1, 2007

Description. This work shall be according to Section 205 of the Standard Specifications except for the following.

Material. All material shall be approved by the District Geotechnical Engineer. The proposed material must meet the following requirements.

- a) The laboratory Standard Dry Density shall be a minimum of 1450 kg/cu m (90 lb/ cu ft) when determined in accordance with AASHTO T 99.
- b) The organic content shall be less than ten percent determined in accordance with AASHTO designation T 194 (Wet Combustion)
- c) Soils which demonstrate the following properties should be restricted to the interior of the embankment and shall be covered on both the sides and top of the embankment by a minimum of 900 mm (3 ft) of soil not considered detrimental in terms of erosion potential or excess volume change.
 1. A grain size distribution with less than 35 percent passing the number 75 um (#200) sieve.
 2. A plasticity index (PI) of less than 11.
 3. A liquid limit (LL) in excess of 45.
- d) Reclaimed asphalt shall not be used within the ground water table or as a fill if ground water is present.

Revised 01/14/2011

CONSTRUCTION REQUIREMENTS

Samples. Embankment material shall be sampled, tested and approved before use. The contractor shall identify embankment sources, and provide equipment as the engineer requires, for the collection of samples from those sources. samples will be furnished to the Geotechnical Engineer a minimum of three weeks prior to use in order that laboratory tests for approval and compaction can be performed.

Embankment material placement cannot begin until tests are completed and approval given.

Placing Material. In addition to Article 202.03, broken concrete, reclaimed asphalt with no expansive aggregate, or uncontaminated dirt and sand generated from construction or demolition activities shall be placed in 150 mm (6 in.) lifts and disked with the underlying lift until a uniform homogenous material is formed. This process also applies to the overlaying lifts. The disk must have a minimum of 600 mm (24 in.) diameter blade.

Compaction. Soils classification for moisture content control will be determined by the Soils Inspector using visual field examination techniques and the IDH Textural Classification Chart.

When tested for density in place each lift shall have a maximum moisture content as follows:

- a) A maximum of 110 percent of the optimum moisture for all forms of clay soils.
- b) A maximum of 105 percent of the optimum moisture for all forms of clay loam soils.

RECESSED REFLECTIVE PAVEMENT MARKERS

Description. This work shall consist of setting reflective pavement markers in a recessed groove in the pavement. The recessed pavement markers shall be used to supplement other pavement markings, similar to the use of Raised Reflective Pavement Markers.

Materials. The reflective pavement marker shall be a 3M 190 series pavement marker or Engineer approved equivalent. The reflector holder shall be a MarkerOne Series R100 reflector holder or Engineer approved equivalent. The epoxy used shall be as recommended by the pavement marker manufacturer.

Installation. Spacing and orientation of the pavement markers shall be as detailed in the plans or as directed by the Engineer.

A recessed groove shall be cut in the pavement 5.25" wide, 0.9" deep on a 15.5" diameter. An additional 4.5' long groove shall taper from 0" (normal pavement) to 0.3" depth (full-recessed). For 1-way markers heading uphill, uphill grind taper may be omitted.

The recessed area shall be cleaned free of all loose material, and dry before the placement of the pavement marker. All excess material resulting from the construction of the recessed area shall be completely removed from the surface of the roadway by means of vacuum sweeper truck. The pavement marker shall be cemented with epoxy in the center of the 0.9" deep recessed groove.

Revised 01/14/2011

PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED), SPECIAL

Description. This work shall be done in accordance with the applicable portions of Section 420 of the Standard Specifications. At locations shown on the plans, or as directed by the engineer, colored p.c. concrete with a stamped or scored finish shall be placed as pavement. In addition, the concrete shall be colored and finished as directed by the City of Warrenville. At the locations shown in the plans, the surface shall have a rough broomed finish to provide a textured surface for equestrians.

Method of Measurement. Portland cement concrete pavement will be measured for payment in place and the area computed in square yards.

Basis of Payment. This work will be paid for at the contract unit price per square yard for PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED), SPECIAL. The cost of additional forming, coloring and finishing shall be included in the cost of this item of work. The cost of additional sawcutting and removal of any newly laid hot-mix asphalt pavement will not be measured for payment but shall be included in the cost of this item of work.

PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, SPECIAL

Description. This work shall be done in accordance with the applicable portions of Section 424 of the Standard Specifications. At locations shown on the plans, or as directed by the engineer, colored p.c. concrete with a stamped or scored finish shall be placed as sidewalk. In addition, the concrete shall be colored and finished as directed by the City of Warrenville. At the locations shown in the plans, the surface shall have a rough broomed finish to provide a textured surface for equestrians.

Method of Measurement. This work will be measured for payment in place and the area computed in square feet. Curb ramps will be measured for payment as sidewalk. No deduction will be made for detectable warnings located within the ramp. Detectable warnings will be measured for payment in place and the area computed in square feet.

Basis of Payment. This work will be paid for at the contract unit price per square foot for PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, SPECIAL. The cost of additional forming, coloring and finishing shall be included in the cost of this item of work.

STEEL PLATE BEAM GUARD RAIL, TYPE A (SPECIAL)

Description. This work shall be done in accordance with the applicable portions of Section 630 of the Standard Specifications. The guard rail shall be installed in accordance with Standard 630001 except as follows:

The guard rail shall have a post spacing of 1' – 6 ¾ inches from center to center. The plates for the rail elements shall be fabricated to provide for this spacing.

Method of Measurement. This work will be measured in accordance with Article 630.07.

Added 01/14/2011

Basis of Payment. This work will be paid for at the contract unit price per foot for STEEL PLATE BEAM GUARD RAIL, TYPE A (SPECIAL). This price shall include all additional posts and hardware.

BOX CULVERT END SECTIONS, 6' X 3'

Description. This work consists of furnishing and installing precast box culvert end sections. This work shall be in accordance with Section 540 of the Standard Specifications except for the following:

The box concrete end section shall be precast to meet M273 requirements. The end sections shall be installed in accordance with article 540.06.

Method of Measurement. The box culvert end section will be measured for payment in place as each.

Basis of Payment. This work shall be paid for at the contract unit price per each for BOX CULVERT END SECTIONS, 6' x 3'.

TEMPORARY SIDEWALK

Description. This work shall consist of constructing a temporary sidewalk at the locations shown on the plans or as directed by the engineer. The temporary sidewalk shall be a minimum of 4 feet wide. Temporary Prairie Path shall be 10 feet wide.

The contractor shall use either portland cement concrete according to Section 424 of the Standard Specifications or HMA according to Sections 406 of the Standard Specifications, and other applicable HMA special provisions as contained herein. The HMA mixtures to be used shall be specified in the plans. The thickness of the Temporary Pavement shall be as described in the plans. The contractor shall have the option of constructing either material type if both portland cement concrete and HMA are shown in the plans.

The removal of the Temporary Sidewalk, if required, shall conform to Section 440 of the Standard Specifications.

Method of Measurement. Temporary Sidewalk will be measured in place and the area computed in square feet.

Basis of Payment. This work will be paid for at the contract unit price per square foot for TEMPORARY SIDEWALK. The unit price shall include removal and disposal at completion of need.

WOOD POST AND RAIL FENCE

Description. This work shall consist of furnishing and installing a wood post and rail fence in accordance with applicable portions of Section 641 of the Standard Specifications, as per the details shown on the plans and as directed by the Engineer.

Added 01/14/2011

Materials. The posts and rails shall comply with the requirements of Section 1007 of the Standard Specifications for No. 1 Dense SR 1550 F for southern pine or No. 1 Dense SR 1400 F for Douglas fir. All lumber shall be sound and free from excessive splitting or deterioration. Dimensions shown on the plans are for surfaced (S4S) lumber. All wood used for posts and rails shall be treated according to Article 1007.12, Preservative Treatment. After erection of the fence, the contractor shall apply two (2) coats of a commercially available water seal for treated lumber meeting the approval of the Engineer.

Hardware shall include all necessary fasteners and appurtenances for construction of the fence and shall be according to Article 1006.17.

Construction Requirements. The backfill for posts shall be CA 6, CA 10, or CA 12 aggregate according to Article 1004.01. Backfill shall be thoroughly compacted, meeting the approval of the Engineer.

Method of Measurement. The wood posts and rail fence will be measured for payment in feet along the top of the fence from center to center of end posts.

Basis of Payment. This work shall be paid for at the contract unit price, per foot, for WOOD POST AND RAIL FENCE, of the type and size indicated on the plans.

DRAINAGE SYSTEM

Effective : June 10, 1994

Revised: January 1, 2007

Description. This work shall consist of furnishing and installing a bridge drainage system as shown on the plans, including all piping, fittings, support brackets, inserts, bolts, and splash blocks when specified.

Material. The pipe and fittings shall be reinforced fiberglass according to ASTM D 2996 RTRP with a 30,000 psi (207 MPa) minimum short-time rupture strength hoop tensile stress. The reinforced fiberglass shall also have an apparent stiffness factor at 5 percent deflection exceeding 200 cu in.-lbf/sq. in. (22.6 cu mm-kPa) and a minimum wall thickness of 0.10 in. (2.54 mm). All pipe supports and associated hardware shall be hot dip galvanized according to AASHTO M 232 (M 232M). The fiberglass pipe and fittings furnished shall be pigmented throughout, or have a resin-rich pigmented exterior coat, specifically designed for overcoating fiberglass, as recommended by the manufacturer. The color shall be as specified by the Engineer. The resin in either case shall have an ultraviolet absorber designed to prevent ultraviolet degradation. The supplier shall certify the material supplied meets or exceeds these requirements.

Design. The drainage system shall be designed as an open system with allowances for the differential expansion and contraction expected between the superstructure and the substructure to which the drainage system is attached.

Installation. All connections of pipes and fittings shown on the plans to facilitate future removal for maintenance cleanout or flushing shall be made with a threaded, gasketed coupler or a bolted gasketed flange system. Adhesive bonded joints will be permitted for runs of pipe between such connections.

Added 01/14/2011

The end run connection shall feature a minimum nominal 6 in. (150 mm) female threaded fiberglass outlet. Straight runs may utilize a 45 degree reducing saddle bonded to the pipe. The female outlet shall be filled with a male threaded PVC plug.

Runs of pipe shall be supported at spacings not exceeding those recommended by the manufacturer of the pipe. Supports that have point contact or narrow supporting areas shall be avoided. Standard slings, clamps, clevis hangers and shoe supports designed for use with steel pipe may be used. A minimum strap width for hangers shall be 1 1/2 in. (40 mm) for all pipe under 12 in. (300 mm) in diameter and 2 in. (50 mm) for diameters 12 in. (300 mm) or greater. Straps shall have 120 degrees of contact with the pipe. Pipes supported on less than 120 degrees of contact shall have a split fiberglass pipe protective sleeve bonded in place with adhesive.

All reinforced fiberglass pipe, fittings, and expansion joints shall be handled and installed according to guidelines and procedures recommended by the manufacturer or supplier of the material.

Basis of Payment. This work will be paid for at the contract lump sum price for DRAINAGE SYSTEM.

Added 01/14/2011