



# Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

SUBJECT: FAP Route 338(IL 59)  
Project ACNHF-0338(048)  
Section (112 & 113)WRS-7  
DuPage County  
Contract No. 60R30  
Item No. 12, May 24, 2013 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 18, 79,-91 & 327-330 of the Special Provisions.
4. Added pages 474-478 to the Special Provisions.
5. Revised sheets 1, 43, 95, 133, 135, 140, 149, 151, 155, 157, 158, 160-162, 164, 165, 167, 169-171, 173, 175, 177-179, 184, 190, 193, 196-200, 203, 210, 212, 213, 221, 222, 227, 228, 232, 242, 243, 252, 254, 255, 259, 268, 271-273, 281, 314, 352, 353, & 805 of the Plans.
6. Added sheets 163A, 197A, 197B, 212A, 220A, 241A, 251A, 253A & 272A 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,

John D. Baranzelli, P. E.  
Acting Engineer of Design and Environment

A handwritten signature in black ink, appearing to read 'Ted B. Walschleger P.E.' with a small 'P.E.' to the right.

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

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

dp

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SCHEDULE OF PRICES  
 CONTRACT  
 NUMBER -

60R30

State Job # - C-91-014-10

Project Number  
ACNHF-0338/048/

Route  
FAP 338

County Name - DUPAGE - -

Code - 43 - -

District - 1 - -

Section Number - (112 & 113) WRS-7

\*\*REVISED: MAY 3, 2013

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A2000316	T-ACER MIY MOR 2	EACH	20.000				
A2002008	T-AESCU FLV YSB 2 BB	EACH	3.000				
A2002566	T-CARP CAROL SF 6'	EACH	5.000				
A2002916	T-CELTIS OCCID 2	EACH	8.000				
A2004512	T-GINKGO BIL AG 2	EACH	24.000				
A2004816	T-GLED TRI-I SK 2	EACH	39.000				
A2005015	T-GYMNOCLA DIO 8' MSF	EACH	16.000				
A2005020	T-GYMNOCLA DIO 2-1/2	EACH	27.000				
A2005256	T-LARIX LARICINA 2	EACH	6.000				
A2005516	T-NYSSA SYLVAT 2	EACH	2.000				
A2006516	T-QUERCUS BICOL 2	EACH	5.000				
A2006568	T-QUERCUS BICL CL 7'	EACH	9.000				
A2006716	T-QUERCUS MACR 2	EACH	15.000				
A2006816	T-QUERCUS MEUH 2	EACH	3.000				
A2007136	T-QUERCUS SCHUETTI 7	EACH	16.000				

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A2007218	T-R PSEU CHGO BLUE 2	EACH	10.000				
A2007616	T-TAXODIUM DIS 2	EACH	17.000				
A2007816	T-TILIA AMER 2	EACH	3.000				
A2008116	T-TILIA CORD GS 2	EACH	2.000				
A2008468	T-ULMUS AMER PRINC 2	EACH	19.000				
A2012000	T-AESCU ARNOLDIANA 2	EACH	7.000				
B2000766	T-AMEL X GF AB SF 6'	EACH	4.000				
B2001616	T-CRAT CRU-I TF 2	EACH	1.000				
B2001666	T-CRATAE CRU-I SF 6'	EACH	23.000				
B2003316	T-MALUS DW TF 2	EACH	12.000				
B2003766	T-MALUS IS CL 6'	EACH	16.000				
B2004516	T-MALUS R J TF 2	EACH	17.000				
B2004576	T-MALUS R P TF 2 1/2	EACH	9.000				
B2006116	T-SYRG PEK M TF 2	EACH	8.000				
B2006125	T-SYRG ZZ BJK TF 2	EACH	3.000				

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B2006272	T-SYRING RET B TF 2	EACH	10.000				
B2006316	T-SYRG RT IS TF 2	EACH	22.000				
B2006379	T-SYRG RET S N TF 2	EACH	5.000				
B2010070	T-CLADRASTIS KY 2	EACH	1.000				
C2C00324	S-ARONIA MELAN IB 2'C	EACH	110.000				
C2C05818	S-RHUS AROMA GRO 18C	EACH	18.000				
C2C05936	S-RHUS GLABRA 3'C	EACH	460.000				
C2000652	S-ARONIA MELAN A M 2'	EACH	67.000				
D2002484	E-PINUS FLX VWP 7'	EACH	5.000				
D2002784	E-PINUS NIGRA 7'	EACH	4.000				
E20210G1	V-PARTHEN QUIN EM 1G	EACH	780.000				
K0012990	P PL ORNAMENT T GAL P	UNIT	3.000				
K0036120	MULCH PLACEMENT 4	SQ YD	62.000				
XX003189	LIGHT UNIT INST ONLY	EACH	65.000				
XX005602	HAND DIG 0'-5' PAV'T	CU YD	25.000				

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XX005603	HAND DIG 5'-20' PAV'T	CU YD	25.000				
XX005604	HAND DIG 0'-5' UNPAVD	CU YD	25.000				
XX005605	HAND DIG 5'-20' UNPAV	CU YD	25.000				
XX005606	MACH AID DIG 0-5 PAVE	CU YD	50.000				
XX005608	MAC AID DIG 0-5 UNPAV	CU YD	50.000				
XX005612	HANDHOLE, DEH8	EACH	1.000				
XX005987	MACH AID DIG 5-20 PVT	CU YD	50.000				
XX005989	MACH AID DIG 5-20 UPA	CU YD	50.000				
XX006926	ILLUM ST NAME SIGN	EACH	18.000				
X0301423	NOISE AB WALL GRD MT	SQ FT	14,583.000				
X0321865	ANTI-GRAFFIT PROT SYS	SQ FT	9,648.000				
X0322720	CAST IRON STEPS	EACH	5.000				
X0322936	REMOV EX FLAR END SEC	EACH	17.000				
X0323818	CLN & PT EXP RE-BAR	SQ FT	3.000				
X0323898	CCTV DOME CAMERA	EACH	1.000				

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X0324085	EM VEH P S LSC 20 3C	FOOT	8,099.000				
X0324243	CCTV VIDEO CODEC	EACH	1.000				
X0324455	DRILL/SET SOLD P SOIL	CU FT	23,928.000				
X0324456	DRILL/SET SOLD P ROCK	CU FT	42.000				
X0325034	MH TA 6D W/2 T1FOL RP	EACH	1.000				
X0326461	CCTV EQPT FBR OPT DST	EACH	1.000				
X0326465	MOD EX VID DSTN SYS	L SUM	1.000				
X0327436	2-WAY 2-6 PVC DB 1X2	FOOT	1,020.000				
X0327438	4-WAY 4-6 PVC DB 2X2	FOOT	260.000				
X0327439	6-WAY 6-6 PVC DB 2X3	FOOT	1,355.000				
X0327440	8-WAY 8-6 PVC DB 3X3	FOOT	10.000				
X0327445	6WY D DRILL 6HDPE	FOOT	100.000				
X0327446	SWITCH GEAR VAULT IO	EACH	1.000				
X0327451	CONN EX SWITCH GEAR	EACH	4.000				
X0327452	ROD MANDREL	FOOT	16,000.000				

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X0327453	COUNTERPOISE UNPAVED	FOOT	600.000				
X0327454	COUNTERPOISE PAVED	FOOT	600.000				
X0327479	2WAY DIR DRL 2-6 HDPE	FOOT	165.000				
X0327572	2-WAY 2-3 PVC DB 1X2	FOOT	440.000				
X0327573	4-W 2-3 2-6 PVCDB 2X2	FOOT	320.000				
X0327574	8-W 2-3 6-6 PVCDB 3X3	FOOT	80.000				
X0327575	SS DI 30	FOOT	133.000				
X2080250	TRENCH BACKFILL SPL	CU YD	710.000				
X2500920	SEEDING CL 1A SPL	ACRE	0.500				
X2502014	SEEDING CL 4A MOD	ACRE	0.250				
X2810112	STONE RIPRAP CL A6 SP	SQ YD	22.000				
X4021000	TEMP ACCESS- PRIV ENT	EACH	2.000				
X4022000	TEMP ACCESS- COM ENT	EACH	42.000				
X4023000	TEMP ACCESS- ROAD	EACH	5.000				
X4024100	TEMP ACCESS WINTERIZE	SQ YD	5,027.000				

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X4240470	PC CONC SIDEWLK 10 SP	SQ FT	5,431.000				
X4400500	COMB C&G REMOV SPL	FOOT	640.000				
X4403800	MEDIAN SURF REMOVAL	SQ FT	62,722.000				
X4420831	CL D PATCH T3 15 SPL	SQ YD	1,350.000				
X5030221	CONCRETE ENCASEMENT	CU YD	240.000				
X5030223	FA 2 ENCASEMENT	CU YD	63.000				
X5537800	SS CLEANED 12	FOOT	513.000				
X5537900	SS CLEANED 15	FOOT	560.000				
X5538000	SS CLEANED 18	FOOT	654.000				
X5538200	SS CLEANED 24	FOOT	628.000				
X5538600	SS CLEANED 36	FOOT	765.000				
X5538700	SS CLEANED 42	FOOT	81.000				
X5538800	SS CLEANED 48	FOOT	372.000				
X5539000	SS CLEANED 60	FOOT	576.000				
**ADD X5610706	WATER MAIN REMOV 6	FOOT	50.000				



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X5610708	WATER MAIN REMOV 8	FOOT	47.000				
**ADD X5610710	WATER MAIN REMOV 10	FOOT	50.000				
X5610712	WATER MAIN REMOV 12	FOOT	401.000				
X5610748	WM LINE STOP 8	EACH	2.000				
X5610752	WM LINE STOP 12	EACH	1.000				
X5620030	WAT SER CONN 1	EACH	1.000				
X5620035	WAT SER CONN 1 1/2	EACH	1.000				
X6020090	MANOLE W/RESTRICT PLT	EACH	4.000				
X6020375	MAN TE DBL OPENING IO	EACH	2.000				
X6020385	MAN TG DBL OPENING IO	EACH	1.000				
X6021193	TEMP CATCH BASINS	EACH	10.000				
X6024875	TEMPORARY INLET	EACH	10.000				
X6026622	VV REMOVED	EACH	2.000				
X6061124	CONC MED TSB-6 SPL	SQ FT	49,920.000				
X6064200	COMB CC&G TB6.12 SPL	FOOT	6,862.000				

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X6370050	CONC BAR WALL SPL	FOOT	650.000				
X6640525	CH LK FENCE 4 ATT STR	FOOT	812.000				
X7010216	TRAF CONT & PROT SPL	L SUM	1.000				
X7030025	WET REF TEM TP T3 L&S	SQ FT	16,260.000				
X7030030	WET REF TEM TAPE T3 4	FOOT	299,332.000				
X7030040	WET REF TEM TAPE T3 6	FOOT	76,899.000				
X7030050	WET REF TEM TPE T3 12	FOOT	987.000				
X7030055	WET REF TEM TPE T3 24	FOOT	9,262.000				
X8165550	UD 4#43#10#6GXLP1.50P	FOOT	165.000				
X8250091	COMB LTG CONTROL	EACH	5.000				
X8250230	PHOTOCELL	EACH	1.000				
X8250505	LIGHT CONTROLLER SPL	EACH	1.000				
X8360120	LIGHT POLE FDN SPL	EACH	1.000				
X8570226	FAC T4 CAB SPL	EACH	5.000				
X8570231	FAC T5 CAB SPL	EACH	1.000				

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X8600105	MASTER CONTROLLER SPL	EACH	1.000				
X8620200	UNINTER POWER SUP SPL	EACH	6.000				
X8710024	FOCC62.5/125 MM12SM24	FOOT	10,761.000				
X8760055	PED P-B POST TA	EACH	10.000				
Z0004538	HMA DRIVEWAY PAVT 10	SQ YD	3,751.000				
Z0005305	BOX CUL TO BE CLEANED	FOOT	1,505.000				
Z0007118	UNTREATED TIMBER LAG	SQ FT	6,784.000				
Z0007120	WELD WIRE FAB 6X6	SQ YD	42.000				
Z0010400	CLEANING BRIDGE SEATS	SQ FT	562.000				
Z0012754	STR REP CON DP = < 5	SQ FT	20.000				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000				
Z0026404	FUR SOLDIER PILES WS	FOOT	3,180.000				
Z0030850	TEMP INFO SIGNING	SQ FT	1,553.000				
Z0033020	LUM SFTY CABLE ASMBLY	EACH	78.000				
Z0033028	MAINTAIN LIGHTING SYS	CAL MO	12.000				

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Z0033040	ELEC SVC DSCNNCT L&TS	EACH	5.000				
Z0033046	RE-OPTIMIZE SIG SYS 2	EACH	1.000				
Z0033056	OPTIM TRAF SIGNAL SYS	EACH	1.000				
Z0041900	POLY ENCASEMENT	FOOT	643.000				
Z0046304	P UNDR FOR STRUCT 4	FOOT	871.000				
Z0048665	RR PROT LIABILITY INS	L SUM	1.000				
Z0062456	TEMP PAVEMENT	SQ YD	37,796.000				
Z0062458	TEMP PAVEMT VAR DEPTH	TON	377.000				
Z0073345	SLEEPER SLAB	FOOT	3,276.000				
Z0073510	TEMP TR SIGNAL TIMING	EACH	8.000				
Z0076600	TRAINEES	HOURL	4,000.000		0.800		3,200.000
Z0076604	TRAINEES TPG	HOURL	4,000.000		10.000		40,000.000
20100110	TREE REMOV 6-15	UNIT	1,099.000				
20100210	TREE REMOV OVER 15	UNIT	298.000				
20101000	TEMPORARY FENCE	FOOT	3,584.000				

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20101200	TREE ROOT PRUNING	EACH	10.000				
20101300	TREE PRUN 1-10	EACH	73.000				
20101350	TREE PRUN OVER 10	EACH	32.000				
20200100	EARTH EXCAVATION	CU YD	76,630.000				
20201200	REM & DISP UNS MATL	CU YD	940.000				
20800150	TRENCH BACKFILL	CU YD	17,053.000				
21001000	GEOTECH FAB F/GR STAB	SQ YD	107,874.000				
21101505	TOPSOIL EXC & PLAC	CU YD	31,250.000				
21101695	TOPSOIL F & P 30	SQ YD	6,527.000				
21301060	EXPLOR TRENCH 60	FOOT	100.000				
21301072	EXPLOR TRENCH 72	FOOT	100.000				
25000210	SEEDING CL 2A	ACRE	1.250				
25000400	NITROGEN FERT NUTR	POUND	210.000				
25000600	POTASSIUM FERT NUTR	POUND	210.000				
25100115	MULCH METHOD 2	ACRE	17.750				

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25100630	EROSION CONTR BLANKET	SQ YD	6,776.000				
25200110	SODDING SALT TOLERANT	SQ YD	54,076.000				
25200200	SUPPLE WATERING	UNIT	2,433.400				
28000250	TEMP EROS CONTR SEED	POUND	1,854.000				
28000305	TEMP DITCH CHECKS	FOOT	645.000				
28000400	PERIMETER EROS BAR	FOOT	17,737.000				
28000500	INLET & PIPE PROTECT	EACH	11.000				
28000510	INLET FILTERS	EACH	698.000				
28001100	TEMP EROS CONTR BLANK	SQ YD	3,763.000				
28100707	STONE DUMP RIP CL A4	SQ YD	120.000				
28200200	FILTER FABRIC	SQ YD	120.000				
30300001	AGG SUBGRADE IMPROVE	CU YD	940.000				
30300108	AGG SUBGRADE IMPR 8	SQ YD	63,604.000				
30300112	AGG SUBGRADE IMPR 12	SQ YD	113,042.000				
31101200	SUB GRAN MAT B 4	SQ YD	63,557.000				

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40600100	BIT MATLS PR CT	GALLON	5,733.000				
40600300	AGG PR CT	TON	115.000				
40600635	LEV BIND MM N70	TON	36.000				
40600895	CONSTRUC TEST STRIP	EACH	1.000				
40600982	HMA SURF REM BUTT JT	SQ YD	36.000				
40603080	HMA BC IL-19.0 N50	TON	66.000				
40603595	P HMA SC "F" N90	TON	97.000				
40701921	HMA PAVT FD 12	SQ YD	18,912.000				
40701961	HMA PAVT FD 14	SQ YD	37,406.000				
42000506	PCC PVT 10 1/4 JOINTD	SQ YD	97,747.000				
42001300	PROTECTIVE COAT	SQ YD	139,371.000				
42300400	PCC DRIVEWAY PAVT 8	SQ YD	1,286.000				
42300600	PCC DRIVEWAY PAVT 10	SQ YD	2,859.000				
42400200	PC CONC SIDEWALK 5	SQ FT	146,881.000				
42400410	PC CONC SIDEWALK 8	SQ FT	3,400.000				

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42400800	DETECTABLE WARNINGS	SQ FT	2,124.000				
44000100	PAVEMENT REM	SQ YD	159,699.000				
44000160	HMA SURF REM 2 3/4	SQ YD	858.000				
44000200	DRIVE PAVEMENT REM	SQ YD	7,655.000				
44000300	CURB REM	FOOT	322.000				
44000500	COMB CURB GUTTER REM	FOOT	51,326.000				
44000600	SIDEWALK REM	SQ FT	81,042.000				
44003100	MEDIAN REMOVAL	SQ FT	19,311.000				
44201297	DOWEL BARS 1	EACH	9.000				
44300100	AREA REF CR CON TREAT	SQ YD	858.000				
48101620	AGGREGATE SHLDS B 10	SQ YD	228.000				
50100300	REM EXIST STRUCT N1	EACH	1.000				
50100400	REM EXIST STRUCT N2	EACH	1.000				
50100500	REM EXIST STRUCT N3	EACH	1.000				
50100600	REM EXIST STRUCT N4	EACH	1.000				



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50100700	REM EXIST STRUCT N5	EACH	1.000				
50104400	CONC HDWL REM	EACH	2.000				
50105220	PIPE CULVERT REMOV	FOOT	318.000				
50200100	STRUCTURE EXCAVATION	CU YD	1,187.000				
50300225	CONC STRUCT	CU YD	428.400				
50300285	FORM LINER TEX SURF	SQ FT	5,421.000				
50500505	STUD SHEAR CONNECTORS	EACH	1,098.000				
50800205	REINF BARS, EPOXY CTD	POUND	52,710.000				
50901750	PARAPET RAILING	FOOT	656.000				
51500100	NAME PLATES	EACH	1.000				
54002020	EXPAN BOLTS 3/4	EACH	18.000				
54010804	PCBC 8X4	FOOT	746.000				
54010805	PCBC 8X5	FOOT	730.000				
5421C012	P CUL CL C 1 12 TEMP	FOOT	985.000				
54260311	TRAVERS PIPE GRATE	FOOT	77.000				

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54261324	CONC ES 542001 24 1:3	EACH	2.000				
54261336	CONC ES 542001 36 1:3	EACH	1.000				
54261348	CONC ES 542001 48 1:3	EACH	1.000				
54261430	CONC ES 542001 30 1:4	EACH	1.000				
54261436	CONC ES 542001 36 1:4	EACH	1.000				
550A0050	STORM SEW CL A 1 12	FOOT	1,278.000				
550A0070	STORM SEW CL A 1 15	FOOT	130.000				
550A0090	STORM SEW CL A 1 18	FOOT	9.000				
550A0120	STORM SEW CL A 1 24	FOOT	268.000				
550A0140	STORM SEW CL A 1 30	FOOT	139.000				
550A0160	STORM SEW CL A 1 36	FOOT	67.000				
550A0190	STORM SEW CL A 1 48	FOOT	164.000				
550A0340	STORM SEW CL A 2 12	FOOT	10,801.000				
550A0360	STORM SEW CL A 2 15	FOOT	2,304.000				
550A0380	STORM SEW CL A 2 18	FOOT	1,939.000				

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550A0410	STORM SEW CL A 2 24	FOOT	1,769.000				
550A0430	STORM SEW CL A 2 30	FOOT	1,224.000				
550A0450	STORM SEW CL A 2 36	FOOT	914.000				
550A0480	STORM SEW CL A 2 48	FOOT	907.000				
550A0500	STORM SEW CL A 2 60	FOOT	1,298.000				
550A0710	STORM SEW CL A 3 24	FOOT	104.000				
550A2320	SS RG CL A 1 12	FOOT	270.000				
550A2360	SS RG CL A 1 24	FOOT	283.000				
550A2520	SS RG CL A 2 12	FOOT	1,535.000				
550A2530	SS RG CL A 2 15	FOOT	353.000				
550A2540	SS RG CL A 2 18	FOOT	383.000				
550A4710	SS CL A 1 EQRS 48	FOOT	213.000				
550A5510	SS CL A 2 EQRS 48	FOOT	850.000				
550A5530	SS CL A 2 EQRS 60	FOOT	236.000				
55100300	STORM SEWER REM 8	FOOT	26.000				

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55100400	STORM SEWER REM 10	FOOT	260.000				
55100500	STORM SEWER REM 12	FOOT	10,624.000				
55100700	STORM SEWER REM 15	FOOT	2,877.000				
55100900	STORM SEWER REM 18	FOOT	2,621.000				
55101100	STORM SEWER REM 21	FOOT	195.000				
55101200	STORM SEWER REM 24	FOOT	1,327.000				
55101300	STORM SEWER REM 27	FOOT	116.000				
55101400	STORM SEWER REM 30	FOOT	1,728.000				
55101600	STORM SEWER REM 36	FOOT	2,155.000				
55101800	STORM SEWER REM 42	FOOT	1,481.000				
55101900	STORM SEWER REM 48	FOOT	69.000				
56100050	DI WAT MN TEE, 12X 6	EACH	2.000				
56100055	DI WAT MN TEE, 12X 8	EACH	1.000				
56100065	DI WAT MN TEE, 12X12	EACH	1.000				
56101160	DI WAT MN RED, 12 X 8	EACH	1.000				

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56103000	D I WATER MAIN 6	FOOT	7.000				
56103100	D I WATER MAIN 8	FOOT	112.000				
56103300	D I WATER MAIN 12	FOOT	476.000				
56105000	WATER VALVES 8	EACH	2.000				
56105200	WATER VALVES 12	EACH	1.000				
56106400	ADJ WATER MAIN 8	FOOT	50.000				
56106600	ADJ WATER MAIN 12	FOOT	250.000				
56106700	ADJ WATER MAIN 16	FOOT	150.000				
56109412	DI WT MNF 12 22.50 DB	EACH	5.000				
56109424	DI WT MNF 12 45.0 DB	EACH	1.000				
56109434	DI WT MNF 8 90.0 DB	EACH	3.000				
56109438	DI WT MNF 12 90.0 DB	EACH	3.000				
56200300	WATER SERV LINE 1	FOOT	40.000				
56200500	WATER SERV LINE 1 1/2	FOOT	40.000				
56400100	FIRE HYDNTS TO BE MVD	EACH	5.000				

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56400400	FIRE HYDNNTS RELOCATED	EACH	5.000				
56400500	FIRE HYDNNTS TO BE REM	EACH	1.000				
56400820	FIRE HYD W/AUX V & VB	EACH	2.000				
56500600	DOM WAT SER BOX ADJ	EACH	4.000				
58700300	CONCRETE SEALER	SQ FT	8,243.000				
59000200	EPOXY CRACK INJECTION	FOOT	134.000				
59100100	GEOCOMPOSITE WALL DR	SQ YD	567.000				
60109510	P UNDR FAB LINE TR 4	FOOT	14,847.000				
60200105	CB TA 4 DIA T1F OL	EACH	8.000				
60200805	CB TA 4 DIA T8G	EACH	13.000				
60201110	CB TA 4 DIA T11V F&G	EACH	61.000				
60201340	CB TA 4 DIA T24F&G	EACH	226.000				
60218400	MAN TA 4 DIA T1F CL	EACH	118.000				
60221100	MAN TA 5 DIA T1F CL	EACH	23.000				
60223800	MAN TA 6 DIA T1F CL	EACH	26.000				

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60224459	MAN TA 8 DIA T1F CL	EACH	3.000				
60224469	MAN TA 9 DIA T1F CL	EACH	14.000				
60234200	INLETS TA T1F OL	EACH	1.000				
60236200	INLETS TA T8G	EACH	3.000				
60236825	INLETS TA T11V F&G	EACH	9.000				
60237470	INLETS TA T24F&G	EACH	89.000				
60240210	INLETS TB T1F OL	EACH	2.000				
60240312	INLETS TB T11V F&G	EACH	2.000				
60240328	INLETS TB T24F&G	EACH	21.000				
60248700	VV TA 4 DIA T1F CL	EACH	3.000				
60250200	CB ADJUST	EACH	10.000				
60255500	MAN ADJUST	EACH	63.000				
60260100	INLETS ADJUST	EACH	3.000				
60406000	FR & LIDS T1 OL	EACH	1.000				
60500040	REMOV MANHOLES	EACH	76.000				

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60500050	REMOV CATCH BAS	EACH	181.000				
60500060	REMOV INLETS	EACH	136.000				
60500070	REMOV MAN - MAIN FLOW	EACH	3.000				
60500080	REMOV CB - MAIN FLOW	EACH	8.000				
60500090	REM INLET- MAIN FLOW	EACH	7.000				
60600605	CONC CURB TB	FOOT	458.000				
60602800	CONC GUTTER TB	FOOT	606.000				
60603800	COMB CC&G TB6.12	FOOT	7,471.000				
60604300	COMB CC&G TB6.12 VWGF	FOOT	250.000				
60605000	COMB CC&G TB6.24	FOOT	32,798.000				
60608600	COMB CC&G TM6.06	FOOT	411.000				
60609100	COMB CC&G TM6.06 VWGF	FOOT	283.000				
60610400	COMB CC&G TM6.24	FOOT	323.000				
60618300	CONC MEDIAN SURF 4	SQ FT	3,420.000				
60619600	CONC MED TSB6.12	SQ FT	1,582.000				



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60620000	CONC MED TSB6.24	SQ FT	8,373.000				
60900515	CONC THRUST BLOCKS	EACH	18.000				
63000001	SPBGR TY A 6FT POSTS	FOOT	150.000				
63100045	TRAF BAR TERM T2	EACH	1.000				
63100085	TRAF BAR TERM T6	EACH	1.000				
63100167	TR BAR TRM T1 SPL TAN	EACH	2.000				
63200310	GUARDRAIL REMOV	FOOT	772.000				
63301990	REM RE-E T B TERM T1	EACH	1.000				
63302700	REM RE-E T B TERM T6	EACH	1.000				
63700900	CONC BARRIER BASE	FOOT	650.000				
64300900	IMP ATTEN SU WID TL2	EACH	2.000				
66400105	CH LK FENCE 4	FOOT	86.000				
66900200	NON SPL WASTE DISPOSL	CU YD	19,400.000				
66900450	SPL WASTE PLNS/REPORT	L SUM	1.000				
66900530	SOIL DISPOSAL ANALY	EACH	7.000				

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66901000	BACKFILL PLUGS	CU YD	120.000				
67100100	MOBILIZATION	L SUM	1.000				
70103815	TR CONT SURVEILLANCE	CAL DA	744.000				
70106800	CHANGEABLE MESSAGE SN	CAL MO	242.000				
70300210	TEMP PVT MK LTR & SYM	SQ FT	2,709.000				
70300220	TEMP PVT MK LINE 4	FOOT	92,269.000				
70300240	TEMP PVT MK LINE 6	FOOT	12,686.000				
70300250	TEMP PVT MK LINE 8	FOOT	732.000				
70300260	TEMP PVT MK LINE 12	FOOT	349.000				
70300280	TEMP PVT MK LINE 24	FOOT	1,133.000				
70301000	WORK ZONE PAVT MK REM	SQ FT	173,998.000				
70400100	TEMP CONC BARRIER	FOOT	1,313.000				
70400200	REL TEMP CONC BARRIER	FOOT	1,000.000				
70600240	IMP ATTN TEMP NRD TL2	EACH	1.000				
70600255	IMP ATTN TEMP FRN TL2	EACH	3.000				

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70600322	IMP ATTN REL FRN TL2	EACH	1.000				
70600340	IMP ATTN REL NRD TL2	EACH	1.000				
72000100	SIGN PANEL T1	SQ FT	2,348.000				
72000200	SIGN PANEL T2	SQ FT	204.000				
72400100	REMOV SIN PAN ASSY TA	EACH	17.000				
72400200	REMOV SIN PAN ASSY TB	EACH	57.000				
72400310	REMOV SIGN PANEL T1	SQ FT	453.000				
72400320	REMOV SIGN PANEL T2	SQ FT	50.000				
72400500	RELOC SIN PAN ASSY TA	EACH	7.000				
72400600	RELOC SIN PAN ASSY TB	EACH	6.000				
72400710	RELOC SIGN PANEL T1	SQ FT	35.000				
72400720	RELOC SIGN PANEL T2	SQ FT	12.000				
72800100	TELES STL SIN SUPPORT	FOOT	3,393.000				
78000100	THPL PVT MK LTR & SYM	SQ FT	2,709.000				
78000200	THPL PVT MK LINE 4	FOOT	18,760.000				

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78000400	THPL PVT MK LINE 6	FOOT	11,060.000				
78000500	THPL PVT MK LINE 8	FOOT	259.000				
78000600	THPL PVT MK LINE 12	FOOT	659.000				
78000650	THPL PVT MK LINE 24	FOOT	861.000				
78007100	PERM PVT MK LTR-SYM	SQ FT	2,454.000				
78007110	PERM PVT MK - LINE 4	FOOT	62,206.000				
78007130	PERM PVT MK - LINE 6	FOOT	11,071.000				
78007150	PERM PVT MK - LINE 12	FOOT	349.000				
78007180	PERM PVT MK - LINE 24	FOOT	1,101.000				
78008200	POLYUREA PM T1 LTR-SY	SQ FT	3,120.000				
78008210	POLYUREA PM T1 LN 4	FOOT	9,989.000				
78008230	POLYUREA PM T1 LN 6	FOOT	19,964.000				
78008240	POLYUREA PM T1 LN 8	FOOT	2,351.000				
78008250	POLYUREA PM T1 LN 12	FOOT	4,323.000				
78008270	POLYUREA PM T1 LN 24	FOOT	1,721.000				

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78100100	RAISED REFL PAVT MKR	EACH	2,031.000				
78100200	TEMP RAIS REF PVT MKR	EACH	2,512.000				
78200410	GUARDRAIL MKR TYPE A	EACH	12.000				
78200530	BAR WALL MKR TYPE C	EACH	174.000				
78201000	TERMINAL MARKER - DA	EACH	2.000				
78300100	PAVT MARKING REMOVAL	SQ FT	34,182.000				
78300200	RAISED REF PVT MK REM	EACH	939.000				
80400100	ELECT SERV INSTALL	EACH	1.000				
80400200	ELECT UTIL SERV CONN	L SUM	1.000		111,900.000		111,900.000
80500010	SERV INSTALL GRND MT	EACH	5.000				
81028200	UNDRGRD C GALVS 2	FOOT	18,373.000				
81028210	UNDRGRD C GALVS 2 1/2	FOOT	445.000				
81028220	UNDRGRD C GALVS 3	FOOT	285.000				
81028230	UNDRGRD C GALVS 3 1/2	FOOT	133.000				
81028240	UNDRGRD C GALVS 4	FOOT	5,179.000				

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81100605	CON AT ST 2 PVC GALVS	FOOT	145.000				
81100805	CON AT ST 3 PVC GALVS	FOOT	169.000				
81300530	JUN BX SS AS 12X10X6	EACH	4.000				
81300550	JUN BX SS AS 12X12X6	EACH	4.000				
81400100	HANDHOLE	EACH	43.000				
81400200	HD HANDHOLE	EACH	21.000				
81400300	DBL HANDHOLE	EACH	17.000				
81603000	UD 2#8 #8G XLP USE 3/4	FOOT	1,088.000				
81603094	UD 4#8#8G XLP USE .75P	FOOT	1,338.000				
81603100	UD 4#6#6G XLP USE 1 1/4	FOOT	10,415.000				
81603110	UD 4#4#6G XLP USE 1 1/2	FOOT	16,938.000				
81683541	UD 8#4#6G XLP USE 1.50P	FOOT	967.000				
81702110	EC C XLP USE 1C 10	FOOT	76.000				
81702130	EC C XLP USE 1C 6	FOOT	180.000				
81702140	EC C XLP USE 1C 4	FOOT	540.000				

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81702431	EC C XLP 3-1C#8 1C#8G	FOOT	237.000				
82102400	LUM SV HOR MT 400W	EACH	80.000				
82107100	UNDERPAS LUM 70W HPS	EACH	4.000				
83008500	LT P A 40MH 12MA	EACH	2.000				
83050800	LT P A 47.5MH 12MA	EACH	44.000				
83050900	LT P A 47.5MH 2-12MA	EACH	5.000				
83600200	LIGHT POLE FDN 24D	FOOT	1,035.000				
83800205	BKWY DEV TR B 15BC	EACH	50.000				
84200500	REM LT UNIT SALV	EACH	69.000				
84200804	REM POLE FDN	EACH	69.000				
85000200	MAIN EX TR SIG INSTAL	EACH	2.000				
86400100	TRANSCEIVER - FIB OPT	EACH	7.000				
87100020	FOCC62.5/125 MM12SM12	FOOT	853.000				
87300925	ELCBL C TRACER 14 1C	FOOT	11,614.000				
87301215	ELCBL C SIGNAL 14 2C	FOOT	14,381.000				

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87301225	ELCBL C SIGNAL 14 3C	FOOT	24,352.000				
87301245	ELCBL C SIGNAL 14 5C	FOOT	23,999.000				
87301255	ELCBL C SIGNAL 14 7C	FOOT	15,874.000				
87301305	ELCBL C LEAD 14 1PR	FOOT	32,599.000				
87301800	ELCBL C SERV 4 2C	FOOT	504.000				
87301805	ELCBL C SERV 6 2C	FOOT	257.000				
87301900	ELCBL C EGRDC 6 1C	FOOT	7,774.000				
87502500	TS POST GALVS 16	EACH	12.000				
87502520	TS POST GALVS 18	EACH	1.000				
87700400	S MAA & P 60	EACH	1.000				
87702960	STL COMB MAA&P 46	EACH	1.000				
87702970	STL COMB MAA&P 48	EACH	2.000				
87702980	STL COMB MAA&P 50	EACH	2.000				
87703010	STL COMB MAA&P 56	EACH	2.000				
87703030	STL COMB MAA&P 60	EACH	1.000				



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87704314	S C MAA&P DMA 22 & 50	EACH	1.000				
87704337	S C MAA&P DMA 24 & 66	EACH	1.000				
87704339	S C MAA&P DMA 28 & 48	EACH	1.000				
87704341	S C MAA&P DMA 28 & 50	EACH	1.000				
87704343	S C MAA&P DMA 28 & 52	EACH	1.000				
87704344	S C MAA&P DMA 28 & 60	EACH	1.000				
87704347	S C MAA&P DMA 26 & 50	EACH	1.000				
87704348	S C MAA&P DMA 26 & 52	EACH	1.000				
87704349	S C MAA&P DMA 26 & 54	EACH	1.000				
87704353	S C MAA&P DMA 30 & 56	EACH	1.000				
87704354	S C MAA&P DMA 30 & 58	EACH	1.000				
87704512	S C MAA&P DMA 48 & 22	EACH	1.000				
87704537	S C MAA&P DMA 52 & 16	EACH	1.000				
87704549	S C MAA&P DMA 54 & 36	EACH	1.000				
87800100	CONC FDN TY A	FOOT	116.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SCHEDULE OF PRICES  
 CONTRACT  
 NUMBER -

60R30

State Job # - C-91-014-10

County Name - DUPAGE - -

Code - 43 - -

District - 1 - -

Section Number - (112 & 113) WRS-7

Project Number  
 ACNHF-0338/048/

Route  
 FAP 338

\*\*REVISED: MAY 3, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
87800150	CONC FDN TY C	FOOT	24.000				
87800415	CONC FDN TY E 36D	FOOT	211.000				
87800420	CONC FDN TY E 42D	FOOT	172.000				
87900200	DRILL EX HANDHOLE	EACH	5.000				
88030020	SH LED 1F 3S MAM	EACH	72.000				
88030050	SH LED 1F 3S BM	EACH	1.000				
88030100	SH LED 1F 5S BM	EACH	11.000				
88030110	SH LED 1F 5S MAM	EACH	39.000				
88030220	SH LED 2F 5S BM	EACH	1.000				
88030240	SH LED 2F 1-3 1-5 BM	EACH	6.000				
88102717	PED SH LED 1F BM CDT	EACH	18.000				
88102747	PED SH LED 2F BM CDT	EACH	10.000				
88102757	PED SH LED 3F BM CDT	EACH	10.000				
88200210	TS BACKPLATE LOU ALUM	EACH	111.000				
88500100	INDUCTIVE LOOP DETECT	EACH	100.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 SCHEDULE OF PRICES  
 CONTRACT  
 NUMBER -

60R30

State Job # - C-91-014-10

County Name - DUPAGE - -

Code - 43 - -

District - 1 - -

Section Number - (112 & 113) WRS-7

Project Number  
 ACNHF-0338/048/

Route  
 FAP 338

\*\*REVISED: MAY 3, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
88600100	DET LOOP T1	FOOT	1,511.000				
88600700	PREFORM DETECT LOOP	FOOT	6,207.000				
88700200	LIGHT DETECTOR	EACH	22.000				
88700300	LIGHT DETECTOR AMP	EACH	6.000				
88800100	PED PUSH-BUTTON	EACH	58.000				
89000100	TEMP TR SIG INSTALL	EACH	8.000				
89502300	REM ELCBL FR CON	FOOT	2,939.000				
89502375	REMOV EX TS EQUIP	EACH	6.000				
89502380	REMOV EX HANDHOLE	EACH	81.000				
89502385	REMOV EX CONC FDN	EACH	50.000				

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- Station 98+00 to Station 98+70 0 to 100 feet LT (White Castle, 444 IL 59, Site 1496V2-111). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: manganese.
- Station 404+20 to Station 406+30 0 to 100 feet RT (Delta Sonic, 1780 Aurora Road, Site 1496V2-66). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Manganese.

Backfill pugs shall be place within the following locations.

- Station 101+50 to Station 102+80 0 to 100 feet RT (Strip Mall, 606-612 IL 59, Site 1496V2-118).
- Station 102+80 to Station 103+80 0 to 100 feet RT (Strip Mall, 618 IL 59, Site 1496V2-119).
- Station 3907+30 to Station 3909+50 0 to 100 feet LT (White Castle, 444 IL 59, Site 1496V2-111).
- Station 407+70 to Station 412+50 0 to 80 feet RT (Illinois Brick Company, 1760 Aurora Road, Site 1496V2-68).

## **PROTECTION OF EXISTING DRAINAGE FACILITIES DURING CONSTRUCTION**

Unless otherwise noted in the contract plans, the existing drainage facilities shall remain in use during the period of construction.

Locations of existing drainage structures and sewers as shown on the contract plans are approximate. Prior to commencement of work, the Contractor, at his own expense, shall determine the exact location of existing structures that are within the proposed construction site.

All drainage structures are to be kept free from any debris resulting from construction operations. All work and materials necessary to prevent accumulation of debris in the drainage structures will be considered as included in the cost of the associated drainage pay items of the contract. Any accumulation of debris in the drainage structure resulting from construction operations shall be removed at the Contractor's own expense, and no extra compensation will be allowed.

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**GENERAL CONDITIONS FOR THE CITY OF NAPERVILLE ELECTRIC DUCT BANK WORK**

This project includes the installation of approximately 24,000 lineal feet of 6" diameter, and approximately 900 feet of 3" diameter Schedule 40 PVC conduit in concrete/FA-2 encased duct bank, manholes, Switch Gear Vaults, transformer vaults, fuse module vaults, landscape restoration, field documentation, and miscellaneous items from North Aurora Avenue, to Jefferson Avenue. For a complete job, see City of Naperville Electric Construction drawings, Details, and Standards.

The Contractor is to provide all labor and materials required to modify, and install, any underground conduit system, electric manholes, switch gear vaults, fuse module vaults, transformer vaults and pedestals.

The Contractor will also provide excavation, backfilling, labor and equipment required for a complete job.

The Contractor is to consider parts or all of alleys, roads, easements, and drive way entrances that are in the City of Naperville, as being the right-of-way.

The Contractor is to provide restoration and to maintain all temporary facilities, and existing services.

The Contractor is responsible for transferring, relocating existing facilities, support and protection of existing facilities to complete this project as needed. This work is considered part of the project and no extra compensation will be given.

The Contractor's personnel shall be trained in confined space entry, tag in – tag out procedures and be qualified to work on, near or around 12kV to 138kV overhead facilities or 12kV to 34.5kV underground facilities. All employees shall be O.S.H.A trained in live line work.

Materials supplied by the City of Naperville and installed by the Contractor are those necessary to install the concrete/FA-2 encased duct bank system, and vaults and include, but are not limited to: 3", 6" diameter PVC conduit, 3", 6" steel/fiber glass or PVC bends, switch gear vaults, transformer vaults, fuse module vaults, riser attachments, top, bottom and intermediate spacers, couplings, warning tape, glue, detectable tape, manhole grounding system, switch gear grounding system, solvent cement, marker balls, plugs, p-line, pre-cast concrete manholes, concrete adjusting rings, frames and covers.

**Field Documentation - Construction Layout:** The Contractor shall obtain and direct the services of a land surveying company to perform the construction layout and documentation of all work performed.

The work is to be measured and field documented and shall show the relocation of DPU-E facilities to the neat line as shown on the drawings by the open cut trench method, plus vaults and manholes.

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The surveyor is required to establish and label the limits of the rights of way, limits of the easements, limits of excavation, property lines, stationing, and elevations. The surveyor is to locate the center of duct runs, provide and label stakes every 50 feet along the conduit route as shown in the construction drawings.

Wooden stakes shall be driven at a minimum of 50-foot intervals and/or at a sufficient number of locations to give the Contractor a construction line and grade to follow for relocation of DPU-E facilities, and stay within the limits of the rights-of-way and/or easement.

The surveyor shall record the location of all new facilities as being installed and measure distances from the established right of way lines, this includes trench widths, depths, and lengths, manholes, transformer vaults, fuse module vaults, and switch gear vaults.

The surveyor will provide elevations, prepare profile of trench bottom with stationing, offsets, and angles. The surveyor will monitor the progress of the work to ensure the conduit duct bank stays within limits of the rights-of-way and/or easements, and will verify that the conduit run does not exceed 235 degrees of bends in 750 feet.

All fences, monuments, curb and gutter and obstructions shall be identified and recorded showing all measurements to the new duct and relative position on the right of way.

The surveyor on a plan view shall measure on a straight line, from point to point.

The surveyor shall measure, identify, and record all installed lengths of conduit to the nearest tenth of an inch. This will include measurements from transformer vault to transformer vault, from transformer vault, to switchgear vault, from switch gear vault to face of manhole, and from face of manhole to face of manhole, and etc.

All vaults and manholes shall be centered and the perimeter staked to allow for the installation of the new conduit directly into the vault.

All excavations shall be dimensioned, provide line and grade, elevations top and bottom of excavation based on a bench mark, and provide depth of digging. Excavation will be identified and tied into existing streets, monuments, right of way lines, and home addresses.

This Information is required for each and every excavation, which includes calculated volumes dimensions of all pits, vaults, trenches and other excavations required to perform the work.

A field book record including the information above plus showing, the day, dates and what type and quantity of work was performed shall be furnished to the City of Naperville DPU-Electric upon completion of the work.

**Sequence of Work:** The Contractor is advised the Work may not be performed in a guaranteed sequence to the liking of the Contractor. There is no guaranteed number of vaults, handholes, manholes, risers, or feet of conduit or cable to be installed, removed or supported.

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The Contractor shall be required to move to meet customer requests, weather conditions, street improvements, utility conflicts, sewer requirements, and etc.

The information received by the Contractor at the beginning of this project is the best available at the time, and is subject to change.

The Contractor is advised other work may be planned or is under construction at the site due to utility system failures or upgrade, and road improvements. Therefore other contractors may be in the area performing various types of work for other utility companies or road improvements.

Also, the Contractor is to be aware of truck drivers making deliveries to the various commercial properties.

The Contractor shall make arrangements with other contractors in the area to coordinate, reschedule, and make accommodations, for all work, at no additional cost to the Contract.

The Information of other scheduled work may be obtained from permits by IDOT, City of Naperville Department of Transportation Engineering and Development, or the City of Naperville Department of Public Utilities – Water/Waste Water.

The Contractor's time table is based on their ability to inform the Engineer, and the property Owner's (renters) of the proposed work in addition to the work schedule.

Upon completion of Work, the Contractor is to perform the restoration of the properties to the same or better condition, in a satisfactory time frame.

**Changes in Work:** The City of Naperville shall have the right to make any changes to the contracted work. The quantities of items included in the Contract shall be increased or decreased accordingly for any changes in the work. If there are no items included in the Contract which cover the changes in work, the Contractor shall be compensated in accordance with Section 109.04 of the Standard Specifications.

**Utilities:** Every reasonable effort has been made to locate subsurface obstructions from available records, as shown on the plans. The Contractor will call Joint Utility Locating Information for Excavations (J.U.L.I.E.) at Tel: 1 (800) 892-0123, prior to any excavation. The Contractor is advised that not all utilities are a member of J.U.L.I.E. Therefore the Contractor must contact all agencies concerning utility locations.

The Contractor shall be solely responsible for exact location of and avoiding all utilities.

The Contractor shall, in advance of excavating, or trenching, will determine the exact location of existing utilities and underground structures to avoid delays and problems with the installation of duct banks or conduit alignments. The Contractor shall perform this work by prospecting, pot holing, and hand digging, no later than two (2) workdays prior to any scheduled excavation. No additional compensation will be paid for any delay due to locating or missed locates.

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The Contractor will take all precautions against damaging existing utilities. However, in the event of damage to an existing utility, the Contractor will immediately notify the responsible official(s) of the organization operating the damaged utility. The Contractor shall also notify the Engineer.

The Contractor will then lend all possible assistance in restoring service and will assume all cost, charges, or claims connected with the interruption and repair of such damage.

The Contractor's crew(s) shall remain on site until the service is restored or is relieved by another crew. The Contractor shall locate all damaged, utilities by excavating.

In the excavation and installation of duct banks, conduit runs, transformer/fuse module/switch gear vaults and manholes, all existing utilities, including water pipes, sewer pipes, gas pipes, oil lines, vaults, poles, riser, electric transmission lines, conduits, telephone pole lines, conduits, T.V. cables, service connections, etc., will be protected, supported and maintained in service and restored to the condition in which they were found.

The Contractor will not be paid for expenses incurred for locating and supporting existing facilities as required for the construction of duct banks and/or manholes. This work shall be considered included in the Contract unit price for the items being installed. Also the Department and the City of Naperville Department of Public Utilities – Electric will not be responsible for delays due to locating utilities, the adjustment of the proposed electrical duct work to avoid conflicts with existing utilities or any other obstructions or the relocation of existing utilities.

The Contractor is advised energized overhead lines (distribution and transmission) will be in the work area. They will remain energized for the duration of the project. Contractor will work around lines and any costs incurred by doing so, are included in the cost of the various items of work. The Contractor's personnel shall be trained to work around underground cable or overhead conductor per O.S.H.A regulations.

**Facilities Provided on Site by the Contractor:** The Contractor shall supply a sufficient number of ground resistance testers for testing grounds at each switch vault, manhole, and handhole location. (AEMC testers) Testing equipment can be purchased by the Contractor from Mitchell Instrument Company model# C43730, phone # 800-270-2690. This model should be used for fall potential method or clamp on method.

**Rod and Mandrel:** The Contractor shall provide metal or wooden mandrel's of sufficient numbers, sizes, and shapes to fit all the conduit sizes and conduit types on this project.

Contractor to review the material sheets provided in the drawings by the City of Naperville: The Contractor shall supply all materials not supplied by the City of Naperville that is required for a complete job. All material costs are included in pricing for each bid item.

The City of Naperville furnished materials will be loaded, transported and unloaded by the Contractor, from the City warehouse at 1392 Aurora Avenue, to the job site.

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Pre-cast concrete manhole sections will be delivered to the site by the City of Naperville's supplier. The Contractor shall be responsible for scheduling delivery time and locations with the City of Naperville's supplier. All equipment and labor associated with unloading the pre-cast concrete manhole sections will be the responsibility of the Contractor.

The Contractor will properly store and protect all materials on site. Any miscellaneous materials not supplied by the City, but necessary to complete the work as shown on the Plans, as directed by the Engineer, or as specified herein, will be supplied by the Contractor and considered included in the cost of the various items of work. Materials issued by the City but not used in the course of the job shall be promptly returned to the City.

The Contractor shall notify the Engineer and the City of Naperville in writing, before commencement of work, any material shortages required to complete the project. No claims for extra compensation will be considered for cost incurred because of lack of adequate materials. (See attached drawings)

Failure by the Contractor to inventory the materials prior to the start of work, and inform the Engineer and the City of Naperville's Project Engineer in writing of discrepancies, will indicate to the Engineer and the City of Naperville's Project Engineer that all materials are correct in size, quantity, and type, to finish all the work required for a completed project.

The Contractor is responsible for obtaining permission from the City of Naperville's Engineer for proposed temporary outages of the Electrical system prior to entering City of Naperville facilities. (72 to 96 hours in advance)

Contractor shall prepare a schedule of all activities for electrical work within 10 days after the award of this project and noticed to proceed has been given, for approval by the Engineer and the City of Naperville.

The Contractor will not be allowed inside the stockyard without being accompanied by warehouse personnel.

The Contractor shall apply for material pick-up, once the WF# of the project is issued to warehouse employees.

Material pick-up will only be allowed between Mondays – Friday from 7:00 A.M. to 3:00 P.M. No Saturday or Sunday pick-up will be allowed.

The warehouse is closed daily from 12:00 P.M. to 1:00 P.M. Between 7:00 A.M. and 8:00 A.M., on the last 3 days of April for inventory.

Public utility crews will be loaded first. After they are loaded material will be released on a first come first serve basis.

Material will not be loaded on trucks or trailers without proper restraints to secure materials for public safety on the roadways. Warehouse will not supply straps or restraints.

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There will be no additional cost to the Contract because of the rules set up to obtain material from the warehouse.

The Contractor shall document and verify the quality, quantity, and type of all materials supplied by the City of Naperville and its suppliers. Material taken off site of the City of Naperville's Warehouse or its suppliers store houses by the Contractor will be deemed to be acceptable and any damage of these materials found at time of installation will be considered neglect of the material by the Contractor. The Contractor will be required to compensate the City of Naperville for the cost of the replacement material provided to them by the City of Naperville at no additional cost to the Contract. No time extension will be allowed for any delays in the work cause by the City of Naperville having to provide replacement materials. If the Contractor believes the material to be damaged at time of pick-up, the Contractor shall refuse acceptance of the material and notify the Engineer and the City of Naperville's Engineer.

For additional types of material other than that which is issued for this project, contact the City of Naperville (Project Engineer) Brian Chamberlain (630) 420-6653 or (Project Coordinator) Paul Michalowski at (630) 305-5227 or (Senior Electrical Engineer) Larry Slate at (630) 420-6192. For general warehouse questions the contractor shall contact Terry Skala at (630) 420-4136.

No additional compensation will be allowed for installation of the inappropriate type of materials supplied by the City of Naperville.

**Handling of Materials:** Proper equipment, tools and facilities shall be provided and used by the Contractor for the inspection of the various items of work.

Pipe, fittings, vaults, manholes and other accessories shall at all times be handled with care to avoid damage. In loading and unloading the Contractor will follow the recommendations of the manufacturer. Under no circumstances will they be dropped or rolled off the truck.

All pipes, fittings, manholes and other accessories shall be carefully lowered into the trench piece-by-piece in such manner as to prevent damage.

Remove dirt, excavated materials or other foreign matter from the interior of conduits, vaults, and manholes before laying. Keep clean until the completed various items of work are ready for acceptance.

**Ovaling of HDPE Conduit Furnished by the City of Naperville:** The Contractor when installing HDPE conduit is to limit the amount of conduit being oveled by the installation process. The Conduit being pulled out from an exit pit shall be controlled so as not to oval the conduit. The conduit is required to be round to allow the installation of couplings, steel pipes or bends.

Force fitting of round conduit on to oval conduit is not acceptable. To provide a round connection for the HDPE, the HDPE has to be cut back to where the conduit is round. In the process of cutting the HDPE back a large amount of scrap can be generated. The Contractor is advised the conduit supplied by the city is furnished 7% over the required amount to allow for some ovaling. In the event the amount of conduit scraped exceeds 7% the Contractor shall furnish and install all remaining HDPE conduit at the Contractors cost to finish the Project. The use of straight 40-foot lengths of HDPE is not acceptable.

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**Disposal of Surplus Material:** The Contractor is prohibited from burning any material on or adjacent to the improvement. All excess, excavated or waste material resulting from the Contractor's work shall be hauled away from the project site, and deposited at legal dumpsite(s) provided by the Contractor. No extra compensation will be allowed to the Contractor for any expense incurred by complying with these requirements.

**Warning to the Contractor's Employees:** The City of Naperville Department of Public Utilities – Electric is in the business of distribution and transmission of electric power. The Contractor shall warn their employees against the hazards of such an operation. Neither the Contractor's nor sub-contractors' employees shall enter any part of the DPU-Electric facilities, other than the places where the work is being done. The Contractor shall so instruct their employees not to touch, move, manipulate, or tamper with any wires, gas pipes, fixtures, machines, appliances or equipment of the City of Naperville without express permission from the Engineer or the City of Naperville's Project Engineer.

**Energized Lines; General Requirements:** The Contractor is advised energized overhead lines are in the work area. They will remain energized for the duration of the project. Contractor will work around lines and any costs incurred by doing so are included in the cost of the various items of work. The Contractor personnel shall be trained to work around underground live cable or overhead live conductor per O.S.H.A regulations. The Contractor will have on the job site have two (2) qualified 12kV line electricians trained and experience to perform work on energized equipment and cables for the duration of the project. Upon request the two electricians shall be able to provide all references and certification of the ability to perform 12kV electrical work. This includes all confined space training, CPR training and Tag in/ tag out procedures to the satisfaction of the City of Naperville. The Contractor must request outages a minimum of 72 hours in advance of the required work to be started.

**Safety Pre-cautions:** Some construction along the route shall be done in close proximity to existing energized conductors as well as lower voltage distribution circuits. Due caution shall be taken to prevent accidental contact with or damage to any part of these facilities. It shall be the Contractor's responsibility to locate and identify all facilities by hand digging and/or machine aided digging as deemed necessary. The Contractor shall consider all electric lines overhead or underground **energized at all times**.

**Temporary Utilities:** Should the Contractor wish to use utilities (including electric and water) on a temporary basis to carry out the work specified herein, the Contractor shall make all arrangements necessary and shall pay all costs associated with connection to the utility. The Contractor shall also arrange to meter and to pay for all electric service. There will be charges for water usage. It should be noted that telephone use shall be made on a separate telephone number from that of the City. The Contractor shall pay for all telephone service in connection with his construction.

**Water for Construction Purposes:** City water for construction purposes will be available to the Contractor at his cost according to the rates in effect at the time of usage. The Contractor will use water only from a location approved by the Naperville Department of Public Utilities (NDPU) Water and Wastewater. If approved, the procedure for securing the City meter is:

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The Contractor shall contact:

NDPU - Water and Wastewater  
North Operating Center (N.O.C.)  
(630) 305-5263  
1200 W. Ogden Avenue  
Naperville, Illinois 60563-2918

The Contractor shall submit to the NDPU a check payable to the City of Naperville for \$150.00 as a deposit and sign out for three-quarter inch (3/4) water meter or \$500.00 for a fire hydrant meter that will fit a 3" hose. Upon completion of the project, or whenever the water meter and water are no longer required, the Contractor shall return the meter in good condition to the same location. The balance of this deposit will be processed for repayment after the deduction of the money charged towards the number of gallons of water used.

**Excavation:** Broken pavement, brush, stumps, roots, rubbish, garbage, trees and other above ground obstructions in the right-of-way that will interfere with construction will be removed from the site. Stones, boulders and solid rock from the excavation should be completely removed from the area and no stones will be used as backfill within two feet of the conduit line. All materials removed from the site will be deposited in approved landfill areas.

Safeguard from damage, surveying monuments, property pins, mail boxes, and similar items. If damaged or disturbed by construction operations, the Contractor will pay for the cost of restoration by a registered land surveyor, as approved by the Engineer, and the City of Naperville. This work shall be included in the contract unit cost of LANDSCAPE RESTORATION.

The Contractor will remove the surface materials only to such widths as will permit a trench to be excavated which will afford sufficient room for efficient and proper construction. Where sidewalks, driveways, pavements and curb and gutter are encountered, care will be taken to protect such against damage or disturbance to areas beyond the working limits.

Any damage to areas outside the work limits will be repaired by the Contractor at no additional cost to the City of Naperville. This includes all sidewalks that are cracked, bent, tilted, sunken, chipped or broken due to construction. Also included are grass areas, driveways, and roads that may be damaged due to construction.

All street surfaces that are disturbed due to trenching shall be removed and replaced for the entire length of the trench. This includes installation, removal and disposal of all materials. This work shall be paid for at the contract unit price of CLASS D PATCHES, of the required type, 12 INCHES. All parking lot surfaces and driveways that are disturbed due to trenching shall be removed and replaced for the entire length of the trench. This work shall be paid for at the unit price for PAVEMENT REMOVAL, HOT-MIX ASPHALT BASE COURSE, (VARIABLE DEPTH) and HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50. The replacement width for the street and parking lot surfaces shall be in accordance with the plan details.

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Where working space will permit, trenches may be excavated by machine, provided that public and private improvements will not be subjected to an unreasonable amount of damage or nuisance. If however, excavation by machine methods cannot be made without damage being done to public and private improvements, hand excavation will be employed.

The Contractor is to take all risk as to the quality of the excavation, its condition as to the presence or absence of water, and all contingencies attending the various item of work.

The trench will be excavated to the alignment and depth required. The length of open trench will not exceed 100 feet from the forward cut to the completely back-filled trench nor will the same trench obstruct more than one street crossing at a time.

The minimum cover over the duct bank will be three feet six inches (3'-6") unless otherwise noted on the plans or as directed by the Engineer or the City of Naperville project engineer. The trench will be completely backfilled to the last duct bank section or conduit joint (not to exceed 10 feet of open trench) at the end of each day operations.

The trench width will be indicated in the trench section details. This is to allow the duct bank or conduit to be laid, jointed, supported and encased, backfilled, and compacted properly. Vertical sides are required where the nature of the excavated material and depth of trench will permit.

When encountering boulders, large stones, rock or shale, such materials will be removed to provide a clearance of at least 6 inches below and at least 6 inches on each side, all parts of the duct bank, conduit, or structures. Where the trench is excavated in rock or shale, the 6 inch space below the duct bank, conduit or structures will be filled by hand with approved granular backfill (or other approved material) firmly compacted to form a cushion. This work shall be considered included in the contract unit price for the items being installed.

The trench will have a flat bottom conforming to the grades to which the duct bank is to be laid. The trench will be excavated to a depth of a minimum of 2 inches below the established grade line of the bottom of the duct bank and that space between duct bank (bottom of concrete encasement) and trench bottom will be filled with granular material as specified.

The duct bank will be laid upon granular material to have a bearing for its full length. Any part of the trench excavated below the grade will be corrected with approved granular material firmly compacted.

The Contractor will make all necessary arrangements of disposal areas for excavated materials and will pay all costs included in to securing permission for their use. The Contractor will dispose of all surplus excavated material without cost to the contract, other than as reflected in the bid prices. Stockpiling of excavated materials on-site will not be allowed overnight without approval of the Engineer.

When excavated material is suitable for backfill material, it will be stored in such a manner as to create a minimum of obstruction or hazard to traffic. The Engineer or the City of Naperville's Project Engineer shall determine if the excavated material is suitable for backfill. Failure to receive approval requires the material shall be removed from the trench.

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When excavated material is not suitable as backfill, it will be loaded directly onto trucks for removal from the site. No excess excavated material will be stored on any public property or right-of-way. Such material will be disposed of either at a properly licensed landfill or on such other private property as the Contractor may determine, subject to the consent of the Owner thereof, and the approval of all relevant governmental agencies. Notification of all disposal areas must be given to the Engineer prior to start of work by Contractor.

The Contractor will keep the trenches free from water during the progress of duct bank or conduit installation. No conduit will be laid in water, nor will water come in contact with conduit connections. The Contractor will take such precautions as are necessary to comply with these provisions either by bailing or pumping, if necessary. The prevention of leakage will be considered of prime importance, and all practicable precautions will be insisted upon.

The Contractor is advised that stratified rock may exist from 6'-0" to 15'-0" below grade and solid rock may exist from 15'-0" to 30'-0" below grade. This work shall be performed in accordance with Section 502 of the IDOT Standard Specifications except as herein.

Rock excavation shall include all hard, solid rock ledges, bedded deposits and uncertified masses and all conglomerate deposits or any other material so firmly cemented that, in the opinion of the Engineer, it is not practical to excavate and remove same with a 225 net flywheel horsepower hydraulic backhoe or equal.

Only except after continuous use of pneumatic tools or hammering. No soft or disintegrated rock which can be removed with a pick, grinding or jack hammer (40pounds): no loose, shaken or previously broken rock; and no rock which may fall into the excavation from outside the limits of excavation will be classified as rock excavation.

Rock excavation shall also include all rock boulders necessary to be removed having a volume of three cubic yards or more.

When rock is encountered, the Contractor shall strip the earth from the rock, and notify the Engineer to measure the material before removal.

Any rock that has been removed prior to measurement by the Engineer will not be classified as rock excavation. To be classified as rock, the material shall meet a very high RDQ classification.

Payment will be made for rock excavation only within a line eighteen inches outside the concrete walls of the manhole or within the limits of a trench one foot wider than the width of duct bank.

In case of trench excavation, and to a depth six inches below plan elevations for bottom of foundation or duct bank, or to the exact limits of rock cut contours or cross sections.

The use of explosives will not be permitted with any type of rock excavation.

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Payment for rock excavation shall be in accordance with Section 109.04 Standards Specifications. This price shall be full compensation for furnishing all materials; for all preparation, excavation and disposal of rock; and for all labor, equipment, tools and incidentals necessary to complete the item. The Contractor will be required to provide dump tickets.

**Braced and Sheeting Trenches:** Open-cut trenches will be sheeted, braced or otherwise constructed as required to protect the various item of work as determined by the Contractor. A sand box or trench shield may be used in lieu of sheeting. When close sheeting is used, it will be so driven as to prevent adjacent soil from entering the trench either below or through such sheeting.

Sheeting will be required for excavation within the pavement area or within ten (10) feet of the pavement edge, where the excavation lies below a one to one (1:1) slope line extended from the pavement edge.

**Alignment and Grade:** All duct banks and conduits will be located as shown on the Plans. When approved by the Engineer and the City of Naperville's Project Engineer, alignment and/or grade may be changed to pass around, over, or under obstructions. Such adjustments will be considered included in the cost of the various items of work.

The City of Naperville's Project Engineer will provide the Contractor with the location of the proposed manholes, vaults, hand holes, wood poles and electric duct bank. Once these items are located the Contractor will bear the full cost of any subsequent relocations.

The Contractor shall have a registered land surveyor stake the right-of-way, structure locations, and conduit alignment. Also the Contractor will follow the construction phase to be sure the material is installed within the right-of-way. The surveyor shall provide as-built drawings to the City of Naperville

**Easements and Permits:** The City will make available all necessary right of ways in advance of construction any exceptions will be so noted in the pre-construction meeting.

The City of Naperville will, prior to the start of construction, apply for necessary State, County and Township permits and easements on public and private properties, as required to perform the work outlined under this contract.

It shall be the Contractor's responsibility to obtain the necessary permits prior to beginning construction and conduct his operations in such a manner so as to comply with all provisions and conditions of the permits and easements. Any cost associated with obtaining the necessary permits shall be considered included in the contract unit price for the electrical conduit work items.

The Contractor shall also provide performance bonds and insurance required of him by the permits and easements. The cost of providing bonds and insurance and complying with the provisions and conditions of the permits and easements shall be considered supplementary to the cost of construction.

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The Contractor shall be furnished with copies of all applicable easement agreements as executed by the City of Naperville. It shall be the Contractor's responsibility to keep all materials and machinery within easements that have been provided as shown on the plans and liability rests with the Contractor for damage to any area outside and inside of said easements.

**Restoration, General Requirements:** This work will include the replacement of facilities to be equal to or better than the conditions at the beginning of this project.

This includes the removal, installation, temporary installation and material disposal of all: sidewalks, bike paths, street lights and cables, pavement, curb and gutters, trees, shrubs, vines, seedlings, flowers, mulch, fencing of all types and styles, decorative stonework, modular walls, sprinkler systems, dog fences, salt tolerant sod/class 2A seed, 6" of black dirt (pulverized), watering, fertilizing, mowing, road signs, traffic control, and all landscaping necessary to restore the non-paved work areas, or paved areas to a condition equal to or better than that which existed prior to the installation of the City of Naperville electric duct bank, manholes, handholes, pole risers, and vaults as shown on the plans and as directed by the engineer.

Once the locations of the electric duct bank, risers, handholes, vaults and manholes have been determined, the Contractor will arrange to do an inventory of all trees, sidewalks, curb and gutters, shrubs, vines, seedlings, flowers, mulch, fencing, decorative stonework and landscaping. These items will be recorded as to type, quantity and location. This inventory will define the items to be replaced. These requirements will be considered included in the cost.

Items to remain in place will be protected as directed by the Engineer. All trees not designated for removal in the limits of construction will have their trunks protected by two by four (2x4) lumber secured regularly around the trunks and extending a minimum of six (6) feet up the trunk. Trees will be trimmed as directed by the Engineer. All salvageable items will be removed, stored and reinstalled as directed by the Engineer. Requirements for these provisions will be included in the cost of this item.

Any items removed or damaged outside the construction limits established above will be replaced at the Contractor's own expense. All tree trimming and repair of wounds will be performed under the supervision of an experienced registered landscape architect/arborist.

All the above work is considered as part of restoration and included in the unit pricing

All other surface areas damaged by the Contractor that are outside the scope shall be restored to the satisfaction of the Engineer and the City of Naperville at the contractor's own expense. All work by the Contractor shall meet all of the above criteria and specific specifications for a specific restoration activity.

**MANHOLES TYPE "G" DOUBLE OPENING, INSTALL ONLY**  
**MANHOLES TYPE "E" DOUBLE OPENING, INSTALL ONLY**

The Contractor shall install City furnished electrical manholes in a prepared excavation to the line and grades as shown on the drawings, or as directed by the Engineer.

The Contractor shall be responsible for, but not limited to preparing the excavation, adjusting manhole location after potholing, over dig, assembly, security of site, layout, as-builts, obtaining outages with 96 hour advance notice, all steel plates, fencing, and warning signs to secure site.

The Contractor shall be responsible all temporary work, clearing and grubbing, compacting backfill, removing trees and brush less than 6 inches in diameter.

The Contractor is also responsible for shoring, planking, bracing, wales, grounding and testing, report findings of ground test, installation of 200 feet counterpoise if required into manhole, removing pavement and all surface materials.

Also, the Contractor is in charge of training mule tape or # 12 copper THHN wire thru manhole and attaching to frame of manhole lid.

The Contractor shall be responsible for shoring, sheeting, removing all excavated materials and debris, excavation, preparation of the excavation, and bracing materials as required per OSHA.

The Contractor shall be responsible for dewatering, and installing a 6" Coarse Aggregate Gradation CA-6 for bedding. The bedding shall be compacted and leveled prior to the manhole installation.

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## **GRANULAR MATERIALS (BDE)**

Effective: November 1, 2012

Revise the title of Article 1003.04 of the Standard Specifications to read:

**“1003.04 Fine Aggregate for Bedding, Trench Backfill, Embankment, Porous Granular Backfill, Sand Backfill for Underdrains, and French Drains.”**

Revise Article 1003.04(c) of the Standard Specifications to read:

“(c) Gradation. The fine aggregate gradations for granular embankment, granular backfill, bedding, and trench backfill for pipe culverts and storm sewers shall be FA 1, FA 2, or FA 6 through FA 21.

The fine aggregate gradation for porous granular embankment, porous granular backfill, french drains, and sand backfill for underdrains shall be FA 1, FA 2, or FA 20, except the percent passing the No. 200 (75 μm) sieve shall be 2±2.”

Revise Article 1004.05(c) of the Standard Specifications to read:

“(c) Gradation. The coarse aggregate gradations shall be as follows.

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**CONCRETE BOX CULVERTS WITH SKEWS  $\leq$  30 DEGREES REGARDLESS OF DESIGN  
FILL AND SKEWS  $>$  30 DEGREES WITH DESIGN FILLS  $>$  5 FEET (BDE)**

Effective: April 1, 2012

Revise the second paragraph of Article 540.04 of the Standard Specifications to read:

“Unless otherwise noted on the plans, the Contractor shall have the option, when a cast-in-place concrete box culvert is specified, of constructing the box culvert using precast box culvert sections when the design cover is 6 in. (150 mm) minimum. The precast box culvert sections shall be designed for the same design cover shown on the plans for cast-in-place box culvert; shall be of equal or larger size opening, and shall satisfy the design requirements of ASTM C 1577.”

Revise the fourth paragraph of Article 540.06 of the Standard Specifications to read:

“The excavation and backfilling for precast concrete box culverts shall be according to the requirements of Section 502, except where the design fill is less than or equal to 8 ft (2.4 m), or the design fill is less than the clear span of the box. In these cases ASTM C 1577 requires a select granular backfill (porous granular material) over the box. If a porous granular backfill is required but is not detailed on the plans for the culvert(s), the Contractor shall have the option of either furnishing porous granular backfill where required to satisfy ASTM C 1577, or submitting an alternate design, sealed by an Illinois licensed Structural Engineer, which precludes the use of a porous granular backfill. In addition for all precast boxes a layer of porous granular material, at least 6 in. (150 mm) in thickness, shall be placed below the elevation of the bottom of the box. The porous granular material shall extend at least 2 ft (600 mm) beyond each side of the box. The precast concrete box culvert shall be laid according to the applicable requirements of Article 542.04(d). After installation, the interior and exterior joint gap between precast concrete box culvert sections shall be a maximum of 1 1/2 in. (38 mm).”

**BNSF RAILROAD AND METRA TEMPORARY SHORING REQUIREMENTS**

Description. The Contractor shall be advised that there is work included in this Contract which is to be performed within Burlington Northern Santa Fe Railroad's (BNSF Railroad) right of way and in close proximity to active railroad tracks. The active railroad tracks are utilized by both the BNSF Railroad and Metra. At these locations, BNSF Railroad and/or Metra may require the installation of temporary shoring system while the proposed work is being performed.

Added 5-6-2013

If the BNSF Railroad and/or Metra require a temporary shoring system to be installed, the Contractor will be responsible for designing, furnishing all materials and installing the required temporary shoring system. The Contractor shall submit structural calculations and shop drawings for a temporary shoring system at the required locations. The structural calculations and shop drawings shall be prepared and sealed by a Structural Engineer licensed in the State of Illinois. The Contractor shall not begin any proposed work within the BNSF Railroad right of way without receiving written approval from the Engineer, the BNSF Railroad and/or Metra.

Basis of Payment. This work shall be included in the contract unit price for the proposed items for which a temporary shoring system is required. No additional payment will be paid to the Contractor for this work.

### **FRICITION SURFACE AGGREGATE (D1)**

Effective: January 1, 2011  
Revised: February 26, 2013

Revise Article 1004.01(a)(4) of the Standard Specifications to read:

- “(4) Crushed Stone. Crushed stone shall be the angular fragments resulting from crushing undisturbed, consolidated deposits of rock by mechanical means. Crushed stone shall be divided into the following, when specified.
- a. Carbonate Crushed Stone. Carbonate crushed stone shall be either dolomite or limestone. Dolomite shall contain 11.0 percent or more magnesium oxide (MgO). Limestone shall contain less than 11.0 percent magnesium oxide (MgO).
  - b. Crystalline Crushed Stone. Crystalline crushed stone shall be either metamorphic or igneous stone, including but is not limited to, quartzite, granite, rhyolite and diabase.”

Revise Article 1004.03(a) of the Standard Specifications to read:

**“1004.03 Coarse Aggregate for Hot-Mix Asphalt (HMA).** The aggregate shall be according to Article 1004.01 and the following revisions.

- (a) Description. The coarse aggregate for HMA shall be according to the following table.

Added 5-6-2013



Use	Mixture	Aggregates Allowed
Class A	Seal or Cover	<u>Allowed Alone or in Combination:</u> Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag Crushed Concrete
HMA All Other	Shoulders	<u>Allowed Alone or in Combination:</u> Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) <sup>1/</sup> Crushed Steel Slag <sup>1/</sup> Crushed Concrete
HMA High ESAL Low ESAL	C Surface IL-12.5,IL-9.5, or IL-9.5L	<u>Allowed Alone or in Combination:</u> Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) <sup>1/</sup> Crushed Steel Slag <sup>1/</sup> Crushed Concrete
HMA High ESAL	D Surface IL-12.5 or IL-9.5	<u>Allowed Alone or in Combination:</u> Crushed Gravel Carbonate Crushed Stone (other than Limestone) Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) <sup>1/</sup> Crushed Steel Slag <sup>1/</sup> Crushed Concrete

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		<u>Other Combinations Allowed:</u>	
		<i>Up to...</i>	<i>With...</i>
		25% Limestone	Dolomite <b>Added pgs 5-6-13</b>
		50% Limestone	Any Mixture D aggregate other than Dolomite
		75% Limestone	Crushed Slag (ACBF) <sup>1/</sup> or Crushed Sandstone
HMA High ESAL	F Surface IL-12.5 or IL-9.5	<u>Allowed Alone or in Combination:</u>	
		Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) <sup>1/</sup> Crushed Steel Slag <sup>1/</sup>	
		No Limestone or no Crushed Gravel alone.	
		<u>Other Combinations Allowed:</u>	
		<i>Up to...</i>	<i>With...</i>
		50% Crushed Gravel, or Dolomite	Crushed Sandstone, Crushed Slag (ACBF) <sup>1/</sup> , Crushed Steel Slag <sup>1/</sup> , or Crystalline Crushed Stone
HMA High ESAL	SMA Ndesign 80 Surface	Crystalline Crushed Stone Crushed Sandstone Crushed Steel Slag	

1/ When either slag is used, the blend percentages listed shall be by volume.

Added 5-6-2013

Add to Article 1004.03 (b) of the Standard Specifications to read:

“ When using Crushed Concrete, the quality shall be determined as follows. The Contractor shall obtain a representative sample from the stockpile, witnessed by the Engineer, at a frequency of 2500 tons (2300 metric tons). The sample shall be a minimum of 50 lb (25 kg). The Contractor shall submit the sample to the District Office. The District will forward the sample to the BMPR Aggregate Lab for MicroDeval Testing, according to Illinois Modified AASHTO T 327. A maximum loss of 15.0 percent by weight will be applied for acceptance. The stockpile shall be sealed until test results are complete and found to meet the specifications above.”

**WATER MAIN REMOVAL, 6”**

**WATER MAIN REMOVAL, 10”**

Description. This work shall consist of removing the existing water main of the size indicated as shown on the plans or as directed by the Engineer. Trenches shall be backfilled and properly compacted. The trenches shall be brought up to match the surrounding grade. The water main pipe shall be properly disposed of off-site.

Method of Measurement: This work shall be measured for payment in linear feet along the center line of water main to be removed.

Basis of Payment This work shall be paid for at the contract unit price per foot for WATER MAIN REMOVAL, (of the size specified). Payment shall be full compensation for all materials, labor, tools, equipment and incidentals necessary to complete this work. Trench backfill, if required, shall be paid for separately as indicated in the plans.

Added 5-6-2013