



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

May 5, 2013

SUBJECT: FAP Route 338(IL 59)
Project ACNHF-0338(049)
Section (112 & 113)WRS-6
DuPage County
Contract No. 60R31
Item No. 13, 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 3-7, 10 and 16 of the Special Provisions.
4. Added pages 366-378 to the Special Provisions.
5. Revised sheets 4, 35, 70, 105, 113, 118, 121, 122, 125, 127, 135, 141, 142, 145-148, 155, 156, 162, 167-172, 176, 178 & 180-182 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,

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

A handwritten signature in cursive script, reading "Ted B. Walschleger P.E.".

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 - 60R31

State Job # - C-91-065-12

County Name - DUPAGE - -

Code - 43 - -

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Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
A2000316	T-ACER MIY MOR 2	EACH	6.000				
A2002008	T-AESCUL FLV YSB 2 BB	EACH	11.000				
A2002716	T-CARYA OVATA 2	EACH	8.000				
A2002916	T-CELTIS OCCID 2	EACH	2.000				
A2004512	T-GINKGO BIL AG 2	EACH	3.000				
A2004816	T-GLED TRI-I SK 2	EACH	16.000				
A2005015	T-GYMNOCLA DIO 8' MSF	EACH	4.000				
A2005020	T-GYMNOCLA DIO 2-1/2	EACH	14.000				
A2005256	T-LARIX LARICINA 2	EACH	8.000				
A2005516	T-NYSSA SYLVAT 2	EACH	6.000				
A2006516	T-QUERCUS BICOL 2	EACH	32.000				
A2006568	T-QUERCUS BICL CL 7'	EACH	6.000				
A2006616	T-QUERCUS IMBR 2	EACH	23.000				
A2006716	T-QUERCUS MACR 2	EACH	13.000				
A2006816	T-QUERCUS MEUH 2	EACH	1.000				

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A2007132	T-QUERCUS SCHUETTI 2	EACH	17.000				
A2007218	T-R PSEU CHGO BLUE 2	EACH	13.000				
A2007616	T-TAXODIUM DIS 2	EACH	30.000				
A2008468	T-ULMUS AMER PRINC 2	EACH	23.000				
A2012000	T-AESCUL ARNOLDIANA 2	EACH	4.000				
B2000766	T-AMEL X GF AB SF 6'	EACH	8.000				
B2001616	T-CRAT CRU-I TF 2	EACH	33.000				
B2001666	T-CRATAE CRU-I SF 6'	EACH	25.000				
B2003766	T-MALUS IS CL 6'	EACH	2.000				
B2004002	T-MALUS OC OCC TF 2	EACH	15.000				
B2004816	T-MALUS SAR TF 2	EACH	3.000				
B2006116	T-SYRG PEK M TF 2	EACH	10.000				
B2006125	T-SYRG ZZ BJG TF 2	EACH	8.000				
B2006272	T-SYRING RET B TF 2	EACH	15.000				
B2006316	T-SYRG RT IS TF 2	EACH	3.000				

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B2006379	T-SYRG RET S N TF 2	EACH	6.000				
B2010070	T-CLADRASTIS KY 2	EACH	6.000				
C2C00324	S-ARONIA MELAN IB 2'C	EACH	24.000				
C2C05818	S-RHUS AROMA GRO 18C	EACH	52.000				
C2000124	S-AESCLUSUS PARV 2'	EACH	17.000				
C2011024	S-SYRINGA PAT MK 2'	EACH	90.000				
D2001784	E-PICEA ABIES 7'	EACH	7.000				
D2002184	E-PICEA PUNGENS 7'	EACH	6.000				
D2002784	E-PINUS NIGRA 7'	EACH	10.000				
E20210G1	V-PARTHEN QUIN EM 1G	EACH	3,993.000				
K0012990	P PL ORNAMENT T GAL P	UNIT	16.000				
XX003189	LIGHT UNIT INST ONLY	EACH	34.000				
XX006926	ILLUM ST NAME SIGN	EACH	8.000				
X0301423	NOISE AB WALL GRD MT	SQ FT	53,869.000				
X0322789	TV INSP - NEW SAN SEW	FOOT	290.000				

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X0322791	FILL EXIST SAN SEWER	CU YD	4.000				
X0322936	REMOV EX FLAR END SEC	EACH	1.000				
X0324013	NOISE AB WALL STR MT	SQ FT	8,057.000				
X0324085	EM VEH P S LSC 20 3C	FOOT	2,473.000				
X0324455	DRILL/SET SOLD P SOIL	CU FT	20,112.000				
X0325034	MH TA 6D W/2 T1FOL RP	EACH	2.000				
X0325323	MAN TA SAN 4 D T1F CL	EACH	4.000				
X0326713	SANITARY SEWER CONN	EACH	1.000				
X0327367	STL CAS P BOR/JKD 24	FOOT	149.000				
X0839900	SAN SEW REMOV 6	FOOT	100.000				
X4021000	TEMP ACCESS- PRIV ENT	EACH	5.000				
X4022000	TEMP ACCESS- COM ENT	EACH	12.000				
X4023000	TEMP ACCESS- ROAD	EACH	12.000				
X4024100	TEMP ACCESS WINTERIZE	SQ YD	3,021.000				
X4240470	PC CONC SIDEWLK 10 SP	SQ FT	2,893.000				

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X4400500	COMB C&G REMOV SPL	FOOT	221.000				
X4403800	MEDIAN SURF REMOVAL	SQ FT	39,119.000				
X4420831	CL D PATCH T3 15 SPL	SQ YD	725.000				
X5500452	STORM SEWER 12 SPL	FOOT	107.000				
X5500454	STORM SEWER 14 SPL	FOOT	36.000				
X5500458	STORM SEWER 18 SPL	FOOT	92.000				
X5538000	SS CLEANED 18	FOOT	3.000				
X5538300	SS CLEANED 27	FOOT	47.000				
X5539100	SS CLEANED 72	FOOT	249.000				
X5610651	ABAN EX WM FILL CLSM	FOOT	2,338.000				
**ADD X5610706	WATER MAIN REMOV 6	FOOT	50.000				
**ADD X5610708	WATER MAIN REMOV 8	FOOT	50.000				
X5610710	WATER MAIN REMOV 10	FOOT	90.000				
X5610712	WATER MAIN REMOV 12	FOOT	181.000				
X5610752	WM LINE STOP 12	EACH	1.000				

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X5620030	WAT SER CONN 1	EACH	3.000				
X5620035	WAT SER CONN 1 1/2	EACH	1.000				
X5620040	WAT SER CONN 2	EACH	1.000				
X5860110	GRANULAR BACKFILL STR	CU YD	172.000				
X6013600	PIPE UNDERDRAIN 4 MOD	FOOT	2,104.000				
X6021193	TEMP CATCH BASINS	EACH	14.000				
X6024875	TEMPORARY INLET	EACH	5.000				
X6026054	SAN MAN REMOVED	EACH	4.000				
X6026055	SAN MANHOLE SPL	EACH	1.000				
X6026622	VV REMOVED	EACH	1.000				
X6061124	CONC MED TSB-6 SPL	SQ FT	17,908.000				
X6064200	COMB CC&G TB6.12 SPL	FOOT	6,715.000				
X6064205	COMB CC&G TB6.12 VCH	FOOT	527.000				
X6350120	DELINEATOR REMOVAL	EACH	45.000				
X6370050	CONC BAR WALL SPL	FOOT	1,303.000				

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X6640525	CH LK FENCE 4 ATT STR	FOOT	195.000				
X7010216	TRAF CONT & PROT SPL	L SUM	1.000				
X7030025	WET REF TEM TP T3 L&S	SQ FT	6,635.000				
X7030030	WET REF TEM TAPE T3 4	FOOT	177,320.000				
X7030040	WET REF TEM TAPE T3 6	FOOT	39,020.000				
X7030050	WET REF TEM TPE T3 12	FOOT	1,958.000				
X7030055	WET REF TEM TPE T3 24	FOOT	3,628.000				
X7250004	OBJECT MARKER T4	EACH	6.000				
X8165550	UD 4#43#10#6GXLP1.50P	FOOT	135.000				
X8250091	COMB LTG CONTROL	EACH	1.000				
X8250230	PHOTOCELL	EACH	1.000				
X8250505	LIGHT CONTROLLER SPL	EACH	1.000				
X8360120	LIGHT POLE FDN SPL	EACH	4.000				
X8570226	FAC T4 CAB SPL	EACH	1.000				
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	2.000				
X8710024	FOCC62.5/125 MM12SM24	FOOT	8,056.000				
X8760055	PED P-B POST TA	EACH	1.000				
Z0004530	HMA DRIVEWAY PAVT 8	SQ YD	56.000				
Z0004538	HMA DRIVEWAY PAVT 10	SQ YD	1,729.000				
Z0007118	UNTREATED TIMBER LAG	SQ FT	3,588.000				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000				
Z0026404	FUR SOLDIER PILES WS	FOOT	3,496.000				
Z0030850	TEMP INFO SIGNING	SQ FT	750.000				
Z0033020	LUM SFTY CABLE ASMBLY	EACH	52.000				
Z0033028	MAINTAIN LIGHTING SYS	CAL MO	12.000				
Z0033040	ELEC SVC DSCNNCT L&TS	EACH	1.000				
Z0033056	OPTIM TRAF SIGNAL SYS	EACH	1.000				
Z0041900	POLY ENCASEMENT	FOOT	2,978.000				

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Z0046304	P UNDR FOR STRUCT 4	FOOT	1,232.000				
Z0054400	ROCK FILL	CU YD	39.000				
Z0060800	SAN SEW T3 6	FOOT	30.000				
Z0060900	SAN SEW T3 8	FOOT	290.000				
Z0062456	TEMP PAVEMENT	SQ YD	25,599.000				
Z0062458	TEMP PAVEMT VAR DEPTH	TON	579.000				
Z0073345	SLEEPER SLAB	FOOT	1,930.000				
Z0073510	TEMP TR SIGNAL TIMING	EACH	2.000				
Z0076600	TRAINEES	HOUR	1,500.000		0.800		1,200.000
Z0076604	TRAINEES TPG	HOUR	1,500.000		10.000		15,000.000
20100110	TREE REMOV 6-15	UNIT	817.000				
20100210	TREE REMOV OVER 15	UNIT	545.000				
20101000	TEMPORARY FENCE	FOOT	2,762.000				
20101300	TREE PRUN 1-10	EACH	47.000				
20101350	TREE PRUN OVER 10	EACH	30.000				

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20200100	EARTH EXCAVATION	CU YD	49,470.000				
20201200	REM & DISP UNS MATL	CU YD	799.000				
20800150	TRENCH BACKFILL	CU YD	16,165.000				
21001000	GEOTECH FAB F/GR STAB	SQ YD	75,906.000				
21101505	TOPSOIL EXC & PLAC	CU YD	26,840.000				
21101695	TOPSOIL F & P 30	SQ YD	5,972.000				
21301048	EXPLOR TRENCH 48	FOOT	100.000				
21301060	EXPLOR TRENCH 60	FOOT	100.000				
21301072	EXPLOR TRENCH 72	FOOT	100.000				
25000210	SEEDING CL 2A	ACRE	1.000				
25000400	NITROGEN FERT NUTR	POUND	449.000				
25000600	POTASSIUM FERT NUTR	POUND	449.000				
25100115	MULCH METHOD 2	ACRE	11.750				
25100630	EROSION CONTR BLANKET	SQ YD	4,746.000				
25200110	SODDING SALT TOLERANT	SQ YD	28,559.000				

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25200200	SUPPLE WATERING	UNIT	1,305.000				
28000250	TEMP EROS CONTR SEED	POUND	1,200.000				
28000305	TEMP DITCH CHECKS	FOOT	75.000				
28000400	PERIMETER EROS BAR	FOOT	13,330.000				
28000500	INLET & PIPE PROTECT	EACH	1.000				
28000510	INLET FILTERS	EACH	399.000				
28001100	TEMP EROS CONTR BLANK	SQ YD	1,229.000				
30300001	AGG SUBGRADE IMPROVE	CU YD	760.000				
30300108	AGG SUBGRADE IMPR 8	SQ YD	26,102.000				
30300112	AGG SUBGRADE IMPR 12	SQ YD	80,141.000				
31101200	SUB GRAN MAT B 4	SQ YD	42,591.000				
40600100	BIT MATLS PR CT	GALLON	2,849.000				
40600300	AGG PR CT	TON	57.000				
40600625	LEV BIND MM N50	TON	87.000				
40600635	LEV BIND MM N70	TON	60.000				

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40600895	CONSTRUC TEST STRIP	EACH	2.000				
40600982	HMA SURF REM BUTT JT	SQ YD	49.000				
40603080	HMA BC IL-19.0 N50	TON	90.000				
40603335	HMA SC "D" N50	TON	231.000				
40603595	P HMA SC "F" N90	TON	159.000				
40701921	HMA PAVT FD 12	SQ YD	948.000				
40701961	HMA PAVT FD 14	SQ YD	22,452.000				
42000506	PCC PVT 10 1/4 JOINTD	SQ YD	67,588.000				
42001300	PROTECTIVE COAT	SQ YD	96,836.000				
42300400	PCC DRIVEWAY PAVT 8	SQ YD	402.000				
42300600	PCC DRIVEWAY PAVT 10	SQ YD	2,930.000				
42400200	PC CONC SIDEWALK 5	SQ FT	117,012.000				
42400410	PC CONC SIDEWALK 8	SQ FT	1,191.000				
42400800	DETECTABLE WARNINGS	SQ FT	1,274.000				
44000100	PAVEMENT REM	SQ YD	94,541.000				

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44000160	HMA SURF REM 2 3/4	SQ YD	3,473.000				
44000200	DRIVE PAVEMENT REM	SQ YD	4,217.000				
44000300	CURB REM	FOOT	622.000				
44000500	COMB CURB GUTTER REM	FOOT	31,704.000				
44000600	SIDEWALK REM	SQ FT	39,387.000				
44003100	MEDIAN REMOVAL	SQ FT	8,648.000				
44201796	CL D PATCH T4 12	SQ YD	152.000				
44300100	AREA REF CR CON TREAT	SQ YD	3,471.000				
48101620	AGGREGATE SHLDS B 10	SQ YD	418.000				
50100300	REM EXIST STRUCT N1	EACH	1.000				
50104400	CONC HDWL REM	EACH	2.000				
50200100	STRUCTURE EXCAVATION	CU YD	2,447.000				
50300225	CONC STRUCT	CU YD	683.500				
50300285	FORM LINER TEX SURF	SQ FT	2,335.000				
50500505	STUD SHEAR CONNECTORS	EACH	750.000				

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50800205	REINF BARS, EPOXY CTD	POUND	79,980.000				
50901750	PARAPET RAILING	FOOT	2,290.000				
54010905	PCBC 9X5	FOOT	97.000				
5421C012	P CUL CL C 1 12 TEMP	FOOT	660.000				
550A0050	STORM SEW CL A 1 12	FOOT	1,134.000				
550A0070	STORM SEW CL A 1 15	FOOT	127.000				
550A0090	STORM SEW CL A 1 18	FOOT	426.000				
550A0120	STORM SEW CL A 1 24	FOOT	918.000				
550A0140	STORM SEW CL A 1 30	FOOT	227.000				
550A0160	STORM SEW CL A 1 36	FOOT	21.000				
550A0190	STORM SEW CL A 1 48	FOOT	238.000				
550A0340	STORM SEW CL A 2 12	FOOT	5,168.000				
550A0360	STORM SEW CL A 2 15	FOOT	857.000				
550A0380	STORM SEW CL A 2 18	FOOT	586.000				
550A0410	STORM SEW CL A 2 24	FOOT	1,399.000				

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550A0430	STORM SEW CL A 2 30	FOOT	946.000				
550A0450	STORM SEW CL A 2 36	FOOT	1,173.000				
550A0500	STORM SEW CL A 2 60	FOOT	1,114.000				
550A0640	STORM SEW CL A 3 12	FOOT	41.000				
550A0680	STORM SEW CL A 3 18	FOOT	98.000				
550A0710	STORM SEW CL A 3 24	FOOT	8.000				
550A2320	SS RG CL A 1 12	FOOT	1,258.000				
550A2330	SS RG CL A 1 15	FOOT	14.000				
550A2360	SS RG CL A 1 24	FOOT	13.000				
550A2380	SS RG CL A 1 30	FOOT	145.000				
550A2520	SS RG CL A 2 12	FOOT	2,119.000				
550A2530	SS RG CL A 2 15	FOOT	254.000				
550A2540	SS RG CL A 2 18	FOOT	152.000				
550A2560	SS RG CL A 2 24	FOOT	192.000				
550A2600	SS RG CL A 2 36	FOOT	156.000				

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550A2640	SS RG CL A 2 60	FOOT	195.000				
55100300	STORM SEWER REM 8	FOOT	92.000				
55100400	STORM SEWER REM 10	FOOT	259.000				
55100500	STORM SEWER REM 12	FOOT	4,766.000				
55100700	STORM SEWER REM 15	FOOT	15.000				
55100900	STORM SEWER REM 18	FOOT	1,279.000				
55101200	STORM SEWER REM 24	FOOT	1,812.000				
55101300	STORM SEWER REM 27	FOOT	1,086.000				
55101400	STORM SEWER REM 30	FOOT	1,963.000				
55101600	STORM SEWER REM 36	FOOT	1,128.000				
56100050	DI WAT MN TEE, 12X 6	EACH	7.000				
56100055	DI WAT MN TEE, 12X 8	EACH	6.000				
56100060	DI WAT MN TEE, 12X10	EACH	2.000				
56101150	DI WAT MN RED, 8 X 6	EACH	3.000				
56101162	DI WAT MN RED, 12 X10	EACH	1.000				

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56103000	D I WATER MAIN 6	FOOT	34.000				
56103100	D I WATER MAIN 8	FOOT	290.000				
56103200	D I WATER MAIN 10	FOOT	68.000				
56103300	D I WATER MAIN 12	FOOT	2,545.000				
56105000	WATER VALVES 8	EACH	1.000				
56105100	WATER VALVES 10	EACH	1.000				
56105200	WATER VALVES 12	EACH	4.000				
56109100	TAP VALVE & SLEEVE 12	EACH	2.000				
56109404	DI WT MNF 12 11.25 DB	EACH	2.000				
56109408	DI WT MNF 8 22.50 DB	EACH	2.000				
56109410	DI WT MNF 10 22.50 DB	EACH	4.000				
56109412	DI WT MNF 12 22.50 DB	EACH	19.000				
56109418	DI WT MNF 6 45.0 DB	EACH	5.000				
56109424	DI WT MNF 12 45.0 DB	EACH	7.000				
56109434	DI WT MNF 8 90.0 DB	EACH	2.000				

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56109436	DI WT MNF 10 90.0 DB	EACH	3.000				
56109438	DI WT MNF 12 90.0 DB	EACH	2.000				
56200300	WATER SERV LINE 1	FOOT	84.000				
56200500	WATER SERV LINE 1 1/2	FOOT	9.000				
56200700	WATER SERV LINE 2	FOOT	71.000				
56400100	FIRE HYDNPTS TO BE MVD	EACH	5.000				
56400400	FIRE HYDNPTS RELOCATED	EACH	4.000				
56400500	FIRE HYDNPTS TO BE REM	EACH	8.000				
56400820	FIRE HYD W/AUX V & VB	EACH	10.000				
56500600	DOM WAT SER BOX ADJ	EACH	3.000				
56500700	DOM WAT SER BOX REM	EACH	4.000				
56500800	DOM WAT SER BOX	EACH	4.000				
58700300	CONCRETE SEALER	SQ FT	13,440.000				
59100100	GEOCOMPOSITE WALL DR	SQ YD	485.000				
60109510	P UNDR FAB LINE TR 4	FOOT	11,683.000				

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60200105	CB TA 4 DIA T1F OL	EACH	2.000				
60200805	CB TA 4 DIA T8G	EACH	20.000				
60201110	CB TA 4 DIA T11V F&G	EACH	2.000				
60201340	CB TA 4 DIA T24F&G	EACH	164.000				
60218400	MAN TA 4 DIA T1F CL	EACH	28.000				
60221100	MAN TA 5 DIA T1F CL	EACH	25.000				
60223800	MAN TA 6 DIA T1F CL	EACH	5.000				
60224459	MAN TA 8 DIA T1F CL	EACH	6.000				
60224469	MAN TA 9 DIA T1F CL	EACH	4.000				
60236825	INLETS TA T11V F&G	EACH	3.000				
60237470	INLETS TA T24F&G	EACH	84.000				
60240328	INLETS TB T24F&G	EACH	7.000				
60248700	VV TA 4 DIA T1F CL	EACH	6.000				
60249010	VV TA 6 DIA T1F CL	EACH	2.000				
60250200	CB ADJUST	EACH	3.000				

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60255500	MAN ADJUST	EACH	45.000				
60260100	INLETS ADJUST	EACH	2.000				
60262700	INLETS RECONST	EACH	2.000				
60500040	REMOV MANHOLES	EACH	42.000				
60500050	REMOV CATCH BAS	EACH	59.000				
60500060	REMOV INLETS	EACH	68.000				
60500070	REMOV MAN - MAIN FLOW	EACH	6.000				
60500080	REMOV CB - MAIN FLOW	EACH	4.000				
60500090	REM INLET- MAIN FLOW	EACH	15.000				
60500405	FILL VALVE VLTS	EACH	5.000				
60603800	COMB CC&G TB6.12	FOOT	2,340.000				
60605000	COMB CC&G TB6.24	FOOT	25,249.000				
60605500	COMB CC&G TB6.24 VWGF	FOOT	72.000				
60608600	COMB CC&G TM6.06	FOOT	202.000				
60609100	COMB CC&G TM6.06 VWGF	FOOT	140.000				

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60610400	COMB CC&G TM6.24	FOOT	161.000				
60618300	CONC MEDIAN SURF 4	SQ FT	2,911.000				
60620000	CONC MED TSB6.24	SQ FT	4,473.000				
60900515	CONC THRUST BLOCKS	EACH	89.000				
63000001	SPBGR TY A 6FT POSTS	FOOT	775.000				
63100045	TRAF BAR TERM T2	EACH	3.000				
63100085	TRAF BAR TERM T6	EACH	1.000				
63100167	TR BAR TRM T1 SPL TAN	EACH	4.000				
63200310	GUARDRAIL REMOV	FOOT	528.000				
63700900	CONC BARRIER BASE	FOOT	1,303.000				
64300240	IMP ATTEN FRD NAR TL2	EACH	2.000				
66400205	CH LK FENCE 5	FOOT	27.000				
66900200	NON SPL WASTE DISPOSL	CU YD	16,700.000				
66900450	SPL WASTE PLNS/REPORT	L SUM	1.000				
66900530	SOIL DISPOSAL ANALY	EACH	5.000				

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67100100	MOBILIZATION	L SUM	1.000				
70103815	TR CONT SURVEILLANCE	CAL DA	720.000				
70106800	CHANGEABLE MESSAGE SN	CAL MO	121.000				
70300210	TEMP PVT MK LTR & SYM	SQ FT	655.000				
70300220	TEMP PVT MK LINE 4	FOOT	61,524.000				
70300240	TEMP PVT MK LINE 6	FOOT	4,288.000				
70300250	TEMP PVT MK LINE 8	FOOT	98.000				
70300260	TEMP PVT MK LINE 12	FOOT	267.000				
70300280	TEMP PVT MK LINE 24	FOOT	626.000				
70301000	WORK ZONE PAVT MK REM	SQ FT	94,466.000				
70400100	TEMP CONC BARRIER	FOOT	2,262.500				
70400200	REL TEMP CONC BARRIER	FOOT	1,462.500				
70600255	IMP ATTN TEMP FRN TL2	EACH	5.000				
70600322	IMP ATTN REL FRN TL2	EACH	6.000				
72000100	SIGN PANEL T1	SQ FT	1,285.000				

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72000200	SIGN PANEL T2	SQ FT	108.000				
72400100	REMOV SIN PAN ASSY TA	EACH	12.000				
72400200	REMOV SIN PAN ASSY TB	EACH	32.000				
72400310	REMOV SIGN PANEL T1	SQ FT	451.000				
72400320	REMOV SIGN PANEL T2	SQ FT	65.000				
72400500	RELOC SIN PAN ASSY TA	EACH	7.000				
72400600	RELOC SIN PAN ASSY TB	EACH	2.000				
72400710	RELOC SIGN PANEL T1	SQ FT	68.000				
72800100	TELES STL SIN SUPPORT	FOOT	2,047.000				
78000100	THPL PVT MK LTR & SYM	SQ FT	946.000				
78000200	THPL PVT MK LINE 4	FOOT	5,989.000				
78000400	THPL PVT MK LINE 6	FOOT	4,047.000				
78000600	THPL PVT MK LINE 12	FOOT	367.000				
78000650	THPL PVT MK LINE 24	FOOT	243.000				
78007100	PERM PVT MK LTR-SYM	SQ FT	655.000				

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78007110	PERM PVT MK - LINE 4	FOOT	37,318.000				
78007130	PERM PVT MK - LINE 6	FOOT	3,304.000				
78007150	PERM PVT MK - LINE 12	FOOT	267.000				
78007180	PERM PVT MK - LINE 24	FOOT	536.000				
78008200	POLYUREA PM T1 LTR-SY	SQ FT	1,352.000				
78008210	POLYUREA PM T1 LN 4	FOOT	7,118.000				
78008230	POLYUREA PM T1 LN 6	FOOT	10,790.000				
78008240	POLYUREA PM T1 LN 8	FOOT	1,199.000				
78008250	POLYUREA PM T1 LN 12	FOOT	2,526.000				
78008270	POLYUREA PM T1 LN 24	FOOT	667.000				
78100100	RAISED REFL PAVT MKR	EACH	1,084.000				
78100200	TEMP RAIS REF PVT MKR	EACH	1,284.000				
78200410	GUARDRAIL MKR TYPE A	EACH	23.000				
78200530	BAR WALL MKR TYPE C	EACH	339.000				
78201000	TERMINAL MARKER - DA	EACH	4.000				

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78300100	PAVT MARKING REMOVAL	SQ FT	13,390.000				
78300200	RAISED REF PVT MK REM	EACH	393.000				
80400100	ELECT SERV INSTALL	EACH	1.000				
80400200	ELECT UTIL SERV CONN	L SUM	1.000		25,050.000		25,050.000
80500010	SERV INSTALL GRND MT	EACH	2.000				
81028200	UNDRGRD C GALVS 2	FOOT	11,160.000				
81028210	UNDRGRD C GALVS 2 1/2	FOOT	98.000				
81028220	UNDRGRD C GALVS 3	FOOT	78.000				
81028230	UNDRGRD C GALVS 3 1/2	FOOT	61.000				
81028240	UNDRGRD C GALVS 4	FOOT	1,819.000				
81400100	HANDHOLE	EACH	19.000				
81400200	HD HANDHOLE	EACH	8.000				
81400300	DBL HANDHOLE	EACH	8.000				
81603000	UD 2#8 #8G XLPUSE 3/4	FOOT	206.000				
81603094	UD 4#8#8GXLPUSE .75P	FOOT	187.000				

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81603100	UD 4#6#6GXLPUSE 1 1/4	FOOT	5,731.000				
81603110	UD 4#4#6GXLPUSE 1 1/2	FOOT	8,935.000				
81683541	UD 8#4#6GXLPUSE 1.50P	FOOT	2,024.000				
82102400	LUM SV HOR MT 400W	EACH	52.000				
83050800	LT P A 47.5MH 12MA	EACH	22.000				
83050900	LT P A 47.5MH 2-12MA	EACH	11.000				
83600200	LIGHT POLE FDN 24D	FOOT	567.000				
83800205	BKWY DEV TR B 15BC	EACH	29.000				
84200500	REM LT UNIT SALV	EACH	28.000				
84200804	REM POLE FDN	EACH	28.000				
86400100	TRANSCIVER - FIB OPT	EACH	2.000				
87300925	ELCBL C TRACER 14 1C	FOOT	8,056.000				
87301215	ELCBL C SIGNAL 14 2C	FOOT	5,288.000				
87301225	ELCBL C SIGNAL 14 3C	FOOT	9,213.000				
87301245	ELCBL C SIGNAL 14 5C	FOOT	9,240.000				

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87301255	ELCBL C SIGNAL 14 7C	FOOT	5,623.000				
87301305	ELCBL C LEAD 14 1PR	FOOT	11,114.000				
87301805	ELCBL C SERV 6 2C	FOOT	327.000				
87301900	ELCBL C EGRDC 6 1C	FOOT	2,283.000				
87502500	TS POST GALVS 16	EACH	5.000				
87700150	S MAA & P 22	EACH	1.000				
87702890	STL COMB MAA&P 32	EACH	1.000				
87702980	STL COMB MAA&P 50	EACH	1.000				
87703050	STL COMB MAA&P 64	EACH	1.000				
87704301	S C MAA&P DMA 16 & 54	EACH	1.000				
87704303	S C MAA&P DMA 16 & 60	EACH	1.000				
87704318	S C MAA&P DMA 20 & 50	EACH	1.000				
87704319	S C MAA&P DMA 20 & 54	EACH	1.000				
87704402	S C MAA&P DMA 34 & 46	EACH	1.000				
87800100	CONC FDN TY A	FOOT	32.000				

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87800150	CONC FDN TY C	FOOT	8.000				
87800400	CONC FDN TY E 30D	FOOT	10.000				
87800415	CONC FDN TY E 36D	FOOT	88.000				
87800420	CONC FDN TY E 42D	FOOT	42.000				
88030020	SH LED 1F 3S MAM	EACH	26.000				
88030050	SH LED 1F 3S BM	EACH	1.000				
88030100	SH LED 1F 5S BM	EACH	4.000				
88030110	SH LED 1F 5S MAM	EACH	14.000				
88030240	SH LED 2F 1-3 1-5 BM	EACH	2.000				
88102717	PED SH LED 1F BM CDT	EACH	8.000				
88102747	PED SH LED 2F BM CDT	EACH	2.000				
88102757	PED SH LED 3F BM CDT	EACH	4.000				
88200210	TS BACKPLATE LOU ALUM	EACH	40.000				
88500100	INDUCTIVE LOOP DETECT	EACH	31.000				
88600100	DET LOOP T1	FOOT	329.000				

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88600700	PREFORM DETECT LOOP	FOOT	1,866.000				
88700200	LIGHT DETECTOR	EACH	7.000				
88700300	LIGHT DETECTOR AMP	EACH	2.000				
88800100	PED PUSH-BUTTON	EACH	20.000				
89000100	TEMP TR SIG INSTALL	EACH	2.000				
89502375	REMOV EX TS EQUIP	EACH	2.000				
89502380	REMOV EX HANDHOLE	EACH	39.000				
89502385	REMOV EX CONC FDN	EACH	17.000				

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STATUS OF UTILITIES TO BE ADJUSTED

Utility companies involved in this project have provided the following estimated dates:

Name Of Utility	Type	Location	Estimated Dates for Start and Completion of Relocation or Adjustments
AboveNet	Fiber Optic	STA 4042+04, 104 RT to 4045+00, 51 RT	25 Working Days
	Telephone	STA 583+55, 27 RT to 586+57, 30 RT	
AT&T LNS	Fiber Optic	STA 607+61, 48 RT	15 Working Days
AT&T	Telephone	STA 3985+05, 69 LT to 3985+15, 54 RT STA 3991+78, 70 LT to 3991+78, 55 RT STA 3998+60, 63 LT to 4013+80, 71 LT STA 4014+54, 76 RT to 4017+16, 70 RT STA 4015+52, 68 LT to 4015+52, 29 RT STA 4028+68, 66 LT to 4038+73, 74 LT STA 4028+75, 73 RT to 4030+91, 113 RT STA 4031+47, 52 LT to 4031+47, 108 RT STA 4041+37, 103 LT to 4045+00, 57 LT STA 597+26, 35 RT STA 599+30, 39 RT	209 Working Days

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City of Naperville	Electric	STA 3982+08, 66 LT to 3985+12, 80 LT STA 3984+96, 65 LT	15 Working Days
		STA 4028+71, 78 RT STA 4031+63, 64 LT	3 Working Days
		STA 4031+63, 54 RT	4 Working Days
		STA 4037+90, 75 RT to 4040+94, 99 RT	Completed
		STA 4037+90, 75 RT to 4040+94, 99 RT STA 4040+50, 65 LT STA 4040+94, 99 RT	21 Working Days
		STA 586+25, 27 RT STA 587+40, 29 RT STA 590+00, 36 RT STA 591+49, 34 RT STA 591+53, 47RT STA 593+08, 40 RT STA 594+57, 36 RT STA 595+76, 33 RT STA 597+22, 44 RT STA 601+92, 53 LT STA 602+20, 51 RT STA 603+00, 52 RT STA 610+27, 37 LT	100 Working Days
		STA 610+35, 45 RT to 610+90, 54 RT	32 Working Days
City of Naperville	Water	STA 3984+25, 45 LT STA 3991+53, 68 LT STA 4040+70, 58 LT	10 Working Days (See Note 1)

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Comcast	Cable	STA 3994+74, 55 RT STA 3998+34, 70 LT to 3998+36, 45 LT STA 3998+50, 51 RT STA 4014+52, 39 RT STA 4023+93, 39 RT STA 4031+48, 48 LT STA 4031+76, 45 RT STA 4031+83, 45 RT to 4036+59, 53 RT STA 4036+65, 49 RT	30 Working Days
ComEd	Electric Aerial	STA 3982+08 51, RT to 4045+00, 57 RT STA 582+60 49, LT to 600+77 92, LT	75 Working Days
	Underground Crossings	Various Locations	20 Working Days
KDL	Fiber Optic	STA 4031+83, 45 RT to 4040+88, 57 RT	90 Working Days
Nicor	Gas	STA 3982+08, 43 LT to 4013+74, 63 LT STA 3986+00, 46 RT to 3999+50, 45 RT STA 3991+60, 45 LT to 3991+68, 70 RT STA 4002+31, 88 LT to 4002+36, 53 LT STA 4013+01, 32 RT to 4014+45, 270 RT STA 4025+00, 65 LT to 4026+76, 65 LT STA 4031+41, 79 LT to 4031+41, 54 RT STA 4041+34, 58 LT STA 4042+73, 60 RT to 4045+00, 58 RT	125 Working Days
Unite	Fiber Optic	STA 3994+71, 51 RT to 3998+53, 50 RT STA 4024+96, 36 RT to 4030+82, 52 RT STA 606+62, 47 LT STA 606+82, 55 RT	90 Working Days

Verizon/MCI	Fiber Optic	STA 4040+80, 144 RT to 4045+00, 51 RT STA 586+00, 40 RT to 614+70, 44 RT STA 606+77, 43 LT	40 Working Days
WOW	Cable TV	STA 3998+52, 44 LT STA 3998+50, 53 RT STA 4001+65, 65 LT STA 4002+66, 63 LT to 4007+12, 65 LT STA 4008+70, 60 LT to 4010+18, 57 LT STA 4012+68, 54 LT to 4013+91, 66 LT STA 4014+54, 65 LT to 4015+45, 66 LT STA 584+74, 47 LT STA 589+64, 47 LT STA 590+71, 40 RT STA 593+44, 48 LT	30 Working Days
	Fiber Optic	STA 4015+48, 66 LT STA 4015+54, 37 RT	30 Working Days

Revised 5-5-2012

Note 1: See Traffic Control and Protection (Arterials) special provision for addition information regarding the completion of this work.

The above represents the best information available to the Department and is included for the convenience of the bidder. The applicable portions of Articles 105.07 and 107.31 of the Standard Specifications shall apply.

In accordance with 605 ILCS 5/9-113 of the Illinois Compiled Statutes, utility companies have 90 days to complete the relocate their facilities after receipt of written notice from the Department. The 90-day written notice will be sent to the utility companies after the following occurs:

- 1.) Proposed right of way is clear for award.
- 2.) Final plans have been sent to the utility companies.
- 3.) Utility permit is received by the Department and the Department is ready to issue said permit.
- 4.) If the permit has not been submitted, a 15 day letter is sent to the utility company notifying them they have 15 days to provide their permit application. After allowing 15 days for submission of the permit the 90 day notice is sent to the utility company. Any time within the 90 day relocation period the utility company may request a waiver for additional time to complete their relocation.

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Utility Company Contacts:

AboveNet/Zayo – Contact: Tim Payment – Tel: 630 203 8003
AT & T – Contact: Hector Garcia – Tel: 630 573 5465
AT&T LNS – Contact: Bobby Akhter – Tel: 630-810-6274
City of Naperville Electric - Contact: Larry Slate – Tel: 630 420 6192
City of Naperville Water – Contact: Amy Ries – Tel: 630-305-5937
Comcast Cable – Contact: Ted Wyman – Tel: 630-600-6349
Com Ed – Contact: David Schacht – Tel: 630 437 2129
KDL – Contact: Paul Baumann – Tel: 630-925-4751
Nicor Gas – Contact: Constance Lane – Tel: 630 388-3830
Unite – Contact: George Forbes – Tel: 478-832-0669
MCI – Contact: Marino Fernandez – Tel: 312-612-5216
WOW – Contact: Brian Hurd – Tel: 630-669-5227

EXISTING UTILITIES

The Contractor shall familiarize himself with the locations of all utilities and structures that may be found in the vicinity of the construction. The Contractor shall conduct his operations to avoid damage to the above-mentioned utilities and structures. Should any damage occur due to the Contractor's negligence, repairs shall be made by the Contractor at his expense in a manner acceptable to the Engineer.

The Contractor shall notify all utility owners of his construction schedule and shall coordinate constructions operations with utility owners so that relocation of utility lines and structures may proceed in an orderly manner. Notification shall be in writing, with copies transmitted to the Engineer.

COMPLETION DATE PLUS WORKING DAYS

Revise Article 108.05 (b) of the Standard Specifications as follows:

"When a completion date plus working days is specified, the Contractor shall complete all contract items and safely open all roadways to traffic by 11:59 PM on, July 31, 2015 except as specified herein.

The Contractor will be allowed to complete all clean-up work and punch list items within 10 working days after the completion date for opening the roadway to traffic. Under extenuating circumstances the Engineer may direct that certain items of work, not affecting the safe opening of the roadway to traffic, may be completed within the working days allowed for cleanup work and punch list items. Temporary lane closures for this work may be allowed at the discretion of the Engineer.

Article 108.09 or the Special Provision for "Failure to Complete the Work on Time", if included in this contract, shall apply to both the completion date and the number of working days.

Revised 5-5-2012

SPECIAL PROVISIONS:

Maintenance of Roadways
Restriction on Working Days After A Completion Date
Public Convenience and Safety (Distr 1)
Traffic Control Plan
Traffic Control and Protection (Arterials)
Permanent Pavement Marking
Temporary Raised Reflective Pavement Marker
Combination Concrete Curb and Gutter, Type B-6.12 (Special)
Aggregate Surface Course for Temporary Access
Temporary Pavement
Winterized Temporary Access
Type III Temporary Tape for Wet Conditions
Temporary Information Signing

BDE SPECIAL PROVISIONS:

Pavement Marking Removal
Pavement Patching
Polyurea Pavement Markings
Traffic Control Deficiency Deduction

TRAFFIC CONTROL AND PROTECTION (ARTERIALS)

Specific traffic control plan details and Special Provisions have been prepared for this contract. This work shall include all labor, materials, transportation, handling and incidental work necessary to furnish, install, maintain and remove all traffic control devices required as indicated in the plans and as approved by the Engineer.

When traffic is to be directed over a detour route, the Contractor shall furnish, erect, maintain and remove all applicable traffic control devices along the detour route according to the details shown in the plans.

In the areas in which the City of Naperville is to perform water main adjustments, the Contractor shall notify the City of Naperville Water contact person 14 calendar days prior to the date the Contractor will have the maintenance of traffic in place and the work zone established. When the maintenance of traffic is in place and the work zone has been established, the City of Naperville will complete the required water main adjustments in the time specified in the Status of Utilities special provision.

Method of Measurement. All traffic control (except Traffic Control and Protection (Expressways)) and temporary pavement markings) indicated on the traffic control plan details and specified in the Special Provisions will be measured for payment on a lump sum basis.

Basis of Payment. All traffic control and protection will be paid for at the contract lump sum price for TRAFFIC CONTROL AND PROTECTION (SPECIAL).

Temporary pavement markings will be paid for separately unless shown on a Standard.

Revised 5-5-2012

- Station 4002+00 to Station 4012+00 0 to 80 feet RT (Chase Bank and Strip Mall, 1316, 1320, 1356, and 1396 IL 59, Site 1496V2-46). 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: Lead.
- Station 3988+00 to Station 3993+00 0 to 80 feet LT (Townhomes, 1004-1014 IL 59, Site 1496V2-48). 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.

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.

Existing frames and grates are to remain unless otherwise noted in the contract plans or as directed by the Engineer. Frames and grates that are missing or damaged prior to construction shall be replaced. The type of replacement frame or grate shall be determined by the Engineer, and replacement and payment for same shall be in accordance with Section 604 and Article 104.02 respectively, of the Standard Specifications unless otherwise noted in the plans or Special Provisions.

Revised 5-5-2012

FIELD SPLICING OF SOLDIER PILES

The cost of any field splices in the retaining wall soldier piles required due to the aerial utility lines will not be paid for separately, but shall be included in the cost of "Furnishing Soldier Piles" of the type specified.

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 5-5-2012

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) ^{1/} Crushed Steel Slag ^{1/} 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) ^{1/} Crushed Steel Slag ^{1/} 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) ^{1/} Crushed Steel Slag ^{1/} Crushed Concrete

Added 5-5-2012

		<u>Other Combinations Allowed:</u>	
		<i>Up to...</i>	<i>With...</i>
		25% Limestone	Dolomite
		50% Limestone	Any Mixture D aggregate other than Dolomite
		75% Limestone	Crushed Slag (ACBF) ^{1/} 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) ^{1/} Crushed Steel Slag ^{1/}	
		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) ^{1/} , Crushed Steel Slag ^{1/} , 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.

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 BMRP 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, 8”

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.

DRILLED SOLDIER PILE RETAINING WALL

Effective: September 20, 2001

Revised: August 17, 2012

Description. This work shall consist of providing all labor, materials, and equipment necessary to fabricate and furnish the soldier piles, create and maintain the shaft excavations, set and brace the soldier piles into position and encase the soldier piles in concrete to the specified elevation. Also included in this work is the backfilling of the remainder of the shaft excavation with Controlled Low-Strength Material (CLSM), and the furnishing and installation of lagging. All work shall be according to the details shown on the plans and as directed by the Engineer.

The remainder of the retaining wall components as shown on the plans, such as concrete facing, shear studs, reinforcement bars, tie backs, hand rails, and various drainage items etc., are not included in this Special Provision but are paid for as specified elsewhere in this Contract.

Added 5-5-2012

Materials. The materials used for the soldier piles and lagging shall satisfy the following requirements:

- (a) The structural steel components for the soldier piles shall conform to the requirements of AASHTO M270, Grade 36 (M270M Grade 250), unless otherwise designated on the plans.
- (b) The soldier pile encasement concrete shall be Class DS according to Article 516.02.
- (c) The Controlled Low-Strength Material (CLSM), used for backfilling shaft excavations above the soldier pile encasement concrete and for backfilling secant lagging excavations, to the existing ground surface, shall be according to Section 1019.
- (d) Temporary casing shall be produced by electric seam, butt, or spiral welding to produce a smooth wall surface, fabricated from steel satisfying ASTM A252 Grade 2. The minimum wall thickness shall be as required to resist the anticipated installation and dewatering stresses, as determined by the Contractor, but in no case less than 1/4 in. (6 mm).
- (e) Drilling slurry shall consist of a polymer or mineral base material. Mineral slurry shall have both a mineral grain size that will remain in suspension with sufficient viscosity and gel characteristics to transport excavated material to a suitable screening system. The percentage and specific gravity of the material used to make the suspension shall be sufficient to maintain the stability of the excavation and to allow proper concrete placement. For polymer slurry, the calcium hardness of the mixing water shall not exceed 100 mg/L.
- (f) Timber Lagging. The minimum tabulated unit stress in bending (F_b), used for the design of the timber lagging, shall be 1000 psi (6.9 MPa) unless otherwise specified on the plans. When treated timber lagging is specified on the plans, the method of treatment shall be according to Article 1007.12. All timber shall meet the inspection requirements of Article 1007.01.
- (g) Precast Concrete Lagging. Precast concrete lagging shall be according to Section 504 of the Standard Specifications, except as modified herein. Unless specified otherwise, precast concrete lagging surfaces exposed to view in the completed wall shall be finished according to Article 503.15. When specified on the plans, the exposed surface shall be finished with a concrete form liner approved by the Engineer. The back face of the panel shall be roughly screeded to eliminate open pockets of aggregate and surface distortions in excess of 1/4 in. Reinforcement for precast concrete lagging shall be epoxy coated. Lifting inserts shall have a total minimum design capacity based on yield strength of 4 times the dead load calculated for the width of lagging used. Fabric bearing pads, when specified on the plans, shall meet the requirements of Section 1082. Threaded inserts, or other accessories, cast into the precast concrete lagging shall be galvanized according to AASHTO M111 or M232 as applicable.

Equipment. The drilling equipment shall have adequate capacity, including power, torque and down thrust, to create a shaft excavation of the maximum diameter specified to a depth of 20 percent beyond the depths shown on the plans. Concrete equipment shall be according to Article 1020.03.

Added 5-5-2012

Construction Requirements. The shaft excavation for each soldier pile shall extend to the tip elevation indicated on the plans for soldier piles terminating in soil or to the required embedment in rock when rock is indicated on the contract plans. The Contractor shall satisfy the following requirements:

- (a) Drilling Methods. The soldier pile installation shall be according to Articles 516.06(a),(b), or(c).

No shaft excavation shall be made adjacent to a soldier pile with encasement concrete that has a compressive strength less than 1500 psi (10.35 MPa), nor adjacent to secant lagging until the CLSM has reach sufficient strength to maintain its position and shape unless otherwise approved by the Engineer. Materials removed or generated from the shaft excavations shall be disposed of by the Contractor according to Article 202.03. Excavation by blasting will not be permitted.

- (b) Drilling Slurry. During construction, the level of the slurry shall be maintained at a height sufficient to prevent caving of the hole. In the event of a sudden or significant loss of slurry to the hole, the construction of that shaft shall be stopped and the shaft excavation backfilled or supported by temporary casing until a method to stop slurry loss, or an alternate construction procedure, has been developed and approved by the Engineer.

- (c) Obstructions. Obstructions shall be defined as any object (such as but not limited to, boulders, logs, old foundations, etc.) that cannot be removed with normal earth drilling procedures, but requires special augers, tooling, core barrels or rock augers to remove the obstruction. When obstructions are encountered, the Contractor shall notify the Engineer and upon concurrence of the Engineer, the Contractor shall begin working to core, break up, push aside, or remove the obstruction. Lost tools or equipment in the excavation, as a result of the Contractor's operation, shall not be defined as obstructions and shall be removed at the Contractor's expense.

- (d) Top of Rock. The top of rock will be considered as the point where rock, defined as bedded deposits and conglomerate deposits exhibiting the physical characteristics and difficulty of rock removal as determined by the Engineer, is encountered which cannot be drilled with earth augers and/or underreaming tools configured to be effective in the soils indicated in the contract documents, and requires the use of special rock augers, core barrels, air tools, blasting, or other methods of hand excavation.

- (e) Design Modifications. If the top of rock elevation encountered is below that estimated on the plans, such that the soldier pile length above rock is increased by more than 10 percent, the Engineer shall be contacted to determine if any soldier pile design changes are required. In addition, if the type of soil or rock encountered is not similar to that shown in the subsurface exploration data, the Engineer shall be contacted to determine if revisions are necessary.

Added 5-5-2012

- (f) Soldier Pile Fabrication and Placement. The soldier pile is defined as the structural steel section(s) shown on the plans as well as any connecting plates used to join multiple sections. The types of soldier piles shall be defined as HP, W Sections, or Built-Up Sections. Cleaning and painting of all steel components, when specified, shall be as shown on the plans and accomplished according to Section 506. This work will not be paid for separately, but shall be considered included in the cost of Furnishing Soldier Piles of the type specified.

The soldier pile shall be shop fabricated such that no field welding is required. The Contractor shall attach suitable bracing or support to maintain the position of the soldier pile within the shaft excavation such that the final location will satisfy the Construction Tolerances portion of this Special Provision. The bracing or supports shall remain in place until the concrete for encasement has reached a minimum compressive strength of 1500 psi (10.35 MPa).

When embedment in rock is indicated on the plans, modification to the length of a soldier pile may be required to satisfy the required embedment. The modification shall be made to the top of the soldier pile unless otherwise approved by the Engineer. When the top of rock encountered is above the estimated elevation indicated on the plans, the soldier piles shall be cut to the required length. If the top of rock encountered is below that estimated on the plans, the Contractor shall either furnish longer soldier piles or splice on additional length of soldier pile per Article 512.05(a) to satisfy the required embedment in rock. In order to avoid delays, the Contractor may have additional soldier pile sections fabricated as necessary to make the required adjustments. Additional soldier pile quantities, above those shown on the plans, shall not be furnished without prior written approval by the Engineer.

- (g) Concrete Placement. Concrete work shall be performed according to Article 516.12 and as specified herein.

The soldier pile encasement concrete pour shall be made in a continuous manner from the bottom of the shaft excavation to the elevation indicated on the plans. Concrete shall be placed as soon as possible after the excavation is completed and the soldier pile is secured in the proper position. Uneven levels of concrete placed in front, behind, and on the sides of the soldier pile shall be minimized to avoid soldier pile movement, and to ensure complete encasement.

Following the soldier pile encasement concrete pour, the remaining portion of the shaft excavation shall be backfilled with CLSM according to Section 593. CLSM Secant lagging placement shall be placed as soon as practical after the shaft excavation is cleared.

- (h) Construction Tolerances. The soldier piles shall be drilled and located within the excavation to satisfy the following tolerances:

- (1) The center of the soldier pile shall be within 1 1/2 in. (38 mm) of plan station and 1/2 in. (13 mm) offset at the top of the shaft.
- (2) The out of vertical plumbness of the soldier pile shall not exceed 0.83 percent.

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(3) The top of the soldier pile shall be within ± 1 in. (± 25 mm) of the plan elevation.

- (i) Timber Lagging. Timber lagging, when required by the plans, installed below the original ground surface, shall be placed from the top down as the excavation proceeds. Lagging shown above grade shall be installed and backfilled against prior to installing any permanent facing to minimize post construction deflections. Over-excavation required to place the timber lagging behind the flanges of the soldier piles shall be the minimum necessary to install the lagging. Any voids produced behind the lagging shall be filled with porous granular embankment at the Contractor's expense. When the plans require the Contractor to design the timber lagging, the design shall be based on established practices published in FHWA or AASHTO documents considering lateral earth pressure, construction loading, traffic surcharges and the lagging span length(s). The nominal thickness of the lagging selected shall not be less than 3 in. (75 mm) and shall satisfy the minimum tabulated unit stress in bending (F_b) stated elsewhere in this Special Provision. The Contractor shall be responsible for the successful performance of the lagging system until the concrete facing is installed. When the nominal timber lagging thickness(s) and allowable stress are specified on the plans, the timber shall be according to Article 1007.03.
- (j) Precast Concrete Lagging. Precast concrete lagging, when required by the plans, installed below the original ground surface, shall be placed from the top down as the excavation proceeds. Lagging shown above grade shall be installed and backfilled against prior to installing any permanent facing to minimize post construction deflections. Over-excavation required to place the precast lagging behind the flanges of the soldier piles shall be the minimum necessary to install the lagging. Any voids produced behind the lagging shall be filled with porous granular embankment at the Contractor's expense. When the plans require the Contractor to design the precast concrete lagging, the design shall be based on established practices published in FHWA or AASHTO documents considering lateral earth pressure, construction loading, traffic surcharges and the lagging span length(s). The Contractor shall be responsible for the successful performance of the lagging system until the permanent concrete facing, when specified on the plans, is installed. The precast concrete lagging shall be reinforced with a minimum of 0.31 square inches/foot (655 Sq. mm/meter) of horizontal and vertical reinforcement per unit width of lagging with a minimum thickness of 3 in. (75 mm).

When precast concrete lagging is exposed to view in the completed wall, shop drawings for the lagging shall be submitted according to Article 1042.03(b) and Article 105.04 of the Standard Specifications. The supplier selected by the Contractor shall submit complete design calculations and shop drawings, prepared and sealed by an Illinois Licensed Structural Engineer, for approval by the Engineer.

- (k) Structure Excavation. When structure excavation is necessary to place a concrete facing, it shall be made and paid for according to Section 502 except that the horizontal limits for structure excavation shall be from the face of the soldier pile to a vertical plane 2 ft. (600 mm) from the finished face of the wall. The depth shall be from the top of the original ground surface to the bottom of the concrete facing. The additional excavation necessary to place the lagging whether through soil or CLSM shall be included in this work.

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- (l) Geocomposite Wall Drain. When required by the plans, the geocomposite wall drain shall be installed and paid for according to Section 591 except that, in the case where a concrete facing is specified on the plans, the wall drain shall be installed on the concrete facing side of the lagging with the pervious (fabric) side of the drain installed to face the lagging. When a concrete facing is not specified on the plans, the pervious (fabric) side of the drain shall be installed to face the soil. In this case, the drain shall be installed in stages as the lagging is installed. The wall drain shall be placed in sections and spliced, or kept on a continuous roll, so that as each piece of lagging is placed, the drain can be properly located as the excavation proceeds.

Method of Measurement. The furnishing of soldier piles will be measured for payment in feet (meters) along the centerline of the soldier pile for each of the types specified. The length shall be determined as the difference between the plan top of soldier pile and the final as built shaft excavation bottom.

The drilling and setting of soldier piles in soil and rock, will be measured for payment and the volumes computed in cubic feet (cubic meters) for the shaft excavation required to set the soldier piles according to the plans and specifications, and accepted by the Engineer. These volumes shall be the theoretical volumes computed using the diameter(s) of the shaft(s) shown in the plans and the depth of the excavation in soil and/or rock as appropriate. The depth in soil will be defined as the difference in elevation between the ground surface at the time of concrete placement and the bottom of the shaft excavation or the top of rock (when present), whichever is encountered first. The depth in rock will be defined as the difference in elevation between the measured top of rock and the bottom of the shaft excavation.

Drilling and placing CLSM secant lagging shall be measured for payment in cubic feet (cubic meters) of the shaft excavation required to install the secant lagging as shown in the plans. This volume shall be the theoretical volume computed using the diameter(s) shown on the plans and the difference in elevation between the as built shaft excavation bottom and the ground surface at the time of the CLSM placement.

Timber and precast concrete lagging shall be measured for payment in square feet (square meters) of lagging installed to the limits as shown on the plans. The quantity shall be calculated using the minimum lagging length required on the plans multiplied by the as-installed height of lagging, for each bay of lagging spanning between the soldier piles.

Basis of Payment. The furnishing of soldier piles will be paid for at the contract unit price per foot (meter) for FURNISHING SOLDIER PILES, of the type specified, for the total number of feet (meters) furnished to the job site. The cost of any field splices required due to changes in top of rock elevation shall be paid for according to Article 109.04.

The drilling and setting of soldier piles will be paid for at the contract unit price per cubic foot (cubic meter) for DRILLING AND SETTING SOLDIER PILES (IN SOIL) and DRILLING AND SETTING SOLDIER PILES (IN ROCK). The required shaft excavation, soldier pile encasement concrete and any CLSM backfill required around each soldier pile will not be paid for separately but shall be included in this item.

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Timber lagging will be paid for at the contract unit price per square foot (square meter) for UNTREATED TIMBER LAGGING, or TREATED TIMBER LAGGING as detailed on the plans. Precast concrete lagging will be paid for at the contract unit price per square foot (square meter) for PRECAST CONCRETE LAGGING as detailed on the plans.

The secant lagging will be paid for at the contract unit price per cubic foot (cubic meter) for SECANT LAGGING. The required shaft excavation and CLSM backfill required to fill that excavation shall be included in this item.

Obstruction mitigation shall be paid for according to Article 109.04.

No additional compensation, other than noted above, will be allowed for removing and disposing of excavated materials, for furnishing and placing concrete, CLSM, bracing, lining, temporary casings placed and removed or left in place, or for any excavation made or concrete placed outside of the plan diameter(s) of the shaft(s) specified.

PIPE UNDERDRAINS FOR STRUCTURES

Effective: May 17, 2000

Revised: January 22, 2010

Description. This work shall consist of furnishing and installing a pipe underdrain system as shown on the plans, as specified herein, and as directed by the Engineer.

Materials. Materials shall meet the requirements as set forth below:

The perforated pipe underdrain shall be according to Article 601.02 of the Standard Specifications. Outlet pipes or pipes connecting to a separate storm sewer system shall not be perforated.

The drainage aggregate shall be a combination of one or more of the following gradations, FA1, FA2, CA5, CA7, CA8, CA11, or CA13 thru 16, according to Sections 1003 and 1004 of the Standard Specifications.

The fabric surrounding the drainage aggregate shall be Geotechnical Fabric for French Drains according to Article 1080.05 of the Standard Specifications.

Construction Requirements. All work shall be according to the applicable requirements of Section 601 of the Standard Specifications except as modified below.

The pipe underdrains shall consist of a perforated pipe drain situated at the bottom of an area of drainage aggregate wrapped completely in geotechnical fabric and shall be installed to the lines and gradients as shown on the plans.

Added 5-5-2012

Method of Measurement. Pipe Underdrains for Structures shall be measured for payment in feet (meters), in place. Measurement shall be along the centerline of the pipe underdrains. All connectors, outlet pipes, elbows, and all other miscellaneous items shall be included in the measurement. Concrete headwalls shall be included in the cost of Pipe Underdrains for Structures, but shall not be included in the measurement for payment.

Basis of Payment. This work will be paid for at the contract unit price per foot (meter) for PIPE UNDERDRAINS FOR STRUCTURES of the diameter specified. Furnishing and installation of the drainage aggregate, geotechnical fabric, forming holes in structural elements and any excavation required, will not be paid for separately, but shall be included in the cost of the pipe underdrains for structures.

GRANULAR BACKFILL FOR STRUCTURES

Effective: April 19, 2012

Revised: October 30, 2012

Revise Section 586 of the Standard Specifications to read:

SECTION 586. GRANULAR BACKFILL FOR STRUCTURES

586.01 Description. This work shall consist of furnishing, transporting and placing granular backfill for abutment structures.

586.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Fine Aggregate.....	1003.04
(b) Coarse Aggregates	1004.05

CONSTRUCTION REQUIREMENTS

586.03 General. This work shall be done according to Article 502.10 except as modified below. The backfill volume shall be backfilled, with granular material as specified in Article 586.02, to the required elevation as shown in the contract plans. The backfill volume shall be placed in convenient lifts for the full width to be backfilled. Unless otherwise specified in the contract plans, mechanical compaction will not be required. A deposit of gravel or crushed stone placed behind drain holes shall not be required. All drains not covered by geocomposite wall drains or other devices to prevent loss of backfill material shall be covered by sufficient filter fabric material meeting the requirements of Section 1080 and Section 282 with either 6 or 8 oz/sq yd (200 or 270 g/sq m) material allowed, with free edges overlapping the drain hole by at least 12 in. (300 mm) in all directions.

The granular backfill shall be brought to the finished grade as shown in the contract plans. When concrete is to be cast on top of the granular backfill, the Contractor, subject to approval of the Engineer, may prepare the top surface of the fill to receive the concrete as he/she deems necessary for satisfactory placement at no additional cost to the Department.

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586.04 Method of Measurement. This work will be measured for payment as follows.

- (a) Contract Quantities. The requirements for the use of contract quantities shall conform to Article 202.07(a).
- (b) Measured Quantities. This work will be measured for payment in place and the volume computed in cubic yards (cubic meters). The volume will be determined by the method of average end areas behind the abutment.

586.05 Basis of Payment. This work will be paid for at the contract unit price per cubic yard (cubic meter) for GRANULAR BACKFILL FOR STRUCTURES.

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.

Application	Gradation
Blotter	CA 15
Granular Embankment, Granular Backfill, Bedding, and Trench Backfill for Pipe Culverts and Storm Sewers	CA 6, CA 9, CA 10, CA 12, CA17, CA18, and CA 19
Porous Granular Embankment, Porous Granular Backfill, and French Drains	CA 7, CA 8, CA 11, CA 15, CA 16 and CA 18”

Added 5-5-2012

LIQUIDATED DAMAGES (BDE)

Effective: April 1, 2013

Revise the table in Article 108.09 of the Standard Specifications to read:

"Schedule of Deductions for Each Day of Overrun in Contract Time			
Original Contract Amount		Daily Charges	
From More Than	To and Including	Calendar Day	Work Day
\$ 0	\$ 100,000	\$ 475	\$ 675
100,000	500,000	750	1,050
500,000	1,000,000	1,025	1,425
1,000,000	3,000,000	1,275	1,725
3,000,000	6,000,000	1,425	2,000
6,000,000	12,000,000	2,300	3,450
12,000,000	And over	6,775	9,525"

PAVEMENT MARKING REMOVAL (BDE)

Effective: April 1, 2009

Add the following to the end of the first paragraph of Article 783.03(a) of the Standard Specifications:

"The use of grinders will not be allowed on new surface courses."

Added 5-5-2012