Illinois Department of Transportation
2300 South Dirksen Parkway / Springfield, Illinois / 62764

September 16, 2011

SUBJECT: FAP Route 330 (IL 21)
Section 128 R-3
Lake County
Contract No. 60953
Item No. 57, September 23, 2011 Letting
Addendum A

NOTICE TO PROSPECTIVE BIDDERS:

Attached is an addendum to the plans or proposal. This addendum involves revised and/or added material.

1. Replaced the Schedule of Prices.
2. Revised the Table of Contents to the Special Provisions.
3. Revised pages 1, 2, 22, 24, 31-33, 36-38, 81, 82, 94, 95 & 209-213 of the Special Provisions.
4. Added pages 315 - 319 to the Special Provisions.
5. Revised sheets 2, 3, 5, 7, 8, 9, 11-15, 15A, 15B, 17, 40-45, 50, 51A, 58, 97, 99, 109, 113, 173-177, 177A, 195, 203, 205, 206, 207A, 217, 226, 229, 230, 232, 233, 286, 289, 290, 291, 341, 342, 350, 352, 353, 354, 381, 427, 443, 456, 457 & 458 of the Plans.
6. Added sheets 209A & 224A to the Plans.
7. Deleted sheets 208 & 214 of the Plans.

Prime contractors must utilize the enclosed material when preparing their bid and must include any Schedule of Prices changes in their bidding proposal.

Bidders using computer-generated bids are cautioned to reflect any and all Schedule of Prices changes, if involved, into their computer programs.

Very truly yours,

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

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

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

TBW:MS:jc

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF PRICES
CONTRACT NUMBER - 60953

State Job # - C-91-199-00
PPS NBR - 1-71388-0200
County Name - LAKE- -
Code - 97 - -
District - 1 - -
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Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
A2000120	T-ACERX FREM AB 2-1/2	EACH	10.000				
A2002616	T-CARYA CORD 2	EACH	2.000				
A2002920	T-CELTIS OCCID 2-1/2	EACH	4.000				
A2005120	T-JUGLANS NIGRA 2-1/2	EACH	12.000				
A2005520	T-NYSSA SYLVAT 2-1/2	EACH	2.000				
A2005620	T-OSTRYA VIRG 2-1/2	EACH	13.000				
A2006420	T-QUERCUS ALBA 2-1/2	EACH	10.000				
A2006520	T-QUERCUS BICOL 2-1/2	EACH	3.000				
A2006720	T-QUERCUS MACR 2-1/2	EACH	21.000				
A2016818	T-QUERC SCH SBO 1-3/4	EACH	4.000				
B2000766	T-AMEL X GF AB SF 6'	EACH	3.000				
B2001666	T-CRATAE CRU-I SF 6'	EACH	10.000				
C2C01524	S-CORNUS RACEMOSA 2'C	EACH	20.000				
C2C05824	S-RHUS AROMA GRO 2'C	EACH	750.000				
C2C11830	S-VIBURN D MR 2-1/2'C	EACH	20.000				

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C2C12724	S-VIBURN PRUN 2'C	EACH	12.000				
XX000610	RELOCATE EX MAILBOX	EACH	18.000				
XX001186	PLANTER REMOVAL	EACH	3.000				
XX005940	REMOTE CONTR VIDEO SY	EACH	1.000				
XX006655	LYR II DATALINK SWTCH	EACH	1.000				
XX007023	STAIN CONC STRUCTURES	SQ YD	1,023.000				
XX008253	VIDEO ENCODER	EACH	1.000				
X0301797	GATE REMOVAL	EACH	2.000				
X0324455	DRILL/SET SOLD P SOIL	CU FT	4,445.000				
X0325751	DRIVE SOLDIER PILES	FOOT	1,763.000				
X0325796	GATES REM & RE-ERECT	EACH	1.000				
X0326309	RELO R-C VIDEO SYS SP	EACH	1.000				
X0326310	RELO EX SWITCH SPL	EACH	1.000				
*REV X0326658	CUR-IN-PL PIPE LNR 10	FOOT	777.000				
X0326713	SANITARY SEWER CONN	EACH	7.000				

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X0327351	AGG SUBGRADE 12 SPL	SQ YD	116,970.000				
X0327352	TS WOOD POLE 60 CL 4	EACH	20.000				
X0327353	STORMWTR TRTMT SYS L1	L SUM	1.000				
X0327354	STORMWTR TRTMT SYS L2	L SUM	1.000				
X0327355	SPLIT RL FEN WIREMESH	FOOT	823.000				
X0487800	SAN SEW REMOV 12	FOOT	486.000				
X2070304	POROUS GRAN EMB SPEC	CU YD	749.000				
*REV X2080250	TRENCH BACKFILL SPL	CU YD	1,102.000				
X2501800	SEEDING CL 4 MOD	ACRE	4.890				
X2501820	SEEDING CL 5 MOD	ACRE	0.560				
X2510635	HD EROS CONT BLANK SP	SQ YD	5,490.000				
X2520701	SODDING TYPE 1	SQ YD	782.000				
X2520702	SODDING TYPE 2	SQ YD	350.000				
X2520703	SODDING TYPE 3	SQ YD	1,053.000				
X4021000	TEMP ACCESS- PRIV ENT	EACH	11.000				

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X4022000	TEMP ACCESS- COM ENT	EACH	33.000				
X4023000	TEMP ACCESS- ROAD	EACH	8.000				
X4402020	CONC MEDIAN SURF REM	SQ FT	554.000				
X4402800	ISLAND PAVEMENT REM	SQ YD	90.000				
X5539700	SS CLEANED	FOOT	600.000				
*REV X5610004	D I WTR MN FITTINGS	POUND	2,385.000				
*REV X5610706	WATER MAIN REMOV 6	FOOT	496.000				
*REV X5610708	WATER MAIN REMOV 8	FOOT	935.000				
X5610710	WATER MAIN REMOV 10	FOOT	27.000				
*REV X5610712	WATER MAIN REMOV 12	FOOT	250.000				
X6020096	MH TA 6D W/2 T1FCL RP	EACH	3.000				
*REV X6022820	MAN SAN 5 DIA T1F CL	EACH	6.000				
X6023508	INLETS TA W/SPL F&G	EACH	2.000				
X6026054	SAN MAN REMOVED	EACH	3.000				
*REV X6026622	VV REMOVED	EACH	5.000				

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X6060052	COMB CC&G TB6.24 SPL	FOOT	12,563.000				
*REV X6700410	ENGR FLD OFF A SPL	CAL MO	20.000				
X7010216	TRAF CONT & PROT SPL	L SUM	1.000				
X7030025	WET REF TEM TP T3 L&S	SQ FT	1,161.600				
X7030030	WET REF TEM TAPE T3 4	FOOT	86,695.000				
X7030040	WET REF TEM TAPE T3 6	FOOT	6,515.000				
X7030055	WET REF TEM TPE T3 24	FOOT	800.000				
X7240600	REM RE-ERECT EX SIGN	EACH	2.000				
X8211070	UNDERPASS LUM 70W MH	EACH	32.000				
X8301236	LT P WD 60CL4 15MA IO	EACH	17.000				
X8301237	LT P WD 60C4 2-15MAIO	EACH	3.000				
X8570225	FAC T4 CAB SPL	EACH	2.000				
X8710029	FIB OPT CBL 24F SM	FOOT	27,837.000				
X8711100	TAFOC62.5/125MM12SM12	FOOT	3,553.000				
*REV X8730250	ELCBL C 20 3C TW SH	FOOT	1,702.000				

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X8730800	ELCBL C VIDE0 20 4C	FOOT	314.000				
X8900030	REM EX TEMP TS EQUIP	EACH	1.000				
*REV Z0004638	PAVT BREAKING	SQ YD	19,475.000				
*ADD Z0004640	PAVD SHOULDR BREAKING	SQ YD	4,946.000				
Z0005216	HMA STAB 6 AT SPBGR	SQ YD	1,433.000				
Z0007118	UNTREATED TIMBER LAG	SQ FT	5,468.000				
Z0007430	TEMP SIDEWALK	SQ FT	3,000.000				
Z0013302	SEGMENT CONC BLK WALL	SQ FT	1,120.000				
Z0013797	STAB CONSTR ENTRANCE	SQ YD	1,678.000				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000				
Z0018500	DRAINAGE STR CLEANED	EACH	10.000				
Z0022800	FENCE REMOVAL	FOOT	2,700.000				
Z0026402	FUR SOLDIER PILES HP	FOOT	2,905.000				
Z0026407	TEMP SHT PILING	SQ FT	3,775.000				
Z0030260	IMP ATTN TEMP FRN TL3	EACH	16.000				

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Z0030332	IMP ATTN REL FRN TL3	EACH	6.000				
Z0030850	TEMP INFO SIGNING	SQ FT	1,000.000				
*REV Z0033020	LUM SFTY CABLE ASMBLY	EACH	46.000				
Z0033028	MAINTAIN LIGHTING SYS	CAL MO	18.000				
*ADD Z0033046	RE-OPTIMIZE SIG SYS 2	EACH	1.000				
Z0033050	COAXIAL CABLE IN CON	FOOT	314.000				
*DELETE ~~Z0033056~~	~~OPTIM TRAF SIGNAL SYS~~	~~EACH~~	~~1.000~~				
Z0042002	POROUS GRAN EMB SUBGR	CU YD	28,780.000				
Z0046304	P UNDR FOR STRUCT 4	FOOT	1,553.000				
Z0056608	STORM SEW WM REQ 12	FOOT	100.000				
Z0056610	STORM SEW WM REQ 15	FOOT	100.000				
Z0056612	STORM SEW WM REQ 18	FOOT	100.000				
Z0056800	SAN SEW 6	FOOT	70.000				
Z0057100	SAN SEW 12	FOOT	466.000				
Z0062456	TEMP PAVEMENT	SQ YD	5,740.000				

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Z0064800	SELECTIVE CLEARING	UNIT	5.000				
Z0073002	TEMP SOIL RETEN SYSTM	SQ FT	15,585.000				
Z0073345	SLEEPER SLAB	FOOT	401.000				
Z0073510	TEMP TR SIGNAL TIMING	EACH	2.000				
*REV 20100110	TREE REMOV 6-15	UNIT	1,659.000				
*REV 20100210	TREE REMOV OVER 15	UNIT	2,233.000				
20101000	TEMPORARY FENCE	FOOT	14,170.000				
20101200	TREE ROOT PRUNING	EACH	10.000				
20101300	TREE PRUN 1-10	EACH	50.000				
20101350	TREE PRUN OVER 10	EACH	50.000				
20200100	EARTH EXCAVATION	CU YD	53,164.000				
20201200	REM & DISP UNS MATL	CU YD	7,421.000				
20400800	FURNISHED EXCAVATION	CU YD	54,104.000				
20800150	TRENCH BACKFILL	CU YD	13,180.000				
21001000	GEOTECH FAB F/GR STAB	SQ YD	24,532.000				

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21101505	TOPSOIL EXC & PLAC	CU YD	13,724.000				
25000100	SEEDING CL 1	ACRE	0.070				
25000210	SEEDING CL 2A	ACRE	11.070				
25000300	SEEDING CL 3	ACRE	1.140				
25000400	NITROGEN FERT NUTR	POUND	1,729.000				
25000600	POTASSIUM FERT NUTR	POUND	1,729.000				
25100105	MULCH METHOD 1	ACRE	5.000				
25100115	MULCH METHOD 2	ACRE	5.000				
25100125	MULCH METHOD 3	ACRE	5.000				
25100135	MULCH METHOD 4	ACRE	5.000				
25100630	EROSION CONTR BLANKET	SQ YD	53,597.000				
25100900	TURF REINF MAT	SQ YD	508.000				
25200110	SODDING SALT TOLERANT	SQ YD	6,011.000				
25200200	SUPPLE WATERING	UNIT	100.000				
28000200	EARTH EXC - EROS CONT	CU YD	550.000				

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28000250	TEMP EROS CONTR SEED	POUND	2,682.000				
28000305	TEMP DITCH CHECKS	FOOT	93.000				
28000400	PERIMETER EROS BAR	FOOT	31,147.000				
28000500	INLET & PIPE PROTECT	EACH	215.000				
28000510	INLET FILTERS	EACH	218.000				
28001000	AGGREGATE - EROS CONT	TON	60.000				
28100101	STONE RIPRAP CL A1	SQ YD	518.000				
28100103	STONE RIPRAP CL A2	SQ YD	22.000				
28100105	STONE RIPRAP CL A3	SQ YD	518.000				
28100203	STONE RIPRAP CL A2	TON	6.000				
28200200	FILTER FABRIC	SQ YD	540.000				
31200502	STAB SUBBASE HMA 4.5	SQ YD	112,173.000				
35101400	AGG BASE CSE B	TON	1,666.000				
35501316	HMA BASE CSE 8	SQ YD	4,705.000				
40300100	BIT MATLS PR CT	GALLON	5,236.000				

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40600300	AGG PR CT	TON	13.000				
40603080	HMA BC IL-19.0 N50	TON	2,500.000				
40603085	HMA BC IL-19.0 N70	TON	200.000				
40603310	HMA SC "C" N50	TON	1,133.000				
40603335	HMA SC "D" N50	TON	396.000				
42000416	PCC PVT 9 3/4 JOINTD	SQ YD	89,602.000				
42001420	BR APPR PVT CON (PCC)	SQ YD	1,402.000				
42300400	PCC DRIVEWAY PAVT 8	SQ YD	312.000				
42400200	PC CONC SIDEWALK 5	SQ FT	100,110.000				
42400300	PC CONC SIDEWALK 6	SQ FT	160.000				
42400800	DETECTABLE WARNINGS	SQ FT	16.000				
44000100	PAVEMENT REM	SQ YD	56,761.000				
44000165	HMA SURF REM 4	SQ YD	2,159.000				
44000200	DRIVE PAVEMENT REM	SQ YD	8,621.000				
44000500	COMB CURB GUTTER REM	FOOT	11,806.000				

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44000600	SIDEWALK REM	SQ FT	5,362.000				
44004250	PAVED SHLD REMOVAL	SQ YD	3,245.000				
44200144	PAVT PATCH T2 12	SQ YD	60.000				
48101100	AGGREGATE SHLDS A 12	SQ YD	50.000				
48300415	PCC SHOULDERS 9 3/4	SQ YD	608.000				
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				
50100700	REM EXIST STRUCT N5	EACH	1.000				
50101500	REM EXIST SUP-STR	EACH	1.000				
50102400	CONC REM	CU YD	81.000				
50104400	CONC HDWL REM	EACH	7.000				
50105220	PIPE CULVERT REMOV	FOOT	1,528.000				
50200100	STRUCTURE EXCAVATION	CU YD	3,159.000				

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50200450	REM/DISP UNS MATL-STR	CU YD	7,925.000				
50300100	FLOOR DRAINS	EACH	8.000				
50300225	CONC STRUCT	CU YD	1,254.600				
50300255	CONC SUP-STR	CU YD	617.500				
50300260	BR DECK GROOVING	SQ YD	529.000				
50300285	FORM LINER TEX SURF	SQ FT	9,154.000				
50300300	PROTECTIVE COAT	SQ YD	1,544.000				
50500305	ERECT STRUCT STEEL	L SUM	1.000				
50500505	STUD SHEAR CONNECTORS	EACH	6,997.000				
50800105	REINFORCEMENT BARS	POUND	70,540.000				
50800205	REINF BARS, EPOXY CTD	POUND	278,010.000				
50800515	BAR SPLICERS	EACH	841.000				
50901750	PARAPET RAILING	FOOT	638.000				
51200958	FUR M S PILE 14X0.250	FOOT	2,535.000				
51202305	DRIVING PILES	FOOT	2,535.000				

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51203200	TEST PILE MET SHELLS	EACH	2.000				
51204650	PILE SHOES	EACH	149.000				
51500100	NAME PLATES	EACH	3.000				
52000110	PREF JT STRIP SEAL	FOOT	190.000				
52100210	ERECT ELAS BRG ASY T1	EACH	11.000				
52100520	ANCHOR BOLTS 1	EACH	22.000				
54003000	CONC BOX CUL	CU YD	386.000				
54010402	PCBC 4X2	FOOT	184.000				
54010503	PCBC 5X3	FOOT	99.000				
54010706	PCBC 7X6	FOOT	222.000				
54010803	PCBC 8X3	FOOT	116.000				
*DELETE ~~54010804~~	~~PCBC 8X4~~	~~FOOT~~	~~107.000~~				
*ADD 54010805	PCBC 8X5	FOOT	107.000				
542A1057	P CUL CL A 2 12	FOOT	72.000				
542A1063	P CUL CL A 2 18	FOOT	366.000				

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542A1069	P CUL CL A 2 24	FOOT	461.000				
542A1075	P CUL CL A 2 30	FOOT	123.000				
5421A042	P CUL CL A 1 42 TEMP	FOOT	32.000				
54213657	PRC FLAR END SEC 12	EACH	7.000				
54213663	PRC FLAR END SEC 18	EACH	10.000				
54213666	PRC FLAR END SEC 21	EACH	1.000				
54213669	PRC FLAR END SEC 24	EACH	9.000				
54213675	PRC FLAR END SEC 30	EACH	2.000				
54213681	PRC FLAR END SEC 36	EACH	2.000				
54247130	GRATING-C FL END S 24	EACH	9.000				
54247150	GRATING-C FL END S 30	EACH	2.000				
54247170	GRATING-C FL END S 36	EACH	2.000				
550A0040	STORM SEW CL A 1 10	FOOT	158.000				
550A0050	STORM SEW CL A 1 12	FOOT	672.000				
550A0070	STORM SEW CL A 1 15	FOOT	537.000				

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550A0090	STORM SEW CL A 1 18	FOOT	174.000				
550A0110	STORM SEW CL A 1 21	FOOT	92.000				
550A0120	STORM SEW CL A 1 24	FOOT	162.000				
550A0160	STORM SEW CL A 1 36	FOOT	147.000				
550A0180	STORM SEW CL A 1 42	FOOT	105.000				
550A0340	STORM SEW CL A 2 12	FOOT	6,685.000				
550A0360	STORM SEW CL A 2 15	FOOT	2,000.000				
550A0380	STORM SEW CL A 2 18	FOOT	814.000				
550A0400	STORM SEW CL A 2 21	FOOT	1,195.000				
550A0410	STORM SEW CL A 2 24	FOOT	2,754.000				
550A0430	STORM SEW CL A 2 30	FOOT	592.000				
550A0450	STORM SEW CL A 2 36	FOOT	1,366.000				
550A0470	STORM SEW CL A 2 42	FOOT	128.000				
550A2320	SS RG CL A 1 12	FOOT	100.000				
550A2330	SS RG CL A 1 15	FOOT	100.000				

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550A2340	SS RG CL A 1 18	FOOT	100.000				
55100500	STORM SEWER REM 12	FOOT	3,076.000				
55100900	STORM SEWER REM 18	FOOT	512.000				
55101200	STORM SEWER REM 24	FOOT	1,285.000				
*REV 56103000	D I WATER MAIN 6	FOOT	463.000				
*REV 56103100	D I WATER MAIN 8	FOOT	746.000				
*REV 56103200	D I WATER MAIN 10	FOOT	353.000				
*REV 56103300	D I WATER MAIN 12	FOOT	212.000				
56104900	WATER VALVES 6	EACH	1.000				
*REV 56105000	WATER VALVES 8	EACH	6.000				
*REV 56105100	WATER VALVES 10	EACH	1.000				
*REV 56105200	WATER VALVES 12	EACH	1.000				
*REV 56200700	WATER SERV LINE 2	FOOT	610.000				
*REV 56201800	CORP STOPS 2	EACH	14.000				
*REV 56400500	FIRE HYDNTS TO BE REM	EACH	5.000				

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*REV 56400820	FIRE HYD W/AUX V & VB	EACH	3.000				
*REV 56500800	DOM WAT SER BOX	EACH	14.000				
58700300	CONCRETE SEALER	SQ FT	2,197.000				
59100100	GEOCOMPOSITE WALL DR	SQ YD	918.000				
*ADD 59300100	CONTR LOW-STRENG MATL	CU YD	50.000				
60100060	CONC HDWL FOR P DRAIN	EACH	4.000				
60107600	PIPE UNDERDRAINS 4	FOOT	2,633.000				
60200105	CB TA 4 DIA T1F OL	EACH	1.000				
60200805	CB TA 4 DIA T8G	EACH	21.000				
60201105	CB TA 4 DIA T11F&G	EACH	2.000				
60201340	CB TA 4 DIA T24F&G	EACH	89.000				
60206905	CB TC T1F OL	EACH	1.000				
60218400	MAN TA 4 DIA T1F CL	EACH	74.000				
60221100	MAN TA 5 DIA T1F CL	EACH	11.000				
60223800	MAN TA 6 DIA T1F CL	EACH	3.000				

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Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
60236200	INLETS TA T8G	EACH	3.000				
60236600	INLETS TA T9F&G	EACH	7.000				
60236800	INLETS TA T11F&G	EACH	8.000				
60237470	INLETS TA T24F&G	EACH	81.000				
*REV 60248900	VV TA 5 DIA T1F CL	EACH	9.000				
60250200	CB ADJUST	EACH	6.000				
60252800	CB RECONST	EACH	1.000				
60255500	MAN ADJUST	EACH	19.000				
60257900	MAN RECONST	EACH	6.000				
60260100	INLETS ADJUST	EACH	7.000				
60266100	VV RECONST	EACH	1.000				
60500040	REMOV MANHOLES	EACH	14.000				
60500050	REMOV CATCH BAS	EACH	13.000				
60500060	REMOV INLETS	EACH	21.000				
60600605	CONC CURB TB	FOOT	2,616.000				

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Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
60602800	CONC GUTTER TB	FOOT	410.000				
60603500	COMB CC&G TB6.06	FOOT	72.000				
60603800	COMB CC&G TB6.12	FOOT	1,935.000				
60605000	COMB CC&G TB6.24	FOOT	24,983.000				
60608600	COMB CC&G TM6.06	FOOT	72.000				
60620000	CONC MED TSB6.24	SQ FT	27,790.000				
60622000	CONC MED TSM2.12	SQ FT	21,072.000				
60623200	CONC MED TSM6.24	SQ FT	1,260.000				
63000001	SPBGR TY A 6FT POSTS	FOOT	138.000				
63000003	SPBGR TY A 9FT POSTS	FOOT	3,571.000				
63100045	TRAF BAR TERM T2	EACH	13.000				
63100085	TRAF BAR TERM T6	EACH	4.000				
63100167	TR BAR TRM T1 SPL TAN	EACH	16.000				
63200310	GUARDRAIL REMOV	FOOT	897.000				
*ADD 66900200	NON SPL WASTE DISPOSL	CU YD	60,000.000				

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Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
*ADD 66900450	SPL WASTE PLNS/REPORT	L SUM	1.000				
*ADD 66900530	SOIL DISPOSAL ANALY	EACH	5.000				
67100100	MOBILIZATION	L SUM	1.000				
70103815	TR CONT SURVEILLANCE	CAL DA	400.000				
70106800	CHANGEABLE MESSAGE SN	CAL MO	96.000				
70300210	TEMP PVT MK LTR & SYM	SQ FT	363.000				
70300220	TEMP PVT MK LINE 4	FOOT	50,820.000				
70300240	TEMP PVT MK LINE 6	FOOT	1,270.000				
70300280	TEMP PVT MK LINE 24	FOOT	119.000				
70301000	WORK ZONE PAVT MK REM	SQ FT	50,629.000				
70400100	TEMP CONC BARRIER	FOOT	7,975.000				
70400200	REL TEMP CONC BARRIER	FOOT	1,375.000				
72000100	SIGN PANEL T1	SQ FT	764.500				
72000200	SIGN PANEL T2	SQ FT	76.300				
72800100	TELES STL SIN SUPPORT	FOOT	270.000				

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Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
72900100	METAL POST TY A	FOOT	758.000				
72900200	METAL POST TY B	FOOT	689.000				
73100100	BASE TEL STL SIN SUPP	EACH	20.000				
78000100	THPL PVT MK LTR & SYM	SQ FT	9.200				
78000200	THPL PVT MK LINE 4	FOOT	1,710.000				
78008200	POLYUREA PM T1 LTR-SY	SQ FT	671.000				
78008210	POLYUREA PM T1 LN 4	FOOT	19,066.000				
78008230	POLYUREA PM T1 LN 6	FOOT	7,764.000				
78008240	POLYUREA PM T1 LN 8	FOOT	2,231.000				
78008250	POLYUREA PM T1 LN 12	FOOT	969.000				
78008270	POLYUREA PM T1 LN 24	FOOT	539.000				
78100100	RAISED REFL PAVT MKR	EACH	825.000				
78100105	RAISED REF PVT MKR BR	EACH	10.000				
78200410	GUARDRAIL MKR TYPE A	EACH	113.000				
78200530	BAR WALL MKR TYPE C	EACH	400.000				

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Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
78201000	TERMINAL MARKER - DA	EACH	27.000				
78300100	PAVT MARKING REMOVAL	SQ FT	11,042.000				
80400100	ELECT SERV INSTALL	EACH	2.000				
80400200	ELECT UTIL SERV CONN	L SUM	1.000		6,000.000		6,000.000
80500020	SERV INSTALL POLE MT	EACH	2.000				
81000300	CON T 1 GALVS	FOOT	100.000				
*REV 81000600	CON T 2 GALVS	FOOT	16,357.000				
*REV 81000700	CON T 2 1/2 GALVS	FOOT	79.000				
81000800	CON T 3 GALVS	FOOT	87.000				
81000900	CON T 3 1/2 GALVS	FOOT	14.000				
81001000	CON T 4 GALVS	FOOT	60.000				
*REV 81018500	CON P 2 GALVS	FOOT	2,333.000				
*REV 81018600	CON P 2 1/2 GALVS	FOOT	98.000				
81018700	CON P 3 GALVS	FOOT	790.000				
81018900	CON P 4 GALVS	FOOT	1,389.000				

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81200100	CON EMB STR 1 GALVS	FOOT	220.000				
*ADD 81200120	CON EMB STR 2 GALVS	FOOT	231.000				
81400100	HANDHOLE	EACH	36.000				
81400200	HD HANDHOLE	EACH	6.000				
*REV 81400300	DBL HANDHOLE	EACH	5.000				
81603110	UD 4#4#6GXLPUSE 1 1/2	FOOT	3,529.000				
81700110	EC C EPR RHW 1C 10	FOOT	960.000				
81701115	EC C EPR USE 1C 2	FOOT	255.000				
81800320	A CBL 3-1C4 MESS WIRE	FOOT	4,118.000				
*REV 81900200	TR & BKFIL F ELECT WK	FOOT	19,036.000				
*REV 82102400	LUM SV HOR MT 400W	EACH	46.000				
82500330	LT CONT PEDM 240V 60	EACH	1.000				
82500350	LT CONT BASEM 240V100	EACH	1.000				
*REV 83050810	LT P A 47.5MH 15MA	EACH	17.000				
*REV 83600200	LIGHT POLE FDN 24D	FOOT	119.000				

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Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
*REV 83800205	BKWY DEV TR B 15BC	EACH	17.000				
84100110	REM TEMP LIGHT UNIT	EACH	18.000				
*REV 84200500	REM LT UNIT SALV	EACH	9.000				
84200804	REM POLE FDN	EACH	9.000				
84500110	REMOV LIGHTING CONTR	EACH	1.000				
84500120	REMOV ELECT SERV INST	EACH	1.000				
84500130	REMOV LTG CONTR FDN	EACH	1.000				
85000200	MAIN EX TR SIG INSTAL	EACH	3.000				
86200120	UNINTER POWER SUPPLY	EACH	2.000				
87200400	SPAN WIRE	FOOT	3,043.000				
87300925	ELCBL C TRACER 14 1C	FOOT	27,837.000				
87301215	ELCBL C SIGNAL 14 2C	FOOT	3,692.000				
87301225	ELCBL C SIGNAL 14 3C	FOOT	5,949.000				
87301245	ELCBL C SIGNAL 14 5C	FOOT	5,386.000				
87301255	ELCBL C SIGNAL 14 7C	FOOT	3,133.000				

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87301305	ELCBL C LEAD 14 1PR	FOOT	9,785.000				
87301805	ELCBL C SERV 6 2C	FOOT	64.000				
87301900	ELCBL C EGRDC 6 1C	FOOT	1,270.000				
87502440	TS POST GALVS 10	EACH	1.000				
87502500	TS POST GALVS 16	EACH	6.000				
87702596	S MAA & P DMA 38 & 40	EACH	1.000				
87702940	STL COMB MAA&P 42	EACH	1.000				
*ADD 87703030	STL COMB MAA&P 60	EACH	1.000				
87703050	STL COMB MAA&P 64	EACH	2.000				
87703070	STL COMB MAA&P 66	EACH	1.000				
*DELETE ~~87703090~~	~~STL COMB MAA&P 70~~	~~EACH~~	~~1.000~~				
87800100	CONC FDN TY A	FOOT	28.000				
87800150	CONC FDN TY C	FOOT	8.000				
87800415	CONC FDN TY E 36D	FOOT	13.000				
*REV 87800420	CONC FDN TY E 42D	FOOT	109.000				

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*REV 87900200	DRILL EX HANDHOLE	EACH	4.000				
88030020	SH LED 1F 3S MAM	EACH	14.000				
88030050	SH LED 1F 3S BM	EACH	1.000				
88030100	SH LED 1F 5S BM	EACH	2.000				
88030110	SH LED 1F 5S MAM	EACH	5.000				
88030240	SH LED 2F 1-3 1-5 BM	EACH	5.000				
88102717	PED SH LED 1F BM CDT	EACH	4.000				
88102747	PED SH LED 2F BM CDT	EACH	4.000				
88102757	PED SH LED 3F BM CDT	EACH	2.000				
88200210	TS BACKPLATE LOU ALUM	EACH	19.000				
88500100	INDUCTIVE LOOP DETECT	EACH	28.000				
*DELETE ~~88600100~~	~~DET LOOP T1~~	~~FOOT~~	~~66.000~~				
*REV 88600700	PREFORM DETECT LOOP	FOOT	1,832.000				
88700200	LIGHT DETECTOR	EACH	6.000				
88700300	LIGHT DETECTOR AMP	EACH	2.000				

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88800100	PED PUSH-BUTTON	EACH	20.000				
89000100	TEMP TR SIG INSTALL	EACH	2.000				
*REV 89502300	REM ELCBL FR CON	FOOT	25,211.000				
89502375	REMOV EX TS EQUIP	EACH	1.000				
89502380	REMOV EX HANDHOLE	EACH	17.000				
89502385	REMOV EX CONC FDN	EACH	8.000				

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STATE OF ILLINOIS

SPECIAL PROVISIONS

The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction", adopted January 1, 2007, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways" and the "Manual of Test Procedures for Materials" in effect on the date of invitation for bids, and the "Supplemental Specifications and Recurring Special Provisions" indicated on the Check Sheet included herein which apply to and govern the construction of FAP 330 (IL 21), Section 128R-3, in Lake County, Contract 60953 and in case of conflict with any part, or parts, of said Specifications, the said Special Provisions shall take precedence and shall govern.

FAP Route 330 (Illinois Route 21-Milwaukee Avenue)
South of IL Route 120 to South of IL Route 137 (Buckley Road)
Contract No. 60953
Section 128R-3
Lake County

LOCATION OF PROJECT

This improvement on Illinois Route 21 (Milwaukee Avenue) begins at Station 175+00 just south of IL Route 120 and extends in a southerly direction through the Village of Gurnee and the project ends at Station 291+16 about 1844 feet south of Illinois Route 137 (Buckley Road). This includes a section of Illinois Route 137 (Buckley Road) at Station 451+00 about 918 feet west of Illinois Route 21 to Station 471+20 about 1102 feet east of Illinois Route 21. The roadway improvement gross length on Illinois Route 21 is 11,616 feet (2.200 miles) and the gross length on Illinois Route 137 is 2020 feet (0.383 mi).

DESCRIPTION OF PROJECT

This work includes the widening and reconstruction of new PCC pavement along IL 21 (Milwaukee Avenue) south of IL 120 to south of IL 137, new structure (bridge) replacement of IL 21 over Bull Creek, replacement of existing culvert with a double 7’ x 6’ box culvert south of Casey Road and a second 8’ x 4’ box culvert just north of Egidi Road for the Des Plaines Tributaries, a new 18’ x 11’ multi-use trail underpass crossing south of Casey Road, and the construction of eight retaining walls and two segmental concrete block walls along IL Route 21. The project also includes improvements to the drainage system and construction of retention ponds and the modernization and installation of the traffic signals along IL Route 21. There is also reconstruction of new PCC pavement along IL Route 137 east and west of IL Route 21 and all incidental and collateral work necessary to complete the project as shown on the plans and as described herein.

STATUS OF UTILITIES TO BE ADJUSTED

Effective: January 30, 1987 Revised: July 1, 1994

Utility companies with facilities within the vicinity of the project are:

Name of Utility	Phone Number
North Shore Sanitary District	(847) 623-6060

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Lake County Department of Public Works	(847) 377-7135
Comcast	(630) 600-6347
AT&T	(847) 888-6847
Lake County Division of Transportation	(847) 362-3950
ComEd	(847) 816-5521
MCI	(847) 631-4461
North Shore Gas	(847) 263-4680
Village of Libertyville	(847) 918-2100

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

Name of Utility	Type	Location	Estimated Time of Relocation or Adjustments
Com Ed	Poles	Entire length	160 Days
Com Ed	Transmission tower	Station214+00	4 weeks
MCI	Fiber Optic	South of IL 137	4 weeks
Northshore Gas	Gas Main	Various	4 to 6 months
AT&T	Aerial Lines	Variuos	45 days after Com Ed and Comcast complete their work
AT&T	Buried Cable	Various	120 days
AT&T	Box & Support Work	Various	120 days, can be done simultaneously with the buried cable 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.

EXISTING UTILITIES

Existing utilities shown on the plans are based on information obtained from utilities companies, municipalities, and surveys. The County does not guarantee the accuracy or completeness of this information. The Contractor shall notify J.UL.I.E. at 811 or 1-800-892-0123 for utility locations at least forty-eight (48) hours prior to construction start.

RESTRICTION ON WORKING DAYS AFTER A COMPLETION DATE

Effective: January 21, 2003 Revised: January 1, 2007

All temporary lane closures during the period governed by working days after a completion date will not be permitted during the hours of 6:00 a.m. to 9:00 a.m. and 3:00 p.m. to 6:00 p.m. Monday through Friday.

All lane closure signs shall not be erected any earlier than one-half (1/2) hour before the starting hours listed above. Also, these signs should be taken down within one-half (1/2) hour after the closure is removed.

Failure to Open Traffic Lanes to Traffic: Should the Contractor fail to completely open and keep open all the traffic lanes to traffic in accordance with the limitations specified above, the Contractor shall be liable and shall pay to the Department the amount of $250 per lane blocked, not as a penalty but as liquidated and ascertained damages, for each and every 15 minute interval or a portion thereof that a lane is blocked outside the allowable time limitations. The Department may deduct such damages from any monies due the Contractor. These damages shall apply during the period governed by working days after a completion date and any extensions of that contract time.

FAILURE TO COMPLETE THE WORK ON TIME

Effective: September 30, 1985 Revised: January 1, 2007
Revised 09/16/2011

When embankments are to be constructed on hillsides or existing slopes that are steeper than 3H:1V, steps shall be keyed into the existing slope by stepping and benching as shown in the plans or as directed by the engineer.

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

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

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

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

Stability. The requirement for embankment stability in Article 205.04 will be measured with a Dynamic Cone Penetrometer (DCP) according to the test method in the IDOT Geotechnical Manual. The penetration rate must be equal or less than 1.5 inches (38 mm) per blow.

Basis of Payment. This work will not be paid separately but will be considered as included in the various items of excavation.

AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS
Effective: April 1, 2001 Revised: January 2, 2007

Revise Article 402.10 of the Standard Specifications to read:

"**402.10 For Temporary Access.** The contractor shall construct and maintain aggregate surface course for temporary access to private entrances, commercial entrances and roads according to Article 402.07 and as directed by the Engineer.

The aggregate surface course shall be constructed to the dimensions and other grades specified below, except as modified by the plans or as directed by the Engineer.

a) Private Entrance. The minimum width shall be 12 ft. (3.6 m). The minimum compacted thickness shall be 6 in. (150 mm). The maximum grade shall be eight percent, except as required to match the existing grade.

b) Commercial Entrance. The minimum width shall be 24 ft. (7.2 m). The minimum compacted thickness shall be 9 in. (230 mm). The maximum grade shall be six percent, except as required to match the existing grade.

Revised 09/16/2011

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).

CLEANING EXISTING DRAINAGE STRUCTURES
Effective: September 30, 1985 Revised: January 1, 2007

All existing storm sewers, pipe culverts, manholes, catch basins and inlets shall be considered as drainage structures insofar as the interpretation of this Special Provision is concerned. When specified for payment, the location of drainage structures to be cleaned will be shown on the plans.

All existing drainage structures which are to be adjusted or reconstructed shall be cleaned in accordance with Article 602.15 of the Standard Specifications. This work will be paid for in accordance with Article 602.16 of the Standard Specifications.

All other existing drainage structures which are specified to be cleaned on the plans will be cleaned according to Article 602.15 of the Standard Specifications.

Basis of Payment. This work will be paid for at the contract unit price each for DRAINAGE STRUCTURES TO BE CLEANED, and at the contract unit price per foot (meter) for STORM SEWERS TO BE CLEANED.

COMBINATION CONCRETE CURB AND GUTTER, TYPE B6-24, SPECIAL

Description:
This work shall be performed in accordance with Section 606 of the Standard Specifications except as herein modified.

The width of the vertical face of the curb shall be 10 inches as shown in the detail on the plans.
Revised 09/16/2011

METHOD OF MEASUREMENT. The quantity of STORMWATER TREATMENT SYSTEM, of the numbered location specified, will be measured for payment for each system installed in the complete and accepted work.

BASIS OF PAYMENT. This work will be paid for at the contract lump sum price for STORMWATER TREATMENT SYSTEM, of the numbered location specified. One complete unit shall be defined as the treatment structure, diversion structure, and inlet and outlet piping between these two structures. Payment will be full compensation for furnishing, transporting, handling, and placing the materials specified, including all integral concrete sections, reinforcing steel, sealants, frames, grates, mortar, brick, internal weir wall materials and components, and other accessories and appurtenances required for a complete and functioning system; testing the system; performing any required
excavation, bedding, backfilling, and surface restoration; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

ISLAND PAVEMENT REMOVAL
Effective October 10, 2006

This work shall consist of the removal and disposal of the islands as shown on the plans. This work shall be done in accordance with applicable portions of Section 440 of the Standard Specifications and shall include the removal of the concrete island surface, concrete curb & gutter, and excavation below the concrete to a depth of the bottom of the adjacent concrete pavement.

This work will be paid for at the contract unit price per Square Foot for ISLAND PAVEMENT REMOVAL.

PAVED SHOULDER REMOVAL

Description. This item shall be in accordance to Section 440 of the Standard Specifications except that all sawcuts required for this work will not be measured for payment and shall be included in the contract unit price for PAVED SHOULDER REMOVAL.

SAW CUTTING

This item refers to all locations where a saw cut is required for the removal of pavement, curb and gutter, median, sidewalk, butt joints, and any other structure which are all one piece with no construction joints. This saw cut shall be made at the limits of construction or other areas as required to perform the proposed improvements shown on the plans. The saw cut shall be accomplished with a “pavement saw”. Vermeer type trenchers will not be allowed for final saw cut at the limits of construction.

Saw cutting shall not be paid for separately, but shall be considered INCLUDED in the unit contract price of the related removal item.

WORK ZONE PAVEMENT MARKING AND REMOVAL

This work shall consist of installing and removing temporary pavement marking according to Section 703 and 783 of the Standard Specifications and the following:

Revised 09/16/2011

Paint pavement marking shall be used on the final wearing surface when the temporary pavement marking will conflict with the permanent pavement marking such as on tapers, crossovers and lane shifts.

Pavement marking paint (temporary or permanent) installed on final wearing surface shall be removed by hydro-blasting, using the high pressure water spray at approximately 25,000 PSI, with maximum flow rate of 15 gal/min. Hydro-blasting equipment to be used shall be approved by Engineer prior to the start of pavement marking removal. Payment for this work shall be made under contract pay item for " WORK ZONE PAVEMENT MARKING REMOVAL" SQ.FT. (70301000)

CONCRETE HEADWALL REMOVAL

Description. This work shall consist of removing existing concrete headwalls in their entirety according to Section 605 of the Standard Specifications as modified herein.

General Requirements. Existing headwalls called out on the Plans for removal shall be completely removed by methods approved by the Engineer in such a manner that does not damage existing culverts to remain. All associated wingwalls, aprons, keys or stem walls, collars, grates, and related appurtenances shall also be removed. Any sawcutting directed by the Engineer to obtain a smooth separation from the headwall and existing culverts to remain shall be considered included in this work.

Method of Measurement. This work will be measured in place per each headwall removed.

Basis of Payment. Payment for CONCRETE HEADWALL REMOVAL will be made at the Contract unit price per each, complete in place and accepted, as specified herein, regardless of size or type (single culvert or multiple culverts).

FENCE REMOVAL

This work shall consist of removing fencing, posts, hardware, and foundations at locations shown on the plans. The material shall be legally disposed of off-site.

Method of Measurement. This work shall be measured on a per foot basis measured horizontally from end post to end post.

Basis of Payment. This item shall be paid for at the contract unit price per foot for FENCE REMOVAL, which price shall include all labor and materials necessary to complete the work described herein and as shown on the plans.

SPLIT RAIL FENCE WITH WIRE MESH

Description: This work shall consist of constructing Split Rail Fence with Wire Mesh and accessories at locations shown on the plans. The material shall be legally disposed of off-site.

Method of Measurement: This work will be measured on a per foot basis measured horizontally from end post to end post

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Basis of Payment: This item shall be paid for at the contract unit price per foot for SPLIT RAIL FENCE WITH WIRE MESH, which price shall include all labor and materials necessary to complete the work described herein and as shown on the plans.

GATE REMOVAL

Description: This work shall consist of removing existing gate, salvage and delivered to Lake County Forest Preserve District for future reinstallation by them at locations shown on the plans.

Method of Measurement: This work will be measured on a per each basis.

Basis of Payment: This item shall be paid for at the contract unit price per each for GATE REMOVAL, which price shall include all labor and materials necessary to complete the work described herein and as shown on the plans.

REMOVE AND RE-ERECT EXISTING SIGN

Description: This work shall consist of remove and re-erect sign at location shown on the plans. A landscape wall with dimensions 8'R x 3.5'R will be constructed around the sign approximately at station 231+93, 42' LT. with form line texture. The wall shall be designed and constructed according to the lines, grades, and dimensions shown on the contract plans

Method of Measurement: This work will be measured on a per each basis.

Basis of Payment: This item shall be paid for at the contract unit price per each for REMOVE AND RE-ERECT EXISTING SIGN, which price shall include all labor and materials necessary to complete the work described herein and as shown on the plans.

PIPE CULVERT REMOVAL

Description. This item shall consist of the removal and satisfactory disposal of existing pipe culverts. The work shall be performed in accordance with the applicable portion of Section 501 of the Standard Specifications, as shown on the plans and as directed by the Engineer.

General Requirements. All materials resulting from the removal of existing pipe culverts shall be disposed by the Contractor according to Article 202.03 of the Standard Specifications. The hole formed by the removal of existing pipe culverts shall then be backfilled and compacted in accordance with Section 205 of the Standard Specifications.

Method of Measurement. PIPE CULVERT REMOVAL will be measured for payment in place, in feet along the invert of the existing culvert.

Basis of Payment. Payment for PIPE CULVERT REMOVAL will be made at the Contract unit price per foot, regardless of size or type of material, which price shall constitute full compensation for removing and disposing of the existing pipe culvert, backfilling, compaction, and for all labor, equipment, tools and incidentals necessary to complete the work as specified.

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The Contractor shall notify the Engineer at least 48 hours prior to placing concrete. Concrete shall not be placed until the Engineer has inspected the formwork and the placement of reinforcing bars for compliance with the plans.

The Contractor shall apply the form release agent to all surfaces of the form liner which will come in contact with concrete, according to the manufacturers' recommendations.

The Contractor shall employ proper consolidation methods to ensure the highest quality finish. Internal vibration shall be achieved with a vibrator of appropriate size, the highest frequency and low to moderate amplitude. Concrete placement shall be in lifts not to exceed 1.5 feet. Internal vibrator operation shall be at appropriate intervals and depths and withdrawn slowly enough to assure a minimal amount of surface air voids and the best possible finish without causing segregation. An external form vibrator may be required to assure the proper results. The use of an external form vibrator must be approved by the form liner manufacturer and the Department.

The Contractor shall coordinate concrete pours to prevent visible differences between individual pours or batches. Concrete pours shall be continuous between construction or expansion joints. Cold joints shall not occur within continuous form liner pattern fields.

The form liners shall be stripped between 12 and 24 hours as recommended by the manufacturer. When stripping the forms the Contractor shall avoid creating defects in finished surface.

Wall ties shall be coordinated with the liner and form to achieve the least visible result. Place form ties at thinnest points of molds (high points of finished wall). Neatly patch the remaining hole after disengaging the protruding portion of the tie so that it will not be visible after coloring the concrete surface.

Where an expansion joint must occur at a point other than at mortar or rustication joints, such as at the face of concrete texture, which is to have the appearance of stone, consult manufacturer for proper treatment of expansion material.

Curing methods shall be according to Article 1020.13 of the "Standard Specifications" and compatible with the desired aesthetic result. The use of curing compounds will not be allowed. No rubbing of flat areas or other repairs should be required after form removal. The finished exposed formed concrete surfaces shall be free of visible vertical seams, horizontal seams, and butt joint marks. Grinding and chipping of finished formed surfaces shall be avoided.
Method of Measurement: Form Liner Textured Surfaces will be measured for payment in place and the area computed in square feet.

Basis of Payment: This work will be paid for at the contract unit price per square feet for FORM LINER TEXTURED SURFACE.

STAIN FOR CONCRETE STRUCTURES

Description: This work shall consist of staining the permanently exposed surfaces of designated concrete structures to replicate actual stone masonry.

The stain mix shall achieve the color variations present in natural limestone.

Revised 09/16/11

Final coloration of the cast stone concrete surface shall accurately simulate the appearance of real stone including the multiple colors, shades, flecking, and veining that is apparent in real stone. It shall also simulate the colors that may be present from aging, such as staining from oxidation, rusting and/or organic staining from soil and vegetation.

Materials: The stain shall create a surface finish that is breathable (allowing water vapor transmission), and that resists deterioration from water, acid, alkali, fungi, sunlight and/or weathering. The stain shall be odor free and V.O.C. compliant. The stain shall meet the requirements for weathering resistance of 2000 hours accelerated exposure.

Sample Panel: Upon receipt of notification of the style of form liner to be used the Contractor shall submit a proposed procedure for obtaining the simulated finish using the approved architectural form liner style and stain (see the special provision for FORM LINER TEXTURED SURFACE). The procedure shall include plans and details for the form liner pattern and dimensions, and be submitted for the Engineer's approval no later than 30 calendar days from the date of notification of approval of the style type. If such plans and details are not satisfactory to the Engineer and LCFPD, the Contractor shall make any changes as may be required by the Engineer or LCFPD at no additional cost to the Department.

Upon approval of the form liner plans and details, the Contractor shall submit a 3' by 3' (minimum) sample concrete panel of the simulated stone masonry finish to include staining. The sample panel shall be delivered and positioned on the job site at a location to be determined by the Engineer.

General: The surfaces to be stained shall be structurally sound, clean, dry, and fully cured. The concrete shall be at least 30 days old prior to applying the stain. Curing agents must be removed a minimum of 14 days prior to staining to allow the concrete to dry out.

Temperature and relative humidity conditions shall meet the manufacturer's application instructions. Do not apply the stain under rainy conditions or within three (3) days after surfaces become wet from rainfall or other moisture. Do not apply when the weatheris foggy or overcast.

The concrete surface shall be cleaned prior to the applying the stain materials. The methods and materials used for cleaning the substrate shall be as recommended by the manufacturer of the water-repellent stain. The Contractor shall insure that the surface is free of latency, dirt, dust, grease, efflorescence, paint, or other foreign material. The Contractor shall not use sandblasting as a cleaning method. The preferred method to remove latency is pressure washing with water, at a minimum 3000 psi (3-4 ga Vmin), using fan nozzle. The nozzle should be positioned perpendicular to and at a distance of 1-2 feet from the concrete surface. The cleaned surface shall be free of blemishes, discoloration, surface voids and unnatural form marks.

The stain shall be thoroughly mixed according to the manufacturer's directions using an air-driven or other explosion-proof power mixer. Mix all containers thoroughly prior to application. Do not thin the material. Materials shall be applied at the rate as recommended by the manufacturer. Absorption rates may be increased or decreased depending upon the surface texture and porosity of the substrate so as to achieve even staining.

A test area of 10 square feet shall be prepared and the stain applied to the surface to verify the surface preparation, adhesion and color. Once the Engineer has approved the results from the test area the application of the stain to the rest of the exposed surfaces may be completed.

Revised 09/16/11

Take precautions to ensure that workmen and work areas are adequately protected from fire and health hazards resulting from handling, mixing and application of materials. Furnish all the necessary equipment to complete the work. Provide drop cloths and other forms of protection necessary to protect all adjoining work and surfaces to render them completely free of overspray and splash from the concrete stain work. Any surfaces, which have been damaged or splattered, shall be cleaned, restored, or replaced to the satisfaction of the Engineer.

Avoid staining the "mortar joints" by providing suitable protection over the joints during the staining process.

Schedule the color stain application with earthwork and back-filling of any wall areas making sure that all simulated stone texture that might fall below grade is colored prior to back-filling. Delay adjacent plantings until color application is completed. Coordinate work to permit coloring applications without interference from other trades. Where exposed soil or pavement is adjacent which may spatter dirt or soil from rainfall, or where surface may be subject to over-spray from other processes, provide temporary cover of completed work.

Method of Measurement: The exposed surfaces stained, will be measured in place and the area computed in square yards.

Basis of Payment: This work will be paid for at the contract unit price per square yards for STAIN FOR CONCRETE STRUCTURES.

Note to Bidders: The straining quality and color for the designated concrete structures shall replicate the work that was completed on the existing Lake County Forest Preserve's Millennium Trail Underpass located on Fairfield Road, 1/8 mile south of Illinois Route 176 in Wauconda, Illinois

TRENCH BACKFILL, SPECIAL

This work shall consist of furnishing and transporting aggregate for use as backfilling material for all trenches made in the subgrade of the proposed improvement, and all trenches outside of the subgrade where the inner edge of the trench is closer than two feet (0.6 meters) to the edge of the proposed pavement, stabilized shoulder, curb or sidewalk. This work shall be done in accordance with Section 208 of the Standard Specifications, except as modified herein.

Material used for trench backfill shall be of CA-6 gradation and shall meet the requirements of Article 1004.04 of the Standard Specifications except crushed concrete and slag will not be allowed. The trench backfill shall be compacted in accordance with Method 1 or Method 3 described in Article 550.07 of the Standard Specifications. Method 2 (ponding) will not be allowed.

Trench Backfill shall be measured in accordance with Article 208.03 of the Standard Specifications. This work will be paid for at the Contract unit price per cubic yard (cubic meter) for TRENCH BACKFILL, SPECIAL.

DUCTILE IRON WATER MAIN

This item shall be constructed in accordance with the applicable portions of Section 561 of the STANDARD SPECIFICATIONS and with the applicable portions of Section 41 of the WATER AND SEWER SPECIFICATIONS except as modified herein.

Revised 09/16/11

Method Of Payment. The Contractor will be reimbursed to the exact amount of money as billed by ComEd for its services. Work provided by the Contractor for electric service will be paid separately as described under ELECTRIC SERVICE INSTALLATION. No extra compensation shall be paid to the Contractor for any incidental materials and labor required to fulfill the requirements as shown on the plans and specified herein.

For bidding purposes, this item shall be estimated as $6000.

Basis Of Payment. This work will be paid for at the contract lump sum price for **ELECTRIC UTILITY SERVICE CONNECTION** which shall be reimbursement in full for electric utility service charges.

Designers Note: The estimate of cost of service connections for bidding purposes shall be provided by Bureau of Electrical Operations.

The remainder of this page has been left blank.

Revised 09/16/11

UNDERGROUND RACEWAYS
Effective: January 1, 2007

Revise Article 810.03 of the Standard Specifications to read:

> "Installation. All underground conduit shall have a minimum depth of 30-inches (700 mm) below the finished grade."

Add the following to Article 810.03 of the Standard Specifications:

> "All metal conduit installed underground shall be Rigid Steel Conduit unless otherwise indicated on the plans."

Add the following to Article 810.03 of the Standard Specifications:

> "All raceways which extend outside of a structure or duct bank but are not terminated in a cabinet, junction box, pull box, handhole, post, pole, or pedestal shall extend a minimum or 300 mm (12") or the length shown on the plans beyond the structure or duct bank. The end of this extension shall be capped and sealed with a cap designed for the conduit to be capped. The ends of rigid metal conduit to be capped shall be threaded, the threads protected with full galvanizing, and capped with a threaded galvanized steel cap. The ends of rigid nonmetallic conduit and coilable nonmetallic conduit shall be capped with a rigid PVC cap of not less than 3 mm (0.125") thick. The cap shall be sealed to the conduit using a room-temperature-vulcanizing (RTV) sealant compatible with the material of both the cap and the conduit. A washer or similar metal ring shall be glued to the inside center of the cap with epoxy, and the pull cord shall be tied to this ring."

Add the following to Article 810.03(c) of the Standard Specifications:

> "Coilable non-metallic conduit shall be machine straightened to remove the longitudinal curvature caused by coiling the conduit onto reels prior to installing in trench, encasing in concrete or embedding in structure.

Revised 09/16/11

CONSTRUCTION REQUIREMENTS

Inspection And Acceptance. The Contractor shall examine the wood pole, and mast as applicable, in the presence of the Engineer and after accepting the pole(s) shall be held responsible for preservation of the condition of each pole, as it was at the time of acceptance, until the Final Acceptance Inspection.

Transportation. The Contractor shall transport, handle the wood pole in complete conformance with industry standard recommendations. The Contractor shall make arrangements to transfer the light poles from the State's storage facility located within District 1 on weekdays between the hours of 8:00 a.m. and 4:00 p.m., excluding State holidays applicable to the Department.

Installation. Installation shall be as described in Article 830.03(c). Unless otherwise indicated, the Contractor shall provide all hardware to install the pole and mast arm as specified herein and indicated on the plans.

Unless otherwise indicated, the wood pole and mast arm, as applicable, shall remain the property of the Owner and shall be removed as specified elsewhere herein.

Method Of Measurement. Wood poles shall be counted as, each installed.

Basis Of Payment. This item shall be paid at the contract unit price each for **TEMPORARY WOOD POLE**, of the mounting height, mast arm quantity and length indicated, **(INSTALL ONLY)**.

FOUNDATIONS

Effective: January 1, 2007

Light Pole Foundation:
Delete the third sentence of Article 836.03(a) of the Standard Specifications. Ground Rods will be paid for under a separate pay item.

TEMPORARY LIGHTING REMOVAL

The first paragraph of Article 841.02 shall be revised to read as follows:

841.02 Removal. Removal shall include the removal of temporary and existing poles (which may be wood, concrete, steel, or aluminum), aerial cable, and all associated apparatus and connections used for temporary lighting. This removal shall also include removal of all wiring and connections to the associated lighting controller. All equipment and material, except for luminaires, existing wood poles and temporary wood poles furnished by the Illinois Department of Transportation removed as part of this item, shall become property of the Contractor and shall be removed from the site.

The third paragraph of Article 841.02 shall be revised to read as follows:

Luminaires shall be removed, boxed in new containers approved by the Engineer, and delivered and unloaded at a storage facility of the Illinois Department of Transportation, as designated by the Engineer.

Revised 09/16//2011

The following paragraph shall be added to Article 841.02:

Existing wood poles removed as part of this item shall be removed intact and shall be delivered and unloaded at a storage facility of the Illinois Department of Transportation, as designated by the Engineer. Wood poles furnished by the Contractor shall become property of the Contractor and shall be removed from the site.

MAINTENANCE OF LIGHTING SYSTEMS
Effective: January 1, 2007

Replace Article 801.11 and 801.12 of the Standard Specifications with the following:

Effective the date the Contractor's activities (electrical or otherwise) at the job site begin, the Contractor shall be responsible for the proper operation and maintenance of all existing and proposed lighting systems which are part of, or which may be affected by the work until final acceptance or as otherwise determined by the Engineer.

Before performing any excavation, removal, or installation work (electrical or otherwise) at the site, the Contractor shall initiate a request for a maintenance transfer and preconstruction inspection, as specified elsewhere herein, to be held in the presence of the Engineer and a representative of the party or parties responsible for maintenance of any lighting systems which may be affected by the work. The request for the maintenance preconstruction inspection shall be made no less than seven (7) calendar days prior to the desired inspection date.

Existing lighting systems, when depicted on the plans, are intended only to indicate the general equipment installation of the systems involved and shall not be construed as an exact representation of the field conditions. It remains the Contractor's responsibility to visit the site to confirm and ascertain the exact condition of the electrical equipment and systems to be maintained.

Maintenance of Existing Lighting Systems

Existing lighting systems. Existing lighting systems shall be defined as any lighting system or part of a lighting system in service prior to this contract. The contract drawings indicate the general extent of any existing lighting, but whether indicated or not, it remains the Contractor's responsibility to ascertain the extent of effort required for compliance with these specifications and failure to do so will not be justification for extra payment or reduced responsibilities.

Extent of Maintenance.

Partial Maintenance. Unless otherwise 'indicated, if the number of circuits affected by the contract is equal to or less than 40% of the total number of circuits in a given controller and the controller is not part of the contract work, the Contractor needs only to maintain the affected circuits. The affected circuits shall be isolated by means of in-line waterproof fuse holders as specified elsewhere and as approved by the Engineer.

Full Maintenance. If the number of circuits affected by the contract is greater than 40% of the total number of circuits in a given controller, or if the controller is modified in any way under the contract work, the Contractor shall maintain the entire controller and all associated circuits.

Revised 09/16/2011

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.

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.

DEMOLITION PLANS FOR REMOVAL OF EXISTING STRUCTURES

Effective: September 5, 2007

Add to the beginning of Article 501.02 of the Standard Specifications.

"The Contractor shall submit a demolition plan to the Engineer for approval, detailing the proposed methods of demolition and the amount, location(s) and type(s) of equipment to be used. With the exception of removal of single box culverts, for work adjacent to or over an active roadway, railroad or navigable waterway, the demolition plan shall include an assessment of the structure's condition and an evaluation of the structure's strength and stability during demolition and shall be sealed by an Illinois Licensed Structural Engineer."

SEGMENTAL CONCRETE BLOCK WALL

Description. This work shall consist of furnishing the design computations, shop plans, materials, equipment and labor to construct a Segmental Concrete Block Retaining Wall to the limits shown on the plans. The wall system shall be a VERSA-LOK standard unit retaining wall with caps and shall conform to VERSA-LOK specifications and as specified herein.

General. The wall shall consist of a leveling pad, precast concrete blocks (either dry-cast or wet cast), select fill and, if required by the design, soil reinforcement. The wall shall be designed and constructed according to the lines, grades, and dimensions shown on the contract plans and approved shop plans.

Submittals. The wall supplier shall submit design computations and shop plans to the Engineer according to Article 1042.03(b) of the Standard Specifications. No work or ordering of materials for the structure shall be done by the Contractor until the submittal has been approved in writing by the Engineer. The shop plans shall be sealed by an Illinois Licensed Structural Engineer and shall include all details, dimensions, quantities, and cross sections necessary to construct the wall and shall include, but not be limited to, the following items:

Revised 09/16/2011

(a) Plan, elevation, and cross section sheet(s) for each wall showing the following:

(1) A plan view of the wall indicating the offsets from the construction centerline to the first course of blocks at all changes in horizontal alignment. These shall be calculated using the offsets to the front face of the block shown on the contract plans and the suppliers proposed wall batter. The plan view shall indicate bottom (and top course of block when battered), the excavation and select fill limits as well as any soil reinforcing required by the design. The centerline of any drainage structure or pipe behind or passing through/under the wall shall also be shown.
(2) An elevation view of the wall, indicating the elevation and all steps in the top course of blocks along the length of the wall. The top of these blocks shall be at or above the theoretical top of block line shown on the contract plans. This view shall also show the steps and proposed top of leveling pad elevations as well as the finished grade line at the wall face specified on the contract plans. These leveling pad elevations shall be located at or below the theoretical top of leveling line shown on the contract plans. The location, size, and length of any soil reinforcing connected to the blocks shall be indicated.
(3) Typical cross section(s) showing the limits of the select fill, soil reinforcement if used in the design. The right-of-way limits shall be indicated as well as the proposed excavation, cut slopes, and the elevation relationship between existing ground conditions and proposed grades.
(4) All general notes required for constructing the wall.

(b) All details for the leveling pads, including the steps, shall be shown. The theoretical top of the leveling pad shall either be below the anticipated frost depth or 1.5 ft. (450 mm) below the finished grade line at the wall face, whichever is greater; unless otherwise shown on the plans. The minimum leveling pad thickness shall be 6 in. (152 mm)

(c) Cap blocks shall be used to cover the top of the standard block units. The top course of blocks and cap blocks shall be stepped to satisfy the top of block line shown on the contract plans.

(d) All details of the block and/or soil reinforcement placement around all appurtenances located behind, on top of, or passing through the wall shall be clearly indicated. Any modifications to the design of these appurtenances to accommodate a particular design arrangement shall also be submitted.

(e) All details of the blocks, including color and texture shall be shown. The exterior face shall preferably be straight, textured with a “split rock face” pattern, and C.C. Brown in color. All visible end units shall also be textured with a “split rock face” pattern.

(f) All block types (standard, cap, corner, and radius turning blocks) shall be detailed showing all dimensions.

(g) All blocks shall have alignment/connection devices such as shear keys, leading/trailing lips, or pins. The details for the connection devices between adjacent blocks and the block to soil reinforcement shall be shown. The block set back or face batter shall be limited to 20 degrees from vertical, unless otherwise shown by the plans.

Materials. The materials shall meet the following requirements:

Revised 09/16/2011

(a) Dry-Cast Concrete Block: Dry-cast concrete block proposed for use shall be pre-cast and produced according Article 1042.02 and the requirements of ASTM C1372 except as follows:

1. Fly ash shall be according to Articles 1010.01 and 1010.02(b).
2. Ground granulated blast-furnace slag shall be according to Articles 1010.01 and 1010.05.
3. Aggregate shall be according to Articles 1003.02 and 1004.02, with the exception of gradation.
4. Water shall be according to Section 1002.
5. Testing for freeze-thaw durability will not be required. However, unsatisfactory field performance as determined by the Department will be cause to prohibit the use of the block on Department projects.

(b) Wet-cast Concrete Block: Wet-cast concrete block proposed for use shall be pre-cast and produced according to Section 1020 and Article 1042.02. The concrete shall be Class PC with a minimum compressive strength of at least 3000 psi (31 MPa) at 28 days.

(c) Select fill: The select fill, defined as the material placed in the reinforced volume behind the wall, shall be according to Sections 1003 and 1004 of the Standard Specifications and the following:

(1) Select Fill Gradation. Either a coarse aggregate or a fine aggregate may be used. For coarse aggregate, gradations CA 6 thru CA 16 may be used. If geosynthetic reinforcing is used, the coarse aggregate gradations shall be limited to CA 12 thru CA 16. For fine aggregate, gradations FA 1, FA 2, or FA 20 may be used.

Other aggregate gradations may be used provided the maximum aggregate size is 1 1/2 in. (38 mm), the maximum material passing the #40 (425 μm) sieve is 60 percent, and the maximum material passing the #200 (75 μm) sieve is 15 percent.

(2) Select Fill Quality. The coarse or fine aggregate shall be Class B quality or better, except that a maximum of 15 percent of the material may be finer than the #200 (75 μm) sieve.

(3) Select Fill Internal Friction Angle. The effective internal friction angle for the coarse or fine aggregate shall be a minimum 34 degrees according to AASHTO T 236 on samples compacted to 95 percent density according to Illinois Modified AASHTO T 99. The AASHTO T 296 test with pore pressure measurement may be used in lieu of AASHTO T 236. If the vendor's design uses a friction angle higher than 34 degrees, as indicated on the approved shop drawings, this higher value shall be taken as the minimum required.

(4) Select Fill and Geosynthetic Reinforcing. When geosynthetic reinforcing is used, the select fill pH shall be 4.5 to 9.0 according to AASHTO T 289.

(5) Test Frequency. Prior to start of construction, the Contractor shall provide internal friction angle and pH to show the select fill material meets the specification requirements. However, the pH will be required only when geosynthetic reinforcing is used. All test results shall not be older than 12 months. In addition, a sample of select fill material will be obtained for testing and approval by the Department.

Revised 09/16/2011

Thereafter, the minimum frequency of sampling and testing at the jobsite will be one per 20,000 cubic yards (15,500 cubic meters) of select fill material.

When a fine aggregate is selected, the rear of all block joints shall be covered by a non-woven needle punch geotextile filter material according to Article 1080.05 of the Standard Specifications and shall have a minimum permeability according to ASTM D4491 of 0.008 cm/sec. All fabric overlaps shall be 6 in. (150 mm) and non-sewn. As an alternative to the geotextile, a coarse aggregate shall be placed against the back face of the blocks to create a minimum 12 in. (300 mm) wide continuous gradation filter to prevent the select fill material from passing through the block joints.

(d) Leveling pad: The material shall be either Class SI concrete according to Article 1020.04 or compacted coarse aggregate according to Articles 1004.04, (a) and (b). The compacted coarse aggregate gradation shall be CA 6 or CA 10.

(e) Soil Reinforcement: If soil reinforcement is required by the approved design, the Contractor shall submit a manufacturer's certification for the soil reinforcement properties which equals or exceeds those required in the design computations. The soil reinforcement shall be manufactured from high density polyethylene (HDPE) uniaxial or polypropylene biaxial resins or high tenacity polyester fibers with a PVC coating, stored between -20 and 140° F (-29 and 60° C). The following standards shall be used in determining and demonstrating the soil reinforcement capacities:

ASTM D638 Test Method for Tensile Properties of Plastic
ASTM D1248 Specification for Polyethylene Plastics Molding and Extrusion Materials
ASTM D4218 Test Method for Carbon Black Content in Polyethylene Compounds
ASTM D5262 Test Method for Evaluating the Unconfined Tension Creep Behavior of Geosynthetics
GG1-Standard Test Method for Geogrid Rib Tensile Strength
GG2-Standard Test Method for Geogrid Junction Strength
GG4-Standard Practice for Determination of the Long Term Design Strength of Geogrid
GG5-Standard Practice for Evaluating Geogrid Pullout Behavior

Design Criteria. The design shall be according to AASHTO Specifications and commentaries for Earth Retaining Walls or FHWA Publication No. HI-95-038, SA-96-071 and SA-96-072. The wall supplier shall be responsible for all internal stability aspects of the wall design.

Internal stability design shall insure that adequate factors of safety against overturning and sliding are present at each level of block. If required by design, soil reinforcement shall be utilized and the loading at the block/soil reinforcement connection as well as the failure surface must be indicated. The calculations to determine the allowable load of the soil reinforcement and the factor of safety against pullout shall also be included. The analysis of settlement, bearing capacity, and overall slope stability are the responsibility of the Department.

External loads such as those applied through structure foundations, from traffic or railroads, slope surcharge etc., shall be accounted for in the internal stability design. The presence of all appurtenances behind, in front of, mounted upon, or passing through the wall volume such as drainage structures, utilities, structure foundation elements, or other items shall be accounted for in the internal stability design of the wall.

Construction Requirements. The Contractor shall obtain technical assistance from the supplier during wall erection to demonstrate proper construction procedures and shall include all costs related to this technical assistance in the unit price bid for this item.

Revised 09/16/2011

The foundation material for the leveling pad and select fill volume shall be graded to the design elevation and compacted according to Article 205.05, except the minimum required compaction shall be 95 percent of the standard laboratory density. The Engineer will perform one density test per 1500 ft (450 m) of the entire length of foundation material through both cut and fill areas. Any foundation soils found to be unsuitable shall be removed and replaced as directed by the Engineer and shall be paid for according to Article 109.04.

The select fill lift placement shall closely follow the erection of each course of blocks. All aggregate shall be swept from the top of the block prior to placing the next block lift. If soil reinforcement is used, the select fill material shall be leveled and compacted before placing and attaching the soil reinforcement to the blocks. The soil reinforcement shall be pulled taut, staked in place, and select fill placed from the rear face of the blocks outward. The lift thickness shall be the lesser of 10 in. (255 mm) loose measurement or the proposed block height.

The select fill shall be compacted according to Article 205.05, except the minimum required compaction shall be 95 percent of the standard laboratory density. Compaction shall be achieved using a minimum of 3 passes of a lightweight mechanical tamper, roller, or vibratory system. The Engineer will perform one density test per 5000 cu yd (3800 cu m) and not less than one test per 2 ft (0.6m) of lift. The top 12 in. (300 mm) of backfill shall be a cohesive, impervious material capable of supporting vegetation, unless other details are specified on the plans.

The blocks shall be maintained in position as successive lifts are compacted along the rear face of the block. Vertical, horizontal, and rotational alignment tolerances shall not exceed 0.5 in. (12 mm) when measured along a 10 ft. (3 m) straight edge.

Method of Measurement. Segmental Concrete Block Wall will be measured by the square foot (square meter) of wall face from the top of block line to the theoretical top of the leveling pad for the length of the wall in a vertical plane, as shown on the contract plans.

Basis of Payment. This work will be paid for at the contract unit price per square foot (square meter) for SEGMENTAL CONCRETE BLOCK WALL.

PILING

Effective: May 11, 2009 Revised: January 22, 2010

Revise Article 512.04(a) of the Standard Specifications to read:

"(a) Splicing. Splicing of metal shell piles shall be as follows.

(1) Planned Splices. Planned field or shop splices may be used when allowed per Article 512.10 or when the lengths specified in Article 512.16 exceed the estimated lengths specified in the contract plans by at least 10 ft (3 m). The location of planned splices shall be approved by the Engineer and located to minimize the chance they will occur within the 10 ft (3 m) below the base of the footing, abutment, or pier.
(2) Unplanned Splices. Unplanned field splices shall be used as required to furnish lengths beyond those specified in Article 512.16. The length of additional segments shall be specified by the Engineer."

Revise Article 512.05(a) of the Standard Specifications to read:

Revised 09/16/2011

PAVEMENT OR PAVED SHOULDER BREAKING

Description: This work shall consist of breaking the existing pavement or paved shoulder according to Article 205.03(b)(1) of the Standard Specifications, except that all pavement or paved shoulder that is not removed, but has greater than or equal to 3" fall from the bottom of the subbase to the existing pavement shall be broken.

Basis of Payment: All costs incurred in complying with the provisions shall be considered included in the contract unit price per Square Yard for PAVEMENT BREAKING and the contract unit price per square yard for PAVED SHOULDER BREAKING.

UNDERPASS LUMINAIRE, 70 WATT, METAL HALIDE

Description. This work shall consist of furnishing and installing a luminaire according to applicable articles in Section 821 of the Standard Specifications, details shown in the contract plans, and as herein specified.

The luminaire shall be 12” to 15.3” diameter, wall mounted, embedded architectural style. Each luminaire shall be installed according to the luminaire manufacturer’s recommendations. The casting for the luminaire shall have conduit entry points. If a reducer is needed at the conduit entry point, a reducer shall be provided and all material, equipment, and labor necessary to attach the reducer to the fixture shall be included in this pay item.

The black luminaire with white opal lens will be 70 watt, multi-tap, pulse start, metal halide type IV with at least 5,500 initial lumens. The luminaire manufacturers shall be Cooper Lighting Fail-Safe Compass 12”, catalog number RCR-!@-70MH-MT-BK or Philips Morlite Defiant II catalog number DFII-DBR-WO-70MH-C-MT.

Basis of Payment. The item shall be paid for at the contract unit price per each for UNDERPASS LUMINAIRE, 70 WATT, METAL HALIDE, which price shall include all materials, labor and equipment necessary to perform the work in accordance with the Standard Specification, the plan documents, and as herein specified.

LIBERTYVILLE TOWNSHIP (PARCEL NUMBER 1DK0036TE) ADDITIONAL INSURED PARTIES:

Add the following paragraph at the end of Article 107.27:

The contractor shall save, defend, indemnify, release, and hold harmless the Libertyville Township, its elected and appointed officers and officials, employees, agents, successors, and assigns, (collectively the "District Indemnitees") from and against any and all claims, demands, causes of action, suits, damages, injuries to property and persons, including loss of life, demands, liability, loss, liens, penalties, fines, interest, costs and expenses (including, without limitation, reasonable attorneys' fees and litigation costs incurred by the District lndemnitees in connection therewith), which are in any manner related to the contractor's, its employees', agents' or subcontractors' acts or omissions related to the Parcel Number 1DK0036 and the work associated with this parcel.

Added 09/16/2011

The Contractor shall obtain and thereafter keep in force a commercial general liability policy with combined single limits of at least $2,000,000 by insurance companies for parcel 1DK0036. The following insurance coverage shall provide that the insurance may not be cancelled or non-renewed without at least a 30-day advance written notice to the Libertyville Township and the Engineer

The contractor shall name for parcel 1DK0036 the Libertyville Township, its elected and appointed officers and officials, employees, agents, successors, and assignees as additional insured with limits and coverage acceptable to the Libertyville Township naming the Libertyville Township on the contractor's comprehensive general liability and all risk property insurance policies.

Notwithstanding anything to the contrary contained herein, no indemnification or hold harmless covenants are made or implied herein by the Illinois Department of Transportation or the State of Illinois.

The contractor shall mail a copy of the executed Certificate of Insurance to the Libertyville Township and the Engineer by certified mail prior to the start of construction on this project.

All cost related to this requirement will not be paid for separately but shall be included in the cost of the pay items of this contract.

ERECTING STRUCTURAL STEEL AND ELASTOMERIC BEARINGS

Description: This work shall consist of all labor, materials, tools and equipment necessary for the erection of structural steel and elastomeric bearings, which will be furnished by others under a separate contract, as per the details included in the plans, according to the applicable portions of Sections 505, 506, 521 and 1083 of the Standard Specifications and these special provisions. The shim plates and neoprene pads for the bearings will be furnished by others under a separate fabrication contract; the installation of these items shall be included in the cost for erecting structural steel or erecting elastomeric bearings. All shop and field fasteners will be furnished by others with structural steel.

The Contractor for furnishing of structural steel and elastomeric bearings is herein referred to as Fabrication Contractor, and the Contractor for erection of these items is referred to as Erection Contractor.

Erection: The structural steel shall be erected according to the requirements of Article 505.08 of the Standard Specifications, the plans, and this special provision. Bearings shall be erected according to the requirements of Article 521.05 of the Standard Specifications, the plans, and this special provision.

Field Painting: The structural steel will be shop painted with a full 3-coat paint system by the Fabrication Contractor. The Erection Contractor shall be responsible for field touch-up painting, and spot cleaning and painting of the damaged coatings on newly erected work. The cleaning and painting work shall be according to the Special Provision for “Surface Preparation and Painting Requirements for Weathering Steel”. The paint coatings shall be compatible with the paint system used by the Fabrication Contractor.

Article 505.09 of the Standard Specifications shall be amended to add the following:

Added 09/16/2011

1. No extra compensation will be allowed for touch-up field painting of steel members which have been burred and marred at the time of shipping or erecting and all other areas of the new structural steel surfaces where the paint coatings have been removed or are incomplete.

2. The structural steel and elastomeric bearings, including shim plates and neoprene pads for the bearings, will be furnished and delivered under a separate fabrication contract.

   Delivery of structural steel and elastomeric bearings to the site shall be coordinated with the Fabrication Contractor to permit the erection in stages without delaying the progress of the erection. The Erection Contractor shall provide the Fabrication Contractor with a working schedule for shipping the structural steel and bearings to the jobsite, within 30 calendar days after the execution of the erection contract. The Erection Contractor shall notify the Fabrication Contractor a minimum of three calendar weeks in advance for any changes in the scheduled delivery dates. Copies of all notifications and correspondence between the Erection Contractor and Fabrication Contractor shall be submitted promptly to the Engineer.

The expense of night time and weekend erection of structural steel shall not be paid for separately, but shall be included in the lump sum cost for ERECTING STRUCTURAL STEEL. The expense of night time and weekend erection of elastomeric bearings shall not be paid for separately, but shall be included in the lump sum cost for ERECTING ELASTOMERIC BEARING ASSEMBLY, TYPE I.

3. The Fabrication Contractor will provide one (1) reproducible copy of all approved fabrication shop drawings to the Erection Contractor for use during erection of the fabricated structural steel and elastomeric bearings. Shop drawings will include a list and location of the field bolts required.

4. All field fasteners will be furnished by the Fabrication Contractor, unless noted otherwise.

Basis of Payment: Erected structural steel shall be paid for at the lump sum price for ERECTING STRUCTURAL STEEL. Erected elastomeric bearings shall be paid for at the lump sum price for ERECTING ELASTOMERIC BEARING ASSEMBLY, TYPE I.

REMOVAL AND DISPOSAL OF REGULATED SUBSTANCES

This work shall be according to Article 669 of the Standard Specifications and the following:

Qualifications. The term environmental firm shall mean an environmental firm with at least five (5) documented leaking underground storage tank (LUST) cleanups or that is pre-qualified in hazardous waste by the Department. Documentation includes but not limited to verifying remediation and special waste operations for sites contaminated with gasoline, diesel, or waste oil in accordance with all Federal, State, or local regulatory requirements and shall be provided to the Engineer for approval. The environmental firm selected shall not be a former or current consultant or have any ties with any of the properties contained within and/or adjacent to this construction project.

General. This Special Provision will likely require the Contractor to subcontract for the execution of certain activities. .

All contaminated materials shall be managed as non-special waste. This work shall include monitoring and potential sampling, analytical testing, and management of a material contaminated by regulated substances.

Added 09/16/2011

A) The Environmental Firm shall continuously monitor for worker protection and the Contractor shall manage and dispose of all soils excavated within the following areas as classified below. The lateral distance is measured from centerline and the farthest distance is the offset distance or construction limit whichever is less. Soil samples or analysis without the approval of the Engineer will be at no additional cost to the Department. Phase I Preliminary Engineering information is available through the District's Environmental Studies Unit.

1. Station 161+50 to Station 463+00 0 to 70 feet RT (Mobil, Site 223V-26, 1790 North Milwaukee Avenue) – non-special waste. Contaminants of concern sampling parameters: BETX and Arsenic.
2. Station 450+50 to Station 453+00 0 to 70 feet LT (Ben's Volvo Repair, Site 223V-16, 178 Peterson Road) – non-special waste. Contaminants of concern sampling parameters: BETX, Arsenic, and Lead.

B) The Environmental Firm shall continuously monitor for worker protection and the Contractor shall manage any excavated soils **within the construction limits of this project as fill.** Although the soil concentrations exceed a residential property's Tier 1 soil remediation objective for the ingestion exposure pathway, they can be utilized within the construction limits as fill because the roadway is not considered a residential property. All storm sewer excavated soils can be placed back into the excavated trench as backfill unless trench backfill is specified. If the soils cannot be utilized within the construction limits as fill then they must be managed off-site as a non-special waste. The following areas can be managed within the construction limits as fill.

1. Station 273+00 to Station 292+00 0 to 60 feet LT (Numerous Sites in PESA 223V) – non-special waste. Contaminants of concern sampling parameters: Arsenic, Lead, and Nickel.
2. Station 175+00 to Station 292+00 0 to 100 feet RT (Numerous Sites in PESA 223V) – non-special waste. Contaminants of concern sampling parameters: Arsenic, Lead, and Nickel.
3. Station 453+00 to Station 460+00 0 to 80 feet LT (Numerous Sites in PESA 223V) – non-special waste. Contaminants of concern sampling parameters: Arsenic, Lead, and Nickel.
4. Station 453+00 to Station 461+50 0 to 70 feet RT (Numerous Sites in PESA 223V) – non-special waste. Contaminants of concern sampling parameters: Arsenic, Lead, and Nickel.
5. Station 463+00 to Station 472+00 0 to 80 feet RT (Numerous Sites in PESA 223V) – non-special waste. Contaminants of concern sampling parameters: Arsenic, Lead, and Nickel.

TEMPORARY AERIAL FIBER OPTIC CABLE, NO. 62.5/125, MM12F, SM12F

This work shall consist of providing and installing an aerial fiber optic cable, No. 62.5/125, MM12F, SM12F, on span wire mounted between wood poles. The cable shall meet the requirements of Article 871.01 of the Standard Specifications, except that it shall be installed aerially. The cable shall be installed as shown on the plans and as directed by the Engineer.

Added 09/16/2011

Once removed, the cable shall remain the property of the Contractor.

The cable shall be paid for at the contract unit price per foot of TEMPORARY AERIAL FIBER OPTIC CABLE, NO. 62.5/125, MM12F, SM12F, which price shall include furnishing, installing, and maintaining the cable and all associated labor, materials, and parts. Removal of the cable shall be paid for separately.

BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE, 9 INCH HIGH

The first sentence of paragraph 1070.04(b)(2) referenced in 838.02 of Section 838 shall be revised to read as follows:

(2) The device shall be approximately 9 in. (229 mm) high and shall have a large fiberglass or polyethylene access door of a color to match the base finish which shall be held in place with a button-type tamper resistant stainless steel screw or other means approved by the Engineer.

All other portions of Specifications 838 and 1070 are unchanged and shall apply.

LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH TWO 15FT MAST ARMS (INSTALL ONLY)

Revise Specification Section 830.04 and 830.05(a) to read as follows:

830.04 Temporary Installation. Wood poles used for the temporary lighting installation shall be obtained from IDOT District 1 stock without mast arms. Furnish and install mast arms. When project is completed, the poles shall be returned to IDOT.

830.05.
(a) Wood poles will be paid for at the contract unit price per each for LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH TWO 15FT MAST ARMS (INSTALL ONLY).

All other portions of Specifications 830 are unchanged and shall apply.

LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM (INSTALL ONLY)

Revise Specification Section 830.04 and 830.05(a) to read as follows:

830.04 Temporary Installation. Wood poles used for the temporary lighting installation shall be obtained from IDOT District 1 stock without mast arms. Furnish and install mast arms. When project is completed, the poles shall be returned to IDOT.

830.05.
(a) Wood poles will be paid for at the contract unit price per each for <u>LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM (INSTALL ONLY).</u>

All other portions of Specifications 830 are unchanged and shall apply.

Added 09/16/2011