



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

April 19, 2013

SUBJECT: FAP Route 330(US 45)
Project NHPP-0330(073)
Section 103R-4
Cook County
Contract No. 60M61
Item No. 115, April 26, 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 page vi of the Table of Contents to the Special Provisions.
3. Revised pages 2, 12, 163-166 and 178 of the Special Provisions.
4. Added page 365 of the Special Provisions.
5. Revised sheets 5, 6, 8, 9, 11, 15, 16, 19, 22, 23, 25, 26, 34, 36, 45, 53, 54, 100, 103, 119, 120, 187, 188, 277, 470, 480, 481, 483, 484, 487, 489, 490, 492, 494-499, 501, 559-562 & 708-711 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 black ink, appearing to read 'Ted B. Walschleger P.E.' with a stylized flourish at the end.

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 -

60M61

State Job # - C-91-145-11

County Name - COOK - -
 Code - 31 - -
 District - 1 - -
 Section Number - 103R-4

Project Number
 NHPP-0330/073/

Route
 FAP 330

*REVISED: APRIL 16, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
*REV XX005713	ORNAMENTAL RAILING	FOOT	1,461.000				
XX005937	LED INT IL S-NAME SGN	EACH	32.000				
XX006188	REM RE-E SEG BLK RETW	SQ FT	633.000				
XX007558	GATE VALVE 6 VAULT 4	EACH	2.000				
XX007559	GATE VALVE 8 VAULT 4	EACH	7.000				
X0300019	REM REIN PARKING BLKS	EACH	77.000				
X0301430	PREC CONC PARK BLOCK	EACH	20.000				
X0325003	REM EX VALVE & VAULT	EACH	2.000				
*DEL X0325225	BRICK PAVT REM & REPL	SQ FT	1,784.000				
X0325318	LT WT CELL CONC FILL	CU YD	533.000				
X0326356	TEMP WIR INTERCON SYS	EACH	1.000				
X0326390	CONCRETE SLAB REMOVAL	SQ YD	79.000				
X0326498	GFCI20A DX RECEPTACLE	EACH	61.000				
X0327004	TEMP WP 60 CL 4	EACH	8.000				
X0327579	GATE VALVE 12 VAULT 4	EACH	21.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60M61

State Job # - C-91-145-11

County Name - COOK - -
 Code - 31 - -
 District - 1 - -
 Section Number - 103R-4

Project Number
 NHPP-0330/073/

Route
 FAP 330

*REVISED: APRIL 16, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
X0327581	2"+ WTR SV W/BOX <30'	EACH	1.000				
X0327583	STAMPED CLRDPCCPVT10J	SQ YD	2,067.000				
X2070304	POROUS GRAN EMB SPEC	CU YD	410.000				
*ADD X2800520	ABOVE GRADE INLT FLTR	EACH	746.000				
X4021000	TEMP ACCESS- PRIV ENT	EACH	1.000				
X4022000	TEMP ACCESS- COM ENT	EACH	87.000				
X4023000	TEMP ACCESS- ROAD	EACH	7.000				
X4024000	TEMP ACCESS- FLD ENT	EACH	1.000				
X4024100	TEMP ACCESS WINTERIZE	SQ YD	7,951.000				
X4200110	HES PCC PVT 10 JNTD	SQ YD	21,109.000				
X4402805	ISLAND REMOVAL	SQ FT	1,601.000				
X4404000	PARKING LOT PAVT REM	SQ YD	4,873.000				
X5030285	FORM LINR TEX SURF TS	EACH	2.000				
*REV X5121800	PERM STEEL SHT PILING	SQ FT	46,772.000				
X550A562	TEMP SS CL A 2 12	FOOT	441.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60M61

State Job # - C-91-145-11

Project Number
 NHPP-0330/073/

Route
 FAP 330

County Name - COOK- -

Code - 31 - -

District - 1 - -

Section Number - 103R-4

*REVISED: APRIL 16, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
*REV X5860110	GRANULAR BACKFILL STR	CU YD	219.000				
X6020095	MAN TA 4D T1F CL R-P	EACH	1.000				
X6021193	TEMP CATCH BASINS	EACH	41.000				
X6640304	CH LK FENCE REM & RE	FOOT	120.000				
X6700410	ENGR FLD OFF A SPL	CAL MO	30.000				
X7010216	TRAF CONT & PROT SPL	L SUM	1.000				
X7030025	WET REF TEM TP T3 L&S	SQ FT	2,746.000				
X7030030	WET REF TEM TAPE T3 4	FOOT	114,127.000				
X7030040	WET REF TEM TAPE T3 6	FOOT	10,608.000				
X7030050	WET REF TEM TPE T3 12	FOOT	2,856.000				
X7030055	WET REF TEM TPE T3 24	FOOT	2,269.000				
X8210015	TEMP LUM HPSV 400	EACH	92.000				
X8250060	TEMP LIGHT CONTROLLER	EACH	3.000				
X8250091	COMB LTG CONTROL	EACH	7.000				
X8250505	LIGHT CONTROLLER SPL	EACH	3.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60M61

State Job # - C-91-145-11

County Name - COOK--
 Code - 31 - -
 District - 1 - -
 Section Number - 103R-4

Project Number
 NHPP-0330/073/

Route
 FAP 330

*REVISED: APRIL 16, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
X8300001	LIGHT POLE SPECIAL	EACH	66.000				
X8300005	LT P WD 60 CL4 SPL	EACH	92.000				
X8360215	LIGHT POLE FDN 24D OS	FOOT	45.000				
X8510200	PAINT TRAF SIG EQUIP	L SUM	1.000				
X8570226	FAC T4 CAB SPL	EACH	7.000				
X8620200	UNINTER POWER SUP SPL	EACH	7.000				
X8710024	FOCC62.5/125 MM12SM24	FOOT	11,938.000				
X8730250	ELCBL C 20 3C TW SH	FOOT	5,007.000				
X8900020	MAIN EX TEMP TS INST	EACH	1.000				
X8950075	REMOV EX LTG CONT SAL	EACH	2.000				
X8950215	RELOC EXIST HANDHOLE	EACH	2.000				
X8950600	REM RELOC EX LT STD	EACH	30.000				
Z0007510	ENGINEERED BARRIER	SQ YD	275.000				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000				
Z0023600	FILL EXIST CULVERTS	EACH	4.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60M61

State Job # - C-91-145-11

Project Number
 NHPP-0330/073/

Route
 FAP 330

County Name - COOK - -

Code - 31 - -

District - 1 - -

Section Number - 103R-4

*REVISED: APRIL 16, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
Z0023602	GRAN CULVERT BACKFILL	CU YD	42.000				
*REV Z0027800	GEOTECH FABRIC	SQ YD	122,822.000				
Z0030850	TEMP INFO SIGNING	SQ FT	1,222.000				
Z0033028	MAINTAIN LIGHTING SYS	CAL MO	30.000				
Z0033040	ELEC SVC DSCNNCT L&TS	EACH	7.000				
Z0033046	RE-OPTIMIZE SIG SYS 2	EACH	7.000				
Z0045100	PRESS CONNECT 12X12	EACH	2.000				
Z0046304	P UNDR FOR STRUCT 4	FOOT	240.000				
Z0056608	STORM SEW WM REQ 12	FOOT	1,299.000				
Z0056610	STORM SEW WM REQ 15	FOOT	71.000				
Z0056612	STORM SEW WM REQ 18	FOOT	172.000				
*REV Z0062456	TEMP PAVEMENT	SQ YD	25,820.000				
Z0062458	TEMP PAVEMT VAR DEPTH	TON	457.000				
Z0067700	STEEL CASINGS 20	FOOT	160.000				
Z0073345	SLEEPER SLAB	FOOT	131.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60M61

State Job # - C-91-145-11

County Name - COOK - -

Code - 31 - -

District - 1 - -

Section Number - 103R-4

Project Number

NHPP-0330/073/

Route

FAP 330

*REVISED: APRIL 16, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
Z0073510	TEMP TR SIGNAL TIMING	EACH	8.000				
Z0075496	CONC RETAIN WALL REM	FOOT	716.000				
Z0075505	TIMBER RETAIN WALL RM	FOOT	476.000				
Z0076600	TRAINEES	HOUR	1,000.000		0.800		800.000
Z0076604	TRAINEES TPG	HOUR	1,000.000		10.000		10,000.000
20100110	TREE REMOV 6-15	UNIT	700.000				
20100210	TREE REMOV OVER 15	UNIT	206.000				
*ADD 20101000	TEMPORARY FENCE	FOOT	8,177.000				
*DEL 20101100	TREE TRUNK PROTECTION	EACH	10.000				
*REV 20200100	EARTH EXCAVATION	CU YD	25,720.000				
20201200	REM & DISP UNS MATL	CU YD	7,010.000				
20400800	FURNISHED EXCAVATION	CU YD	2,630.000				
20600200	GRAN EMBANK SPEC	CU YD	141.000				
20800150	TRENCH BACKFILL	CU YD	7,628.000				
21101625	TOPSOIL F & P 6	SQ YD	31,377.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60M61

State Job # - C-91-145-11

Project Number
 NHPP-0330/073/

Route
 FAP 330

County Name - COOK- -

Code - 31 - -

District - 1 - -

Section Number - 103R-4

*REVISED: APRIL 16, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
21101685	TOPSOIL F & P 24	SQ YD	13,983.000				
25000210	SEEDING CL 2A	ACRE	1.250				
25000310	SEEDING CL 4	ACRE	0.300				
25000400	NITROGEN FERT NUTR	POUND	415.000				
25000500	PHOSPHORUS FERT NUTR	POUND	415.000				
25000600	POTASSIUM FERT NUTR	POUND	415.000				
*ADD 25100115	MULCH METHOD 2	ACRE	0.250				
*ADD 25100127	MULCH METHOD 3A	ACRE	6.500				
25100630	EROSION CONTR BLANKET	SQ YD	4,937.000				
*ADD 25100635	HD EROS CONTR BLANKET	SQ YD	1,447.000				
25200110	SODDING SALT TOLERANT	SQ YD	23,832.000				
25200200	SUPPLE WATERING	UNIT	432.000				
*DEL 28000200	EARTH EXC - EROS CONT	CU YD	110.000				
*REV 28000250	TEMP EROS CONTR SEED	POUND	663.000				
*DEL 28000305	TEMP DITCH CHECKS	FOOT	40.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60M61

State Job # - C-91-145-11

Project Number
 NHPP-0330/073/

Route
 FAP 330

County Name - COOK - -

Code - 31 - -

District - 1 - -

Section Number - 103R-4

*REVISED: APRIL 16, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
*REV 28000400	PERIMETER EROS BAR	FOOT	18,147.000				
*DEL 28000500	INLET & PIPE PROTECT	EACH	5.000				
*DEL 28000510	INLET FILTERS	EACH	440.000				
*DEL 28001000	AGGREGATE - EROS CONT	TON	17.000				
28100107	STONE RIPRAP CL A4	SQ YD	854.000				
28200200	FILTER FABRIC	SQ YD	854.000				
30300001	AGG SUBGRADE IMPROVE	CU YD	1,806.000				
30300112	AGG SUBGRADE IMPR 12	SQ YD	122,822.000				
35101582	AGG BASE CSE B 2	SQ YD	10,796.000				
35102000	AGG BASE CSE B 8	SQ YD	2,348.000				
35501316	HMA BASE CSE 8	SQ YD	1,415.000				
40600100	BIT MATLS PR CT	GALLON	2,278.000				
40600895	CONSTRUC TEST STRIP	EACH	2.000				
40603080	HMA BC IL-19.0 N50	TON	296.000				
40603335	HMA SC "D" N50	TON	2,387.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60M61

State Job # - C-91-145-11

Project Number
 NHPP-0330/073/

Route
 FAP 330

County Name - COOK- -

Code - 31 - -

District - 1 - -

Section Number - 103R-4

*REVISED: APRIL 16, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
40701931	HMA PAVT FD 12 1/2	SQ YD	22,146.000				
42000501	PCC PVT 10 JOINTED	SQ YD	83,385.000				
42001300	PROTECTIVE COAT	SQ YD	127,756.000				
42300400	PCC DRIVEWAY PAVT 8	SQ YD	3,385.000				
42400200	PC CONC SIDEWALK 5	SQ FT	28,545.000				
42400800	DETECTABLE WARNINGS	SQ FT	2,806.000				
44000100	PAVEMENT REM	SQ YD	141,121.000				
44000200	DRIVE PAVEMENT REM	SQ YD	8,995.000				
44000300	CURB REM	FOOT	14,887.000				
44000500	COMB CURB GUTTER REM	FOOT	33,162.000				
44000600	SIDEWALK REM	SQ FT	81,773.000				
44003100	MEDIAN REMOVAL	SQ FT	4,951.000				
44201761	CL D PATCH T1 10	SQ YD	89.000				
44201765	CL D PATCH T2 10	SQ YD	536.000				
44201769	CL D PATCH T3 10	SQ YD	268.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60M61

State Job # - C-91-145-11

Project Number
 NHPP-0330/073/

Route
 FAP 330

County Name - COOK - -

Code - 31 - -

District - 1 - -

Section Number - 103R-4

*REVISED: APRIL 16, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
48203029	HMA SHOULDERS 8	SQ YD	72.000				
50104400	CONC HDWL REM	EACH	10.000				
*REV 50200100	STRUCTURE EXCAVATION	CU YD	3,817.000				
50200450	REM/DISP UNS MATL-STR	CU YD	134.000				
*REV 50300225	CONC STRUCT	CU YD	1,634.000				
*REV 50300285	FORM LINER TEX SURF	SQ FT	23,002.000				
*REV 50800205	REINF BARS, EPOXY CTD	POUND	139,650.000				
50901750	PARAPET RAILING	FOOT	863.000				
50901760	PIPE HANDRAIL	FOOT	12.000				
51200957	FUR M S PILE 12X0.250	FOOT	9,718.000				
51202305	DRIVING PILES	FOOT	9,718.000				
51203200	TEST PILE MET SHELLS	EACH	2.000				
51500100	NAME PLATES	EACH	2.000				
54213675	PRC FLAR END SEC 30	EACH	1.000				
54213693	PRC FLAR END SEC 48	EACH	1.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60M61

State Job # - C-91-145-11

Project Number
 NHPP-0330/073/

Route
 FAP 330

County Name - COOK - -

Code - 31 - -

District - 1 - -

Section Number - 103R-4

*REVISED: APRIL 16, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
550A0050	STORM SEW CL A 1 12	FOOT	137.000				
550A0340	STORM SEW CL A 2 12	FOOT	7,844.000				
550A0360	STORM SEW CL A 2 15	FOOT	588.000				
550A0380	STORM SEW CL A 2 18	FOOT	750.000				
550A0410	STORM SEW CL A 2 24	FOOT	282.000				
550A0430	STORM SEW CL A 2 30	FOOT	130.000				
550A0450	STORM SEW CL A 2 36	FOOT	56.000				
550A0480	STORM SEW CL A 2 48	FOOT	81.000				
550A0660	STORM SEW CL A 3 15	FOOT	48.000				
55100200	STORM SEWER REM 6	FOOT	10.000				
55100400	STORM SEWER REM 10	FOOT	45.000				
55100500	STORM SEWER REM 12	FOOT	4,169.000				
55100700	STORM SEWER REM 15	FOOT	53.000				
55100900	STORM SEWER REM 18	FOOT	2,179.000				
55101100	STORM SEWER REM 21	FOOT	126.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60M61

State Job # - C-91-145-11

County Name - COOK- -
 Code - 31 - -
 District - 1 - -
 Section Number - 103R-4

Project Number
 NHPP-0330/073/

Route
 FAP 330

*REVISED: APRIL 16, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
55101200	STORM SEWER REM 24	FOOT	114.000				
56103000	D I WATER MAIN 6	FOOT	89.000				
56103100	D I WATER MAIN 8	FOOT	589.000				
56103300	D I WATER MAIN 12	FOOT	8,340.000				
56400400	FIRE HYDNNTS RELOCATED	EACH	2.000				
56400500	FIRE HYDNNTS TO BE REM	EACH	13.000				
56400820	FIRE HYD W/AUX V & VB	EACH	27.000				
*REV 59100100	GEOCOMPOSITE WALL DR	SQ YD	470.000				
59300100	CONTR LOW-STRENG MATL	CU YD	82.000				
60107600	PIPE UNDERDRAINS 4	FOOT	8,300.000				
60201330	CB TA 4 DIA T23F&G	EACH	52.000				
60201340	CB TA 4 DIA T24F&G	EACH	141.000				
60205040	CB TA 5 DIA T24F&G	EACH	1.000				
60205310	CB TA 6 DIA T24F&G	EACH	1.000				
60208240	CB TC T24F&G	EACH	11.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60M61

State Job # - C-91-145-11

Project Number
 NHPP-0330/073/

Route
 FAP 330

County Name - COOK - -

Code - 31 - -

District - 1 - -

Section Number - 103R-4

*REVISED: APRIL 16, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
60218400	MAN TA 4 DIA T1F CL	EACH	25.000				
60219540	MAN TA 4 DIA T24F&G	EACH	2.000				
60221100	MAN TA 5 DIA T1F CL	EACH	5.000				
*ADD 60221102	MAN TA 5D T1FCL R-PLT	EACH	1.000				
60222240	MAN TA 5 DIA T24F&G	EACH	3.000				
60223800	MAN TA 6 DIA T1F CL	EACH	6.000				
60224459	MAN TA 8 DIA T1F CL	EACH	2.000				
60237460	INLETS TA T23F&G	EACH	2.000				
60237470	INLETS TA T24F&G	EACH	76.000				
60240327	INLETS TB T23F&G	EACH	7.000				
60240328	INLETS TB T24F&G	EACH	17.000				
60250200	CB ADJUST	EACH	32.000				
60250400	CB ADJ NEW T1F OL	EACH	40.000				
60251730	CB ADJ NEW T23F&G	EACH	3.000				
60254330	CB RECON NEW T23F&G	EACH	1.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60M61

State Job # - C-91-145-11

Project Number
 NHPP-0330/073/

Route
 FAP 330

County Name - COOK - -

Code - 31 - -

District - 1 - -

Section Number - 103R-4

*REVISED: APRIL 16, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
60255500	MAN ADJUST	EACH	240.000				
60255800	MAN ADJ NEW T1F CL	EACH	3.000				
60256940	MAN ADJ NEW T24F&G	EACH	1.000				
60260100	INLETS ADJUST	EACH	4.000				
60261530	INLETS ADJ NEW T23F&G	EACH	10.000				
60262700	INLETS RECONST	EACH	4.000				
60300305	FR & LIDS ADJUST	EACH	1.000				
60403700	LIDS T1 OL	EACH	20.000				
60403800	LIDS T1 CL	EACH	40.000				
60404940	FR & GRATES T23	EACH	65.000				
60406000	FR & LIDS T1 OL	EACH	5.000				
60406100	FR & LIDS T1 CL	EACH	10.000				
60500040	REMOV MANHOLES	EACH	38.000				
60500050	REMOV CATCH BAS	EACH	101.000				
60500060	REMOV INLETS	EACH	14.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60M61

State Job # - C-91-145-11

County Name - COOK - -
 Code - 31 - -
 District - 1 - -
 Section Number - 103R-4

Project Number
 NHPP-0330/073/

Route
 FAP 330

*REVISED: APRIL 16, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
60500405	FILL VALVE VLTS	EACH	13.000				
60600605	CONC CURB TB	FOOT	14,082.000				
60603800	COMB CC&G TB6.12	FOOT	1,589.000				
60604700	COMB CC&G TB6.18 MOD	FOOT	10,404.000				
60605000	COMB CC&G TB6.24	FOOT	29,720.000				
60618210	HMA MEDIAN SURF 4	SQ FT	1,769.000				
60618300	CONC MEDIAN SURF 4	SQ FT	320.000				
60619910	CONC MED TSB6.18	SQ FT	13,440.000				
60623200	CONC MED TSM6.24	SQ FT	115.000				
63200310	GUARDRAIL REMOV	FOOT	383.000				
63500105	DELINEATORS	EACH	456.000				
66900200	NON SPL WASTE DISPOSL	CU YD	6,600.000				
66900450	SPL WASTE PLNS/REPORT	L SUM	1.000				
66900530	SOIL DISPOSAL ANALY	EACH	7.000				
67000600	ENGR FIELD LAB	CAL MO	30.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60M61

State Job # - C-91-145-11

Project Number
 NHPP-0330/073/

Route
 FAP 330

County Name - COOK - -

Code - 31 - -

District - 1 - -

Section Number - 103R-4

*REVISED: APRIL 16, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
67100100	MOBILIZATION	L SUM	1.000				
70103815	TR CONT SURVEILLANCE	CAL DA	400.000				
70106800	CHANGEABLE MESSAGE SN	CAL MO	144.000				
70301000	WORK ZONE PAVT MK REM	SQ FT	20,660.000				
*REV 70400100	TEMP CONC BARRIER	FOOT	2,000.000				
70400200	REL TEMP CONC BARRIER	FOOT	1,225.000				
*REV 70600255	IMP ATTN TEMP FRN TL2	EACH	8.000				
70600322	IMP ATTN REL FRN TL2	EACH	4.000				
72000100	SIGN PANEL T1	SQ FT	1,130.000				
*REV 72000200	SIGN PANEL T2	SQ FT	153.000				
72400100	REMOV SIN PAN ASSY TA	EACH	112.000				
72400200	REMOV SIN PAN ASSY TB	EACH	5.000				
72400500	RELOC SIN PAN ASSY TA	EACH	27.000				
72800100	TELES STL SIN SUPPORT	FOOT	88.000				
72900200	METAL POST TY B	FOOT	1,195.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60M61

State Job # - C-91-145-11

Project Number
 NHPP-0330/073/

Route
 FAP 330

County Name - COOK - -

Code - 31 - -

District - 1 - -

Section Number - 103R-4

*REVISED: APRIL 16, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
73000100	WOOD SIN SUPPORT	FOOT	216.000				
73100100	BASE TEL STL SIN SUPP	EACH	8.000				
78000100	THPL PVT MK LTR & SYM	SQ FT	744.000				
78000200	THPL PVT MK LINE 4	FOOT	12,243.000				
78000400	THPL PVT MK LINE 6	FOOT	2,644.000				
78000600	THPL PVT MK LINE 12	FOOT	395.000				
78000650	THPL PVT MK LINE 24	FOOT	89.000				
78001110	PAINT PVT MK LINE 4	FOOT	2,735.000				
78005100	EPOXY PVT MK LTR-SYM	SQ FT	1,217.000				
78005110	EPOXY PVT MK LINE 4	FOOT	75,570.000				
*REV 78005130	EPOXY PVT MK LINE 6	FOOT	5,057.000				
78005150	EPOXY PVT MK LINE 12	FOOT	2,594.000				
*REV 78005180	EPOXY PVT MK LINE 24	FOOT	2,144.000				
78008200	POLYUREA PM T1 LTR-SY	SQ FT	1,405.000				
78008210	POLYUREA PM T1 LN 4	FOOT	10,430.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60M61

State Job # - C-91-145-11

County Name - COOK- -

Code - 31 - -

District - 1 - -

Section Number - 103R-4

Project Number

NHPP-0330/073/

Route

FAP 330

*REVISED: APRIL 16, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
78008230	POLYUREA PM T1 LN 6	FOOT	7,621.000				
78008250	POLYUREA PM T1 LN 12	FOOT	45.000				
78008270	POLYUREA PM T1 LN 24	FOOT	1,267.000				
78100100	RAISED REFL PAVT MKR	EACH	1,206.000				
78200530	BAR WALL MKR TYPE C	EACH	120.000				
78300100	PAVT MARKING REMOVAL	SQ FT	9,120.000				
78300200	RAISED REF PVT MK REM	EACH	500.000				
80400100	ELECT SERV INSTALL	EACH	6.000				
80400200	ELECT UTIL SERV CONN	L SUM	1.000		25,000.000		25,000.000
80500010	SERV INSTALL GRND MT	EACH	5.000				
80500020	SERV INSTALL POLE MT	EACH	2.000				
81028200	UNDRGRD C GALVS 2	FOOT	14,503.000				
81028210	UNDRGRD C GALVS 2 1/2	FOOT	205.000				
81028220	UNDRGRD C GALVS 3	FOOT	150.000				
81028230	UNDRGRD C GALVS 3 1/2	FOOT	205.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60M61

State Job # - C-91-145-11

County Name - COOK - -

Code - 31 - -

District - 1 - -

Section Number - 103R-4

Project Number

NHPP-0330/073/

Route

FAP 330

*REVISED: APRIL 16, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
81028240	UNDRGRD C GALVS 4	FOOT	15,388.000				
81028390	UNDRGRD C PVC 4	FOOT	10,696.000				
81200260	CON EMB STR 3.5 PVC	FOOT	605.000				
81400100	HANDHOLE	EACH	102.000				
81400200	HD HANDHOLE	EACH	32.000				
81400300	DBL HANDHOLE	EACH	16.000				
81603051	UD 3#6#8G XLPUSE 1.25	FOOT	24,067.000				
81603060	UD 3#8 #10G XLPUSE 1	FOOT	535.000				
81603063	UD 4#10 #10GXLP 1P	FOOT	2,654.000				
81603081	UD 3#2#4GXLPUSE 1.5 P	FOOT	24,077.000				
81800300	A CBL 3-1C2 MESS WIRE	FOOT	11,057.000				
82102250	LUM SV HOR MT 250W	EACH	24.000				
82102400	LUM SV HOR MT 400W	EACH	94.000				
83600200	LIGHT POLE FDN 24D	FOOT	1,070.000				
83800205	BKWY DEV TR B 15BC	EACH	41.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60M61

State Job # - C-91-145-11

Project Number
 NHPP-0330/073/

Route
 FAP 330

County Name - COOK - -

Code - 31 - -

District - 1 - -

Section Number - 103R-4

*REVISED: APRIL 16, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
84100110	REM TEMP LIGHT UNIT	EACH	98.000				
84200500	REM LT UNIT SALV	EACH	44.000				
84200804	REM POLE FDN	EACH	64.000				
84500130	REMOV LTG CONTR FDN	EACH	2.000				
85000200	MAIN EX TR SIG INSTAL	EACH	2.000				
86400100	TRANSCEIVER - FIB OPT	EACH	7.000				
87300925	ELCBL C TRACER 14 1C	FOOT	11,938.000				
87301215	ELCBL C SIGNAL 14 2C	FOOT	9,908.000				
*REV 87301225	ELCBL C SIGNAL 14 3C	FOOT	16,635.000				
87301245	ELCBL C SIGNAL 14 5C	FOOT	23,977.000				
87301255	ELCBL C SIGNAL 14 7C	FOOT	7,024.000				
87301305	ELCBL C LEAD 14 1PR	FOOT	21,343.000				
87301790	ELCBL C SERV 2 2C	FOOT	1,216.000				
87301800	ELCBL C SERV 4 2C	FOOT	239.000				
87301805	ELCBL C SERV 6 2C	FOOT	490.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60M61

State Job # - C-91-145-11

Project Number
 NHPP-0330/073/

Route
 FAP 330

County Name - COOK - -

Code - 31 - -

District - 1 - -

Section Number - 103R-4

*REVISED: APRIL 16, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
87301900	ELCBL C EGRDC 6 1C	FOOT	6,015.000				
87502480	TS POST GALVS 14	EACH	7.000				
87502500	TS POST GALVS 16	EACH	8.000				
87702950	STL COMB MAA&P 44	EACH	1.000				
87702970	STL COMB MAA&P 48	EACH	1.000				
87702980	STL COMB MAA&P 50	EACH	4.000				
87702985	STL COMB MAA&P 52	EACH	10.000				
87702990	STL COMB MAA&P 54	EACH	3.000				
87703000	STL COMB MAA&P 55	EACH	1.000				
87703010	STL COMB MAA&P 56	EACH	2.000				
87703020	STL COMB MAA&P 58	EACH	3.000				
87703030	STL COMB MAA&P 60	EACH	2.000				
87703050	STL COMB MAA&P 64	EACH	1.000				
87800100	CONC FDN TY A	FOOT	60.000				
87800150	CONC FDN TY C	FOOT	28.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60M61

State Job # - C-91-145-11

County Name - COOK - -

Code - 31 - -

District - 1 - -

Section Number - 103R-4

Project Number

NHPP-0330/073/

Route

FAP 330

*REVISED: APRIL 16, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
87800415	CONC FDN TY E 36D	FOOT	298.000				
87800420	CONC FDN TY E 42D	FOOT	168.000				
87900200	DRILL EX HANDHOLE	EACH	7.000				
88030020	SH LED 1F 3S MAM	EACH	78.000				
88030100	SH LED 1F 5S BM	EACH	4.000				
88030110	SH LED 1F 5S MAM	EACH	12.000				
88030210	SH LED 2F 3S BM	EACH	16.000				
88030240	SH LED 2F 1-3 1-5 BM	EACH	8.000				
88102717	PED SH LED 1F BM CDT	EACH	14.000				
88102747	PED SH LED 2F BM CDT	EACH	21.000				
88200210	TS BACKPLATE LOU ALUM	EACH	90.000				
88500100	INDUCTIVE LOOP DETECT	EACH	81.000				
88600100	DET LOOP T1	FOOT	954.000				
88600700	PREFORM DETECT LOOP	FOOT	6,436.000				
88700200	LIGHT DETECTOR	EACH	21.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60M61

State Job # - C-91-145-11

County Name - COOK - -

Code - 31 - -

District - 1 - -

Section Number - 103R-4

Project Number

NHPP-0330/073/

Route

FAP 330

*REVISED: APRIL 16, 2013

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
88700300	LIGHT DETECTOR AMP	EACH	7.000				
88800100	PED PUSH-BUTTON	EACH	56.000				
89000100	TEMP TR SIG INSTALL	EACH	7.000				
89502300	REM ELCBL FR CON	FOOT	2,055.000				
89502375	REMOV EX TS EQUIP	EACH	5.000				
89502376	REBUILD EX HANDHOLE	EACH	2.000				
89502380	REMOV EX HANDHOLE	EACH	68.000				
89502385	REMOV EX CONC FDN	EACH	46.000				

WARM MIX ASPHALT (BDE) 329
WEEKLY DBE TRUCKING REPORTS (BDE) 335
BITUMINOUS MATERIALS COST ADJUSTMENTS (BDE) (RETURN FORM WITH BID)..... 335
FUEL COST ADJUSTMENT (BDE) (RETURN FORM WITH BID) 337
STEEL COST ADJUSTMENT (BDE) (RETURN FORM WITH BID) 342
PROJECT LABOR AGREEMENT - QUARTERLY EMPLOYMENT REPORT 346
PROJECT LABOR AGREEMENT 347
EXISTING PAVEMENT THICKNESS 365
WORK RESTRICTION ON PARCEL 0H40013..... 365

Revised 4-19-2013

COMPLETION DATE PLUS GUARANTEED WORKING DAYS

Effective: September 30, 1985

Revised: January 1, 2007

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

“When a completion date plus guaranteed working days is specified, the Contractor shall complete all contract items by 11:59 PM, July 31, 2015 except as specified herein.”

The Contractor will be allowed to complete remaining landscaping, remaining traffic signals, clean up, and punch list items within 10 guaranteed working days after the completion date. Under extenuating circumstances, the Engineer may direct that certain items of work may be completed within the guaranteed working days allowed for clean-up work and punch list items. Temporary lane closures for this work may be allowed at the discretion of the Engineer.

Article 108.09 of the Standard Specifications 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.

FAILURE TO COMPLETE THE WORK ON TIME

Effective: September 30, 1985

Revised: January 1, 2007

Should the Contractor fail to complete the work on or before the completion date as specified in the Special Provision for “Completion Date Plus Working Days”, or within such extended time as may have been allowed by the Department, the Contractor shall be liable to the Department in the amount of \$ 6,000, not as a penalty but as liquidated damages, for each calendar day or a portion thereof of overrun in the contract time or such extended time as may have been allowed.

In fixing the damages as set out herein, the desire is to establish a certain mode of calculation for the work since the Department’s actual loss, in the event of delay, cannot be predetermined, would be difficult of ascertainment, and a matter of argument and unprofitable litigation. This said mode is an equitable rule for measurement of the Department’s actual loss and fairly takes into account the loss of use of the roadway if the project is delayed in completion. The Department shall not be required to provide any actual loss in order to recover these liquidated damages provided herein, as said damages are very difficult to ascertain. Furthermore, no provision of this clause shall be construed as a penalty, as such is not the intention of the parties.

A calendar day is every day shown on the calendar and starts at 12:00 midnight and ends at the following 12:00 midnight, twenty-four hours later.

Revised 4-19-2013

Closure of alternate Cross streets will be permitted. The contractor will not be allowed to close to two adjacent cross streets at the same time. During closure of the side street, the contractor shall stage their operations such that driveway access shall remain open at all times. 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 for the duration of the detour.

Method of Measurement and Basis of Payment: All traffic control for cross street construction (including those closed to traffic and detoured) shall not be paid for separately but included in the lump sum price for TRAFFIC CONTROL AND PROTECTION, (SPECIAL). Detour signing shall be paid for at the contract unit price per square foot (square meter) for TEMPORARY INFORMATION SIGNING.

Failure to Open Cross Streets to Traffic: Should the Contractor fail to completely open and keep open all the traffic lanes to traffic on the cross streets within 21 consecutive days in accordance with the limitations specified above, the Contractor shall be liable and shall pay to the Department the amount of **\$3,000** per day, not as a penalty but as liquidated and ascertained damages, for each day or a portion thereof that the cross street is closed outside the allowable time limitations. The Department may deduct such damages from any monies due the Contractor.

LANE CLOSURE RESTRICTIONS

The Contractor will not be allowed permanent lane closures On us Route 45. All work under this contract must be completed with daily lane closures. Daily lane closures will not be allowed during the times indicated below;

DAY	LANES CLOSURE RESTRICTION TIMES	
	Northbound	Southbound
Monday	2:30 p.m. – 6:30 p.m.	2:30 p.m. – 6:30 p.m.
Tuesday	2:30 p.m. – 6:30 p.m.	2:30 p.m. – 6:30 p.m.
Wednesday	2:30 p.m. – 6:30 p.m.	2:30 p.m. – 6:30 p.m.
Thursday	2:30 p.m. – 6:30 p.m.	2:30 p.m. – 6:30 p.m.
Friday	2:30 p.m. – 6:30 p.m.	2:30 p.m. – 6:30 p.m.
Saturday	11:00 a.m. to 2:00 p.m.	11:00 a.m. to 2:00 p.m.
Sunday	No restrictions	No restrictions

The Contractor shall request and gain approval from the Resident Engineer seventy-two (72) hours in advance of all closures. In addition to the times indicated above, no lane closures will be allowed from Thanksgiving day to January 2nd.

Revised 4-19-2013

Measured Quantities. Lightweight Cellular Concrete Fill will be measured in its final position and the volume in cubic yards (cubic meters) computed by method of average end areas. The dimensions used in calculating the average end areas shall not exceed the neat lines shown in the plans unless ordered in writing by the Engineer.

Basis of Payment. This work will be paid for at the contract unit price per cubic yard (cubic meter) for LIGHTWEIGHT CELLULAR CONCRETE FILL of the class specified.

ORNAMENTAL RAILING

Description. This work shall consist of designing, furnishing and installing new aluminum pedestrian railings as shown on the Plans. The work shall conform to the applicable portions of Section 509 of the IDOT Standard Specifications, except as specified herein.

General. The Contractor shall submit complete design calculations and shop drawings to the Engineer for review and approval prior to ordering of materials. The railing design shall be in accordance with the AASTHO LRFD Bridge Design Specifications, 2012. All submittals shall be sealed by an Illinois Licensed Structural Engineer.

Materials. Brackets, Flanges, and Anchors shall be of the same metal and finish as supported rails unless otherwise indicated.

Aluminum alloy and temper provided shall be recommended by aluminum producer and finisher for type of use and finish indicated, and with strength and durability properties for each aluminum form required not less than that of alloy and temper designated below:

- A. Extruded Bars and Shapes, Including Extruded Tubing: ASTM B 221, Alloy 6063-T5/T52.
- B. Extruded Structural Pipe and Round Tubing: ASTM B 429/B 429M, Alloy 6063-T6.
- C. Plate and Sheet: ASTM B 209, Alloy 6061-T6.
- D. Die and Hand Forgings: ASTM B 247, Alloy 6061-T6.
- E. Castings: ASTM B 26/B 26M, Alloy A356-T6.

Fasteners. Unless otherwise indicated, the following shall be provided:

- 1. Aluminum Components: Type 304 stainless-steel fasteners.
- 2. Stainless-Steel Components: Type 304 stainless-steel fasteners.
- 3. Dissimilar Metals: Type 304 stainless-steel fasteners.

Anchors shall be capable of sustaining, without failure, a load equal to six times the load imposed when installed in unit masonry and four times the load imposed when installed in concrete, as determined by testing according to ASTM E 488, conducted by a qualified independent testing agency.

Post-Installed Anchors shall be torque-controlled expansion anchors.

Fabrication

General: Railings shall be fabricated to comply with requirements indicated for design, dimensions, member sizes and spacing, details, finish, and anchorage, but not less than that required to support structural loads.

Connections: Railings shall be fabricated with welded or non-welded connections unless otherwise indicated.

Welded Connections: Components shall be coped at connections to provide close fit, or fittings designed for this purpose shall be used. Connections shall be welded all around, including at fittings. At exposed connections, welds shall be finished to comply with National Ornamental and Miscellaneous Metals Association (NOMMA) "Voluntary Joint Finish Standards" for Type 1 welds: no evidence of a welded joint.

Brazed Connections: Copper-alloy railings shall be connected by brazing. Components shall be coped at connections to provide close fit, or fittings designed for this purpose shall be used. Corners and seams shall be continuously brazed.

At exposed connections, exposed surfaces shall be finished smooth and blended so no roughness shows after finishing and brazed surface matches contours of adjoining surfaces.

Mechanical Connections: Members shall be connected with concealed mechanical fasteners and fittings.

Changes in direction shall be formed by bending or by inserting prefabricated elbow fittings.

Members shall be bent in jigs to produce uniform curvature for each configuration required; cross section of member shall be maintained throughout entire bend without buckling, twisting, cracking, or otherwise deforming exposed surfaces of components.

Exposed ends of hollow railing members shall be closed with prefabricated end fittings.

Brackets, Flanges, Fittings, and Anchors: Wall brackets, flanges, miscellaneous fittings, and anchors shall be provided to interconnect railing members to other work unless otherwise indicated.

Revised 4-19-2013

Finish. The factory applied finish shall be a Black Powder Coat finish to match the existing railing installed elsewhere along the corridor at the intersection of US 45 at 143rd Street.

Installation. Cutting, drilling, and fitting shall be performed as required for installing railings. Railings shall be set accurately in location, alignment, and elevation; measured from established lines and levels and free of rack. Posts shall be set plumb within a tolerance of 1/16 inch in 3 feet. Rails shall be aligned so variations from level for horizontal members and variations from parallel with rake of steps and ramps for sloping members do not exceed 1/4 inch in 12 feet).

Corrosion Protection: Concealed surfaces of aluminum that will be in contact with grout, concrete, masonry, wood, or dissimilar metals, shall be coated with a heavy coat of bituminous paint.

Posts shall be anchored to concrete and metal surfaces as indicated using fittings designed and engineered for this purpose.

Railing posts not mounted on top of concrete walls or walks shall be set in concrete footers having a minimum depth of 36 inches.

Revised 4-19-2013

Basis of Payment:

This work will be measured and paid for at the contract unit price per foot for ORNAMENTAL RAILING which price shall include all labor, materials, equipment, tools and incidentals necessary to complete this item as specified.

ENGINEER'S FIELD OFFICE TYPE A (SPECIAL)

670.02 Engineer's Field Office Type A. Revise the first paragraph of this Article to read:

Engineer's Field Office Type A (Special). Type A (Special) field offices shall have a ceiling height of not less than 7 feet and a floor space of not less than 3000 square feet with a minimum of two separate offices. The office shall also have a separate storage room capable of being locked for the storage of the nuclear measuring devices. The office shall be provided with sufficient heat, natural and artificial light, and air conditioning. Doors and windows shall be equipped with locks approved by the Engineer.

Revise the second sentence of the fourth paragraph of this Article to read: Solid waste disposal consisting of seven waste baskets and an outside trash container of sufficient size to accommodate a weekly provided pick-up service.

Add the following to the fourth paragraph of this Article: A weekly cleaning service for the office shall be provided. Separate sanitary facilities will be provided for men and women.

Revise the fifth paragraph of this Article to read: An electronic security system that will respond to any breach of exterior doors and windows with an on-site alarm shall be provided.

Add the following to a separate paragraph following the fifth paragraph to read:

Parking will be provided for twelve vehicles.

Revise subparagraph (a) of this Article to read:

a) Fifteen desks with minimum working surface 42 inch x 30 inch each and fifteen non-folding chairs with upholstered seats and backs.

Revise the first sentence of subparagraph (c) of this Article to read:

c) Two four-post drafting tables with minimum top size of 37-½ inch x 48 inch.

Revise subparagraph (d) of this Article to read:

d) Eight free standing four-drawer legal size file cabinets with lock and an underwriters' laboratories insulated file device 350 degrees one hour rating.

Revise subparagraph (e) of this Article to read:

e) Twenty folding chairs and three conference tables with minimum top size of 44 inch x 96 inch.

Revise subparagraph (g) of this Article to read:

g) Two office style refrigerators with a minimum size of 8 cubic feet with a freezer unit.

Revise subparagraph (h) of this Article to read:

h) Three electric desk type tape printing calculator and two pocket scientific notation calculators with a 1000 hour battery life or with a portable recharger.

Revised 4-19-2013

Specification references made herein for manufactured materials such as pipe, hydrants, valves and fittings refer to designation of the American Water Works Association (AWWA) or of the American National Standards Institute (ANSI).

All manufactured items shall be standard commercial products of reputable manufacturers. Where materials are shown on the Drawings or listed but not specifically covered by a standard or specification, the Contractor shall furnish best commercial grades of material or articles subject to the approval of the Engineer. When two or more articles of the same material or equipment are required, similar articles of the same size shall be products of a single manufacturer.

The Contractor shall warrant the equipment to be free of material or workmanship defects for a period of one (1) year from the date of substantial completion established by the Owner. The work specified herein shall be warranted to be free of material or workmanship defects for a period of one year from the date of substantial completion established by the Owner.

The Village of Orland Park has approved the following manufacturers for piping materials:

- A. U.S. Pipe & Foundry – Ductile Iron Pipe and Fittings
- B. American Ductile Iron Pipe Co. – Ductile Iron Pipe and Fittings
- C. Griffin – Ductile Iron Pipe and Fittings
- D. Clow Co. – **Ductile Iron Pipe and Fittings, and** Gate Valves
- E. Tapping Sleeves and Valves – American Flow Control
- F. Mueller Co. – Corporation Connection Materials and Valves
- G. East Jordan Iron Works – Hydrants, castings
- H. Tyler Union – Valve Boxes
- I. Substitutions – Subject to approval by the Engineer

Materials:

1. Water Main Pipe - Ductile Iron
 - a. Pipe thickness shall be ANSI A21.50 (AWWA C150) minimum thickness Class 52.
 - b. Pipe – ANSI 21.51 (AWWA C151). Ductile iron pipe shall be push-on type.
 - c. Pipe lining - ANSI A21.4 (AWWA C104).
 - d. Joints - Push-On or Mechanical Joint - ANSI A21.11 (AWWA C111).
 - e. Fittings – ANSI 21.10 (AWWA C110) for standard body, or ANSI A21.53 (AWWA C153) for compact body. All bends, tees, and fittings must be restrained, mechanical joint type.
 - f. Bolts, nuts, and threaded rods shall be ASTM A307, Grade B.
 - g. Coatings - Asphaltic coated in accordance with ANSI A21.51 (AWWA C151) for pipe, ANSI A21.53 (AWWA C153) for compact fittings, and ANSI A21.10 (AWWA C110) for standard fittings.
 - h. Encasement – All buried ductile iron pipe and fittings shall be encased in polyethylene conforming to the requirements of ANSI A21.5 (AWWA C105). The polyethylene encasement shall be provided by the ductile iron pipe manufacturer and installed per the manufacturer's recommendation.

Revised 4-19-2013

EXISTING PAVEMENT THICKNESS

Wherever on the Existing Typical Section the existing concrete pavement is shown as 8" and varies the thickness shall be interpreted to be 10" of Concrete Pavement. The 10" concrete pavement shall be removed and paid for in accordance with Section 440 of the Standard Specifications.

WORK RESTRICTION ON PARCEL 0H40013

The contract includes items to remove, re-grade, and replace the bituminous surface at a gas station due to a change in elevations. Upon commencement of removal of the bituminous surface, the contractor should schedule their operations to complete all bituminous restoration work inside the proposed right of way and the pumps islands within 3 weeks. This restriction shall not apply to restoration of the driveway.

Added 4-19-2013