



Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

September 6, 2017

SUBJECT FAP Routes 350 & 351 (US 6 & IL 50)
Project NHPP-STP 9525 (468)
Section (537 & 3277-Z) B-1
Cook County
Contract No. 60K73
Item No. 4, September 22, 2017 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. Revised the Schedule of Prices.
2. Revised page iv of the Table of Contents to the Special Provisions.
3. Revised pages 3 - 5 of the Special Provisions.
4. Added pages 232 – 237 to the Special Provisions.
5. Revised sheets 11, 13, 27, 84, 126 & 127 of the Plans.

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

Very truly yours,

Maureen M. Addis, P.E.
Engineer of Design and Environment

A handwritten signature in black ink, appearing to read 'Ted B. Walschleger P.E.'.

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

cc: John Fortmann, Region 1, District 1; D. Carl Puzey; Tim Kell; Estimates

MS/ab

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60K73

State Job # - C-91-582-10

County Name - COOK - -

Code - 31 - -

District - 1 - -

Section Number - (537 & 3277-Z)B-1

Project Number

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Route

FAP 351

FAP 350

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
X0100013	TRENCH BACK WATERMAIN	CU YD	210.000				
X0321837	REMOVE SHEET PILING	L SUM	1.000				
X0322128	MEMBR WTRPR B STRUCT	SQ YD	2,135.000				
X0322141	REM TEMP WOOD POLE	EACH	4.000				
X0322936	REMOV EX FLAR END SEC	EACH	1.000				
X0324085	EM VEH P S LSC 20 3C	FOOT	694.000				
X0324599	ROD AND CLEAN EX COND	FOOT	500.000				
X0325734	SLOTTED DRAIN REMOVAL	FOOT	40.000				
X0326806	WASHOUT BASIN	L SUM	1.000				
X0327036	BIKE PATH REM	SQ YD	118.000				
X0327078	REM FIRE HYD/VALV ASS	EACH	1.000				
X0327694	GATE VALVE 8 VAULT 4	EACH	2.000				
X0327980	PAVMT MRKG REM WTR BL	SQ FT	1,560.000				
X1200020	DI SOLID SLEEVE 6	EACH	2.000				
X1400108	FAC T SUPER R CAB SP	EACH	1.000				

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X1400150	SERV INSTL GR MT MTR	EACH	1.000				
X2010400	STUMP REMOVAL ONLY	UNIT	43.000				
X2502024	SEEDING CL 4B MOD	ACRE	0.250				
X2600024	TEMP WP 30 CL 3	EACH	4.000				
X4402020	CONC MEDIAN SURF REM	SQ FT	2,637.000				
X4421791	CL D PATCH T4 12 SPL	SQ YD	57.000				
X5610656	WATER MAIN ABANDON 6	FOOT	210.000				
X5610900	DIWM 8 DIAM REST JT	FOOT	226.000				
X5630706	CONN TO EX W MAIN 6	EACH	2.000				
X6640300	CH LK FENCE REMOV	FOOT	68.000				
X6640310	CH LK GATES REMOV	EACH	2.000				
X7010216	TRAF CONT & PROT SPL	L SUM	1.000				
X7015005	CHANGEABLE MESSAGE SN	CAL DA	180.000				
X7040125	PIN TEMP CONC BARRIER	EACH	159.000				
X7830050	RAISD REF PM REFL REM	EACH	252.000				

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FAP 350

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X8600105	MASTER CONTROLLER SPL	EACH	1.000				
X8620200	UNINTER POWER SUP SPL	EACH	1.000				
X8710024	FOCC62.5/125 MM12SM24	FOOT	4,218.000				
X8950510	REM FOC FR CONDUIT	FOOT	4,202.000				
X8951011	REM AERIAL CABLE	FOOT	200.000				
Z0004530	HMA DRIVEWAY PAVT 8	SQ YD	97.000				
Z0004544	HMA DRIVWY PAVT REM	SQ YD	106.000				
Z0007430	TEMP SIDEWALK	SQ FT	3,400.000				
Z0013797	STAB CONSTR ENTRANCE	SQ YD	60.000				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.000				
Z0015500	DEBRIS REMOVAL	L SUM	1.000				
Z0018500	DRAINAGE STR CLEANED	EACH	47.000				
Z0022800	FENCE REMOVAL	FOOT	112.000				
Z0030850	TEMP INFO SIGNING	SQ FT	102.800				
Z0033020	LUM SFTY CABLE ASMBLY	EACH	16.000				

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Z0033028	MAINTAIN LIGHTING SYS	CAL MO	6.000				
Z0033046	RE-OPTIMIZE SIG SYS 2	EACH	1.000				
Z0054400	ROCK FILL	CU YD	323.000				
Z0065745	SLOT DR 12" W/2.5" SL	FOOT	88.000				
Z0067900	STEEL CASINGS 24	FOOT	53.000				
Z0073510	TEMP TR SIGNAL TIMING	EACH	5.000				
Z0076600	TRAINEES	HOUR	500.000		0.800		400.000
Z0076604	TRAINEES TPG	HOUR	500.000		15.000		7,500.000
20100110	TREE REMOV 6-15	UNIT	130.000				
20100210	TREE REMOV OVER 15	UNIT	30.000				
20101000	TEMPORARY FENCE	FOOT	758.000				
20200100	EARTH EXCAVATION	CU YD	859.000				
20201200	REM & DISP UNS MATL	CU YD	24.000				
20700220	POROUS GRAN EMBANK	CU YD	2,603.000				
20800150	TRENCH BACKFILL	CU YD	121.000				

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21101505	TOPSOIL EXC & PLAC	CU YD	152.000				
21101615	TOPSOIL F & P 4	SQ YD	2,921.000				
21101805	COMPOST F & P 2	SQ YD	4,289.000				
25000210	SEEDING CL 2A	ACRE	1.000				
25000400	NITROGEN FERT NUTR	POUND	71.000				
25000500	PHOSPHORUS FERT NUTR	POUND	71.000				
25000600	POTASSIUM FERT NUTR	POUND	71.000				
25100115	MULCH METHOD 2	ACRE	1.000				
25100630	EROSION CONTR BLANKET	SQ YD	4,289.000				
28000250	TEMP EROS CONTR SEED	POUND	178.000				
28000305	TEMP DITCH CHECKS	FOOT	30.000				
28000400	PERIMETER EROS BAR	FOOT	1,277.000				
28000510	INLET FILTERS	EACH	111.000				
28100109	STONE RIPRAP CL A5	SQ YD	124.000				
28200200	FILTER FABRIC	SQ YD	124.000				

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30300112	AGG SUBGRADE IMPR 12	SQ YD	3,621.000				
31101000	SUB GRAN MAT B	TON	1,482.000				
35101600	AGG BASE CSE B 4	SQ YD	1,534.000				
35101800	AGG BASE CSE B 6	SQ YD	671.000				
35102300	AGG BASE CSE B 11	SQ YD	277.000				
35501316	HMA BASE CSE 8	SQ YD	2,352.000				
35600708	HMA BC WID 8	SQ YD	481.000				
40600290	BIT MATLS TACK CT	POUND	8,437.000				
40600827	P LB MM IL-4.75 N50	TON	509.000				
40600982	HMA SURF REM BUTT JT	SQ YD	203.000				
40603085	HMA BC IL-19.0 N70	TON	168.000				
40603565	P HMA SC "E" N70	TON	1,357.000				
42001300	PROTECTIVE COAT	SQ YD	2,835.000				
42300400	PCC DRIVEWAY PAVT 8	SQ YD	47.000				
42400200	PC CONC SIDEWALK 5	SQ FT	12,210.000				

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42400800	DETECTABLE WARNINGS	SQ FT	237.000				
44000100	PAVEMENT REM	SQ YD	2,452.000				
44000160	HMA SURF REM 2 3/4	SQ YD	9,298.000				
44000200	DRIVE PAVEMENT REM	SQ YD	38.000				
44000500	COMB CURB GUTTER REM	FOOT	3,267.000				
44000600	SIDEWALK REM	SQ FT	9,092.000				
44003100	MEDIAN REMOVAL	SQ FT	1,254.000				
44201773	CL D PATCH T1 11	SQ YD	4.000				
44201777	CL D PATCH T2 11	SQ YD	7.000				
44201783	CL D PATCH T4 11	SQ YD	52.000				
50100300	REM EXIST STRUCT N1	EACH	1.000				
50100400	REM EXIST STRUCT N2	EACH	1.000				
50200450	REM/DISP UNS MATL-STR	CU YD	957.000				
50800205	REINF BARS, EPOXY CTD	POUND	281,940.000				
50800515	BAR SPLICERS	EACH	672.000				

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51500100	NAME PLATES	EACH	1.000				
52200010	TEMP SHT PILING	SQ FT	4,522.000				
52200015	PERM SHT PILING	SQ FT	426.000				
52200100	FUR SOLDIER PILES HP	FOOT	242.000				
52200200	DRILL SET SLD PI SOIL	CU FT	1,184.000				
52200250	UNTREATED TIMBER LAG	SQ FT	298.000				
54003000	CONC BOX CUL	CU YD	1,866.200				
550A0040	STORM SEW CL A 1 10	FOOT	98.000				
550A0050	STORM SEW CL A 1 12	FOOT	84.000				
550A0070	STORM SEW CL A 1 15	FOOT	8.000				
550A0120	STORM SEW CL A 1 24	FOOT	36.000				
550A0330	STORM SEW CL A 2 10	FOOT	10.000				
550A0340	STORM SEW CL A 2 12	FOOT	67.000				
550A0410	STORM SEW CL A 2 24	FOOT	132.000				
550A0490	STORM SEW CL A 2 54	FOOT	10.000				

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550A0500	STORM SEW CL A 2 60	FOOT	20.000				
55100300	STORM SEWER REM 8	FOOT	8.000				
55100400	STORM SEWER REM 10	FOOT	119.000				
55100500	STORM SEWER REM 12	FOOT	93.000				
55101200	STORM SEWER REM 24	FOOT	152.000				
55102000	STORM SEWER REM 54	FOOT	36.000				
55102100	STORM SEWER REM 60	FOOT	20.000				
55102300	STORM SEWER REM 72	FOOT	133.000				
56101150	DI WAT MN RED, 8 X 6	EACH	2.000				
56109408	DI WT MNF 8 22.50 DB	EACH	1.000				
56109420	DI WT MNF 8 45.0 DB	EACH	6.000				
56400600	FIRE HYDRANTS	EACH	1.000				
58700300	CONCRETE SEALER	SQ FT	263.000				
60100945	PIPE DRAINS 12	FOOT	10.000				
60108204	PIPE UNDERDR T 2 4	FOOT	1,629.000				

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FAP 350

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60200105	CB TA 4 DIA T1F OL	EACH	1.000				
60200805	CB TA 4 DIA T8G	EACH	1.000				
60201340	CB TA 4 DIA T24F&G	EACH	5.000				
60206905	CB TC T1F OL	EACH	6.000				
60208230	CB TC T23F&G	EACH	4.000				
60208240	CB TC T24F&G	EACH	7.000				
60221100	MAN TA 5 DIA T1F CL	EACH	1.000				
60224459	MAN TA 8 DIA T1F CL	EACH	1.000				
60237470	INLETS TA T24F&G	EACH	2.000				
60250400	CB ADJ NEW T1F OL	EACH	1.000				
60250500	CB ADJ NEW T1F CL	EACH	5.000				
60251740	CB ADJ NEW T24F&G	EACH	1.000				
60255800	MAN ADJ NEW T1F CL	EACH	5.000				
60500050	REMOV CATCH BAS	EACH	21.000				
60603800	COMB CC&G TB6.12	FOOT	1,897.000				

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60604400	COMB CC&G TB6.18	FOOT	138.000				
60605000	COMB CC&G TB6.24	FOOT	1,698.000				
60608300	COMB CC&G TM2.12	FOOT	600.000				
60618300	CONC MEDIAN SURF 4	SQ FT	2,500.000				
60619600	CONC MED TSB6.12	SQ FT	72.000				
60626300	STAB MED SURF	SQ YD	213.000				
63100045	TRAF BAR TERM T2	EACH	1.000				
63100085	TRAF BAR TERM T6	EACH	2.000				
63100167	TR BAR TRM T1 SPL TAN	EACH	1.000				
63200310	GUARDRAIL REMOV	FOOT	178.000				
66400305	CH LK FENCE 6	FOOT	68.000				
66407600	CH LK GATES 6X12 DBL	EACH	1.000				
*REV 66900200	NON SPL WASTE DISPOSL	CU YD	4,010.000				
66900450	SPL WASTE PLNS/REPORT	L SUM	1.000				
*REV 66900530	SOIL DISPOSAL ANALY	EACH	5.000				

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67000400	ENGR FIELD OFFICE A	CAL MO	14.000				
67100100	MOBILIZATION	L SUM	1.000				
70102625	TR CONT & PROT 701606	L SUM	1.000				
70102630	TR CONT & PROT 701601	L SUM	1.000				
70102635	TR CONT & PROT 701701	L SUM	1.000				
70102640	TR CONT & PROT 701801	L SUM	1.000				
70103815	TR CONT SURVEILLANCE	CAL DA	265.000				
70300100	SHORT TERM PAVT MKING	FOOT	19,087.000				
70300150	SHRT TRM PAVT MK REM	SQ FT	1,280.000				
70300900	PAVT MARK TAPE T4 L&S	SQ FT	1,502.000				
70300904	PAVT MARK TAPE T4 4	FOOT	39,570.000				
70300906	PAVT MARK TAPE T4 6	FOOT	6,720.000				
70300912	PAVT MARK TAPE T4 12	FOOT	1,100.000				
70300924	PAVT MARK TAPE T4 24	FOOT	470.000				
70400100	TEMP CONC BARRIER	FOOT	412.500				

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70400200	REL TEMP CONC BARRIER	FOOT	300.000				
70600241	IMP ATTN TEMP NRN TL2	EACH	2.000				
70600341	IMP ATTN REL NRN TL2	EACH	2.000				
72000100	SIGN PANEL T1	SQ FT	158.000				
72000200	SIGN PANEL T2	SQ FT	47.500				
72400100	REMOV SIN PAN ASSY TA	EACH	5.000				
72400310	REMOV SIGN PANEL T1	SQ FT	71.700				
72400500	RELOC SIN PAN ASSY TA	EACH	2.000				
72400710	RELOC SIGN PANEL T1	SQ FT	55.600				
72501000	TERMINAL MARKER - DA	EACH	1.000				
72800100	TELES STL SIN SUPPORT	FOOT	271.000				
78000100	THPL PVT MK LTR & SYM	SQ FT	582.000				
78000200	THPL PVT MK LINE 4	FOOT	12,085.000				
*REV 78000400	THPL PVT MK LINE 6	FOOT	2,717.000				
78000600	THPL PVT MK LINE 12	FOOT	1,464.000				

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78000650	THPL PVT MK LINE 24	FOOT	221.000				
78100100	RAISED REFL PAVT MKR	EACH	146.000				
78100200	TEMP RAIS REF PVT MKR	EACH	35.000				
78100300	REPLACEMENT REFLECTOR	EACH	252.000				
78200006	GRDRAIL REF TYPE B	EACH	8.000				
78300200	RAISED REF PVT MK REM	EACH	93.000				
81028200	UNDRGRD C GALVS 2	FOOT	1,556.000				
81028220	UNDRGRD C GALVS 3	FOOT	1,227.000				
81028240	UNDRGRD C GALVS 4	FOOT	510.000				
81400100	HANDHOLE	EACH	9.000				
81400200	HD HANDHOLE	EACH	4.000				
81400300	DBL HANDHOLE	EACH	2.000				
81603051	UD 3#6#8G XLPUSE 1.25	FOOT	1,441.000				
81702417	EC C XLP 3-1C#6 1C#6G	FOOT	567.000				
81800330	A CBL 3-1C6 MESS WIRE	FOOT	200.000				

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83600200	LIGHT POLE FDN 24D	FOOT	152.000				
84200804	REM POLE FDN	EACH	16.000				
84400105	RELOC EX LT UNIT	EACH	16.000				
85000200	MAIN EX TR SIG INSTAL	EACH	2.000				
86400100	TRANSCEIVER - FIB OPT	EACH	1.000				
87300925	ELCBL C TRACER 14 1C	FOOT	4,172.000				
87301215	ELCBL C SIGNAL 14 2C	FOOT	1,472.000				
87301225	ELCBL C SIGNAL 14 3C	FOOT	2,194.000				
87301245	ELCBL C SIGNAL 14 5C	FOOT	2,349.000				
87301255	ELCBL C SIGNAL 14 7C	FOOT	2,039.000				
87301305	ELCBL C LEAD 14 1PR	FOOT	4,085.000				
87301805	ELCBL C SERV 6 2C	FOOT	68.000				
87301900	ELCBL C EGRDC 6 1C	FOOT	722.000				
87500600	TS POST 10	EACH	2.000				
87501200	TS POST 16	EACH	2.000				

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87700140	S MAA & P 20	EACH	1.000				
87700150	S MAA & P 22	EACH	1.000				
87700230	S MAA & P 38	EACH	1.000				
87700280	S MAA & P 48	EACH	1.000				
87700300	S MAA & P 52	EACH	1.000				
87700310	S MAA & P 54	EACH	1.000				
87800100	CONC FDN TY A	FOOT	20.000				
87800150	CONC FDN TY C	FOOT	4.000				
87800400	CONC FDN TY E 30D	FOOT	38.500				
87800415	CONC FDN TY E 36D	FOOT	51.000				
88030020	SH LED 1F 3S MAM	EACH	8.000				
88030050	SH LED 1F 3S BM	EACH	2.000				
88030100	SH LED 1F 5S BM	EACH	2.000				
88030110	SH LED 1F 5S MAM	EACH	8.000				
88102717	PED SH LED 1F BM CDT	EACH	8.000				

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF PRICES
 CONTRACT
 NUMBER -

60K73

State Job # - C-91-582-10

County Name - COOK - -

Code - 31 - -

District - 1 - -

Section Number - (537 & 3277-Z)B-1

Project Number

NHPP-STP-9525/468/

*REVISED: SEPTEMBER 05, 2017

Route

FAP 351

FAP 350

Item Number	Pay Item Description	Unit of Measure	Quantity	x	Unit Price	=	Total Price
88200410	TS BACKPLATE L F PLAS	EACH	16.000				
88500100	INDUCTIVE LOOP DETECT	EACH	13.000				
88600100	DET LOOP T1	FOOT	665.000				
88700200	LIGHT DETECTOR	EACH	2.000				
88700300	LIGHT DETECTOR AMP	EACH	1.000				
88800100	PED PUSH-BUTTON	EACH	8.000				
89000100	TEMP TR SIG INSTALL	EACH	1.000				
89502300	REM ELCBL FR CON	FOOT	4,156.000				
89502375	REMOV EX TS EQUIP	EACH	1.000				
89502380	REMOV EX HANDHOLE	EACH	18.000				
89502382	REMOV EX DBL HANDHOLE	EACH	1.000				
89502385	REMOV EX CONC FDN	EACH	15.000				

CONTRACT NUMBER

60K73

THIS IS THE TOTAL BID

\$ _____

NOTES:

- 1. Each PAY ITEM should have a UNIT PRICE and a TOTAL PRICE.**
- 2. The UNIT PRICE shall govern if no TOTAL PRICE is shown or if there is a discrepancy between the product of the UNIT PRICE multiplied by the QUANTITY.**
- 3. If a UNIT PRICE is omitted, the TOTAL PRICE will be divided by the QUANTITY in order to establish a UNIT PRICE.**
- 4. A bid may be declared UNACCEPTABLE if neither a unit price nor a total price is shown.**

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Revised 9/6/17

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 **Revised Special Provision** will likely require the Contractor to subcontract for the execution of certain activities.

All contaminated materials shall be managed as either “uncontaminated soil” or non-special waste. This work shall include monitoring and potential sampling, analytical testing, and management of a material contaminated by regulated substances. The Environmental Firm shall continuously monitor all soil excavation for worker protection and soil contamination. **Phase I Preliminary Engineering information is available through the District’s Environmental Studies Unit.** Soil samples or analysis without the approval of the Engineer will be at no additional cost to the Department. The lateral distance is measured from centerline and the farthest distance is the offset distance or construction limit whichever is less.

The Contractor shall manage any excavated soils and sediment within the following areas:

Site 2200V-7 (Commercial Building)

- Station 225+00 to Station 226+00 (CL US Route 6 / 159th Street), 0 to 60 feet LT, (Commercial Building, PESA Site 2200V-7, 4920 W. 159th Street, Oak Forest). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Manganese.
- Station 226+00 to Station 227+50 (CL US Route 6 / 159th Street), 0 to 60 feet LT, (Commercial Building, PESA Site 2200V-7, 4920 W. 159th Street, Oak Forest). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)pyrene and Arsenic.
- Station 227+50 to Station 229+10 (CL US Route 6 / 159th Street), 0 to 60 feet LT, (Commercial Building, PESA Site 2200V-7, 4920 W. 159th Street, Oak Forest). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Manganese.
- Station 229+10 to Station 229+80 (CL US Route 6 / 159th Street), 0 to 60 feet LT, (Commercial Building, PESA Site 2200V-7, 4920 W. 159th Street, Oak Forest). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, Lead and Manganese.

Revised 9/6/17

Site 2200V-5 (Oak Forest Metra Station)

- Station 229+80 to Station 232+20 (CL US Route 6 / 159th Street), 0 to 50 feet LT, (Oak Forest Metra Station, PESA Site 2200V-5, 4850 W. 159th Street, Oak Forest). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, Lead and Manganese.
- Station 63+70 to Station 64+30 (CL IL Route 50 / Cicero Avenue), 0 to 100 feet LT, (Oak Forest Metra Station, PESA Site 2200V-5, 4850 W. 159th Street, Oak Forest). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(a,h)anthracene, Lead and Manganese.
- Station 64+30 to Station 65+80 (CL IL Route 50 / Cicero Avenue), 0 to 100 feet LT, (Oak Forest Metra Station, PESA Site 2200V-5, 4850 W. 159th Street, Oak Forest). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Arsenic.
- Station 65+80 to Station 67+50 (CL IL Route 50 / Cicero Avenue), 0 to 50 feet LT, (Oak Forest Metra Station, PESA Site 2200V-5, 4850 W. 159th Street, Oak Forest). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Arsenic.

Site 2200V-8 (Parking Lot)

- Station 225+80 to Station 227+50 (CL US Route 6 / 159th Street), 0 to 60 feet RT, (Parking Lot, PESA Site 2200V-8, 15900 Oak Avenue, Oak Forest). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)pyrene and Arsenic.
- Station 227+50 to Station 228+60 (CL US Route 6 / 159th Street), 0 to 60 feet RT, (Parking Lot, PESA Site 2200V-8, 15900 Oak Avenue, Oak Forest). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Manganese.

Site 2200V-9 (King Heating & Air Conditioning)

- Station 228+60 to Station 229+80 (CL US Route 6 / 159th Street), 0 to 60 feet RT, (King Heating & Air Conditioning, PESA Site 2200V-9, 4813 W. 159th Street, Oak Forest). This material meets the criteria of Article 669.09(a)(2) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Manganese.
- Station 229+80 to Station 230+30 (CL US Route 6 / 159th Street), 0 to 50 feet RT, (King Heating & Air Conditioning, PESA Site 2200V-9, 4813 W. 159th Street, Oak Forest). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)pyrene and Manganese.

Revised 9/6/17

Site 2200V-12 (Vacant Lot)

- Station 230+30 to Station 231+40 (CL US Route 6 / 159th Street), 0 to 50 feet RT, (Vacant Lot, PESA Site 2200V-12, 15900 S. Cicero Avenue, Oak Forest). This material meets the criteria of Article 669.09(a)(1) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)pyrene, Benzo(b)fluoranthene, Lead and Manganese.
- Station 231+40 to Station 232+20 (CL US Route 6 / 159th Street), 0 to 50 feet RT, (Vacant Lot, PESA Site 2200V-12, 15900 S. Cicero Avenue, Oak Forest). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Carbazole, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene.
- Station 61+45 to Station 62+20 (CL IL Route 50 / Cicero Avenue), 0 to 50 feet LT, (Vacant Lot, PESA Site 2200V-12, 15900 S. Cicero Avenue, Oak Forest). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Carbazole, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene.
- Station 62+20 to Station 62+70 (CL IL Route 50 / Cicero Avenue), 0 to 75 feet LT, (Vacant Lot, PESA Site 2200V-12, 15900 S. Cicero Avenue, Oak Forest). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Carbazole, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene.

Site 2200V-17 (Midlothian Meadows)

- Station 65+50 to Station 66+60 (CL IL Route 50 / Cicero Avenue), 0 to 50 feet RT, (Midlothian Meadows, PESA Site 2200V-17, 4700 Block of W.159th Street, Oak Forest). This material meets the criteria of Article 669.09(a)(5) and shall be managed in accordance to Article 669.09. Contaminants of concern sampling parameters: Arsenic.

SLOTTED DRAIN

Effective: September 30, 1985

Revised: January 1, 2007

This work consists of furnishing and installing slotted drains at the locations shown in the plans.

Slotted drain shall be corrugated steel pipe conforming with the applicable requirements of Section 542 of the Standard Specifications, the details shown in the plans and as described herein.

The pipe shall be cut along the longitudinal axis and reinforced with a grate of solid spacer bars. The grate assembly shall be made from structural steel suitably welded to form the open slot and shall be hot-dip galvanized to meet the provisions of AASHTO M 111. The slot depth shall be as shown in the plans. The slot width shall be 1-3/4 inches (44 mm). Spacer bars shall be 3/16 inch (4.7 mm) solid web spacers on 6 inch (150 mm) centers for the full depth of the grating.

Revised 9/6/17

ADJUSTING FRAMES AND GRATES (BDE)

Effective: April 1, 2017

Add the following to Article 602.02 of the Standard Specifications:

- “(s) High Density Expanded Polystyrene Adjusting Rings
with Polyurea Coating (Note 4) 1043.04
- (t) Expanded Polypropylene (EPP) Adjusting Rings (Note 5) 1043.05

Note 4. High density expanded polystyrene adjusting rings with polyurea coating shall meet the design load requirements of AASHTO HS20/25. The rings may be used to adjust the frames and grates of drainage and utility structures up to a maximum of 6 in. (150 mm). They shall be installed and sealed underneath the frames according to the manufacturer’s specifications.

Note 5. Riser rings fabricated from EPP may be used to adjust the frames and grates of drainage and utility structures up to a maximum of 6 in. (150 mm). An adhesive meeting ASTM C 920, Type S, Grade N5, Class 25 shall be used with EPP adjustment rings. The top ring of the adjustment stack shall be a finish ring with grooves on the lower surface and flat upper surface. The joints between all manhole adjustment rings and the frame and cover shall be sealed using the approved adhesive. In lieu of the use of an adhesive, an internal or external mechanical frame-chimney seal may be used for watertight installation. EPP adjustment rings shall not be used with heat shrinkable infiltration barriers.”

Added 9/6/17

Add the following to Section 1043 of the Standard Specifications:

“1043.04 High Density Expanded Polystyrene Adjusting Rings with Polyurea Coating.

High density expanded polystyrene adjustment rings with polyurea coating shall be designed and tested to meet or exceed an HS25 wheel load according to the AASHTO Standard Specifications for Highway Bridges (AASHTO M306 HS-25). The raw material suppliers shall provide certifications of quality or testing using the following ASTM standards, and upon request, certify that only virgin material was used in the manufacturing of the expanded polystyrene rings.

Physical Property	Test Standard	Value	
		3.0 lb/cu ft	4.5 lb/cu ft
Compression Resistance at 10% deformation at 5% deformation at 2% deformation	ASTM D 1621	50 - 70	70 - 90
		45 - 60	60 - 80
		15 - 20	20 - 40
Flexural Strength	ASTM D 790	90 - 120	130 - 200
Water Absorption	ASTM D 570	2.0%	1.7%
Coefficient of Linear Expansion	ASTM D 696	2.70E-06 in./in./°F	2.80E-06 in./in./°F
Sheer Strength	ASTM D 732	55	80
Tensile Strength	ASTM D 1623	70 - 90	130 - 140
Water Vapor Transmission	ASTM C 355	0.82 – 0.86 perm – in.	

High density expanded polystyrene adjustment rings with polyurea coating shall have no void areas, cracks, or tears. The actual diameter or length shall not vary more than 0.125 in. (3 mm) from the specified diameter or length. Variations in height are limited to ± 0.063 in. (± 1.6 mm). Variations shall not exceed 0.25 in. (6 mm) from flat (dish, bow, or convoluting edge) or 0.125 in. (3 mm) for bulges or dips in the surface.

Added 9/6/17

1043.05 Expanded Polypropylene (EPP) Adjusting Rings. The EPP adjusting rings shall be manufactured using a high compression molding process to produce a minimum finished density of 7.5 lb/cu ft (120 g/l). The EPP rings shall be made of materials meeting ASTM D 3575 and ASTM D 4819-13. The grade adjustments shall be designed and tested according to the AASHTO Standard Specifications for Highway Bridges (AASHTO M 306 HS-25).

Grade rings shall contain upper and lower keyways (tongue and groove) for proper vertical alignment and sealing. The top ring, for use directly beneath the cast iron frame, shall have keyways (grooves) on the lower surface with a flat upper surface.

Adhesive or sealant used for watertight installation of the manhole grade adjustment rings shall meet ASTM C 920, Type S, Grade NS, Class 25, Uses NT, T, M, G, A, and O.

EPP adjustment rings shall have no void areas, cracks, or tears. The actual diameter or length shall not vary more than 0.125 in. (3 mm) from the specified diameter or length. Variations in height are limited to ± 0.063 in. (± 1.6 mm). Variations shall not exceed 0.25 in. (6 mm) from flat (dish, bow, or convoluting edge) or 0.125 in. (3 mm) for bulges or dips in the surface.”

TEMPORARY PAVEMENT MARKING (BDE)

Effective: April 1, 2012

Revised: April 1, 2017

Revise Article 703.02 of the Standard Specifications to read:

“**703.02 Materials.** Materials shall be according to the following.

- (a) Pavement Marking Tape, Type I and Type III 1095.06
- (b) Paint Pavement Markings 1095.02
- (c) Pavement Marking Tape, Type IV 1095.11”

Revise the second paragraph of Article 703.05 of the Standard Specifications to read:

“Type I marking tape or paint shall be used at the option of the Contractor, except paint shall not be applied to the final wearing surface unless authorized by the Engineer for late season applications where tape adhesion would be a problem. Type III or Type IV marking tape 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.”

Added 9/6/17

Revise Article 703.07 of the Standard Specifications to read:

“703.07 Basis of Payment. This work will be paid for as follows.

- a) Short Term Pavement Marking. Short term pavement marking will be paid for at the contract unit price per foot (meter) for SHORT TERM PAVEMENT MARKING. Removal of short term pavement markings will be paid for at the contract unit price per square foot (square meter) for SHORT TERM PAVEMENT MARKING REMOVAL.
- b) Temporary Pavement Marking. Where the Contractor has the option of material type, temporary pavement marking will be paid for at the contract unit price per foot (meter) for TEMPORARY PAVEMENT MARKING of the line width specified, and at the contract unit price per square foot (square meter) for TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS.

Where the Department specifies the use of pavement marking tape, the Type III or Type IV temporary pavement marking will be paid for at the contract unit price per foot (meter) for PAVEMENT MARKING TAPE, TYPE III or PAVEMENT MARKING TAPE, TYPE IV of the line width specified and at the contract unit price per square feet (square meter) for PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS or PAVEMENT MARKING TAPE, TYPE IV – LETTERS AND SYMBOLS.

Removal of temporary pavement markings will be paid for at the contract unit price per square foot (square meter) for TEMPORARY PAVEMENT MARKING REMOVAL.

When temporary pavement marking is shown on the Standard, the cost of the temporary pavement marking and its removal will be included in the cost of the Standard.”

Added 9/6/17

Add the following to Section 1095 of the Standard Specifications:

“1095.11 Pavement Marking Tape, Type IV. The temporary, preformed, patterned markings shall consist of a white or yellow tape with wet retroreflective media incorporated to provide immediate and continuing retroreflection during both wet and dry conditions. The tape shall be manufactured without the use of heavy metals including lead chromate pigments or other similar, lead-containing chemicals.

The white and yellow Type IV marking tape shall meet the Type III requirements of Article 1095.06 and the following.

- (a) Composition. The retroreflective pliant polymer pavement markings shall consist of a mixture of high-quality polymeric materials, pigments and glass beads distributed throughout its base cross-sectional area, with a layer of wet retroreflective media bonded to a durable polyurethane topcoat surface. The patterned surface shall have approximately 40% ± 10% of the surface area raised and presenting a near vertical face to traffic from any direction. The channels between the raised areas shall be substantially free of exposed beads or particles.
- (b) Retroreflectance. The white and yellow markings shall meet the following for initial dry and wet retroreflectance.
 - (1) Dry Retroreflectance. Dry retroreflectance shall be measured under dry conditions according to ASTM D 4061 and meet the values described in Article 1095.06 for Type III tape.
 - (2) Wet Retroreflectance. Wet retroreflectance shall be measured under wet conditions according to ASTM E 2177 and meet the values shown in the following table.

Wet Retroreflectance, Initial R_L	
Color	R_L 1.05/88.76
White	300
Yellow	200

Added 9/6/17

- (c) Color. The material shall meet the following requirements for daylight reflectance and color, when tested, using a color spectrophotometer with 45 degrees circumferential/zero degree geometry, illuminant D65, and a two degree observer angle. The color instrument shall measure the visible spectrum from 380 to 720 nm with a wavelength measurement interval and spectral bandpass of 10 nm.

Color	Daylight Reflectance %Y
White	65 minimum
*Yellow	36-59

*Shall match Federal 595 Color No. 33538 and the chromaticity limits as follows.

x	0.490	0.475	0.485	0.530
y	0.470	0.438	0.425	0.456

- (d) Skid Resistance. The surface of the markings shall provide an average minimum skid resistance of 50 BPN when tested according to ASTM E 303.
- (e) Sampling, Testing, Acceptance, and Certification. Prior to approval and use of the wet reflective, temporary, removable pavement marking tape, the manufacturer shall submit a notarized certification from an independent laboratory, together with the results of all tests, stating that the material meets the requirements as set forth herein. The certification test report shall state the lot tested, manufacturer's name, and date of manufacture.

After approval by the Department, samples and certification by the manufacturer shall be submitted for each batch used. The manufacturer shall submit a certification stating that the material meets the requirements as set forth herein and is essentially identical to the material sent for qualification. The certification shall state the lot tested, manufacturer's name, and date of manufacture.

All costs of testing (other than tests conducted by the Department) shall be borne by the manufacturer."

Added 9/6/17