

RFP Submission Date: September 8, 2017

Federal Project No. NHPP-064-3(488) Contract ID Number: C00106692DB93



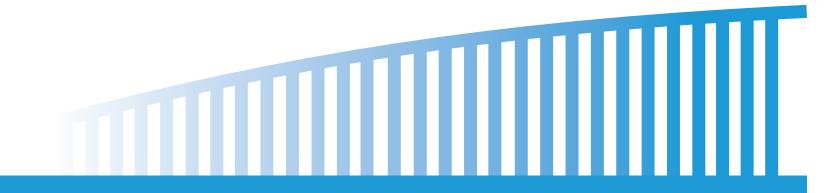
ATTACHMENT 4.0.1.2

DESIGN-BUILD PRICE PROPOSAL CHECKLIST

Project Name: I-64 Southside Widening and High Rise Bridge, Phase 1 Contract ID Number: C00106692DB93

> Contents	of Price Proposal:
)	Cost Breakdown Summary in whole numbers and the Proposal Price, in both numbers and words (Attachment 4.8.1)
[2	Schedule of Items itemized in accordance with Part 1, Section 4.8.2, including material quantities and costs of each proposed work package
>	Proposed Monthly Payment Schedule showing the anticipated schedule on which funds will be required and associated value of work in accordance with Part 1, Section 4.8.3
)	Price Adjustment Information and Forms for Fuel and Asphalt, including identification of pay items and associated quantities eligible for adjustment (Part 3, Section 6.3, Attachments 6.3)
>	Proposal Guaranty (C-24) required by Section 102.07 of Part 5, Division I Amendments to the Standard Specifications
>	Sworn Statement Forms (C-104, C-105, Attachments 4.8.6(a) and 4.8.6(b))
	CD-ROM containing the entire Price Proposal in a single cohesive

Adobe PDF file



4.8.1 - Price Proposal Form

ATTACHMENT 4.8.1

PRICE PROPOSAL FORM

4.8.1 Offeror shall specify the pricing information for the items below, the dollars amount shall be in whole numbers:

Price Proposal Cost Breakdown Summary;

Design Services, LS	\$ 42,000,000.00
Construction Services (exclude QA/QC), LS	\$ <u>351,013,765.00</u>
Quality Assurance (QA) (Construction), LS	\$ <u>6,282,00</u> 0.00
Quality Control (QC) (Construction), LS	<u>\$ 10,3000,000.00</u>

Proposal Price; (Specify the Total Lump Sum price in both numbers and words, this price shall **equal** to the total sum of the items listed above)

Lump Sum (LS): Four hundred and nine million, five hundred

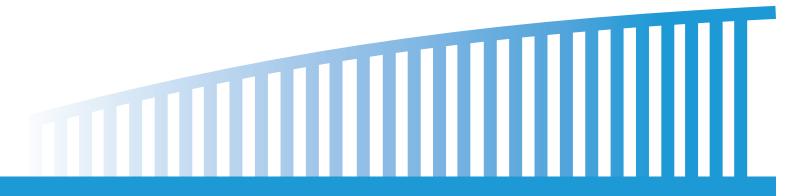
ninety-five thousand seven hundred (\$409,595,765.00)

sixty-five dollars and zero cents

Signature Jugisha Desai Attorney in Fact Date: August 29, 2017

Design-Builder: Granite/Parsons/Corman, a Joint Venture (GPC)

Vendor No.: JV078



4.8.2 - Schedule of Items

Attachment 4.8.2 State Project 0064-131-811 SCHEDULE OF ITEMS (ver. 4-15-2014)

This Schedule of Items shall identify the total material quantities and costs of each proposed pay item, using item codes and units of measure that are consistent with VDOT's list of standard and non-standard item codes. The Schedule of Items shall be used to cost-load the project schedule, which will serve as the basis for progress payments. Any pay items considered for price adjustments shall be identified. The values and quantities shall be clearly supported by the escrowed pricing documents.

Date:

9/8/2017

				Date:	9/8/2017
VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
	DESIGN SERVICES			LS	42,000,000.00
	QA (CONSTRUCTION)			LS	6,282,000.00
	QC (CONSTRUCTION)			LS	10,300,000.00
	MOBILIZATION			LS	20,350,000.00
101	CONSTRUCTION SURVEYING			LS	6,126,320.00
	PROJECT MANAGEMENT			LS	20,000,000.00
	WRECKER SERVICE FIELD OFFICES			LS LS	1,000,000.00
	INSURANCE			LS	4,139,754.55
	BOND			LS	6,605,000.00 2,820,000.00
100110	CLEARING & GRUBBING			ACRE	2,820,000.00 896,000.00
	REGULAR EXCAVATION	F	157,102		2,513,632.00
	GRADING	F	764,086		1,910,215.00
	EMBANKMENT	IF.	128,690		2,187,730.00
	SELECT BACKFILL	l F	38,599		154,396.00
	UNDERCUT EXCAVATION	i i	17,989		287,824.00
	DRY UTILITY RELOCATIONS			LS	778,400.00
	15" JACKED & BORED RCP		155		120,125.00
	24" JACKED & BORED RCP		2,000		1,710,000.00
	30" JACKED & BORED RCP		310		300,700.00
	36" JACKED & BORED RCP		620	77.0	641,700.00
000000000000000000000000000000000000000	42" JACKED & BORED RCP		1,000	11000	1,215,000.00
	48" JACKED & BORED RCP		570		783,750.00
	54" JACKED & BORED RCP		240		498,000.00
	60" JACKED & BORED RCP		218		516,660.00
	15" CONC. PIPE		26,275		2,364,750.00
	18" CONC. PIPE		7,300		693,500.00
	24" CONC. PIPE		8,000		880,000.00
	30" CONC. PIPE		3,300	10.00	561,000.00
	36" CONC. PIPE		1,340		335,000.00
	42" CONC. PIPE		613		208,420.00
101482	48" CONC. PIPE		390		156,000.00
	53" X 34" ELLIPTICAL RCP		84	LF	37,800.00
	60' X 38" ELLIPTICAL RCP		520	LF	260,000.00
100522	DOUBLE 6' X 7' BOX CULVERT		42	LF	252,000.00
106151	15" END SECTION ES-1		77	EA	146,300.00
	18" END SECTION ES-1		5	EA	10,000.00
	24" END SECTION ES-1			EA	60,900.00
106301	30" END SECTION ES-1		9	EA	20,700.00
106361	36" END SECTION ES-1		4	EA	12,000.00
	42" END SECTION ES-1			EA	45,000.00
	48" END SECTION ES-1			EA	30,000.00
	ENDWALL, 18"			EA	2,000.00
	ENDWALL, 24"			EA	6,600.00
	ENDWALL, 42" W/WINGWALLS			EA	18,000.00
	ENDWALL, 48" W/WINGWALLS		2	EA	22,000.00
	ENDWALL, 54" W/WINGWALLS		4	EA	52,000.00
	53" X 34" END SECTION			EA	18,000.00
	ENDWALL, 30" W/WINGWALLS TWIN EW-6			EA	18,000.00
	ENDWALL, 36" TWIN EW-6			EA	38,000.00
	ENDWALL, 42" W/WINGWALLS TWIN EW-7			EA	108,000.00
	ENDWALL, 60" W/WINGWALLS EW-2			EA	34,000.00
	STORMWATER BASIN WEIR WALL			EA	225,000.00
	DROP INLET, DI-2B			EA	500,000.00
	DROP INLET, DI 25			EA	30,000.00
	DROP INLET, DI SEE			EA	219,800.00
	DROP INLET, DI-2EE DROP INLET, DI-2F			EA	16,700.00
	DROP INLET, DI-2F			EA EA	46,500.00
	DROP INLET, DI-2C			EA	495,300.00
110000000000000000000000000000000000000	DROP INLET, DI-3B DROP INLET, DI-3C			EA	102,000.00 10,150.00
	DROP INLET, DI-36			EA	
10/512	DHOF INLET, DITO		/	EM	67,200.00

10928 DROP BLET, D-1010 11 6A 134,0001 10928 DROP BLET, D-1010 11 6A 134,0001 10928 DROP BLET, D-1010 11 6A 134,0001 11 6A 134,0001 10928 DROP BLET, D-110 11 6A 134,0001 10928 DROP BLET, D-110 27 6A 134,0001 10928 DROP BLOT BLOT BLOT BLOT BLOT BLOT BLOT BLOT
108281 DROP N.E.F. D-100.
109882 ORDP N.ET, D.1-10. 150 BA
109982 ORD PILLET, DI-IS
109982 ORD PILLET, DI-IS
1005887 STD. SIDEWALK UNDERDRAIN UD-3
100688 STD, PVMT. EDGEDRAN UD-4
100547 STID. RETROPT EDGEDHAN UD-7
10989S OUTLET FOR BORD DRAIN AT DTICHES
10989S OUTLET FOR BORD DRAIN AT DTICHES
10985/OUTLET FOR EORG DRAIN AT STORM WATER STRUC 398 EA 197,299.0 10985 STO FARM 150 JF 15,500.0 10986 STO ENDWALL PIPE UNDERDRAIN EW-12 142 EA 70,290.0 10985 STO ENDWALL PIPE UNDERDRAIN EW-12 122 EA 71,290.0 10986 STO ENDWALL PIPE UNDERDRAIN EW-12 126 EA 71,290.0 10985 STORE PIPE REMOVALS 360 JF 77,200.0 10986 STO ENDWALL SWITTON PIPE 500 TO ENDWALL PIPE REMOVE FULLY EXCENSIVE OF THE PIPE REMOVE FULLY
127 SLOT DRAIN
109958 STD. ENDWALL PIPE UNDERDRAIN EW-12
1995.56 MANHOLE MH-1 OR 2
199596 MANH-OLE MH-1 OR 2
PIPE REMOVALS 9360 27,000 17,40
PIPE PLUG JABANDON
CLEAN & INSPECT EXISTING PIPE
REMOVE FLUKE
REMOVE FLUME
199148 EROSION CONTROL STONIS CLASS A1 EC-1 F 1,065 TON 1992,2001 110028 ASPN-STAB, OPEN GRADED MATERIAL F 23,652 TON 1,107,722 110080 ASPN-STAB, OPEN GRADED MATERIAL F 23,652 TON 1,107,722 110080 ASPN-STAB, OPEN GRADED MATERIAL F 23,652 TON 1,107,722 110080 ASPN-LAT CONCRETE TY MIN-12 SA F P 19,600 TON 1,301,4001 110041 ASPN-LAT CONCRETE TY MIN-12 SA F P 19,600 TON 1,301,4001 110041 ASPN-LAT CONCRETE TY MIN-12 SO F P 32,611 TON 2,253,4201 110043 ASPN-LAT CONCRETE TY MIN-12 SO F P 58,011 TON 4,963,131 110053 STONE MATRIX ASPN-LAT CONCRETE TY MIN-12 SO F P 50,548 TON 4,963,131 110053 STONE MATRIX ASPN-LAT CONCRETE TY MIN-12 SO F P 50,548 TON 4,963,131 110053 STONE MATRIX ASPN-LAT CONCRETE TY MIN-12 SO F P 50,048 TON 4,963,130 110052 CEMENT TREATED AGGREGATE F 68,099 TON 4,963,130 110062 EXEMPT FACT TREATED AGGREGATE F 77,210 L F 1,690,3800 1,963,12
110082 ASPH-STAB, OPEN GRADED MATERIAL
110128 ASGR. BASE MATE. TY. IND. 218
110608 ASPHALT CONCRETE TY IM-19.0A
110608 ASPHALT CONCRETE TY IM-19.0A
110810 ASPHALT CONCRETE TY IM-19.0A
110649 ASPHALT CONCRETE TY BM-25.00
110655 STONE MATRIX ASPHALT SMA-125 (76-22) F P 50.546 TON 4,995,403 110655 STONE MATRIX ASPHALT SMA-120 (76-22) F P 50.919 TON 4,997,403 110652 GEMENT TREATED AGGREGATE F 68.099 TON 4,862,268 HIGH FRICTION SUPFACE TREATMENT 48.80 SY 1,093,120 ASPHALT CONCRETE CURB MC-4 F 77,210 LF 1,590,899 (1) 110628 FLEXIBLE PAVEMEN PLANING 0'-2' F 301,095 LY 1,093,120 110628 FLEXIBLE PAVEMEN PLANING 0'-2' F 301,095 LY 1,093,120 111416 STD, COMB CURB & GUTTER GC-7 2,750 LF 79,750 C 113416 STD, COMB CURB & GUTTER GG-6 2,000 LF 66,000 C 113409 CG-12 DETECTABLE WARNING SUFFACE 7,579 (2,800 C 113416 STD, COMB CURB & GUTTER GG-6 2,000 LF 66,000 C 113412 MARCHAN MONUMENT (RM-2) 88 EA 25,100 C 113220 HYDR. GEMENT CONC. CLASS AS SIDEWALK 4' 1,200 SY 67,200 C 113320 GUARODRAIL GHANGS! 88 EA 21,906 C 113320 GUARODRAIL GHANGS! 55,784 LF 906,490 C 113288 GUARODRAIL GHANGS! 38 LF 13,830 C 113328 GUARODRAIL HEIGHT TRANSITION GR-MGS4 46 EA 24,518 C 113329 FIXED OBJECT ATTACH. GR-FOA-2 TY.II 57 EA 75,110 C 11346 MEDIAN BARRIERER TO 32,884 LF 1,390,504 C 11346 MEDIAN BARRIERER TO 3,884 LF 1,390,504 C 11346 MEDIAN BARRIER MB-7F 9,524 LF 1,390,504 C 11346 MEDIAN BARRIER MB-7F 2,67,76 LF 1,399,576 LF 1,399,576 LF 11346 MEDIAN BARRIER MB-7F 2,67,76 LF 1,399,576
110655 STONE MATRIX ASPHALT SMA-125 (76-22) F P 50.546 TON 4,993,603.1 110655 STONE MATRIX ASPHALT SMA-120 (76-22) F P 50.919 TON 4,993,603.1 110626 CEMENT TREATED AGGREGATE F 68.099 TON 4,862,268.6 HIGH FRICTION SUPFACE TREATMENT 48.800 SY 1,093,120.1 ASPHALT CONCRETE CURB MC-4 F 77,210 LF 1,969,899.6 110628 FLEXIBLE PAVEMEN PLANING 0'-2' F 301,095 SY 484,762.5 112700 STD. COMB GURB & GUTTER GC-7 2,750 LF 79,750.0 113416 STD. COMB GURB & GUTTER GC-6 2,000 LF 66,000.0 113109 CG-12 DETECTABLE WARNING SUFFACE 75 Y 2,800.0 113109 CG-12 DETECTABLE WARNING SUFFACE 75 Y 2,800.0 113120 HYDR. CEMENT CONC. CLASS AS SIDEWALK 4' 1,200 SY 67,200.0 113320 GUAROPALI, GH-MGS1 88 EA 2,190.6 113320 GUAROPALI, GH-MGS1 55,734 LF 506,490.0 113320 GUAROPALI, GH-MGS2 38 LF 13,18,100.1 113328 GUAROPALI, GH-MGS2 38 LF 13,18,100.1 113328 GUAROPALI, HEIGHT TRANSITION GH-MGS4 46 EA 24,518.0 113329 FIXED OBJECT ATTACH, GR-FOA-2 TY. 37 EA 59,110.0 11346 MEDIAN BARRIER MB-7E 9,524 LF 1,309,504.0 113470 MEDIAN BARRIER MB-7E 9,524 LF 1,309,504.0 11346 MEDIAN BARRIER MB-7E 9,524 LF 1,589,760.0 11346 MEDIAN BARRIER MB-7E 9,534 LF 1,589,760.0 11346 MEDIAN BARRIER MB-7E 9,534 LF 1,589,760.0 11346 MEDIAN BARRIER MB-7E 9,544 LF 1,589,760.0 11346 MEDIAN BARRIER MB-7E 9,544 LF 1,589,760.0 11346 MEDIAN BARRIER MB-7E 9,544 LF 1,
11065S STONE MATRIX ASPHALT SMA-19.0 (76-22)
101028 CEMENT TREATED AGGREGATE
HIGH FRICTION SURFACE TREATMENT
ASPHALT CONCRETE CURB MC-4
ASPHALT CONCRETE CURB MC-4
110628 FLEXBLE PAVEMENT PLANING 0"-2" F 301,095 SY 484,7625 112700 STD. COMB QUIR & GUTTER GC-7 2,750 LF 79,750. 11416 STD. COMB CUIR & GUTTER CG-6 2,000 LF 65,000. 113160 CG-12 DETECTABLE WARNING SURFACE 7 SY 2,800. 113212 RNW MONUMENT (RM-2) 88 EA 28,160.0 113212 RNW MONUMENT (RM-2) 88 EA 28,160.0 113212 RNW MONUMENT (RM-2) 88 EA 28,160.0 113215 GUARDRAIL END ANCHORAGE GR-MGSS 24 EA 21,355.0 113315 GUARDRAIL END ANCHORAGE GR-MGSS 5,5784 LF 906,490.0 113280 GUARDRAIL END ANCHORAGE GR-MGSS 6,5784 LF 906,490.0 113280 GUARDRAIL GR-MGSS 6,5784 LF 906,490.0 113280 GUARDRAIL GR-MGSS 6,5784 LF 906,490.0 113320 GUARDRAIL GR-MGSS 6,5784 LF 906,490.0 113320 GUARDRAIL GR-MGSS 6,5794 LF 1,381.0 113390 RIKED DBJECT ATTACH. GR-FOA-2 TV.II 18 EA 6,3900.1 113400 MEDIAN BARRIER-RD-TC 3,524 LF 2,037,568.0 113470 MEDIAN BARRIER MB-7F 9,524 LF 1,390,504 LF
112700 STD. COMB QUIR & GUTTER GG-6 2,000 F 66,000. 113416 STD. COMB QUIR & GUTTER GG-6 2,000 F 66,000. 113108 CG-12 DETECTABLE WARNING SURFACE 7 SY 2,800.0 1131212 RVW MONUMENT (FM-2) 88 EA 28,1600.0 113220 HYDR. CEMENT CONC. CLASS AS SIDEWALK 4" 1,200 SY 67,200.0 113230 HYDR. CEMENT CONC. CLASS AS SIDEWALK 4" 1,200 SY 67,200.0 113230 GUARDRAIL GRAMGS1 24 EA 21,936.0 113236 GUARDRAIL GRAMGS1 55,784 F 906,690.0 113286 GUARDRAIL GRAMGS1 55,784 F 906,690.0 113286 GUARDRAIL GRAMGS2 38 F 113,810.0 113286 GUARDRAIL GRAMGS1 64 EA 24,518.0 113286 GUARDRAIL GRAMGS1 75,100.0 113286 GUARDRAIL GRAMGS2 75,100
114146 STD. COMB CURB & GUTTER CG-6 2.000 F 66,000 113108 CG-12 DETECTABLE WARNING SURFACE 7 SY 2.800 113212 R/W MONUMENT (RM-2) 88 EA 28,160.0 113212 R/W MONUMENT (RM-2) 88 EA 28,160.0 113212 R/W MONUMENT (RM-2) 88 EA 28,160.0 113216 R/W MONUMENT CONC. CLASS A3 SIDEWALK 4" 1,200 SY 67,200.0 113216 GUARDRAIL END ANCHORAGE GR-MGS3 24 EA 21,936.0 113280 GUARDRAIL GR-MGS3 55,784 LF 906,490.0 113280 GUARDRAIL GR-MGS3 38 LF 113,810.0 113280 GUARDRAIL GR-MGS3 38 LF 113,810.0 113280 GUARDRAIL GR-MGS3 38 LF 113,810.0 113280 GUARDRAIL GR-MGS4 46 EA 24,518.0 113328 GUARDRAIL GR-MGS2 75,110.0 113333 RIXED DOLECT ATTACH, GR-FOA-2 TY.I 37 EA 75,110.0 113409 MEDIAN BARRIER MB-7E 9.524 LF 2.037,563.0 113409 MEDIAN BARRIER MB-7E 9.524 LF 1,395,051.0 113409 MEDIAN BARRIER MB-7F 9.524 LF 1,395,051.0 113409 MEDIAN BARRIER MB-7F 9.524 LF 1,395,976.0 113409 MEDIAN BARRIER-N3 TYPE 1 9.524 LF 3.16,640 113400 MEDIAN BARRIER-N3 TYPE 1 9.5342 LF 3.36,640 113400 MEDIAN BARRIER NS TYPE 1 9.5344 LF 3.46,670.0 REMOVE MEDIAN BARRIER NS TYPE 1 9.5345 LF 3.47,670.0 REMOVE MEDIAN BARRIER NS TYPE 1 9.5345 LF 3.47,670.0 REMOVE MEDIAN BARRIER NS TYPE 1 9.5345 LF 3.47,670.0 REMOVE MEDIAN BARRIER NS TYPE 1 9.546,670.0 113755 SOUND BARRIER WALLS > 15 5.56,723 SF 2.24,689.20.0 113755 SOUND BARRIER WALLS > 15 5.56,723 SF 2.24,689.20.0 113755 SOUND BARRIER WALLS > 15 5.56,723 SF 2.24,689.20.0 113755 SOUND BARRIER WALLS > 15 5.56,723 SF 2.24,689.20.0 113755 SOUND BARRIER WALLS > 15 5.56,723 SF 2.24,689.20.0 124200 TARRIF SER TYL II-17;18 (TL-3,-45 MPH) 5 EA 5.60.0 124200 TARRIF SER TY
113108 CG-12 DETECTABLE WARNING SURFACE 7.5Y 2.800.0 113220 RW MONUMENT (FM2) 8.8 EA 28.150.0 113220 HYDR, CEMENT CONC. CLASS AS SIDEWALK 4" 1,200 SY 67.200.0 113230 GUARDRAIL END ANCHORAGE GR-MGS3 24 EA 21.356.0 113230 GUARDRAIL GR-MGS1 55.784 LF 906.490.0 113230 GUARDRAIL GR-MGS2 38 LF 113.810.0 113230 GUARDRAIL HEIGHT TRANSITION GR-MGS4 46 EA 24.518.0 113392 FIXED DBLECT ATTACH. GR-FOA-2 TY.I 37 EA 75,110.0 113393 FIXED DBLECT ATTACH. GR-FOA-2 TY.I 37 EA 75,110.0 113460 MEDIAN BARRIER-70A-2 TY.I 38.2664 LF 2.037,568.0 113470 MEDIAN BARRIER MB-7F 32.864 LF 2.037,568.0 1134940 MEDIAN BARRIER MB-7F 25,776 LF 1,958,976.0 113495 MEDIAN BARRIER NB-7F 25,776 LF 1,958,976.0 1134940 MEDIAN BARRIER NB-7F 3.442 LF 316,664.0 113495 MEDIAN BARRIER-13 TYPE 1 3.442 LF 316,664.0 113495 MEDIAN BARRIER-13 TYPE 1 1,058 LF 338,207.6 114100 REMOVAL OF SIDEWALK AND ENTRANCE 482 SY 9,158.0 165710 PIER PROTECTION SYSTEM, 54" 5,834 LF 1,487,670.0 REMOVE MEDIAN BARRIER WALLS > 15" 587,223 SF 22,468,920.0 113755 SOUND BARRIER WALLS > 15" 583,245 MPH) 5 EA 1,000.0 DEMO EXISTING SOUND WALLS 20.000 SF 220,000.0 DEMO EXISTING SOUND WALLS 5 5 5 5 5 5 5 11369 SOUND BARRIER WALLS > 15" 5 5 5 5 5 5 11369 FIROTER WALLS ON STRUCTURES 13,365 SF 23,468,920.0 DEMO EXISTING SOUND WALLS 20.000 SF 220,000.0 DEMO EXISTING SOUND WALLS 20.000 SF 220,000.0 DEMO EXISTING SOUND WALLS 5 5 5 5 5 5 5 5 11369 DEMOLTRIC WALLS ON STRUCTURES 5 5 5 5 5 5 5 5 5 122643 FENCE FE-WI 5 5 5 5 5 5 5 5
113108 CG-12 DETECTABLE WARNING SURFACE 7.5Y 2.800.0 113220 RW MONUMENT (FM2) 8.8 EA 28.150.0 113220 HYDR, CEMENT CONC. CLASS AS SIDEWALK 4" 1,200 SY 67.200.0 113230 GUARDRAIL END ANCHORAGE GR-MGS3 24 EA 21.356.0 113230 GUARDRAIL GR-MGS1 55.784 LF 906.490.0 113230 GUARDRAIL GR-MGS2 38 LF 113.810.0 113230 GUARDRAIL HEIGHT TRANSITION GR-MGS4 46 EA 24.518.0 113392 FIXED DBLECT ATTACH. GR-FOA-2 TY.I 37 EA 75,110.0 113393 FIXED DBLECT ATTACH. GR-FOA-2 TY.I 37 EA 75,110.0 113460 MEDIAN BARRIER-70A-2 TY.I 38.2664 LF 2.037,568.0 113470 MEDIAN BARRIER MB-7F 32.864 LF 2.037,568.0 1134940 MEDIAN BARRIER MB-7F 25,776 LF 1,958,976.0 113495 MEDIAN BARRIER NB-7F 25,776 LF 1,958,976.0 1134940 MEDIAN BARRIER NB-7F 3.442 LF 316,664.0 113495 MEDIAN BARRIER-13 TYPE 1 3.442 LF 316,664.0 113495 MEDIAN BARRIER-13 TYPE 1 1,058 LF 338,207.6 114100 REMOVAL OF SIDEWALK AND ENTRANCE 482 SY 9,158.0 165710 PIER PROTECTION SYSTEM, 54" 5,834 LF 1,487,670.0 REMOVE MEDIAN BARRIER WALLS > 15" 587,223 SF 22,468,920.0 113755 SOUND BARRIER WALLS > 15" 583,245 MPH) 5 EA 1,000.0 DEMO EXISTING SOUND WALLS 20.000 SF 220,000.0 DEMO EXISTING SOUND WALLS 5 5 5 5 5 5 5 11369 SOUND BARRIER WALLS > 15" 5 5 5 5 5 5 11369 FIROTER WALLS ON STRUCTURES 13,365 SF 23,468,920.0 DEMO EXISTING SOUND WALLS 20.000 SF 220,000.0 DEMO EXISTING SOUND WALLS 20.000 SF 220,000.0 DEMO EXISTING SOUND WALLS 5 5 5 5 5 5 5 5 11369 DEMOLTRIC WALLS ON STRUCTURES 5 5 5 5 5 5 5 5 5 122643 FENCE FE-WI 5 5 5 5 5 5 5 5
113212 RW MONUMENT (RM-2)
113220 HYDR. CEMENT CONC. CLASS AS SIDEWALK 4" 1,200 SY 67,200.0
113315 GUARDPAIL END ANCHORAGE GR-MGS3 24 EA 21,936.0 113320 GUARDPAIL GR-MGS1 55,764 LF 906,490.3 113288 GUARDPAIL GR-MGS2 38 LF 113,810.0 113288 GUARDPAIL GR-MGS2 38 LF 113,810.0 113288 GUARDPAIL HEIGHT TRANSITION GR-MGS4 46 EA 24,518.0 113392 FIXED DUBLECT ATTACH. GR-FOA-2 TV.I 37 EA 75,110.0 113393 FIXED DUBLECT ATTACH. GR-FOA-2 TV.II 18 EA 6,390.0 113480 MEDIAN BARRIER.7D 32,864 LF 2,037,568.0 113490 MEDIAN BARRIER.7D 32,864 LF 1,390,504.0 113490 MEDIAN BARRIER MB-7E 26,776 LF 1,958,976.0 113495 MEDIAN BARRIER.9A TYPE 1 3,442 LF 316,664.0 113490 MEDIAN BARRIER.9A TYPE 1 1,059 LF 38,320.76 113490 MEDIAN BARRIER.9A TYPE 1 1,059 LF 21,805.00 113755 SOUND BARRIER WALLS >15 56,732 SF 21,489,20.0 113755 SOUND BARRIER WALLS >15 536,723 SF 21,489,20.0 113755 SOUND BARRIER WALLS >15 536,723 SF 21,489,20.0 DEMO EXISTING SOUND WALLS 5 237,107 SF 7,587,424.0 113754 SOUND BARRIER WALLS >15 536,723 SF 21,489,20.0 DEMO EXISTING SOUND WALLS 5 237,107 SF 7,587,424.0 112636 MPACT ATTEN. SER. TY. II-17,18 (TL-3,>45 MPH) 5 EA 11,000.0 11,000 DEMO EXISTING SOUND WALLS 5 20,000 SF 220,000.0 12,2607 GATE ER-CL 2 EA 4,000.0 12,2607 GATE ER-CL 2 EA 5,600.0 12,2607 GATE ER-CL 2 EA 5,600.0
113320 GUARDRAIL GR-MGS1 55,784 LF 996,4902 13386 GUARDRAIL GR-MGS2 38 LF 113,810.01 13386 GUARDRAIL HEIGHT TRANSITION GR-MGS4 46 EA 24,518.01 13392 FIXED OBJECT ATTACH. GR-FOA-2 TY.II 18 EA 6,390.01 113393 FIXED OBJECT ATTACH. GR-FOA-2 TY.II 18 EA 6,390.01 113460 MEDIAN BARRIER FD 32,864 LF 2,037,568.01 113470 MEDIAN BARRIER MB-FE 9,524 LF 1,390,504.01 113462 MEDIAN BARRIER MB-FF 9,524 LF 1,390,504.01 113462 MEDIAN BARRIER MB-FF 9,524 LF 1,395,976.01 113468 MEDIAN BARRIER MB-FF 25,776 LF 1,958,976.01 113468 MEDIAN BARRIER MB-FF 25,776 LF 1,958,976.01 113496 MEDIAN BARRIER MB-FF 1,058,976.01 113496 MEDIAN BARRIER MB-FF 1,058,976.01 113490 MEDIAN BARRIER MB-FF 1,058,976.01 113755 SOUND BARRIER WALLS -15' 5,367,231 5,367,231 5,367,231 113755 SOUND BARRIER WALLS -15' 536,733 57,214,68,920.01 113755 SOUND BARRIER WALLS -15' 536,733 57,244,000 113755 SOUND BARRIER WALLS -15' 237,107 SF 7,557,24.01 113754 SOUND BARRIER WALLS -15' 237,107 SF 7,557,24.01 113754 SOUND BARRIER WALLS -15' 237,107 SF 7,557,24.01 113954 SOUND BARRIER WALLS -15' 237,107 SF 7,557,24.01 113756 SOUND BARRIER WALLS -15' 237,007 SF 238,007 238,007 238,007 238,007 238,007 238,007 238,007 238,007 238,007 238,007 238,007
113320 GUARDRAIL GR-MGS1 55,784 LF 996,4902 113286 GUARDRAIL GR-MGS2 38 LF 113,810.01 113286 GUARDRAIL HEIGHT TRANSITION GR-MGS4 46 EA 24,518.01 113392 FIXED OBJECT ATTACH. GR-FOA-2 TY.II 18 EA 6,390.01 113393 FIXED OBJECT ATTACH. GR-FOA-2 TY.II 18 EA 6,390.01 113496 MEDIAN BARRIER MD-F 32,864 LF 2,037,588.01 113470 MEDIAN BARRIER MD-FE 9,524 LF 1,390,504.01 113462 MEDIAN BARRIER MD-FF 9,524 LF 1,390,504.01 113462 MEDIAN BARRIER MD-FF 9,524 LF 1,390,504.01 113468 MEDIAN BARRIER MD-FF 25,776 LF 1,958,976.01 113498 MEDIAN BARRIER MD-FF 25,776 LF 1,958,976.01 113498 MEDIAN BARRIER-13 TYPE 1 1,058,176 LF 1,347,670.01 113495 MEDIAN BARRIER-13 TYPE 1 1,476,700.01 113495 MEDIAN BARRIER-13 TYPE 1 1,476,700.01 113495 SOUND BARRIER MD-FF 5,834 LF 1,487,670.01 113755 SOUND BARRIER MD-FF 5,834 LF 1,487,670.01 113755 SOUND BARRIER WALLS -15' 536,723 SF 21,468,920.01 113755 SOUND BARRIER WALLS -15' 536,723 SF 21,468,920.01 113755 SOUND BARRIER WALLS -15' 536,723 SF 21,468,920.01 113755 SOUND BARRIER WALLS -15' 536,723 SF 2,146,920.01 113755 SOUND BARRIER WALLS -15' 536,723 SF 2,146,920.01 113756 SOUND BARRIER WALLS -15' S66,734 S76,700.01 SF S76,700.01 SF S76,700.01 SF S76,700.01 SF S76,700.01 SF S76,700.01 SF S76,700.
113286 GUARDRAIL GR-MGS2
113288 GUARDRAIL HEIGHT TRANSITION GR-MGS4 4 E 2 2 518.0 113392 FIXED OBJECT ATTACH. GR-FOA-2 TY. 18 EA 6,3900 113460 MEDIAN BARRIER TO 3 3,864 L 2,037,568.0 113470 MEDIAN BARRIER MB-7E 9,524 L 1,330,504.0 113482 MEDIAN BARRIER MB-7F 9,524 L 1,330,504.0 113483 MEDIAN BARRIER MB-7F 9,524 L 1,330,504.0 113484 MEDIAN BARRIER MB-7F 25,776 L 1,958,976.0 113486 MEDIAN BARRIER ATYPE 1 3,442 L 316,664.0 113489 MEDIAN BARRIER-RA TYPE 1 1,958 75.0 113490 MEDIAN BARRIER-RA TYPE 1 1,058 L 338,207.6 114100 REMOVAL OF SIDEWALK AND ENTRANCE 482 SY 9,158.0 1165710 PIER PROTECTION SYSTEM, 54" 5,834 L 1,487,670.0 REMOVE MEDIAN BARRIER 8,722 L 218,550.0 113755 SOUND BARRIER WALLS <15" 536,723 SF 21,468,920.0 113755 SOUND BARRIER WALLS <15" 536,723 SF 21,468,920.0 113755 SOUND BARRIER WALLS ON STRUCTURES 13,365 SF 1,336,500.0 DEMO EXISTING SOUND WALLS 20,000 SF 220,000.0 122643 FENCE FE-W1 9,843 L 80,220.4 122676 GATE FE-C. 2 EA 4,000.0 124430 DEMOLITION OF PAVEMENT 101,017 SY 999,153.0 124430 DEMOLITION OF PAVEMENT 101,017 SY 999,153.0 124500 REMOVE EXISTING GUARDRAIL 73,708 L 149,627.2 125566 PROGRESS SCHEDULE BASELINE 1 1,500.0 127012 TOPSOIL CLASS A 2" 7 ACRE 56,000.0 127012 TOPSOIL CLASS A 2" 7 ACRE 56,000.0 127012 TOPSOIL CLASS A 2" 7 ACRE 56,000.0 127013 FERRILIZER (15-30-15) 11 TON 24,695.0 127101 TEMPORARY SEED 4,500 SY 258,456.0 127101 TEMPORARY SEED 4,500 SY 258,456.0 127102 REGULAR SEED 4,500 SY 258,456.0 127103 PERRIL
113392 FIXED DBJECT ATTACH. GR-F0A-2 TY.II
113393 FIXED OBJECT ATTACH, GR-FOA-2 TY.
113393 FIXED OBJECT ATTACH, GR-FOA-2 TY.
113460 MEDIAN BARRIER MB-7E 32,864 F 2,037,568.0 113470 MEDIAN BARRIER MB-7F 9,5524 F 1,390,504.0 113462 MEDIAN BARRIER MB-7F 25,776 F 1,958,976.0 113485 MEDIAN BARRIER MB-7F 25,776 F 1,958,976.0 113485 MEDIAN BARRIER-8A TYPE 1 3,442 F 316,664.0 113490 MEDIAN BARRIER-13 TYPE 1 1,058 LF 383,207.6 113490 MEDIAN BARRIER-13 TYPE 1 1,058 LF 383,207.6 114100 REMOVAL OF SIDEWALK AND ENTRANCE 482 SY 9,158.0 165710 PIER PROTECTION SYSTEM, 54" 5,834 LF 1,487,670.0 REMOVE MEDIAN BARRIER 8,722 LF 218,050.0 113755 SOUND BARRIER WALLS <15' 536,723 SF 21,468,920.0 113755 SOUND BARRIER WALLS <15' 536,723 SF 21,468,920.0 113754 SOUND BARRIER WALLS <15' 237,107 SF 7,587,424.0 113754 SOUND BARRIER WALLS <15' 237,107 SF 7,587,424.0 113754 SOUND BARRIER WALLS ON STRUCTURES 13,365 SF 1,336,55 SF 1,336,500.0 DEMO EXISTING SOUND WALLS 20,000 SF 220,000.0 DEMO EXISTING SOUND WALLS 20,000 SF 220,000.0 134680 MAPCT ATTEN. SER. TY. II-17,18 (TL-3,>45 MPH) 5 EA 110,000.0 122643 FENCE FE-W1 9,843 LF 80,220.4 122676 GATE FE-CL 2 EA 4,000.0 13480 CABLE BARRICADE CR-1 2 EA 4,000.0 124290 TRAFFIC BARRIER SERVICE CONC. 56,160 LF 5,054,400.0 124490 DEMOLITION OF PAVEMENT 101,017 SY 90,91,530.0 124490 DEMOLITION OF PAVEMENT 101,017 SY 90,91,530.0 124600 REMOVE EXISTING GUARDRAIL 73,708 LF 149,627.2 125667 PROGRESS SCHEDULE BASELINE 1 LS 300,000.0 127012 TOPSOIL CLASS A 2" 7 ACRE 56,000.0 127100 PERMANENT SEED 7,500 LB 95,625.0 127101 TEMPORARY SEED 7,500
113470 MEDIAN BARRIER MB-7E 9,524 LF 1,390,504.0 113462 MEDIAN BARRIER MB-7F 26,776 LF 1,595,876.0 113465 MEDIAN BARRIER-9A TYPE 1 3,442 LF 316,664.0 113490 MEDIAN BARRIER-13 TYPE 1 1,058 LF 383,207.6 113490 MEDIAN BARRIER-13 TYPE 1 1,058 LF 383,207.6 114100 REMOVAL OF SIDEWALK AND ENTRANCE 482 SY 9,158.0 165710 PIER PROTECTION SYSTEM, 54" 5,834 LF 1,487,670.0 REMOVE MEDIAN BARRIER 8,722 LF 218,050.0 113755 SOUND BARRIER WALLS <15' 536,723 SF 21,468,920.0 113755 SOUND BARRIER WALLS <15' 537,107 SF 7,587,424.0 113754 SOUND BARRIER WALLS ON STRUCTURES 13,365 SF 1,345,950.0 DEMO EXISTING SOUND WALLS 20,000 SF 220,000.0 12863 EPICE FE-W1 9,843 LF 80,220.4 122643 EPICE FE-W1 9,843 LF 80,220.4 122643 FENCE FE-W1 9,843 LF 80,220.4 124490 CABLE BARRIER SERVICE CONC. 56,160 LF 5,054,400.0 124490 TRAFFIC BARRIER SERVICE CONC. 56,160 LF 5,054,400.0 124430 DEMO EXISTING GUARDARAIL 10,1017 SY 909,153.0 124600 REMOVE EXISTING GUARDARAIL 10,1017 SY 909,153.0 124500 REMOVE EXISTING GUARDARAIL 1,100 1,1017 SY 909,153.0 124500 REMOVE EXISTING GUARDARAIL 1,100
113462 MEDIAN BARRIER MB-7F 25,776 LF 1,958,976.0 113465 MEDIAN BARRIER-BA TYPE 1 3.442 LF 316,664.0 113490 MEDIAN BARRIER-BA TYPE 1 1,058 LF 33,820.76 113490 MEDIAN BARRIER-BA TYPE 1 1,058 LF 338,20.76 114100 REMOVAL OF SIDEWALK AND ENTRANCE 482 SY 9,158.0 165710 PIER PROTECTION SYSTEM, 54" 5,834 LF 1,487,670.0 REMOVE MEDIAN BARRIER 8,722 LF 218,050.0 113755 SOUND BARRIER WALLS <15' 536,723 SF 21,468,920.0 113755 SOUND BARRIER WALLS <15' 536,723 SF 21,468,920.0 113754 SOUND BARRIER WALLS >15' 237,107 SF 7,587,424.0 113754 SOUND BARRIER WALLS >15' 13,365,500.0 DEMO EXISTING SOUND WALLS 20,000 SF 220,000.0 DEMO EXISTING SOUND WALLS 20,000 SF 220,000.0 12643 FENCE FE-W1 9,843 LF 80,220.4 122676 GATE FE-CL 2 EA 4,000.0 122643 FENCE FE-W1 9,843 LF 80,220.4 122676 GATE FE-CL 2 EA 4,000.0 124490 TRAFFIC BARRIER SERVICE CONC. 56,160 LF 5,054,400.0 124490 DEMOLITION OF PAVEMENT 10,1017 SY 999,153.0 124502 REMOVE ESITING GUARDARIL T0,1017 SY 999,153.0 124502 REMOVE ESITING GUARDARIL T0,1017 SY 999,153.0 124502 REMOVE ESITING GUARDARIL T0,200,000.000.0 125667 PROGRESS SCHEDULE UPDATES 43 EA 559,000.0 127012 TOPSOIL CLASS A 2" 7,600 EA 5,600.0 127012 TOPSOIL CLASS A 2" 7,600 EA 5,600.0 127012 TOPSOIL CLASS A 2" 7,500 E 5,600.0 127100 PERMANENT SEED 7,500 E 5,600.0 127101 TEMPORARY SEED 430,760 SY 258,456.0 127101 TEMPORARY SEED 4,500 E
113462 MEDIAN BARRIER MB-7F 25,776 LF 1,958,976.0 113485 MEDIAN BARRIER-BA TYPE 1 3.442 LF 316,664.0 113490 MEDIAN BARRIER-13 TYPE 1 1,058 LF 333,207.6 114100 REMOVAL OF SIDEWALK AND ENTRANCE 482 SY 9,158.0 165710 PIER PROTECTION SYSTEM, 54" 5,834 LF 1,487,670.0 REMOVE MEDIAN BARRIER 8,722 LF 218,050.0 113755 SOUND BARRIER WALLS <15' 536,723 SF 22,468,920.0 113755 SOUND BARRIER WALLS <15' 536,723 SF 227,107 SF 7,587,424.0 113754 SOUND BARRIER WALLS >15' 237,107 SF 7,587,424.0 113754 SOUND BARRIER WALLS ON STRUCTURES 13,365 SF 1,336,500.0 DEMO EXISTING SOUND WALLS 20,000 SF 220,000.0 220,000.0 220,000.0 22043 FENCE FE-W1 9,843 LF 80,220.4 122676 GATE FE-CL 2 EA 4,000.0 124490 TRAFFIC BARRIER SERVICE CONC. 56,160 LF 5,054,400.0 114490 CABLE BARRICADE CR-1 2 EA 4,000.0 124490 TRAFFIC BARRIER SERVICE CONC. 56,160 LF 5,054,400.0 124490 DEMOLITION OF PAVEMENT 10,1017 SY 999,153.0 124502 REMOVE ESITING GUARDARIL 79,708 LF 149,627.2 125656 PROGRESS SCHEDULE BASELINE 1 LS 300,000.0 125667 PROGRESS SCHEDULE BASELINE 1 LS 300,000.0 127012 TOPSOIL CLASS A2" 7 ACRE 56,000.0 127010 PERMANENT SEED 7,500 LB 95,623.0 127101 TEMPORARY SEED 430,760 SY 258,456.0 127101 TEMPORARY SEED 7,500 LB 45,600.0 127101 TEMPORARY SEED 7,500 LB 45,600.0 127101 TEMPORARY SEED 188,760 SY 258,456.0 127101 TEMPORARY SEED 148,
113485 MEDIAN BARRIER-8A TYPE 1 3,442 F 316,664.0 113490 MEDIAN BARRIER-13 TYPE 1 1,058 F 383,07.6 113490 REMOVAL OF SIDEWALK AND ENTRANCE 482 SY 9,158.0 165710 PIER PROTECTION SYSTEM, 54" 5,834 F 1,487,670.0 REMOVE MEDIAN BARRIER 8,722 F 218,050.0 113755 SOUND BARRIER WALLS < 15' 536,723 SF 21,468,920.0 113755 SOUND BARRIER WALLS < 15' 237,107 SF 7,587,424.0 113754 SOUND BARRIER WALLS ON STRUCTURES 13,365 SF 21,365,500.0 DEMO EXISTING SOUND WALLS 20,000 SF 2220,000.0 113636 IMPACT ATTEN. SER. TY. II-17;18 (TL-3,>45 MPH) 5 EA 110,000.0 112643 FENCE FE-W1 9,843 LF 80,220.4 122676 GATE FE-CL 2 EA 4,000.0 124290 TRAFFIC BARRIER SERVICE CONC. 56,160 LF 5,554,400.0 115400 MOT 1 LS 9,000,000.0 124430 DEMOLITION OF PAVEMENT 101,017 SY 909,153.0 124502 REMOVE ESITING LIGHT POLE, LUMINAIRE AND FOUNDATION 27 EA 13,500.0 124505 REMOVE ESITING LIGHT POLE, LUMINAIRE AND FOUNDATION 27 EA 13,500.0 124506 REMOVE ESITING LIGHT POLE, LUMINAIRE AND FOUNDATION 27 EA 13,500.0 125567 PROGRESS SCHEDULE BASELINE 1 LS 300,000.0 127101 TEMPORARY SEED 7,500 LB 95,625.0 127102 REGULAR SEED 7,500 LB 95,625.0 127103 OVERSEEDING 44,500 LB 45,000.0 127215 FERTILIZER (15-30-15) 11 TON 24,695.0 127215 FERTILIZER (15-30-15) 148 TON 22,736 EA 547,200.0 TREES 2' DIAMETER 2,736 EA 547,200.0
113490 MEDIAN BARRIER-13 TYPE 1
114100 REMOVAL OF SIDEWALK AND ENTRANCE 488 SY 3,158.0 165710 PIER PROTECTION SYSTEM, 54" 5,834 LF 1,487,670.0 REMOVE MEDIAN BARRIER 8,722 LF 218,050.0 113755 SOUND BARRIER WALLS <15' 536,723 SF 2,468,920.0 113755 SOUND BARRIER WALLS <15' 237,107 SF 7,587,424.0 113755 SOUND BARRIER WALLS ON STRUCTURES 13,365 SF 1,336,500.0 DEMO EXISTING SOUND WALLS 20,000 SF 220,000.0 113636 IMPACT ATTEN, SER, TY, II-17;18 (TL-3,>45 MPH) 5 EA 110,000.0 122643 FENCE FE-W1 9,843 LF 80,220.4 122676 GATE FE-CL 2 EA 4,000.0 113480 CABLE BARRICADE CR-1 2 EA 4,000.0 124290 TRAFFIC BARRIER SERVICE CONC. 56,160 LF 5,054,000.0 124430 DEMOLITION OF PAVEMENT 101,017 SY 909,153.0 124430 DEMOLITION OF PAVEMENT 101,017 SY 909,153.0 124502 REMOVE ESISTING GUARDRAIL 73,708 LF 149,627.2 125565 PROGRESS SCHEDULE BASELINE 1 LS 300,000.0 125567 PROGRESS SCHEDULE BASELINE 1 LS 300,000.0 127101 TEMPORARY SEED 7,500 LB 95,625.0 127101 TEMPORARY SEED 7,500 LB 95,625.0 127101 TEMPORARY SEED 430,760 SY 258,456.0 127101 TEMPORARY SEED 188,760 SY 258,456.0 127101 TEMPORARY SEED 430,760 SY 258,456.0 127101 TEMPORARY SEED 188,760 SY
165710 PIER PROTECTION SYSTEM, 54" 5,834 F 1,487,670.0 REMOVE MEDIAN BARRIER 8,722 F 218,050.0 113755 SOUND BARRIER WALLS <15' 536,723 SF 21,468,920.0 113755 SOUND BARRIER WALLS <15' 227,107 SF 7,587,424.0 113754 SOUND BARRIER WALLS ON STRUCTURES 13,365 SF 1,336,500.0 DEMO EXISTING SOUND WALLS 20,000 SF 220,000.0 13636 IMPACT ATTEN. SER. TY. II-17;18 (TL-3,>45 MPH) 5 EA 110,000.0 122643 FENCE FE-W1 9,843 LF 80,220.4 122676 GATE FE-CL 2 EA 4,000.0 124490 TRAFFIC BARRIER SERVICE CONC. 56,160 LF 5,054,400.0 124430 DEMOLITION OF PAVEMENT 115,000.0 124430 DEMOLITION OF PAVEMENT 101,017 SY 909,153.0 124502 REMOVE ESITING LIGHT POLE, LUMINAIRE AND FOUNDATION 27 EA 13,500.0 124600 REMOVE EXISTING GUARDARIL 73,708 LF 149,627.2 125565 PROGRESS SCHEDULE BASELINE 1 LS 300,000.0 127102 TOPSOIL CLASS A 2" 7 ACRE 50,000.0 127103 OVERSEEDING 430,760 SY 258,456.0 127104 REMOVERSEED 188,760 SY 75,504.0 127105 LIME 149,6025.0 127106 REMONENT SEED 188,760 SY 75,504.0 127107 REGULAR SEED 188,760 SY 75,504.0 127108 REMOVERSEED 188,760 SY 75,504.0 127109 REMONENT SEED 188,760 SY 75,504.0 127101 TOPSOIL CLASS A 2" 7,600 LB 45,000.0 127102 REGULAR SEED 188,760 SY 75,504.0 127103 OVERSEEDING 4,500 LB 45,000.0 127215 FERTILIZER (15-30-15) 11 TON 24,695.0 127104 TREES 2" DIAMETER 2,736 EA 547,200.0
165710 PIER PROTECTION SYSTEM, 54" 5,834 F 1,487,670.0 REMOVE MEDIAN BARRIER 8,722 F 218,050.0 113755 SOUND BARRIER WALLS <15' 536,723 SF 21,468,920.0 113755 SOUND BARRIER WALLS <15' 227,107 SF 7,587,424.0 113754 SOUND BARRIER WALLS ON STRUCTURES 13,365 SF 1,336,500.0 DEMO EXISTING SOUND WALLS 20,000 SF 220,000.0 13636 IMPACT ATTEN. SER. TY. II-17;18 (TL-3,>45 MPH) 5 EA 110,000.0 122643 FENCE FE-W1 9,843 LF 80,220.4 122676 GATE FE-CL 2 EA 4,000.0 124490 TRAFFIC BARRIER SERVICE CONC. 56,160 LF 5,054,400.0 124430 DEMOLITION OF PAVEMENT 115,000.0 124430 DEMOLITION OF PAVEMENT 101,017 SY 909,153.0 124502 REMOVE ESITING LIGHT POLE, LUMINAIRE AND FOUNDATION 27 EA 13,500.0 124600 REMOVE EXISTING GUARDARIL 73,708 LF 149,627.2 125565 PROGRESS SCHEDULE BASELINE 1 LS 300,000.0 127102 TOPSOIL CLASS A 2" 7 ACRE 50,000.0 127103 OVERSEEDING 430,760 SY 258,456.0 127104 REMOVERSEED 188,760 SY 75,504.0 127105 LIME 149,6025.0 127106 REMONENT SEED 188,760 SY 75,504.0 127107 REGULAR SEED 188,760 SY 75,504.0 127108 REMOVERSEED 188,760 SY 75,504.0 127109 REMONENT SEED 188,760 SY 75,504.0 127101 TOPSOIL CLASS A 2" 7,600 LB 45,000.0 127102 REGULAR SEED 188,760 SY 75,504.0 127103 OVERSEEDING 4,500 LB 45,000.0 127215 FERTILIZER (15-30-15) 11 TON 24,695.0 127104 TREES 2" DIAMETER 2,736 EA 547,200.0
REMOVE MEDIAN BARRIER 8,722 LF 218,050.0 113755 SOUND BARRIER WALLS <15' 536,723 SF 21,468,920.0 113755 SOUND BARRIER WALLS <15' 2237,107 SF 7,587,424.0 113754 SOUND BARRIER WALLS ON STRUCTURES 13,365 SF 1,336,500.0 DEMO EXISTING SOUND WALLS 20,000 SF 220,000 SF 220,000 SF 220,000.0 SF 220
113755 SOUND BARRIER WALLS <15' 536,723 SF 21,468,920.0 113755 SOUND BARRIER WALLS >15' 237,107 SF 7,587,424.0 113754 SOUND BARRIER WALLS ON STRUCTURES 13,365 SF 1,336,500.0 DEMO EXISTING SOUND WALLS 20,000 SF 220,000 SF 220,000
113755 SOUND BARRIER WALLS >15' 237,107 SF 7,587,424.0 113754 SOUND BARRIER WALLS ON STRUCTURES 13,365,000.0 DEMO EXISTING SOUND WALLS 20,000 SF 220,000.0 113636 IMPACT ATTEN. SER. TY. II-17;18 (TL-3,>45 MPH) 5 EA 110,000.0 122643 FENCE FE-W1 9,843 LF 80,220.4 122676 GATE FE-CL 2 EA 4,000.0 113480 CABLE BARRICADE CR-1 2 EA 5,600.0 113480 CABLE BARRIER SERVICE CONC. 56,160 LF 5,054,400.0 115400 MOT 1 LS 9,000,000.0 124430 DEMOLITION OF PAVEMENT 101,017 SY 909,153.0 124502 REMOVE EXISTING GUARDRAIL 73,708 LF 149,627.2 125565 PROGRESS SCHEDULE BASELINE 1 LS 300,000.0 125567 PROGRESS SCHEDULE BASELINE 1 LS 300,000.0 127012 TOPSOIL CLASS A 2" 7 ACRE 56,000.0 1271010 PERMANENT SEED 7,500 LB 95,625.0 1271010 PERMANENT SEED 430,760 SY 258,456.0 127102 REGULAR SEED 188,760 SY 258,456.0 127103 OVERSEEDING 4,500 LB 45,000.0 127215 FERTILIZER (15-30-15) 11 TON 24,695.0 127225 LIME 74,760 LB 47,000.0 TREES 2" DIAMETER 2,736 EA 547,200.0
113755 SOUND BARRIER WALLS >15' 237,107 SF 7,587,424.0 113754 SOUND BARRIER WALLS ON STRUCTURES 13,365,000.0 DEMO EXISTING SOUND WALLS 20,000 SF 220,000.0 113636 IMPACT ATTEN. SER. TY. II-17;18 (TL-3,>45 MPH) 5 EA 110,000.0 122643 FENCE FE-W1 9,843 LF 80,220.4 122676 GATE FE-CL 2 EA 4,000.0 113480 CABLE BARRICADE CR-1 2 EA 5,600.0 1124290 TRAFFIC BARRIER SERVICE CONC. 56,160 LF 5,054,400.0 115400 MOT 1 LS 9,000,000.0 124430 DEMOLITION OF PAVEMENT 101,017 SY 909,153.0 124502 REMOVE EXISTING GUARDRAIL 73,708 LF 149,627.2 125565 PROGRESS SCHEDULE BASELINE 1 LS 300,000.0 125567 PROGRESS SCHEDULE BASELINE 1 LS 300,000.0 127012 TOPSOIL CLASS A 2" 7 ACRE 56,000.0 127101 TEMPORARY SEED 7,500 LB 95,625.0 127101 TEMPORARY SEED 430,760 SY 258,456.0 127102 REGULAR SEED 188,760 SY 258,456.0 127103 OVERSEDING 4,500 LB 45,000.0 127215 FERTILIZER (15-30-15) 11 TON 24,695.0 127250 LIME 74,760 LB 70,700.0 127250 LIME 7,760 LB 7,500 LB 7,500 127250 LIME 7,500 LB 7,500 LB 7,500 127250 LIME 7,500 LB 7,500 LB 7,500 127250 LIME 7,500 LB 7,500 LB 7,500 127250 LIME 148 TON 28,712.0 127250 LIME 148 TON 28,712.0 127250 LIME 148 TON 28,712.0 127250 LIME 7,7500 LB 7,7500 LB 7,7500 127250 LIME 7,7500 LB 7,7500 LB 7,500 LB 7,500 LB 7,500 LB 7,500 LB 1,500
113754 SOUND BARRIER WALLS ON STRUCTURES 13,365 SF 1,336,500.0
DEMO EXISTING SOUND WALLS 20,000 SF 220,000.0 113636 IMPACT ATTEN. SER. TY. II-17;18 (TL-3,>45 MPH) 5 EA 110,000.0 122643 FENCE FE-W1 9,843 LF 80,220.4 122676 GATE FE-CL 2 EA 4,000.0 113480 CABLE BARRICADE CR-1 2 EA 5,600.0 124290 TRAFFIC BARRIER SERVICE CONC. 56,160 LF 5,054,400.0 115400 MOT 1 LS 9,000,000.0 124430 DEMOLITION OF PAVEMENT 101,017 SY 999,153.0 124430 DEMOLITION OF PAVEMENT 101,017 SY 999,153.0 124502 REMOVE ESITING LIGHT POLE, LUMINAIRE AND FOUNDATION 27 EA 13,500.0 125565 PROGRESS SCHEDULE BASELINE 1 LS 300,000.0 125567 PROGRESS SCHEDULE UPDATES 43 EA 559,000.0 127101 TOPSOIL CLASS A 2" 7 ACRE 56,000.0 127101 TEMPORARY SEED 7,500 LB 95,625.0 127101 TEMPORARY SEED 188,760 SY 75,504.0 127102 REGULAR SEED 188,760 SY 75,504.0 127103 OVERSEEDING 4,500 LB 45,000.0 127215 ERTILIZER (15-30-15) 11 TON 24,695.0 127250 LIME 148 TON 28,712.0 TREES 2" DIAMETER 547,200.0
113636 IMPACT ATTEN. SER. TY. II-17;18 (TL-3,>45 MPH) 5 EA 110,000.00 122643 FENCE FE-W1 9,843 LF 80,220.4 122676 GATE FE-CL 2 EA 4,000.00 132680 CABLE BARRICADE CR-1 2 EA 5,600.00 113480 CABLE BARRIER SERVICE CONC. 56,160 LF 5,054,400.00 114290 TRAFFIC BARRIER SERVICE CONC. 56,160 LF 5,054,400.00 124430 DEMOLITION OF PAVEMENT 101,017 SY 909,153.00 124430 DEMOVE ESITING LIGHT POLE, LUMINAIRE AND FOUNDATION 27 EA 13,500.00 124600 REMOVE EXISTING GUARDRAIL 73,708 LF 149,627.2 125565 PROGRESS SCHEDULE BASELINE 1 LS 300,000.00 127012 TOPSOIL CLASS A 2" 7 ACRE 56,000.00 127100 PERMANENT SEED 7,500 LB 95,625.00 127101 TEMPORARY SEED 7,500 LB 95,625.00 127102 REGULAR SEED 188,760 SY 258,456.00 127103 OVERSEEDING 4,500 LB 45,000.00 127215 FERTILIZER (15-30-15) 111 TON 24,695.00 127250 LIME 148 TON 28,712.00 TREES 2" DIAMETER 547,200.00
122643 FENCE FE-W1
122676 GATE FE-CL
122676 GATE FE-CL
113480 CABLE BARRICADE CR-1 2 EA 5,600.0 124290 TRAFFIC BARRIER SERVICE CONC. 56,160 LF 5,054,400.0 115400 MOT
124290 TRAFFIC BARRIER SERVICE CONC. 56,160 LF 5,054,400.0 115400 MOT 1 LS 9,000,000.0 124430 DEMOLITION OF PAVEMENT 101,017 SY 909,153.0 124502 REMOVE ESITING LIGHT POLE, LUMINAIRE AND FOUNDATION 27 EA 13,500.0 124600 REMOVE EXISTING GUARDRAIL 73,708 LF 149,627.2 125565 PROGRESS SCHEDULE BASELINE 1 LS 300,000.0 125567 PROGRESS SCHEDULE UPDATES 43 EA 559,000.0 127012 TOPSOIL CLASS A 2" 7 ACRE 56,000.0 127101 TOPSOIL CLASS A 2" 7,500 LB 95,625.0 127101 TEMPORARY SEED 430,760 SY 258,456.0 127102 REGULAR SEED 188,760 SY 75,504.0 127103 OVERSEEDING 4,500 LB 45,000.0 127215 FERTILIZER (15-30-15) 11 TON 24,695.0 127250 LIME 148 TON 28,712.0 TREES 2" DIAMETER 2,736 EA 547,200.0
115400 MOT 1 LS 9,000,000.0 124430 DEMOLITION OF PAVEMENT 101,017 SY 909,153.0 124502 REMOVE ESITING LIGHT POLE, LUMINAIRE AND FOUNDATION 27 EA 13,500.0 124600 REMOVE EXISTING GUARDRAIL 73,708 LF 149,627.2 125565 PROGRESS SCHEDULE BASELINE 1 LS 300,000.0 125567 PROGRESS SCHEDULE UPDATES 43 EA 559,000.0 127012 TOPSOIL CLASS A 2" 7 ACRE 56,000.0 127100 PERMANENT SEED 7,500 LB 95,625.0 127101 TEMPORARY SEED 430,760 SY 258,456.0 127102 REGULAR SEED 188,760 SY 75,504.0 127103 OVERSEEDING 4,500 LB 45,000 LB 127215 FERTILIZER (15-30-15) 11 TON 24,695.0 127250 LIME 148 TON 28,712.0 TREES 2" DIAMETER 2,736 EA 547,200.0
115400 MOT 1 LS 9,000,000.0 124430 DEMOLITION OF PAVEMENT 101,017 SY 909,153.0 124502 REMOVE ESITING LIGHT POLE, LUMINAIRE AND FOUNDATION 27 EA 13,500.0 124600 REMOVE EXISTING GUARDRAIL 73,708 LF 149,627.2 125565 PROGRESS SCHEDULE BASELINE 1 LS 300,000.0 125567 PROGRESS SCHEDULE UPDATES 43 EA 559,000.0 127012 TOPSOIL CLASS A 2" 7 ACRE 56,000.0 127100 PERMANENT SEED 7,500 LB 95,625.0 127101 TEMPORARY SEED 430,760 SY 258,456.0 127102 REGULAR SEED 188,760 SY 75,504.0 127103 OVERSEEDING 4,500 LB 45,000 LB 127215 FERTILIZER (15-30-15) 11 TON 24,695.0 127250 LIME 148 TON 28,712.0 TREES 2" DIAMETER 2,736 EA 547,200.0
124430 DEMOLITION OF PAVEMENT 101,017 SY 909,153.0 124502 REMOVE ESITING LIGHT POLE, LUMINAIRE AND FOUNDATION 27 EA 13,500.0 124600 REMOVE EXISTING GUARDRAIL 73,708 LF 149,627.2 125565 PROGRESS SCHEDULE BASELINE 1 LS 300,000.0 125567 PROGRESS SCHEDULE UPDATES 43 EA 559,000.0 127012 TOPSOIL CLASS A 2" 7 ACRE 56,000.0 127100 PERMANENT SEED 7,500 LB 95,625.0 127101 TEMPORARY SEED 430,760 SY 258,456.0 127102 REGULAR SEED 188,760 SY 75,504.0 127103 OVERSEEDING 4,500 LB 45,000.0 127215 FERTILIZER (15-30-15) 11 TON 24,695.0 127250 LIME 148 TON 28,712.0 TREES 2" DIAMETER 2,736 EA 547,200.0
124502 REMOVE ESITING LIGHT POLE, LUMINAIRE AND FOUNDATION 27 EA 13,500.0 124600 REMOVE EXISTING GUARDRAIL 73,708 LF 149,627.2 125565 PROGRESS SCHEDULE BASELINE 1 LS 300,000.0 125567 PROGRESS SCHEDULE UPDATES 43 EA 559,000.0 127012 TOPSOIL CLASS A 2" 7 ACRE 56,000.0 127100 PERMANENT SEED 7,500 LB 95,625.0 127101 TEMPORARY SEED 430,760 SY 258,456.0 127102 REGULAR SEED 188,760 SY 75,504.0 127103 OVERSEEDING 4,500 LB 45,000.0 127215 FERTILIZER (15-30-15) 11 TON 24,695.0 127250 LIME 148 TON 28,712.0 TREES 2" DIAMETER 2,736 EA 547,200.0
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125565 PROGRESS SCHEDULE BASELINE 1 LS 300,000.0 125567 PROGRESS SCHEDULE UPDATES 43 EA 559,000.0 127012 TOPSOIL CLASS A 2" 7 ACRE 56,000.0 127100 PERMANENT SEED 7,500 LB 95,625.0 127101 TEMPORARY SEED 430,760 SY 258,456.0 127102 REGULAR SEED 188,760 SY 75,504.0 127103 OVERSEEDING 4,500 LB 45,000.0 127215 FERTILIZER (15-30-15) 11 TON 24,695.0 127250 LIME 148 TON 28,712.0 TREES 2" DIAMETER 2,736 EA 547,200.0
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125567 PROGRESS SCHEDULE UPDATES 43 EA 559,000.0 127012 TOPSOIL CLASS A 2" 7 ACRE 56,000.0 127100 PERMANENT SEED 7,500 LB 95,625.0 127101 TEMPORARY SEED 430,760 SY 258,456.0 127102 REGULAR SEED 188,760 SY 75,504.0 127103 OVERSEEDING 4,500 LB 45,000.0 127215 FERTILIZER (15-30-15) 11 TON 24,695.0 127250 LIME 148 TON 28,712.0 TREES 2" DIAMETER 2,736 EA 547,200.0
127012 TOPSOIL CLASS A 2" 7 ACRE 55,000.0 127100 PERMANENT SEED 7,500 LB 95,625.0 127101 TEMPORARY SEED 430,760 SY 258,456.0 127102 REGULAR SEED 188,760 SY 75,504.0 127103 OVERSEEDING 4,500 LB 45,000.0 127215 FERTILIZER (15-30-15) 11 TON 24,695.0 127250 LIME 148 TON 28,712.0 TREES 2" DIAMETER 2,736 EA 547,200.0
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127101 TEMPORARY SEED 430,760 SY 258,456.0 127102 REGULAR SEED 188,760 SY 75,504.0 127103 OVERSEEDING 4,500 LB 45,000.0 127215 FERTILIZER (15-30-15) 11 TON 24,695.0 127250 LIME 148 TON 28,712.0 TREES 2" DIAMETER 2,736 EA 547,200.0
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127102 REGULAR SEED 188,760 SY 75,504.0 127103 OVERSEEDING 4,500 LB 45,000.0 127215 FERTILIZER (15-30-15) 11 TON 24,695.0 127250 LIME 148 TON 28,712.0 TREES 2" DIAMETER 2,736 EA 547,200.0
127103 OVERSEEDING 4,500 LB 45,000.0 127215 FERTILIZER (15-30-15) 11 TON 24,695.0 127250 LIME 148 TON 28,712.0 TREES 2" DIAMETER 2,736 EA 547,200.0
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127250 LIME 148 TON 28,712.0 TREES 2" DIAMETER 2,736 EA 547,200.0
127250 LIME 148 TON 28,712.0 TREES 2" DIAMETER 2,736 EA 547,200.0
TREES 2" DIAMETER 2,736 EA 547,200.0
ITREE / SHRUB MIX 3.485 FA 487 900 0
EROSION CONTROL 1 LS 3,000,000.0
150108 SIGN PANEL 4,708 SF 91,335.2
U-TYPE ROLLED RAIL STEEL (MILE POST MARKER) 231 LF 3,072.3

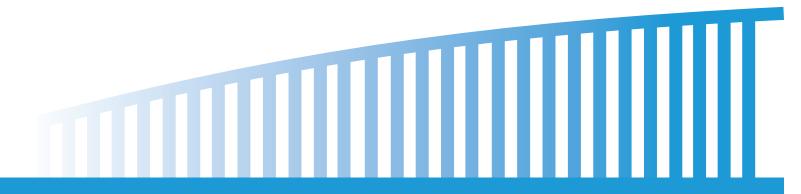
	I			
150430	SIGN POST STP-1, 2", 14 GAUGE	273	LF	3,344.25
150436	SIGN POST STP-1, 2 1/2", 12 GAUGE	208	I.F.	3,432.00
	SIGN POST STP-1, 2 1/2", 10 GAUGE		LF	
				916.50
150402	VA SIGN POST, S3 X 5.7	221	LF	19,006.00
150404	VA SIGN POST, W4X13	210	LF	16,380.00
	VA SIGN POST, W6X12	378		19,656.00
150500	CONC FOUND SSP-VA 1' DIA X 3' DEPTH	18	EA	13,500.00
	CONC FOUND SSP-VA 1'9" DIA X 4'6" DEPTH		EA	12,782.00
130302				
	OH SIGN STRUCTURE	21	EA	2,892,855.00
	CANTILEVER SIGN STRUCTURE	7	EA	361,445.00
	TOLL GANTRY STRUCTURE	2	EA	140,400.00
150485	CONCRETE FOUNDATION STP-1, TYPE A	43	EA	20,640.00
	CONC FOUND SSP-VA 2'6" DIA X 7' DEPTH		EA	
				57,877.00
150575	CONC. FOUND. O/H SIGN STRUCTURE	1,571	CY	1,651,121.00
150600	REMOVE SIGNS-SINGLE POLE	94	EA	110,262.00
150600	REMOVE SIGNS-OVERHEAD	11	EA	136,950.00
150600	REMOVE SIGNS-CANTILEVER	2	EA	12,470.00
	ELECTRICAL SERVICE SE-5		EA	4,377.00
151184	TRAFFIC SIGNAL HEAD SECTION 12" LED	9	EA	89,460.00
151210	PEDESTAL POLE PF-2 10'		EA	5,676.00
151198	PEDESTRIAN ACTUATION PA-2	3	EA	807.00
151240	CONCRETE FOUNDATION PF-2	2	EA	3,900.00
	CONCRETE FOUNDATION SIGNAL POLE PF-8		CY	41,370.00
151247	CONCRETE FOUNDATION CF-3	18	EA	90,000.00
	CONCRETE FOUNDATION CF-4		EA	3,590.00
151475	SIGNAL POLE MP-3, TYPE E	2	EA	42,250.00
	MAST ARM 30'		EA	4,530.00
151486	MAST ARM 40'	1 1	EA	5,315.00
151488	MAST ARM 60'	1	EA	8,120.00
151507	VIDEO DETECTION CAMERA	3	EA	35,208.00
151830	HANGER ASSEMBLY SM-3, ONE WAY	6	EA	2,154.00
151832	HANGER ASSEMBLY SMB-1, ONE WAY	3	EA	579.00
	HANGER ASSEMBLY SMD-2	1	EA	490.00
151000				
	REMOVE EXISTING POLE		EA	29,272.00
151934	REMOVE EXISTING FOUNDATION	2	EA	200.00
	REMOVE EXISTING SIGNAL HEAD		EA	
				300.00
152000	TRAFFIC SIGNALIZATION-TEMPORARY	1	EA	38,385.00
152403	PEDESTRIAN SIGNAL HEAD SP-8	3	EA	3,147.00
			II.E	
1540/5	TYPE B CLASS VI PVMT LINE MRKG 4"	3,475		7,158.50
154076	TYPE B CLASS VI PVMT LINE MRKG 6"	475,052	LF	1,591,424.20
154076 154077	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8"		LF	
154076 154077	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8"	475,052 6,800	LF LF	1,591,424.20 28,560.00
154076 154077 154059	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12"	475,052 6,800 13	LF LF LF	1,591,424.20 28,560.00 91.00
154076 154077 154059	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC	475,052 6,800 13 5,600	LF LF LF EA	1,591,424.20 28,560.00 91.00 151,200.00
154076 154077 154059	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12"	475,052 6,800 13	LF LF LF EA	1,591,424.20 28,560.00 91.00
154076 154077 154059 154217	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER	475,052 6,800 13 5,600 6,581	LF LF EA EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00
154076 154077 154059 154217	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A	475,052 6,800 13 5,600 6,581	LF LF EA EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00
154076 154077 154059 154217	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER	475,052 6,800 13 5,600 6,581	LF LF EA EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00
154076 154077 154059 154217 154612 154260	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A	475,052 6,800 13 5,600 6,581 55	LF LF EA EA EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00
154076 154077 154059 154217 154612 154260 155020	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE	475,052 6,800 13 5,600 6,581 55 13 32,062	LF LF EA EA EA EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60
154076 154077 154059 154217 154612 154260 155020 155126	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688	LF LF EA EA EA EA LF	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16
154076 154077 154059 154217 154612 154260 155020 155126	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE	475,052 6,800 13 5,600 6,581 55 13 32,062	LF LF EA EA EA EA LF	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60
154076 154077 154059 154217 154612 154260 155020 155126 155140	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688	LF LF EA EA EA LF LF	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00
154076 154077 154059 154217 154612 154260 155020 155126 155140 155190	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187	LF LF EA EA EA LF LF EA EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00
154076 154077 154059 154217 154612 154260 155020 155126 155140 155190	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76	LF LF EA EA EA LF LF EA EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00
154076 154077 154059 154217 154612 154260 155020 155126 155140 155190	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76	LF LF EA EA EA LF LF EA EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00
154076 154077 154059 154217 154612 154260 155020 155126 155140 155190	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL)	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2	LF LF EA EA EA LF LF EA EA EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00
154076 154077 154059 154217 154612 154260 155020 155126 155140 155190 155502	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL)	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2	LF LF EA EA EA LF LF EA EA EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00 31,740.00
154076 154077 154059 154217 154612 154260 155020 155126 155140 155190 155502	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL)	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2 97	LF LF EA EA EA LF LF EA EA EA EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00
154076 154077 154059 154217 154612 154260 155020 155126 155140 155190 155502	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2 97	LF LF EA EA EA LF LF EA EA EA EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00 31,740.00 3,784.00
154076 154077 154059 154217 154612 154260 155020 155126 155140 155502 155502	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2 2 97 23	LF LF EA EA EA LF LF EA EA EA EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 217,360.00 108,446.00 31,740.00 3,784.00 6,680.00
154076 154077 154059 154217 154260 155020 155126 155140 155502 155587 155587	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2 JUNCTION BOX JB-S3	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2 97 23 24	LF LF EA EA EA EA LF LF EA EA EA EA EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00 31,740.00 3,784.00
154076 154077 154059 154217 154260 155020 155126 155140 155502 155587 155587	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2 JUNCTION BOX JB-S3	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2 97 23 24	LF LF EA EA EA EA LF LF EA EA EA EA EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00
154076 154077 154059 154217 154260 155020 155126 155140 155502 155587 155587 155588 156014	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2 JUNCTION BOX JB-S3 ELECT. SER. GRD. ELECTRODE (10')	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2 97 23 2 4	LF LF EA EA EA LF LF EA EA EA EA EA EA EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00
154076 154077 154059 154217 154260 155020 155126 155140 155502 155587 155587 155588 156014 156032	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2 JUNCTION BOX JB-S3 ELECT. SER. GRD. ELECTRODE (10') 2" PVC CONDUIT	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2 97 23 2 4	LF LF EA EA EA LF LF EA EA EA EA EA EA EA EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,736.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00 159.00 414.00
154076 154077 154059 154217 154260 155020 155126 155140 155502 155587 155587 155588 156014 156032	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2 JUNCTION BOX JB-S3 ELECT. SER. GRD. ELECTRODE (10')	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2 97 23 2 4	LF LF EA EA EA LF LF EA EA EA EA EA EA EA EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00
154076 154077 154059 154217 154260 155020 155126 155140 155502 155587 155587 155588 156014 156032	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2 JUNCTION BOX JB-S3 ELECT. SER. GRD. ELECTRODE (10') 2" PVC CONDUIT 3" PVC CONDUIT	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2 97 23 23 4 1	LF LF EA EA EA LF EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00 159.00 414.00 1,173.00
154076 154077 154059 154217 154260 155020 155126 155140 155502 155587 155587 155588 156014 156032 156036	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2 JUNCTION BOX JB-S3 ELECT. SER. GRD. ELECTRODE (10') 2" PVC CONDUIT 4" PVC CONDUIT	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2 97 23 24 11 1 1 200 340	LF LF EA EA EA LF EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00 159.00 414.00 1,173.00 67.50
154076 154077 154059 154217 154260 155020 155126 155140 155502 155587 155587 155588 156014 156032 156036	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2 JUNCTION BOX JB-S3 ELECT. SER. GRD. ELECTRODE (10') 2" PVC CONDUIT 3" PVC CONDUIT	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2 97 23 23 4 1	LF LF EA EA EA LF EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00 159.00 414.00 1,173.00
154076 154077 154059 154217 154260 155020 155126 155140 155502 155587 155587 155588 156014 156032 156036	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2 JUNCTION BOX JB-S3 ELECT. SER. GRD. ELECTRODE (10') 2" PVC CONDUIT 4" PVC CONDUIT 50 PVC CONDUIT 50 BORED CONDUIT 4"	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2 97 23 2 4 11 1 200 340 155	LF LF EA EA EA LF EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00 159.00 414.00 1,173.00 67.50 6,000.00
154076 154077 154059 154217 154612 154260 155020 155126 155140 155190 155587 155587 155588 156014 156032 156036 156040 156052	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2 JUNCTION BOX JB-S3 ELECT. SER. GRD. ELECTRODE (10') 2" PVC CONDUIT 3" PVC CONDUIT 4" PVC CONDUIT BORED CONDUIT 4" TRENCH EXCAVATION ECI-1	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2 97 23 23 4 11 1 1 200 3440 155	LF LF EA EA EA LF LF EA EA EA EA EA EA EA EA EA EA EA EA EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00 159.00 414.00 1,173.00 67.50 6,000.00 13,320.00
154076 154077 154077 154059 154217 154260 155020 155126 155140 155190 155587 155587 155588 156014 156032 156036 156040 156052 156200	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2 JUNCTION BOX JB-S3 ELECT. SER. GRD. ELECTRODE (10') 2" PVC CONDUIT 3" PVC CONDUIT 4" PVC CONDUIT BORED CONDUIT 4" TRENCH EXCAVATION ECI-1 TEST BORE	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2 97 23 23 2 4 1 1 1 200 340 155 150 555	LF LF EA EA EA LF LF EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00 159.00 414.00 1,173.00 67.50 6,000.00
154076 154077 154077 154059 154217 154260 155020 155126 155140 155190 155587 155587 155588 156014 156032 156036 156040 156052 156200	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2 JUNCTION BOX JB-S3 ELECT. SER. GRD. ELECTRODE (10') 2" PVC CONDUIT 3" PVC CONDUIT 4" PVC CONDUIT BORED CONDUIT 4" TRENCH EXCAVATION ECI-1	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2 97 23 23 2 4 1 1 1 200 340 155 150 555	LF LF EA EA EA LF LF EA EA EA EA EA EA EA EA EA EA EA EA EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00 414.00 11,73.00 67.50 6,000.00 13,320.00
154076 154077 154077 154059 154217 154260 155020 155126 155140 155502 155587 155587 155588 156014 156036 156040 156052 156205	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2 JUNCTION BOX JB-S3 ELECT. SER. GRD. ELECTRODE (10') 2" PVC CONDUIT 3" PVC CONDUIT 4" PVC CONDUIT BORED CONDUIT 4" TRENCH EXCAVATION ECI-1 TEST BORE NEMA SIZE 6 CABINET	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2 97 23 23 2 4 1 1 200 340 155 555 49	LF LF EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00 159.00 414.00 1,173.00 67.50 6,000.00 13,320.00 127,155.00
154076 154077 154077 154059 154217 154260 155020 155126 155140 155502 155587 155587 155588 156014 156032 156036 156040 156052	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2 JUNCTION BOX JB-S3 ELECT. SER. GRD. ELECTRODE (10') 2" PVC CONDUIT 4" PVC CONDUIT 4" PVC CONDUIT BORED CONDUIT 4" TRENCH EXCAVATION ECI-1 TEST BORE NEMA SIZE 6 CABINET TECHNICAL SHELTER	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2 97 23 24 4 11 1 200 340 155 555 49	LF LF EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00 159.00 414.00 1,173.00 67.50 6,000.00 13,320.00 127,155.00 37,695.00
154076 154077 154077 154059 154217 154260 155020 155126 155140 155502 155587 155587 155588 156014 156032 156036 156040 156052	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2 JUNCTION BOX JB-S3 ELECT. SER. GRD. ELECTRODE (10') 2" PVC CONDUIT 3" PVC CONDUIT 4" PVC CONDUIT BORED CONDUIT 4" TRENCH EXCAVATION ECI-1 TEST BORE NEMA SIZE 6 CABINET	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2 97 23 24 4 11 1 200 340 155 555 49	LF LF EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00 159.00 414.00 1,173.00 67.50 6,000.00 13,320.00
154076 154077 154077 154059 154217 154260 155020 155126 155126 155140 155502 155587 155587 155588 156014 156032 156036 156040 156052 156205	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S3 ELECT. SER, GRD. ELECTRODE (10') 2" PVC CONDUIT 4" PVC CONDUIT 4" PVC CONDUIT 4" PVC CONDUIT TEST BORE NEMA SIZE 6 CABINET TECHNICAL SHELTER ITS CONTROLLER CABINET (GROUND MOUNTED)	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 22 97 23 24 4 11 1 1 200 340 155 555 49 49 1 1	LF LF EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00 159.00 414.00 1,173.00 6,7.50 6,000.00 13,320.00 127,155.00 37,695.00 41,975.00
154076 154077 154077 154059 154217 154260 155020 155126 155140 155190 155587 155587 155588 156014 156032 156036 156040 156052 156205	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S3 ELECT. SER. GRD. ELECTRODE (10') 2" PVC CONDUIT 3" PVC CONDUIT 4" PVC CONDUIT 4" PVC CONDUIT 4" PVC CONDUIT TEST BORE NEMA SIZE 6 CABINET TECHNICAL SHELTER ITS CONTROLLER CABINET (GROUND MOUNTED) ITS CONTROLLER CABINET (POLE MOUNTED)	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 22 97 23 24 41 11 200 340 15 150 555 49 11 18	LF LF EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00 159,00 414.00 1,173.00 67.50 6,000.00 13,320.00 127,155.00 37,695.00 41,975.00
154076 154077 154077 154059 154217 154260 155020 155126 155140 155190 155587 155587 155588 156014 156032 156036 156040 156052 156205	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S3 ELECT. SER, GRD. ELECTRODE (10') 2" PVC CONDUIT 4" PVC CONDUIT 4" PVC CONDUIT 4" PVC CONDUIT TEST BORE NEMA SIZE 6 CABINET TECHNICAL SHELTER ITS CONTROLLER CABINET (GROUND MOUNTED)	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 22 97 23 24 41 11 200 340 15 150 555 49 11 18	LF LF EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00 159.00 414.00 1,173.00 6,7.50 6,000.00 13,320.00 127,155.00 37,695.00 41,975.00
154076 154077 154059 154217 154260 155020 155126 155140 155502 155587 155587 155588 156014 156032 156040 156050 156200 156200	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S3 ELECT. SER. GRD. ELECTRODE (10') 2" PVC CONDUIT 3" PVC CONDUIT 4" PVC CONDUIT 4" PVC CONDUIT BORED CONDUIT 4" TRENCH EXCAVATION ECI-1 TEST BORE NEMA SIZE 6 CABINET TECHNICAL SHELTER ITS CONTROLLER CABINET (GROUND MOUNTED) ITS CONTROLLER CABINET (POLE MOUNTED)	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 22 97 23 24 41 11 200 340 15 150 555 49 11 11 18 48	LF LF EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 2173,60.00 2,236.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00 159.00 414.00 1,173.00 67.50 6,000.00 127,155.00 37,695.00 41,975.00 158,310.00 355,200.00 243,150.00
154076 154077 154059 154217 154260 155020 155126 155140 155502 155587 155587 155587 155588 156014 156032 156036 156040 156052 156200 156205	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2 JUNCTION BOX JB-S3 ELECT. SER. GRD. ELECTRODE (10') 2" PVC CONDUIT 3" PVC CONDUIT 4" PVC CONDUIT BORED CONDUIT 4" TRENCH EXCAVATION ECI-1 TEST BORE NEMA SIZE 6 CABINET TECHNICAL SHELTER ITS CONTROLLER CABINET (GROUND MOUNTED) ITS CONTROLLER CABINET (POLE MOUNTED) GENERATOR ASSEMBLY UNINTERRUPTIBLE POWER SUPPLY ITS-CC	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 22 97 23 24 41 11 200 340 15 150 555 49 11 18 18 48 48	LF LF EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 21,360.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00 159.00 414.00 1,173.00 67.50 6,000.00 13,320.00 13,320.00 127,155.00 37,695.00 41,975.00 158,310.00 355,200.00 243,150.00
154076 154077 154077 154059 154217 154260 155020 155126 155140 155190 155587 155587 155587 155588 156014 156032 156036 156040 156052 156200 156205	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2 JUNCTION BOX JB-S3 ELECT. SER. GRD. ELECTRODE (10') 2" PVC CONDUIT 3" PVC CONDUIT 3" PVC CONDUIT 4" PVC CONDUIT BORED CONDUIT 4" TRENCH EXCAVATION ECI-1 TEST BORE NEMA SIZE 6 CABINET TECHNICAL SHELTER ITS CONTROLLER CABINET (GROUND MOUNTED) ITS CONTROLLER CABINET (POLE MOUNTED) GENERATOR ASSEMBLY UNINTERRUPTIBLE POWER SUPPLY ITS-CC CCTV CAMERA (DIGITAL)	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 22 97 23 24 41 11 11 200 340 155 555 49 11 11 18 48 48 3	LF LF EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00 159.00 414.00 1,173.00 67.50 6,000.00 127,155.00 37,695.00 41,975.00 158,310.00 355,200.00 243,150.00
154076 154077 154077 154059 154217 154260 155020 155126 155140 155190 155587 155587 155587 155588 156014 156032 156036 156040 156052 156200 156205	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2 JUNCTION BOX JB-S3 ELECT. SER. GRD. ELECTRODE (10') 2" PVC CONDUIT 3" PVC CONDUIT 3" PVC CONDUIT 4" PVC CONDUIT BORED CONDUIT 4" TRENCH EXCAVATION ECI-1 TEST BORE NEMA SIZE 6 CABINET TECHNICAL SHELTER ITS CONTROLLER CABINET (GROUND MOUNTED) ITS CONTROLLER CABINET (POLE MOUNTED) GENERATOR ASSEMBLY UNINTERRUPTIBLE POWER SUPPLY ITS-CC CCTV CAMERA (DIGITAL)	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 22 97 23 24 41 11 11 200 340 155 555 49 11 11 18 48 48 3	LF LF EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00 159.00 414.00 1,173.00 67.50 6,000.00 13,320.00 127,155.00 37,695.00 41,975.00 158,310.00 355,200.00 243,150.00 751,080.00
154076 154077 154059 154217 154260 155020 155126 155140 155502 155587 155587 155588 156014 156032 156036 156040 156052 156200 156205	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2 JUNCTION BOX JB-S3 ELECT. SER. GRD. ELECTRODE (10') 2" PVC CONDUIT 3" PVC CONDUIT 4" PVC CONDUIT BORED CONDUIT 4" TRENCH EXCAVATION ECI-1 TEST BORE NEMA SIZE 6 CABINET TECHNICAL SHELTER ITS CONTROLLER CABINET (GROUND MOUNTED) ITS CONTROLLER CABINET (POLE MOUNTED) GENERATOR ASSEMBLY UNINTERRUPTIBLE POWER SUPPLY ITS-CC CCTV CAMERA (DIGITAL)	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2 97 23 24 11 11 200 340 155 150 555 49 11 11 18 18 18 18 18 18 18 18 36 66 15	LF LF EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,736.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00 414.00 1,173.00 67.50 6,000.00 13,320.00 127,155.00 41,975.00 41,975.00 158,310.00 355,200.00 243,150.00 87,600.00
154076 154077 154077 154059 154217 154612 154260 155020 155126 155140 155190 155587 155587 155588 156014 156032 156036 156040 156052 156205 157010 157010 157011 157010 157091	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2 JUNCTION BOX JB-S3 ELECT. SER. GRD. ELECTRODE (10') 2" PVC CONDUIT 3" PVC CONDUIT 4" PVC CONDUIT 4" PVC CONDUIT TEST BORE NEMA SIZE 6 CABINET TECHNICAL SHELTER ITS CONTROLLER CABINET (GROUND MOUNTED) ITS CONTROLLER CABINET (GROUND MOUNTED) ITS CONTROLLER CABINET (POLE MOUNTED) GENERATOR ASSEMBLY UNINTERRUPTIBLE POWER SUPPLY ITS-CC CCTV CAMERA POLE (40') CCTV CAMERA POLE (60') WITH LOWERING DEVICE	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2 97 23 22 44 11 11 200 340 155 150 555 49 11 11 18 48 48 33 666 155 366	LF LF EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,236.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00 159.00 414.00 1,173.00 67.50 6,000.00 13,320.00 127,155.00 37,695.00 41,975.00 158,310.00 355,200.00 243,150.00 751,080.00
154076 154077 154077 154059 154217 154612 154260 155020 155126 155140 155190 155587 155587 155588 156014 156032 156036 156040 156052 156205 157010 157010 157011 157010 157091	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2 JUNCTION BOX JB-S3 ELECT. SER. GRD. ELECTRODE (10') 2" PVC CONDUIT 3" PVC CONDUIT 4" PVC CONDUIT 4" PVC CONDUIT TEST BORE NEMA SIZE 6 CABINET TECHNICAL SHELTER ITS CONTROLLER CABINET (GROUND MOUNTED) ITS CONTROLLER CABINET (GROUND MOUNTED) ITS CONTROLLER CABINET (POLE MOUNTED) GENERATOR ASSEMBLY UNINTERRUPTIBLE POWER SUPPLY ITS-CC CCTV CAMERA POLE (40') CCTV CAMERA POLE (60') WITH LOWERING DEVICE	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2 97 23 22 44 11 11 200 340 155 150 555 49 11 11 18 48 48 33 666 155 366	LF LF EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,736.00 108,446.00 31,740.00 3,784.00 6,680.00 2,182.00 414.00 1,173.00 67.50 6,000.00 13,320.00 127,155.00 37,695.00 41,975.00 158,310.00 355,200.00 243,150.00 87,600.00 87,600.00
154076 154077 154077 154059 154217 154260 155020 155126 155140 155190 155587 155587 155588 156014 156032 156036 156040 156052 156205 157010 157011 157011 157015 157060 157091 157093	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2 JUNCTION BOX JB-S3 ELECT. SER. GRD. ELECTRODE (10') 2" PVC CONDUIT 3" PVC CONDUIT 4" PVC CONDUIT BORED CONDUIT 4" TRENCH EXCAVATION ECI-1 TEST BORE NEMA SIZE 6 CABINET TECHNICAL SHELTER ITS CONTROLLER CABINET (GROUND MOUNTED) ITS CONTROLLER CABINET (POLE MOUNTED) GENERATOR ASSEMBLY UNINTERRUPTIBLE POWER SUPPLY ITS-CC CCTV CAMERA POLE (60') WITH LOWERING DEVICE DYNAMIC MESSAGE SIGN (TYPE 1) (FULL COLOR)	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2 97 23 23 24 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LF LF EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 2,736.00 31,740.00 3,784.00 6,680.00 2,182.00 414.00 1,173.00 67.50 6,000.00 13,320.00 127,155.00 37,695.00 41,975.00 355,200.00 243,150.00 87,600.00 87,600.00 1326,520.00 246,900.00 1,698,400.00
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154076 154077 154077 154079 154217 154260 155020 155126 155140 155190 155587 155587 155588 156032 156032 156036 156040 156052 156205 157010 157010 157010 157010 157010 157093 157090 157100	TYPE B CLASS VI PVMT LINE MRKG 6" TYPE B CLASS VI PVMT LINE MRKG 8" TYPE B CLASS VI PVMT LINE MRKG 12" SNOW PLOW RAISED PVMT MARKER ASPH CONC TUBULAR MARKER PVMT SYMB MRKG (HOV DIAMOND) TY A PVMT MESSAGE, 6', CHARACTER, TY. A 2 CONDUCTOR CABLE CONDUCTOR CABLE, NO. 8 EGC CONCRETE FOUNDATION LF-1 TY. A LIGHTING POLE LP-2 TYPE F LUMINAIRE 250 WATT H.P.S. POLE-MOUNT NS 80 LED LUMINAIRE (ATB2 80BLEDE85 OR EQUAL) NS WALLPACK LED 20C (W4GLED OR EQUAL) JUNCTION BOX JB-S1 JUNCTION BOX JB-S2 JUNCTION BOX JB-S3 ELECT. SER. GRD. ELECTRODE (10') 2" PVC CONDUIT 3" PVC CONDUIT 4" PVC CONDUIT BORED CONDUIT 4" TRENCH EXCAVATION ECI-1 TEST BORE NEMA SIZE 6 CABINET TECHNICAL SHELTER ITS CONTROLLER CABINET (GROUND MOUNTED) ITS CONTROLLER CABINET (POLE MOUNTED) GENERATOR ASSEMBLY UNINTERRUPTIBLE POWER SUPPLY ITS-CC CCTV CAMERA POLE (40') CCTV CAMERA POLE (60') WITH LOWERING DEVICE DYNAMIC MESSAGE SIGN (TYPE 1) (FULL COLOR)	475,052 6,800 13 5,600 6,581 55 13 32,062 10,688 187 76 2 97 23 23 24 4 1 1 11 11 18 18 48 3 66 155 366 12 10	LF LF EA	1,591,424.20 28,560.00 91.00 151,200.00 309,307.00 9,460.00 468.00 121,835.60 22,124.16 392,700.00 217,360.00 217,360.00 31,740.00 37,84.00 6,680.00 2,182.00 414.00 11,173.00 67.50 6,000.00 13,320.00 127,155.00 37,695.00 41,975.00 355,200.00 243,150.00 87,600.00 87,600.00 1326,520.00 246,900.00 1,698,400.00

	DYNAMIC MESSAGE SIGN (TYPE SPECIAL) (AMBER-TRAVEL		Т 1	EA	19,880.00
	DYNAMIC MESSAGE SIGN (TYPE SPECIAL) (AMBERTHAVEL			EA	481,600.00
157130	DMS BUTTERFLY STRUCTURE (TYPE 1)			EA	307,080.00
	DMS BUTTERFLY STRUCTURE (TYPE 2)			EA	237,500.00
	DMS CANTILEVER STRUCTURE (LCS)			EA	528,540.00
157160	VDS DETECTOR			EA	596,220.00
157171	ENVIRONMENTAL SENSOR STATIONS (ESS), SOLAR/BATTERY		1	EA	17,535.00
	FIBER OPTIC CABLE (12 STRAND)		9,900	LF	34,155.00
157203	FIBER OPTIC CABLE (48 STRAND)		500		2,400.00
157210	UNDERGROUND SPLICE ENCLOSURE		67	EA	127,635.00
157215	FIBER DISTRIBUTION CENTER			EA	162,810.00
157220	MANAGED FIELD ETHERNET SWITCH (100 MBPS)		66	EA	153,978.00
157221	MANAGED FIELD ETHERNET SWITCH (GBPS)		1	EA	4,377.00
157361	ETHERNET TERMINAL SERVER		76	EA	270,180.00
157361	ITS CONDUIT HDPE 2"		10,688	LF	267,200.00
157363	ITS CONDUIT HDPE 4"		10,150	LF	324,800.00
200120	STRUCTURE EXCAVATION	F	5,214	CY	338,910.00
	RETAINING WALL-SPECIAL WALL		830	LF	1,660,000.00
	MSE WALL @ HRB		68,276	SF	10,241,400.00
	TEMPORARY TRESTLE		1	LS	8,000,000.00
264868	DRIVING TEST FOR 24" PRESTR. CONC. PILE		180	LF	99,000.00
264424	PRESTR. CONCRETE PILES 24"		2,380	LF	737,800.00
	DRIVING TEST FOR 36" PRESTR. CONC. PILE		1,396		1,326,200.00
	PRESTR. CONCRETE PILES 36"		8,932		4,466,000.00
	DRIVING TEST FOR 66" PRESTR. CONC. PILE		2,554		2,809,400.00
	PRESTR. CONCRETE CYLINDER PILES 66"		6,896		6,482,240.00
	DYNAMIC PILE TEST			EA	401,700.00
	CORROSION RESISTANT REINF. STEEL CL. I		2,323,822		3,950,497.40
	REINFORCING STEEL - BLACK		1,575,493		1,260,394.40
	CONCRETE CLASS A3 SUBSTRUCTURE		21,604		29,165,400.00
	BEARING DEVICE		640		1,728,000.00
	PREST. CONC. BEAM BULB-T 77" DEPTH +130'-140'		4,360		1,482,400.00
261289	PREST. CONC. BEAM BULB-T 93" DEPTH +150'-160'		31,040		10,864,000.00
	PREST. CONC. BEAM BULB-T 95" DEPTH +190'-200'		14,025		5,049,000.00
	STR. STEEL PLATE GIRDER GR. 50W		2,750,000		4,125,000.00
	CORROSION RESISTANT REINF. STEEL CL. III		4,399,848		10,999,620.00
	CONCRETE CLASS A4 MOD. LOW SHRINK SUPERSTRUCTURE		17,706		15,935,400.00
	BRIDGE DECK GROOVING		60,713	100,000	157,853.80
	COVER DEPTH SURVEY		515,700		25,785.00
	CONCRETE PARAPET 42"		12,688		2,689,856.00
	PEDESTRIAN FENCE 8'		1,065		119,280.00
	TOOTH EXPANSION JOINT ASSEMBLY 3"		656		1,180,800.00
267400	SCUPPERS-DECK DRAINAGE SYSTEM			LS	323,000.00
	FIRE STANDPIPE SYSTEM			LS	1,266,100.00
04.0000.0000.0000.000	LIGHTS ABOVE DECK			EA	94,314.00
	LIGHTS BELOW DECK			EA	138.00
	NAVIGATION LIGHTS			EA	10,356.00
	REINF. STEEL BRIDGE APPROACH SLAB		23,680		23,680.00
260450	CONC. CL. A4 BRIDGE APPR. SLAB		158		60,040.00
	FENDER SYSTEM			LS	4,500,000.00
	SUBMARINE CABLE PROTECTION			LS	47,950.00
	TIDE GATE GILMERTON CHANNEL			LS	450,000.00
	HRB DEMO			LS	632,000.00
	WARNING & BARRIER GATES			EA	640,000.00
	OH DMS			EA	60,000.00
	GEOCOMPOSITE WALL DRAIN			SY	66,000.00
	TEMPORARY SHEET PILE		9,366		234,150.00
	STRUCTURE EXCAVATION	F	4,470		67,050.00
	RETAINING STRUCTURE-MSE SELECT MATERIAL TYPE 1		15,654		2,739,450.00
			2,160		86,400.00
	DRIVING TEST FOR 18" PRESTR. CONCRETE PILES		305	10000	91,500.00
	PRESTR. CONCRETE PILES 18"		4,464		446,400.00
	DYNAMIC PILE TEST (PDA) CORROSION RESISTANT REINF. STEEL CL. I		18,524	EA	5,961.00
	REINFORCING STEEL-BLACK (SUBSTRUCTURE)		13,531		31,490.80
	CONCRETE CLASS A3 SUBSTRUCTURE		193		10,824.80
					443,900.00
	BEARINGS PREST. CONC. BEAM BULB-T 85" DEPTH +150'-160'			EA	40,000.00
	CORROSION RESISTANT REINF, STEEL CL. II		1,535		491,200.00
			106,274		276,312.40
	CORR RESISTANT REINF STEEL CL II-BACKWALL CONCRETE CLASS A4 SUPERSTRUCTURE		12,320 483		32,032.00
				CY	966,000.00
	CONCRETE CLASS A4 BACKWALL & CLOSURE			LF	224,000.00
	EXPANSION JOINTS RRIDGE DECK GROOVING				10,800.00
U AND POLICE LA COMPANIE DE LA COMPA	BRIDGE DECK GROOVING RAILING BR27D-3 RAILS		1,448	_	3,764.80
302046	HAILING DHZ/ D-3 HAILS		624	ഥ	126,672.00

367090 NS PEDESTRIAN FENCE		624	LF	77,376.00
367270 NS BRIDGE LIGHTING SYSTEM		1	LS	34,854.00
360452 REINF. STEEL BRIDGE APPROACH SLAB		26,100	LB	23,490.00
360450 CONC. CL. A4 BRIDGE APPR. SLAB		116	CY	46,400.00
367900 DEMOLITION EXISTING BRIDGE		1	LS	300,000.00
360495 COVER DEPTH SURVEY GBB		13,710	SF	685.50
469008 GEOCOMPOSITE WALL DRAIN		138	SY	11,040.00
400120 STRUCTURE EXCAVATION	F	2,230	CY	133,800.00
469012 TEMPORARY SHEET PILING		13,545	SF	406,350.00
469014 SELECT BACKFILL (ABUTMENT ZONE)		4,000	TN	160,000.00
468900 REMOVE PORTION EXISTING BRIDGE		1	LS	800,000.00
469430 DRIVING TEST FOR 12" PREST. CONC. PILE		1,448	LF	304,080.00
469430 PRESTRESSED CONCRETE PILES 12"		. 10,870	LF	1,087,000.00
469426 DYNAMIC PILE TEST (PDA)		22	EA	44,000.00
DRILLED SHAFT (3.5' DIA.)		720	LF	720,000.00
469094 CORROSION RESISTANT REINF. STEEL CL. I		206,891	LB	413,782.00
469100 REINFORCING STEEL (SUBSTRUCTURE)		35,336	LB	31,802.40
469093 CONCRETE CLASS A3 SUBSTRUCTURE		1,274	CY	2,548,000.00
468164 BEARINGS		164	EA	98,400.00
461208 PREST. CONC. BEAM BULB-T 29" DEPTH		1,134	LF	340,200.00
461214 PREST. CONC. BEAM BULB-T 37" DEPTH		1,726	LF	517,800.00
468107 STR. STEEL PLATE GIRDER ASTM A709 GR. 50		316,579	LB	633,158.00
468093 CORROSION RESISTANT REINF. STEEL CL. III		225,103	LB	562,757.50
468675 EPOXY OVERLAY		1,670	SY	128,590.00
468043 CONCRETE CLASS A4 MOD. LOW SHRINK (SUPERSTRUCTURE)		1,075	CY	2,150,000.00
468047 CONCRETE PARAPET 42"		1,201	LF	228,190.00
468550 TYPE F2 NEW EXPANSION DAM		871	LF	129,779.00
468550 TYPE F2 RECONSTRUCTED EXPANSION DAM		1,182	LF	378,240.00
467400 DECK DRAINAGE (SCUPPERS)		4	EA	9,680.00
467400 DECK DRAINAGE (BRIDGE DRAINAGE PIPE)		100	LF	8,000.00
468270 REINF. STEEL BRIDGE APPROACH SLAB		66,200	LB	59,580.00
468265 CONC. CL. A4 BRIDGE APPR. SLAB		362	CY	111,496.00
469740 CONCRETE SLOPE PROTECTION 4"		1,927	SY	163,795.00
468090 BRIDGE DECK GROOVING		2,520	SY	12,600.00
468085 COVER DEPTH SURVEY WIDENINGS		33,685	SF	1,684.25
468315 TYPE A MILLING (1-1/2")		1,046	SY	41,840.00
468607 LATEX MODIFIED CONCRETE OVERLAY		1,046		206,062.00

TOTAL \$ 409,595,765.00

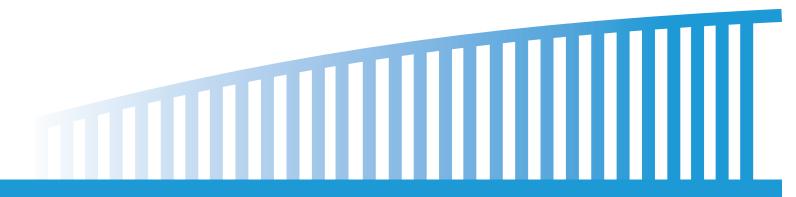
¹ Use five-digit work item codes and units of measure that are consistent with VDOT's list of standard and non-standard item codes (i.e. 00100-Mobilization; 00120-Regular Excavation, etc...).



4.8.3 - Proposed Monthly Payment Schedule

ATTACHMENT 4.8.3: PROPOSED MONTHLY PAYMENT SCHEDULE

Month #	Month	Year	Anticipated Draw/Cash Flow	Cumulative Draw/Cash Flow
1	November	2017	5,530,713	5,530,713
2	December	2017	5,960,713	11,491,427
3	January	2018	4,475,713	15,967,140
4	February	2018	4,140,713	20,107,854
5	March	2018	5,820,713	25,928,567
6	April	2018	13,191,713	39,120,281
7	May	2018	3,713,570	42,833,851
8	June	2018	5,225,570	48,059,421
9	July	2018	15,284,570	63,343,991
10	August	2018	9,020,237	72,364,228
11	September	2018	10,787,737	83,151,965
12	October	2018	9,250,594	92,402,559
13	November	2018	8,519,594	100,922,152
14	December	2018	8,640,594	109,562,746
15	January	2019	10,053,094	119,615,839
16	February	2019	10,203,094	129,818,933
17	March	2019	11,749,201	141,568,134
18	April	2019	13,045,950	154,614,085
19	May	2019	14,902,450	169,516,535
20	June	2019	15,488,450	185,004,985
21	July	2019	16,175,950	201,180,936
22	August	2019	16,656,950	217,837,886
23	September	2019	17,540,950	235,378,836
24	October	2019	18,555,950	253,934,787
25	November	2019	17,767,617	271,702,403
26	December	2019	17,058,515	288,760,918
27	January	2020	15,540,158	304,301,076
28	February	2020		
29	March	2020	13,417,301	317,718,377
30		2020	13,404,801	331,123,178
31	April	2020	12,894,801	344,017,980
	May		11,521,667	355,539,646
32	June	2020	10,604,111	366,143,757
34	July	2020	9,421,111	375,564,869
	August	2020	7,080,000	382,644,869
35	September	2020	6,125,000	388,769,869
36	October	2020	4,973,000	393,742,869
37	November	2020	4,175,000	397,917,869
38	December	2020	2,021,500	399,939,369
39	January	2021	1,532,230	401,471,599
40	February	2021	1,597,500	403,069,099
41	March	2021	1,767,500	404,836,599
42	April	2021	2,121,667	406,958,265
43	May	2021	1,437,500	408,395,765
44	June	2021	767,500	409,163,265
45	July	2021	432,500	409,595,765
46	August	2021	-	409,595,765
	Total Con	tract Price	409,595,765	



4.8.4 - Adjustments to Asphalt and Fuel Prices

I-64 Southside Widening and High Rise Bridge, Phase 1 City of Chesapeake, Virginia Project No.0064-131-811, P101, R201, C501, B662-B670, D637, D638 Contract ID # C00106692DB93

EXHIBIT 6.3(a) ADJUSTMENT FOR ASPHALT

SPECIAL PROVISION FOR ASPHALT MATERIAL PRICE ADJUSTMENT for DESIGN-BUILD PROJECTS

December 14, 2016

All asphalt material listed in the attached "Master Listing of Asphalt Material Items Eligible for Price Adjustment" will be adjusted in accordance with the provisions as set forth herein. Other items will not be adjusted, except as otherwise specified in the contract. Any item added through a Work Order which contains Asphalt Material will not be subject to Price Adjustment unless specifically designated in the Work Order to be subject to Price Adjustment.

Each month, the Department will publish an average state-wide PG 64S-22 f.o.b. price per ton and an average PG 64E-22 f.o.b. price per ton developed from the average terminal prices provided to the Department from suppliers of asphalt cement to contractors doing work in Virginia. The Department will collect terminal prices from approximately 12 terminals each month. These prices will be received once each month from suppliers on or about the last weekday of the month. The high and low prices will be eliminated and the remaining values averaged to establish the average statewide price for the following month. That monthly state-wide average price will be posted on the Scheduling and Contracts Division website on or about the first weekday of the following month. In the event the average prices were to change 10 percent or more of the Base Index during the middle of the month, the Design Builder can submit a letter to the Department and the supplier that provides evidence of the difference in price. Upon receipt of the letter consideration will be given to extend additional adjustments as deemed necessary.

This monthly statewide average price will be the <u>Base Index</u> for all contracts on which Price Proposals are received during the calendar month of its posting and will be the Current Index for all asphalt placed during the calendar month of its posting. In the event an index changes radically from the apparent trend, as determined by the Engineer, the Department may establish an index which is determined to best reflect the trend.

The amount of adjustment applied will be based on the difference between the Price Proposal\Contract Base Index and the Current Index for the applicable calendar month during which the work is performed. Calculations must be done for each type of Asphalt Material put in place each month, whether the Current Index is higher or lower than the Base Index. The calculation for the adjustment shall be shown as follows:

 $A = Q \times AC \times IC$

Where: A = Asphalt Adjustment Dollar Amount

Q = Quantity of Asphalt Material put in place during the month

% AC = % of Asphalt Cement in the Asphalt Material as specified in the Job Mix Formula

IC = Numeric Dollar Difference, either positive or negative, between the Base Index and Current Index

Example Calculation for Negative Price Adjustment (Credit back to VDOT):

7,500 Tons of SM-12.5A put in place during the month (Q), Job Mix is 6.1% Asphalt Cement for SM-12.5A (%AC), Base Index for the Contract is \$515/Ton, Current Index is \$500/Ton, Difference of - \$15.00/Ton (IC)

7,500 Tons SM-12.5A x 6.1% x - \$15.00/Ton = - \$6,862.50 Adjustment Amount

Example Calculation for Positive Price Adjustment (Paid to the Design-Builder):

10,000 Tons of BM-25.0A put in place during the month (Q), Job Mix is 5.2% Asphalt Cement for BM-25.0A (%AC), Base Index for the Contract is \$515/Ton, Current Index is \$560/Ton, Difference of + \$45.00/Ton (IC)

 $10,000 \text{ Tons BM-}25.0 \text{A} \times 5.2\% \times \$45.00/\text{Ton} = + \$23,400.00 \text{ Adjustment Amount}$

Request for Proposals Part 3 Lump Sum Agreement December 14, 2016 I-64 Southside Widening and High Rise Bridge, Phase 1 City of Chesapeake, Virginia Project No.0064-131-811, P101, R201, C501, B662-B670, D637, D638 Contract ID # C00106692DB93

Adjustment of any asphalt material item designated as a price adjustment item which does not contain PG 64-22, except PG 76-22 or PG 70-28, will be based on the indexes for PG 64-22. The quantity of asphalt cement for asphalt concrete pavement to which adjustment will be applied will be the quantity based on the percent of asphalt cement shown on the appropriate approved job mix formula.

The quantity of asphalt emulsion for surface treatments to which adjustment will be applied will be the quantity based on 65 percent residual asphalt.

Price adjustment will be shown as a separate entry on the monthly application of payment for work packages completed; however, such adjustment will not be included in the total cost of the work for progress determination or for extension of contract time. Items the Design-Builder claims in its application of payment for asphalt adjustments must include supporting calculations certified by the Quality Assurance Manager (QAM). These calculations must be completed relative to the calendar month under which the work was performed and shall be submitted for either positive or negative adjustment.

Any apparent attempt to unbalance bids in favor of items subject to price adjustment or failure to submit required cost and price data as noted hereinbefore may result in rejection of items for asphalt adjustment.

VIRGINIA DEPARTMENT OF TRANSPORTATION MASTER LISTING OF ASPHALT MATERIAL ITEMS ELIGIBLE FOR PRICE ADJUSTMENT (10-27-09)

ITEM	DESCRIPTION	UNITS	SPECIFICATION
10062	Asphalt-Stab. Open-Graded Material	Ton	313
10416	Liquid Asphalt	Gal	311 312
10420	Blotted Seal Coat Ty. B	Sy	ATTD
10422	Blotted Seal Coat Ty. C	Sy	ATTD
10423	Blotted Seal Coat Ty. C-1	Sy	ATTD
10424	Blotted Seal Coat Ty. D	Sy	ATTD
10598	Ns Asphalt Concrete	Ton	315
10606	Asphalt Concrete Ty. SM-9.5	Ton	315
10607	Asphalt Concrete Ty. SM-12.5A	Ton	315
10608	Asphalt Concrete Ty. SM-12.5D	Ton	315
10609	Asphalt Concrete Ty. SM-12.5E (76-22)	Ton	315
10610	Asphalt Concrete Ty. IM-19.0A	Ton	315
10611	Asphalt Concrete Ty. IM-19.0D	Ton	315
10612	Asphalt Conc. Base Cr. Ty. BM-25.0	Ton	315
10613	Asphalt Concrete Ty. BM-37.5	Ton	315
10635	Asphalt Concrete Ty. SM-9.5A	Ton	315
10636	Asphalt Concrete Ty. SM-9.5D	Ton	315
10637	Asphalt Concrete Ty. SM-9.5E (76-22)	Ton	315
10639	Asphalt Concrete Ty. SM-19.0	Ton	315
10642	Asphalt Concrete Ty. BM-25.0A	Ton	315
10643	Asphalt Concrete Ty. BM-25.0D	Ton	315
10650	Stone Matrix Asphalt SMA-9.5(70-22)	Ton	317
10651	Stone Matrix Asphalt SMA-9.5(76-22)	Ton	317
10652	Stone Matrix Asphalt SMA-12.5(70-22)	Ton	317
10653	Stone Matrix Asphalt SMA-12.5(76-22)	Ton	317
10654	Stone Matrix Asphalt SMA-19.0(70-22)	Ton	317
10655	Stone Matrix Asphalt SMA-19.0(76-22)	Ton	317
10701	Liquid Asphalt Coating	Sy	ATTD
12505	Asphalt Concrete Curb Backup Material	Ton	315
13240	Asphalt Concrete Sidewalk	Ton	504
16110	Emul. Asph. Slurry Seal Type A	Sy	ATTD
16120	Emul. Asph. Slurry Seal Type B	Sy	ATTD
16130	Emul. Asph. Slurry Seal Type C	Sy	ATTD
16144	Latex Mod. Emul. Treat. Type B	Ton	ATTD
16145	Latex Mod. Emul. Treat. Type C	Ton	ATTD
16146	Latex Mod. Emul. Treat. Rutfilling	Ton	ATTD
16161	Modified Single Seal	Sy	ATTD
16162	Modified Double Seal	Sy	ATTD
16249	Nontracking Tack Coat	Gal.	ATTD

16	6250	Liquid Asphalt Matl. CMS-2 (Mod)	Gal	ATTD
16	3251	Liquid Asphalt Matl. CMS-2	Gal	ATTD
16	3252	Liquid Asphalt Matl. CRS-2	Gal	ATTD
16	3253	Liquid Asphalt Matl. CRS-2H	Gal.	ATTD.
16	3254	Liquid Asphalt Matl. RC-250	Gal	ATTD
16	6256	Liquid Asphalt Matl. RC-800	Gal	ATTD
16	3257	Ns Liquid Asphalt Matl.	Gal	ATTD
16	6260	Liquid Asphalt Matl. CRS-2L	Gal	ATTD
16	325	NS Asphalt Concrete	Ton	N/A
16	6330	Asphalt Concrete Ty. SM-9.0A	Ton	315
16	3335	Asphalt Concrete Ty. SM-9.5A	Ton	315
16	3337	Asph. Conc. Ty. SM-9.5ASL (Spot Level)	Ton	315
16	6340	Asphalt Concrete Ty. SM-9.5D	Ton	315
16	342	Asph. Conc. Ty. SM-9.5DSL (Spot Level)	Ton	315
16	345	Asphalt Concrete Ty. SM-9.5E (76-22)	Ton	315
16	350	Asphalt Concrete Ty. SM-12.5A	Ton	315
16	352	Asph. Con. Ty. SM-12.5ASL (Spot Level)	Ton	315
16	355	Asphalt Concrete Ty. SM-12.5D	Ton	315
16	357	Asph. Con. Ty. SM-12.5DSL (Spot Level)	Ton	315
16	6360	Asphalt Concrete Ty. SM-12.5E (76-22)	Ton	315
16	365	Asphalt Concrete Ty. IM-19.0A	Ton	315
16	370	Asphalt Concrete Ty. IM-19.0D	Ton	315
16	373	Asphalt Concrete Ty. IM-19.0A (T)	Ton	315
16	374	Asphalt Concrete Ty. IM-19.0D (T)	Ton	315
16	377	Asphalt Concrete Ty. BM-37.5	Ton	315
16	6379	Asphalt Concrete Ty. IM-19.0T	Ton	315
16	6390	Asphalt Concrete Ty. BM-25.0A	Ton	315
16	5392	Asphalt Concrete Ty. BM-25.0D	Ton	315
16	395	Asphalt Concrete Ty. BM-25.0A (T)	Ton	315
16	397	Asphalt Concrete Ty. BM-25.0D (T)	Ton	315
16	5400	Stone Matrix Asphalt SMA-9.5(70-22)	Ton	ATTD
16	6401	Stone Matrix Asphalt SMA-9.5(76-22)	Ton	ATTD
16	5402	Stone Matrix Asphalt SMA-12.5(70-22)	Ton	ATTD
16	5403	Stone Matrix Asphalt SMA-12.5(76-22)	Ton	ATTD
16	5404	Stone Matrix Asphalt SMA-19.0(70-22)	Ton	ATTD
16	6405	Stone Matrix Asphalt SMA-19.0(76-22)	Ton	ATTD
16	5490	Hot Mix Asphalt Treatment	Ton	ATTD
16	5500	Surf.Preparation & Restoration Type I	Ton	ATTD
16	5502	Surf.Preparation & Restoration Type Ii	Ton	ATTD
16	5504	Surf.Preparation & Restoration Type Iii	Ton	ATTD
67	7201	NS Asphalt Concrete Overlay	Ton	315
	7210	NS Asphalt Concrete	Ton	315
68	3240	NS Asphalt Concrete	Ton	315

I-64 Southside Widening & High Rise Bridge, Phase 1 Chesapeake, Virginia Project No. 0064-131-811, P101, R201,C501, B662-B670, D637, D638 Contract ID # C00106692DB93

Exhibit 6.3(b)

Form C-16a August 9, 2013

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION ASPHALT PRICE ADJUSTMENT (PG76-22 or PG 70-28) DESIGN-BUILD PROJECTS

INSTRUCTIONS - This form is to be completed and returned <u>ONLY</u> when asphalt concrete items containing PG 76-22 or PG 70-28 is being utilized on the project.

PROJECT NUMBER: 0064-131-811, R201, C501, B662-670, D637, D638
DISTRICT:
Bid Prices in this contract for items containing PG 76-22 or PG 70-28 asphalt cement were developed using an f.o.b. price of \$522.86 per IMPERIAL ton for PG 76-22 or PG 70-28. This quote is project specific.
Price quotes signed by each supplier from which the Design-Builder proposes to obtain PG 76-22 or PG 70-28 shall be maintained by the Design-Builder. These quotes shall be retained on site during the life of the Contract for review by the Engineer upon request.
DATE: August 29, 2017
SIGNATURE: Jigisha Desai Attorney in Fact
Granite/Parsons/Corman, a Joint Venture (GPC) (Firm or Corporation)
JV078 (Vendor No.)

I-64 Southside Widening and High Rise Bridge, Phase 1 City of Chesapeake, Virginia Project No.0064-131-811, P101, R201, C501, B662-B670, D637, D638 Contract ID # C00106692DB93

EXHIBIT 6.3 (c) ADJUSTMENT FOR FUEL

VIRGINIA DEPARTMENT OF TRANSPORTATION SPECIAL PROVISION FOR OPTIONAL ADJUSTMENT FOR FUEL DESIGN-BUILD PROJECTS

June 30, 2011 (Revised) November 5, 2012

In the event the Design-Builder elects to seek adjustment for fuel items designated in the Price Proposal\Contract as Price Adjustment Items such items will be subject to price adjustment as set forth herein. Other items will not be adjusted, except as otherwise specified in the contract.

The Design-Builder will submit their monthly application for payment associated with eligible work packages with an adjustment up or down as appropriate for cost changes in fuel used on specific items of work identified in this provision. A master listing of standard items eligible for fuel adjustment is provided by the Department on its website at the following link http://www.virginiadot.org/business/resources/masteroptionalfuelitems.pdf. The listing on the web site also includes the corresponding fuel factor for each item. The fuel usage factor for each item is considered inclusive of all fuel usage.

The amount of adjustment will be computed from the change in the indexes and the on-site fuel use as shown in the Department's master listing of eligible items.

In order to be eligible for fuel adjustment under this provision, the Design-Builder shall clearly identify in within the Schedule of Values those pay items and the associated quantities it chooses to have fuel adjustment applied to in its work packages. Items the Design-Builder claims in its application of payment for fuel adjustments must be properly designated in order to be considered for adjustment. Items not properly designated or left out of the Design-Builder's Schedule of Values will automatically not be considered for adjustment.

The monthly index price to be used in the administration of this provision will be calculated by the Department from the Diesel fuel prices published by the U. S. Department of Energy, Energy Information Administration on highway diesel prices, for the Lower Atlantic region. The monthly index price will be the price for diesel fuel calculated by averaging each of the weekly posted prices for that particular month.

For the purposes of this provision, the base index price will be calculated using the data from the month preceding the receipt of bids. The base index price will be posted by the Department at the beginning of the month for all bids received during that month.

The current index price will be posted by the Department and will be calculated using the data from the month preceding the particular estimate being vouchered for payment.

The current monthly quantity for eligible items of work selected by the Design-Builder for fuel adjustment in its work packages will be multiplied by the appropriate fuel factor to determine the gallons of fuel to be cost adjusted. The amount of adjustment per gallon will be the net difference between the current index price and the base index price. Computation for adjustment will be made as follows:

S = (E - B) QF

Where; S = Monetary amount of the adjustment (plus or minus)

B = Base index price

Request for Proposals Part 3 Lump Sum Agreement December 14, 2016 I-64 Southside Widening and High Rise Bridge, Phase 1 City of Chesapeake, Virginia Project No.0064-131-811, P101, R201, C501, B662-B670, D637, D638 Contract ID # C00106692DB93

E = Current index price

Q = Quantity of individual units of work

F = Appropriate fuel factor

Adjustments will not be made for work performed beyond the original contract time limit unless the original time limit has been changed by an executed Work Order.

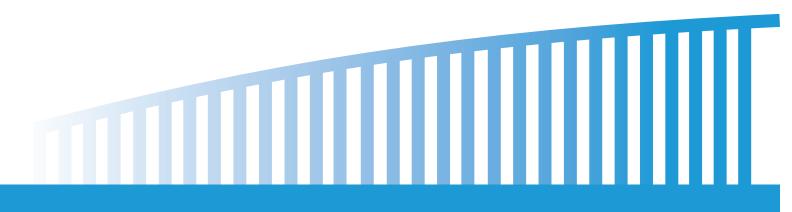
If new pay items are added to this contract by Work Order and they are listed in the Department's master listing of eligible items, the Work Order must indicate which of these individual items will be fuel adjusted; otherwise, those items will not be fuel adjusted. If applicable, designating which new pay items will be added for fuel adjustment must be determined during development of the Work Order and clearly shown on the Work Order form. The Base Index price on any new eligible pay items added by Work Order will be the Base Index price posted for the month in which bids were received for that particular project. The Current Index price for any new eligible pay items added by Work Order will be the Index price posted for the month preceding the estimate on which the Work Order is paid.

When quantities differ between the last monthly application of payment prepared upon final acceptance and the final application of payment, adjustment will be made using the appropriate current index for the period in which that specific item of work was last performed.

In the event any of the base fuel prices in this contract increase more than 100 percent (i.e. fuel prices double), the Department will review each affected item of work and give the Design-Builder written notice if work is to stop on any affected item of work. The Department reserves the right to reduce, eliminate or renegotiate the price for remaining portions of affected items of work.

Any amounts resulting from fuel adjustment will not be included in the total cost of work for determination of progress or for extension of contract time.

$\underline{\mathbf{x}}$ I elect to use this provision	Date: August 29, 2017
I elect not to use this provision	Signature: Granite/Parsons/Corman, Design builder: a Joint Venture (GPC)
	Vendor No.: JV078



4.8.5 - Proposal Guaranty Form (C-24)

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION PROPOSAL GUARANTY

KNOW ALL MEN BY THESE PE principal, and Travelers Casualty Commonwealth of Virginia as ob BID, lawful money of the United bind ourselves, our heirs, execut by these presents.	and Surety Company of A ligee, in the amount of F States of America, for the	merica, So FIVE PERO ne paymen	urety, are CENT OF nt of whicl	THE DOLLAF n, well and tru	/ bound un R VALUE (ly to be ma	of the DF THE ade, we
SIGNED, sealed and dated this	29th		Day of	August	, 20	_17
WHEREAS, the above said prince PROJECT NUMBER: 0064-131						
By: / Execut	proposal and shall with contract and give bond otherwise to remain in the name in money between any legally contract with er; but in no event shall the three (GPC) Jigisha Desai, Vice President Desai (Seal)	in the tim for the fait full force a the amour another p he liability Traveler By: 1 Tower	e specifie thful performed effect that of the branch to pe exceed the carry to pe exceed the carry to pe	d in the Spec rmance of the and the princi- bid of the said erform the said re penal sum h and Surety Company (Surety Company (Attorney-in-Fact* artford, CT 061 (Address)	iffications a contract, the pal and suprincipal and work if the recof. If work if work if work if the recof. If work if w	after the hen this rety will and the he latter
Officer, Partner or Own	ner) (Sear)	N/A		(Surety Comp	oany)	
(Principal*)	<u></u>	19/74	(Atte	orney-in-Fact**) (Seal)	
By: #CO	Arthur C. Cox III, President	By:	N/A			
(Officer, Partner or Own		Бу	14/11	(Address)	
*Note: If the principal is a <i>joint venture</i> , e one surety to the bid bond, each surety material Electronic Bid Only: In lieu of completing Bid Bond when bidding electronically. executed and the Principal and Surety bond as shown above.	nust be named and execution sing the above section of the C By signing below the Princ are firmly bound unto the Co	hall be made contract Perf cipal is ensu	by same he formance Bo uring the id	ereon. and, the Principal entified electronia a under the same	shall file an E c bid bond } conditions o	Electronic has been
Electronic Bid Bond ID#	Company/Bidder Name			Signature and	Title	
**Attach copy of Power of Attorney						
William Control of the Control of th						



A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validit of that document.

ACKNOWLEDGMENT

ache	d, and not the truthfulness, accuracy, or validity document.		
	State of California County of Santa Cruz	_)	
	On August 29, 2017 before me	V.J. Fox, Notary Public	
		(insert name and title of the officer)	
	personally appeared Tobi Stonich		,
	subscribed to the within instrument and acknowledge	evidence to be the person(s) whose name(s) is/are wledged to me that he/she/they executed the same by his/her/their signature(s) on the instrument the ne person(s) acted, executed the instrument.	
	I certify under PENALTY OF PERJURY unde paragraph is true and correct.	the laws of the State of California that the foregoing	9
	WITNESS my hand and official seal.	V. J. FOX Commission # 2124012 Notary Public	
	Signature	Notary Public - California Santa Cruz County My Comm. Expires Sep 15, 2019 (Seal)	BAILDERAG
	V.J. Fox, Notary Public		25



POWER OF ATTORNEY

Travelers Casualty and Surety Company of America Travelers Casualty and Surety Company St. Paul Fire and Marine Insurance Company

Attorney-In-Fact No. 232494

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **Tobi Stonich**, of the City of **Watsonville**, State of **California**, their true and lawful Attorney-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

This Power of Attorney is limited to bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof for Granite Construction Incorporated and all subsidiaries and affiliates, alone or in joint venture.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this **3rd** day of **February**, **2017**.

Travelers Casualty and Surety Company of America Travelers Casualty and Surety Company St. Paul Fire and Marine Insurance Company







State of Connecticut

City of Hartford ss.

By:

Robert L. Raney, Senior Vice President

On this the **3rd** day of **February**, **2017**, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.

My Commission expires the 30th day of June, 2021



Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which will remain in full force and effect through December 31, 2018.

Kevin E. Hughes, Assistant Secretary

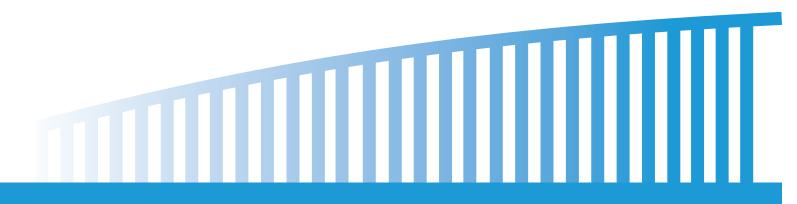
Keir & Flegher







To verify the authenticity of this Power of Attorney, call 1-800-421-3880 to contact us. Please refer to the Attorney-In-Fact number, the above-named individual and the details of the bond to which the power is attached.



4.8.6 - Sworn Statement Forms (C-104, C-105)

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION

PROJECT: 0064-131-811, R201, C501, B662-670, D637, D638

FHWA: NHPP-064-3(488)

This form must be completed, signed and returned with bid; and failure to do so may result in the rejection of your bid. THE CONTRACTOR SHALL AFFIRM THE FOLLOWING STATEMENT <u>EITHER</u> BY SIGNING THE AFFIDAVIT AND HA VING IT NOTARIZED <u>OR</u> BY SIGNING THE UNSWORN DECLARATION UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE UNITED STATES. A SEPARATE FORM MUST BE SUBMITTED BY EACH PRINCIPAL OF A JOINT VENTURE BID.

STATEMENT, In preparation and submission of this bid, I, the firm, corporation or officers, agents or employees thereof did not, either directly or indirectly, enter into any combination or arrangement with any persons, firm or corporation or enter into any agreement, participate in any collusion, or otherwise take any action in the restraint of free, competitive bidding in violation of the Sherman Act (15 U.S.C. Section 1) or Article 1.1 or Chapter 12 of Title 18.2 (Virginia Governmental Frauds Act), Sections 59.1-9.1 through 59.1-9.17 or Sections 59.1-68.6 through 59.1-68.8 of the Code of Virginia.

AFFIDAVIT

The undersigned is duly authorized by the bidder to make the foregoing statement to be filed with bids submitted on behalf of the bidder for contracts to be let by the Commonwealth Transportation Board.

Signed at Santa Cruz (Watsonville), CA	this ^{29th} day of Augus	t , 20 17
County (City), STATE	0	
Granite Construction Company		ce President
(Name of Firm)	(Signature)	Title (print)
STATE of California	COUNTY (CITY) of Santa Cr	uz (Watsonville)
	To-wit:	
Duc Van Le	, a Notary Public in a	and for the State and
County(City) aforesaid, hereby certify that this day	Jigisha Desai	
personally appeared before me and made oath tha and that such statements are true and correct.	t he is duly authorized to make the	above statements
Subscribed and sworn to before me this 29th	day of August	, 20
See Attached California Jurat	My Commission expires N	lay 22, 2021
Notary Public		
	OR	
UNSWORM	N DECLARATION	
The undersigned is duly authorized by the bidde submitted on behalf of the bidder for contracts to be	5 5	
Signed at CO/County (City), STATE	, this day of By:	, 20
Aname of Firm.	(Signature)	Title (print)

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

JURAT

STATE OF CALIFORNIA }		
COUNTY OF SANTA CRUZ }		
Subscribed and sworn to (or affi	irmed) before me on	
this 29th day of	August	, 20 <u>17</u> ,
by Jigisha Desai		
proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.		

Signature of Notary Public



Form C-105 Rev. 7-13-05

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION AFFIDAVIT

PROJECT: 0064-131-811, R201, C501, B662-670, D637, D638

NAME

FHWA: NHPP-064-3 (488)

This form must be completed, signed, notarized and returned with bid; and failure to do so, may result in the rejection of your bid. A separate form must be submitted by each principal of a joint venture bid.

I, the firm, corporation or officers, agents or employees thereof have neither directly nor
indirectly entered into any combination or arrangement with any person, firm or corporation
or entered into any agreement, participated in any collusion, or otherwise taken any action
in restraint of free competitive bidding in connection with such contract, the effect of which
is to prevent competition or increase the cost of construction or maintenance of roads or
bridges.

During the preceding twelve months, I (we) have been a member of the following Highway Contractor's Associations, as defined in Section 33.1-336 of the Code of Virginia (1970). (If none, so state).

Location of Principal Office

subject to the 11246, and the Directo contracting	e, have not _ ne equal opportunity that I/We have r of the Office of or administering a t Opportunity, all rep	clause, as req _, have not Federal Con gency, or the	uired by Executi, filed with the tract Compliance former Presid	ive Orders 10925, e joint Reporting Co e, a Federal Go ent's Committee	11114, or ommittee, vernment
	e above certification				

Regulations of the Secretary of Labor [41 CFR 60-1.7(b)(1)], and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contract or subcontracts of \$10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b) (1) prevents the award of contract and subcontract unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

(Continued)

ORDER NO.: CONTRACT ID. NO.:

Form C-105 page 2

- 3. The bidder certifies to the best of its knowledge and belief, that it and its principals:
 - (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency;
 - (b) Have not within a three year period preceding this proposal been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offence in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated above; and
 - (d) Where the bidders is unable to certify to any of the statements in this certification, the bidder shall show an explanation below.

Explanations will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any explanation noted, indicate below to whom it applies, initiating agency, and dates of action. Providing false information may result in federal criminal prosecution or administration sanctions. The bidder shall provide immediate written notice to the Department if at any time the bidder learns that its certification was erroneous when submitted or has become erroneous by reason of change circumstances.

The undersigned is duly authorized by the bidder to make the foregoing statements to be filed with bids submitted on behalf of the bidder for contracts to be let by the Commonwealth Transportation Board.

Signed at Santa Cruz (Watsonville), CA	, this ^{29th} day of August , 20	17
County (City), STATE	1 1 1	A
Granite Construction Company	By: Vice President	
(Name of Firm)	(Signature) Title (print)	
STATE of California	COUNTY (CITY) of Santa Cruz (Watsonville)	
	To-wit:	
Duc Van Le	, a Notary Public in and for the State	and
County(City) aforesaid, hereby certify that this day	y Jigisha Desai	
personally appeared before me and made oath the and that such statements are true and correct.	nat he is duly authorized to make the above statement	s
Subscribed and sworn to before me this 29th	day of August , 20 _1	7
See Attached California Jurat	My Commission expires May 22, 2021	
MATSH BURIER.		

NAME	Location of Principal Office
CalCIMA	South Pasedena, CA
NSSGA	Alexandria, VA
AGC	Arlington, VA
ARTBA	Washington DC
NAPA	Lanham, MD
Transportation California	Sacramento, CA
NSSGA AGC ARTBA NAPA	Alexandria, VA Arlington, VA Washington DC Lanham, MD

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

JURAT

STATE OF CALIFORNIA	}	
COUNTY OF SANTA CRUZ }		
Subscribed and sworn to (or affi	irmed) before me on	
this <u>29th</u> day of	August	, 20_ <u>17</u> ,
by Jigisha Desai		
proved to me on the basis of satisfactory evidence to be the person(s) who appeared before me.		

Signature of Notary Public



COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION

PROJECT: 0064-131-811, R201, C501, B662-670, D637, D638

FHWA: NHPP-064-3(488)

This form must be completed, signed and returned with bid; and failure to do so may result in the rejection of your bid. THE CONTRACTOR SHALL AFFIRM THE FOLLOWING STATEMENT <u>EITHER</u> BY SIGNING THE AFFIDAVIT AND HA VING IT NOTARIZED <u>OR</u> BY SIGNING THE UNSWORN DECLARATION UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE UNITED STATES. A SEPARATE FORM MUST BE SUBMITTED BY EACH PRINCIPAL OF A JOINT VENTURE BID.

STATEMENT, In preparation and submission of this bid, I, the firm, corporation or officers, agents or employees thereof did not, either directly or indirectly, enter into any combination or arrangement with any persons, firm or corporation or enter into any agreement, participate in any collusion, or otherwise take any action in the restraint of free, competitive bidding in violation of the Sherman Act (15 U.S.C. Section 1) or Article 1.1 or Chapter 12 of Title 18.2 (Virginia Governmental Frauds Act), Sections 59.1-9.1 through 59.1-9.17 or Sections 59.1-68.6 through 59.1-68.8 of the Code of Virginia.

AFFIDAVIT

The undersigned is duly authorized by the bidder to ma submitted on behalf of the bidder for contracts to be let by	
Signed at Westchester (Tarrytown), NY County (City), STATE	this 30th day of August , 20 17
Parsons Construction Group Inc. By:	Executive Vice President
(Name of Firm)	(Signature) Title (print)
STATE of New York COU	JNTY (CITY) of Westchester (Tarrytown)
To-wit:	
Judith Boozer	, a Notary Public in and for the State and
County(City) aforesaid, hereby certify that this day Ran	dy Schultz, PE
personally appeared before me and made oath that he is d and that such statements are true and correct.	uly authorized to make the above statements
Subscribed and sworn to before me this 30th d	ay of August , 20 17 My Commission expires 2/13/20
NOTARY PUBLIC, STATE OF NEW YORK Registration No. 01B06255871 Outlified in Westchester County	ARATION
The Gridersigned is duly authorized by the bidder to ma submitted on behalf of the bidder for contracts to be let by the submitted on behalf of the bidder for contracts to be let by th	ke the foregoing statement to be filed with bids the Commonwealth Transportation Board.
Signed at County (City), STATE	, this , 20
By:	
(Name of Firm)	(Signature) Title (print)

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION AFFIDAVIT

PROJECT: 0064-131-811, R201, C501, B662-670, D637, D638

NAME

FHWA: NHPP-064-3(488)

VCTA

This form must be completed, signed, notarized and returned with bid; and failure to do so, may result in the rejection of your bid. A separate form must be submitted by each principal of a joint venture bid.

I, the firm, corporation or officers, agents or employees thereof have neither directly nor
indirectly entered into any combination or arrangement with any person, firm or corporation
or entered into any agreement, participated in any collusion, or otherwise taken any action
in restraint of free competitive bidding in connection with such contract, the effect of which
is to prevent competition or increase the cost of construction or maintenance of roads or
bridges.

During the preceding twelve months, I (we) have been a member of the following Highway Contractor's Associations, as defined in Section 33.1-336 of the Code of Virginia (1970). (If none, so state).

Richmond, VA

Location of Principal Office

	ARBTA	Washington DC
2.		participated in a previous contract or subcontract e, as required by Executive Orders 10925, 11114, or
	the Director of the Office of Fede	e not, filed with the joint Reporting Committee, ral Contract Compliance, a Federal Government, or the former President's Committee on Equal

Employment Opportunity, all reports due under the applicable filing requirements.

<u>Note:</u> The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor [41 CFR 60-1.7(b)(1)], and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contract or subcontracts of \$10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b) (1) prevents the award of contract and subcontract unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

(Continued)

ORDER NO.: CONTRACT ID. NO.:

Form C-105 page 2

- 3. The bidder certifies to the best of its knowledge and belief, that it and its principals:
 - (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency;
 - (b) Have not within a three year period preceding this proposal been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offence in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated above; and
 - (d) Where the bidders is unable to certify to any of the statements in this certification, the bidder shall show an explanation below.

Explanations will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any explanation noted, indicate below to whom it applies, initiating agency, and dates of action. Providing false information may result in federal criminal prosecution or administration sanctions. The bidder shall provide immediate written notice to the Department if at any time the bidder learns that its certification was erroneous when submitted or has become erroneous by reason of change circumstances.

The undersigned is duly authorized by the bidder to make the foregoing statements to be filed with

bids submitted on behalf of the bidder for contracts to be let by the Commonwealth Transportation Board. Signed at Westchester (Tarrytown), NY 30th day of August this County (City), STATE Parsons Construction Group Inc. Executive Vice President By: (Name of Firm) (Signature) Title (print) STATE of New York COUNTY (CITY) of Westchester (Tarrytown) To-wit: Judith Boozer a Notary Public in and for the State and County(City) aforesaid, hereby certify that this day Randy Schultz, PE personally appeared before me and made oath that he is duly authorized to make the above statements and that such statements are true and correct. Subscribed and sworn to before me this 30th day of August My Commission expires Notary Public Judith G. Boozer NOTARY PUBLIC, STATE OF NEW YORK

Registration No. 01BO6255871 Qualified in Westchester County Commission Expires Feb. 13, 2016

Title (print)

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION

PROJECT: 0064-131-811, P101, R201, C501, B662-B670, D637, D638

FHWA: NHPP-064-3(488)

This form must be completed, signed and returned with bid; and failure to do so may result in the rejection of your bid. THE CONTRACTOR SHALL AFFIRM THE FOLLOWING STATEMENT EITHER BY SIGNING THE AFFIDAVIT AND HA VING IT NOTARIZED OR BY SIGNING THE UNSWORN DECLARATION UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE UNITED STATES. A SEPARATE FORM MUST BE SUBMITTED BY EACH PRINCIPAL OF A JOINT VENTURE BID.

STATEMENT, In preparation and submission of this bid, I, the firm, corporation or officers, agents or employees thereof did not, either directly or indirectly, enter into any combination or arrangement with any persons, firm or corporation or enter into any agreement, participate in any collusion, or otherwise take any action in the restraint of free, competitive bidding in violation of the Sherman Act (15 U.S.C. Section 1) or Article 1.1 or Chapter 12 of Title 18.2 (Virginia Governmental Frauds Act), Sections 59.1-9.1 through 59.1-9.17 or Sections 59.1-68.6 through 59.1-68.8 of the Code of Virginia.

AFFIDAVIT

The undersigned is duly authorized by the bidder to make the foregoing statement to be filed with bids submitted on behalf of the bidder for contracts to be let by the Commonwealth Transportation Board.

	Signed at Anne Arundel, Annapolis Junction, MD County (City), STATE	, this 20th day of Jul	y , 20 <u>17</u>
-	Corman Construction, Inc.	y:	President
	(Name of Firm) STATE of Maryland	(Signature) COUNTY (CITY) of Anne	Title (print) Arundel, Annapolis Jnt
		To-wit:	,
	Bonnie Hulme		in and for the State and
	County(City) aforesaid, hereby certify that this day	Arthur C. Cox, III	
	personally appeared before me and made oath that and that such statements are true and correct.	he is duly authorized to make t	he above statements
-	Subscribed and sworn to before me this 20th	day of July	, 20 17
Ú	Notary Public	My Commission expires	May 18, 2019
	35/750/45063 ₹ 7.16	OR	
	UNSWORN	DECLARATION	
	The undersigned is duly authorized by the bidder submitted on behalf of the bidder for contracts to be	to make the foregoing statem let by the Commonwealth Tran	nent to be filed with bids asportation Board.
	Signed atCounty (City), STATE	, this day of	, 20
_	В	y:	
	(Name of Firm)	(Signature)	Title (print)

COMMONWEALTH OF VIRGINIA DEPARTMENT OF TRANSPORTATION AFFIDAVIT

PROJECT: 0064-131-811, P101, R201, C501, B662-B670, D637, D638

FHWA: NHPP-064-3 (488)

This form must be completed, signed, notarized and returned with bid; and failure to do so, may result in the rejection of your bid. A separate form must be submitted by each principal of a joint venture bid.

I, the firm, corporation or officers, agents or employees thereof have neither directly nor
indirectly entered into any combination or arrangement with any person, firm or corporation
or entered into any agreement, participated in any collusion, or otherwise taken any action
in restraint of free competitive bidding in connection with such contract, the effect of which
is to prevent competition or increase the cost of construction or maintenance of roads or
bridges.

During the preceding twelve months, I (we) have been a member of the following Highway Contractor's Associations, as defined in Section 33.1-336 of the Code of Virginia (1970). (If none, so state).

	NAME	Location of Principal Office
	VTCA	Richmond, VA
	ARTBA	Washington, DC
	МТВМА	Glen Burnie, MD
2.	subject to the equal opportunity clau 11246, and that I/We have <u>√</u> , ha the Director of the Office of Fed contracting or administering agend	, participated in a previous contract or subcontract use, as required by Executive Orders 10925, 11114, or eave not, filed with the joint Reporting Committee, deral Contract Compliance, a Federal Government by, or the former President's Committee on Equal due under the applicable filing requirements.
		s required by the Equal Employment Opportunity

Regulations of the Secretary of Labor [41 CFR 60-1.7(b)(1)], and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contract or subcontracts of \$10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b) (1) prevents the award of contract and subcontract unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

(Continued)

ORDER NO.: CONTRACT ID. NO.:

Form C-105 page 2

- 3. The bidder certifies to the best of its knowledge and belief, that it and its principals:
 - (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency;
 - (b) Have not within a three year period preceding this proposal been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offence in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated above; and
 - (d) Where the bidders is unable to certify to any of the statements in this certification, the bidder shall show an explanation below.

Explanations will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any explanation noted, indicate below to whom it applies, initiating agency, and dates of action. Providing false information may result in federal criminal prosecution or administration sanctions. The bidder shall provide immediate written notice to the Department if at any time the bidder learns that its certification was erroneous when submitted or has become erroneous by reason of change circumstances.

The undersigned is duly authorized by the bidder to make the foregoing statements to be filed with bids submitted on behalf of the bidder for contracts to be let by the Commonwealth Transportation Board.

Signed at Anne Arundel, Annapolis Junction, MD	, this 20 day of July , 20 17
County (City), STATE	
Corman Construction, Inc. By	: President
(Name of Firm)	(Signature) Title (print)
STATE of Maryland	COUNTY (CITY) of Anne Arundel, Annapolis Jnt
	o-wit:
Bonnie Hulme	, a Notary Public in and for the State and
County(City) aforesaid, hereby certify that this day	Arthur C. Cox, III
personally appeared before me and made oath that hand that such statements are true and correct.	e is duly authorized to make the above statements
Subscribed and sworn to before me this 20th	day of July , 20 17
J Dune Filme	My Commission expires May 19, 2018
Notary Public	



