

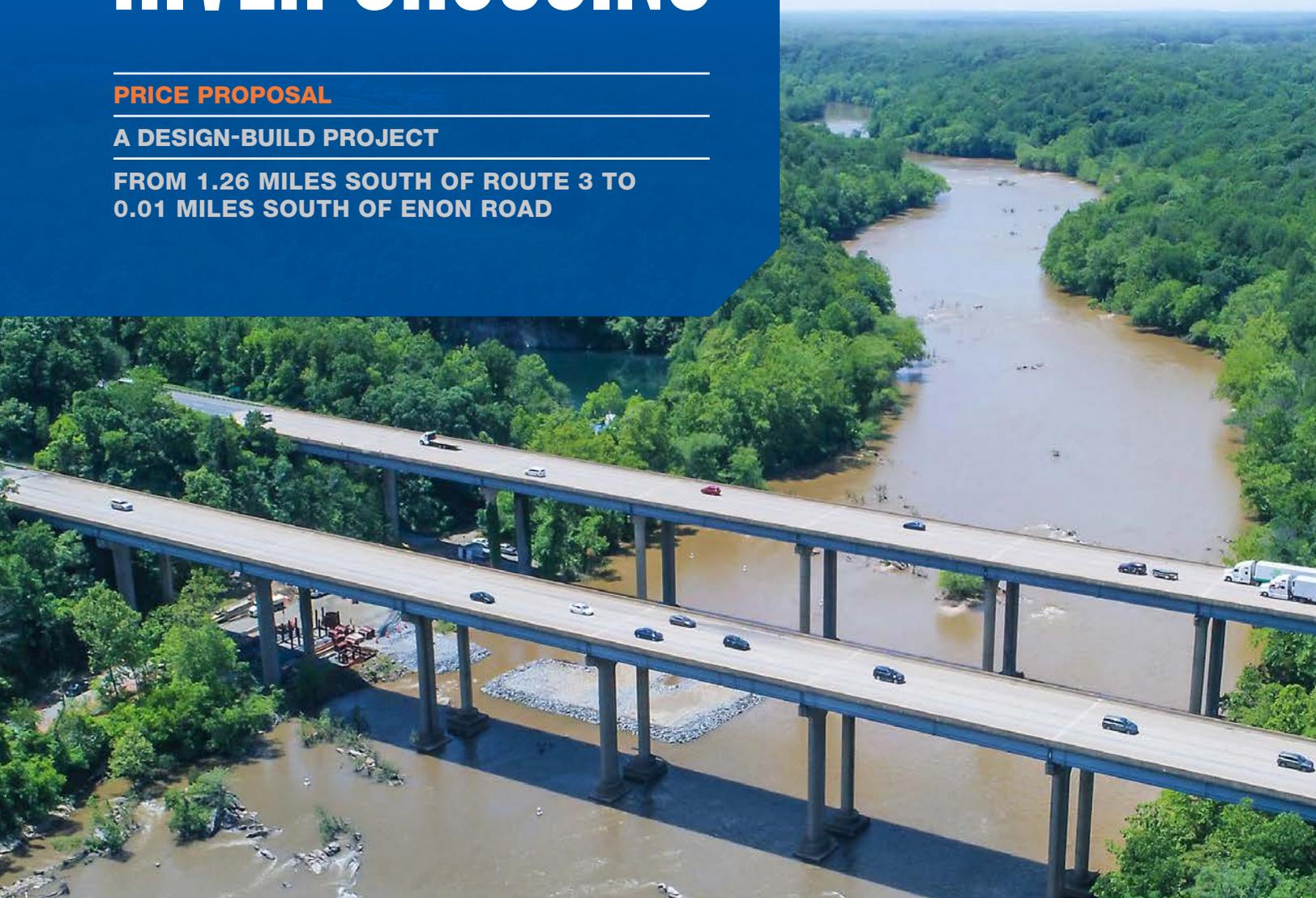
I-95 NORTHBOUND

# RAPPAHANNOCK RIVER CROSSING

PRICE PROPOSAL

A DESIGN-BUILD PROJECT

FROM 1.26 MILES SOUTH OF ROUTE 3 TO  
0.01 MILES SOUTH OF ENON ROAD



STATE PROJECT No. 0095-111-270 | FEDERAL PROJECT No. NHP-095-2(545) | CONTRACT ID No. C00105510DB106



BRANCH - FLATIRON  
JOINT VENTURE



# PRICE PROPOSAL CHECKLIST



**ATTACHMENT 4.0.1.2**

**DESIGN-BUILD PRICE PROPOSAL  
CHECKLIST**

**Project Name: I-95 Northbound Rappahannock River Crossing  
Contract ID Number: C00105510DB106**

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➤ **Contents of Price Proposal:**

- Latest Attachment 3.7 Form C-78**
- Base Scope, Option #1, Option #2, and Option #3 Cost Breakdown Summary in whole numbers and the Proposal Price, in both numbers and words (Attachment 4.87.1)**
- Schedule of Items itemized for Base Scope, Option #1, Option #2, and Option #3 in accordance with Part 1, Section 4.87.2, including material quantities and costs of each proposed work package**
- Proposed Monthly Payment Schedule for Base Scope, Option #1, Option #2, and Option #3 showing the anticipated schedule on which funds will be required and associated value of work in accordance with Part 1, Section 4.87.3**
- Price Adjustment Information and Forms for Fuel and Asphalt, for Base Scope, Option #1, Option #2, and Option #3 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 for the Base Scope, Option #1, Option #2, and Option #3**
- Sworn Statement Forms (C-104, C-105, Attachments 4.87.6(a) and 4.87.6(b))**
- CD-ROM containing the entire Price Proposal in a single cohesive Adobe PDF file**

# FORM C-78-RFP



**ATTACHMENT 3.7**

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

RFP NO. C00105510DB106  
PROJECT NO.: 0095-111-270

**ACKNOWLEDGEMENT OF RFP, REVISION AND/OR ADDENDA**

Acknowledgement shall be made of receipt of the Request for Proposals (RFP) and/or any and all revisions and/or addenda pertaining to the above designated project which are issued by the Department prior to the Letter of Submittal submission date shown herein. Failure to include this acknowledgement in the Letter of Submittal may result in the rejection of your proposal.

By signing this Attachment 3.7, the Offeror acknowledges receipt of the RFP and/or following revisions and/or addenda to the RFP for the above designated project which were issued under cover letter(s) of the date(s) shown hereon:

- 1. Cover letter of RFP – September 19, 2019
- 2. Cover letter of RFP Addendum #1 – October 16, 2019
- 3. Cover letter of RFP Addendum #2 – November 8, 2019
- 4. Cover letter of RFP Addendum #3 – November 22, 2019
- 5. Cover letter of RFP Addendum #4 – December 20, 2019
- 6. Cover letter of RFP Addendum #5 – January 17, 2020
- 7. Cover letter of RFP Addendum #6 – February 6, 2020
- 8. Cover letter of RFP Addendum #7 – February 28, 2020
- 9. Cover letter of RFP Addendum #8 – March 4, 2020
- 10. Cover letter of RFP Addendum #9 – March 9, 2020
- 11. Cover letter of RFP Addendum #10 – March 12, 2020
- 12. Cover letter of RFP Addendum #11 – March 26, 2020
- 13. Cover letter of RFP Addendum #12 – April 02, 2020



SIGNATURE

April 10, 2020

DATE

Jason Hoyle

PRINTED NAME

Vice President, Branch Civil, Inc.  
Signatory for the Branch-Flatiron Joint Venture

TITLE

# 4.7.1 COST BREAKDOWN SUMMARY



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**ATTACHMENT 4.7.1**

**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;

A. Base Scope

Design Services, LS	\$ <u>17,000,000.00</u>
Construction Services (exclude QA/QC), LS	\$ <u>171,662,330.00</u>
Quality Assurance (QA) (Construction), LS	\$ <u>5,000,000.00</u>
Quality Control (QC) (Construction), LS	\$ <u>10,000,000.00</u>
Base Scope - Subtotal	\$ <u>203,662,330.00</u>

B. Option #1

Design Services, LS	\$ <u>700,000.00</u>
Construction Services (exclude QA/QC), LS	\$ <u>4,344,234.00</u>
Quality Assurance (QA) (Construction), LS	\$ <u>125,000.00</u>
Quality Control (QC) (Construction), LS	\$ <u>75,000.00</u>
Option #1 - Subtotal	\$ <u>5,244,234.00</u>

C. Option #2

Design Services, LS	\$ <u>950,000.00</u>
Construction Services (exclude QA/QC), LS	\$ <u>5,886,288.00</u>
Quality Assurance (QA) (Construction), LS	\$ <u>250,000.00</u>
Quality Control (QC) (Construction), LS	\$ <u>385,000.00</u>
Option #2 - Subtotal	\$ <u>7,471,288.00</u>

D. Option #3

<u>Design Services, LS</u>	<u>\$</u>	<u>81,400.00</u>
<u>Construction Services (exclude QA/QC), LS</u>	<u>\$</u>	<u>900,748.00</u>
<u>Quality Assurance (QA) (Construction), LS</u>	<u>\$</u>	<u>125,000.00</u>
<u>Quality Control (QC) (Construction), LS</u>	<u>\$</u>	<u>15,000.00</u>
<u>Option #2 - Subtotal</u>	<u>\$</u>	<u>1,122,148.00</u>

Total Proposal Price (Base Scope Subtotal + Option #1 Subtotal + Option #2 Subtotal + Option #3 Subtotal); (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): Two Hundred Seventeen Million, Five Hundred Thousand dollars and  
Zero Cents (\$ 217,500,000.00 )

Signature:  Date: 4/10/20

Design-Builder: Branch-Flatiron Joint Venture

Vendor No.: JV096

# 4.7.2 SCHEDULE OF ITEMS



**Attachment 4.7.2 (a)**

**State Project 0095-111-270**

**I-95 Northbound Rappahannock River Crossing  
Base Scope 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: 4/10/2020

VDOT Item Code <sup>1</sup>	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units <sup>1</sup>	Budgeted Cost (\$)
25591	DESIGN SERVICES		1	LS	\$ 17,000,000.00
25593	QUALITY ASSURANCE (QA)		1	LS	\$ 5,000,000.00
25595	QUALITY CONTROL (QC)		1	LS	\$ 10,000,000.00
25575	PROJECT MANAGEMENT		1	LS	\$ 19,000,000.00
85130	BONDS AND INSURANCES		1	LS	\$ 17,000,000.00
00100	MOBILIZATION		1	LS	\$ 9,800,000.00
00101	CONSTRUCTION SURVEYING		1	LS	\$ 2,743,657.00
25565	PROGRESS SCHEDULE BASELINE		1	LS	\$ 300,000.00
25567	PROGRESS SCHEDULE UPDATES		50	EA	\$ 200,000.00
25596	PROJECT STAKEHOLDER AND PUBLIC OUTREACH		1	LS	\$ 500,000.00
25597	ENVIRONMENTAL MITIGATION		1	LS	\$ 647,000.00
70093	RIGHT OF WAY ACQUISITION SERVICES		1	LS	\$ 475,000.00
00099	UTILITY RELOCATIONS		1	LS	\$ 850,000.00
00110	CLEARING AND GRUBBING		1	LS	\$ 892,000.00
24430	DEMOLITION OF PAVEMENT (FLEXIBLE)		21,095	SY	\$ 632,850.00
68576	SAWCUTTING		12,779	LF	\$ 38,337.00
24600	REMOVE EXISTING GUARDRAIL		23,739	LF	\$ 71,217.00
24602	NS REMOVE EXIST. FENCE		9,149	LF	\$ 91,490.00
27275	CONSTRUCTION ENTRANCE		29	EA	\$ 435,000.00
27505	TEMP. SILT FENCE TYPE A		108,135	LF	\$ 432,540.00
27461	SUPER SILT FENCE		500	LF	\$ 3,875.00
27410	CHECK DAM(ROCK) TY. I		64	EA	\$ 43,648.00
27451	INLET PROTECTION , TYPE A		26	EA	\$ 10,036.00
27504	INLET PROTECTION , TYPE B		33	EA	\$ 16,533.00
09250	TEMPORARY SLOPE DRAIN		2,500	LF	\$ 60,000.00
27340	TEMP. DIVERSION CHANNEL EXCAVATION		1,919	LF	\$ 19,190.00
27340	PERMANENT DIVERSION CHANNEL		420	LF	\$ 4,095.00
27319	ROLLED EROSION CTRL PRODUCT EC-2 TYPE 2		23,651	SY	\$ 70,953.00
66127	RIP RAP CL1		156	TN	\$ 14,196.00
27580	TEMP. SEDIMENT TRAPS		28	EA	\$ 31,192.00
27580	DEWATERING BASIN		10	EA	\$ 10,390.00
25570	EROSION CONTROL MAINTENANCE		1	LS	\$ 3,000,000.00
00120	REGULAR EXCAVATION	F	321,356	CY	\$ 14,461,020.00
00140	BORROW EXCAVATION	F	55,561	CY	\$ 2,333,562.00
27013	TOPSOIL CLASS A		19,007	CY	\$ 361,133.00
27545	STORM WATER MAN. BASIN EXCAVATION		20,323	CY	\$ 1,016,150.00
85003	UNDERCUT EXCAVATION		2,900	CY	\$ 321,900.00
10027	SOIL MANIPULATION		121,775	SY	\$ 1,826,625.00
00200	SETTLEMENT PLATE		1	EA	\$ 5,000.00
01156	STORM SEWER PIPE 15"		1,790	LF	\$ 177,210.00
01186	STORM SEWER PIPE 18"		6,656	LF	\$ 792,064.00
01246	STORM SEWER PIPE 24"		7,143	LF	\$ 1,114,308.00
01306	STORM SEWER PIPE 30"		1,425	LF	\$ 304,950.00
01366	STORM SEWER PIPE 36"		129	LF	\$ 30,444.00
01426	STORM SEWER PIPE 42"		195	LF	\$ 60,840.00

**Attachment 4.7.2 (a)**

**State Project 0095-111-270**

**I-95 Northbound Rappahannock River Crossing  
Base Scope 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:** 4/10/2020

<b>VDOT Item Code <sup>1</sup></b>	<b>Item Description</b>	<b>Fuel (F) or Price (P) Adjustment</b>	<b>Approximate Quantity</b>	<b>Units<sup>1</sup></b>	<b>Budgeted Cost (\$)</b>
06181	18" END SECTION ES-1		3	EA	\$ 4,968.00
06241	24" END SECTION ES-1		8	EA	\$ 14,648.00
06301	30" END SECTION ES-1		2	EA	\$ 6,306.00
06745	DROP INLET DI-2A		5	EA	\$ 42,570.00
06818	DROP INLET DI-3B,L=6'		2	EA	\$ 16,176.00
06819	DROP INLET DI-3B,L=8'		1	EA	\$ 8,442.00
08188	DROP INLET DI-10H TY.I,L=6		2	EA	\$ 16,690.00
08240	DROP INLET DI-10J TY. I		2	EA	\$ 23,600.00
08260	DROP INLET DI-10K TY. II,L=4'		5	EA	\$ 59,000.00
08262	DROP INLET DI-10K TY. II,L=8'		12	EA	\$ 141,600.00
08263	DROP INLET DI-10K TY. II,L=10'		1	EA	\$ 11,800.00
08264	DROP INLET DI-10K TY. II,L=11'		1	EA	\$ 11,800.00
08270	DROP INLET DI-10K TY. III,L=4'		14	EA	\$ 111,216.00
08271	DROP INLET DI-10K TY. III,L=6'		16	EA	\$ 127,104.00
08272	DROP INLET DI-10K TY. III,L=8'		6	EA	\$ 47,664.00
08273	DROP INLET DI-10K TY. III,L=10'		7	EA	\$ 55,608.00
08274	DROP INLET DI-10K TY. III,L=12'		1	EA	\$ 7,946.00
08281	DROP INLET DI-10L TY. III,L=8'		6	EA	\$ 48,180.00
07506	DROP INLET DI-5		36	EA	\$ 309,960.00
07508	DROP INLET DI-7		2	EA	\$ 15,430.00
07510	DROP INLET DI-7A		3	EA	\$ 29,688.00
09056	MANHOLE MH-1 OR 2		33	EA	\$ 343,200.00
09057	FRAME & COVER MH-1		33	EA	\$ 38,148.00
27550	SWM-1		5	EA	\$ 103,500.00
06241	24" END SECTION ES-1		9	EA	\$ 12,780.00
06361	36" END SECTION ES-1		1	EA	\$ 2,892.00
00596	ENDWALL 30"		1	EA	\$ 5,036.00
00596	ENDWALL 42"		2	EA	\$ 26,800.00
08990	CONNECT TO EXISTING STRUCTURE		9	EA	\$ 52,947.00
00588	UNDERDRAIN UD-4		65,955	LF	\$ 791,460.00
00580	UNDERDRAIN UD-1		1,160	LF	\$ 32,480.00
00588	CONNECT TO EX UD		10	EA	\$ 1,870.00
24535	ADJUST EXISTING MH		3	EA	\$ 15,726.00
00522	CONC. CL. A4 BOX CULVERT		34	LF	\$ 360,400.00
00592	COMB. UNDERDRAIN CD-1&2		2,217	LF	\$ 73,161.00
00595	OUTLET PIPE		2,700	LF	\$ 81,000.00
00596	ENDWALL EW-12		135	EA	\$ 107,865.00
02090	CLEAN OUT EXISTING PIPES		6,166	LF	\$ 172,648.00
02090	REPAIR EXISTING PIPES		1,855	LF	\$ 57,505.00
02090	REMOVE EXISTING PIPES		355	LF	\$ 14,200.00
12600	STD. COMB. CURB & GUTTER CG-6		900	LF	\$ 33,300.00
12610	RADIAL COMB. CURB & GUTTER CG-6		336	LF	\$ 12,432.00
12030	STD. CURB CG-3		504	LF	\$ 17,640.00
13220	HYDRAULIC CEMENT CONC. SIDEWALK 4"		97	SY	\$ 5,626.00
13108	CG-12 DETECTABLE WARNING SURFACE		7	SY	\$ 4,025.00

**Attachment 4.7.2 (a)**

**State Project 0095-111-270**

**I-95 Northbound Rappahannock River Crossing  
Base Scope 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: 4/10/2020

VDOT Item Code <sup>1</sup>	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units <sup>1</sup>	Budgeted Cost (\$)
13460	MEDIAN BARRIER MB-7D		30	LF	\$ 3,540.00
13461	MEDIAN BARRIER MB-7E		1,256	LF	\$ 396,896.00
13462	MEDIAN BARRIER MB-7F		9,788	LF	\$ 1,517,140.00
13485	MEDIAN BARRIER MB-8 TYPE I		3,850	LF	\$ 1,282,050.00
65710	PIER PROTECTION BARRIER		463	LF	\$ 283,819.00
21020	MEDIAN STRIP MS-1		1,931	LF	\$ 281,926.00
09185	PAVED DITCH PG-2A		1,313	SY	\$ 131,300.00
13479	DI-10 BARRIER & THROAT SECTION 32"		50	EA	\$ 383,250.00
13479	DI-10 BARRIER & THROAT SECTION VARIABLE		20	EA	\$ 183,960.00
10013	CEM.STAB.AGGR.MATL.NO. 21A (4%)		62,303	TON	\$ 2,616,726.00
10100	AGGR. BASE MATL. TY. I NO. 21B		25,427	TON	\$ 1,067,934.00
10609	ASPHALT CONC. TY. SM-12.5E	F, P	28,610	TON	\$ 3,147,100.00
10611	ASPHALT CONC. TY. IM-19.0D	F, P	31,323	TON	\$ 3,132,300.00
10642	ASPH. CONC. TY. BM-25.0A	F, P	84,845	TON	\$ 7,211,825.00
10628	FLEXIBLE PAVEMENT PLANING 0"-2"		82,500	SY	\$ 412,500.00
10700	RUMBLE STRIP, ASPHALT		62,645	LF	\$ 125,290.00
13280	GUARDRAIL GR-MGS1		30,940	LF	\$ 804,440.00
13281	GUARDRAIL GR-MGS1A		418	LF	\$ 16,302.00
13286	GUARDRAIL TERMINAL GR-MGS2		26	EA	\$ 100,646.00
13287	GUARDRAIL END ANCHORAGE GR-MGS3		28	EA	\$ 39,032.00
13288	GUARDRAIL HEIGHT TRANSITION GR-MGS4		15	EA	\$ 11,610.00
13392	FIXED OBJECT ATTACH. GR-FOA-2 TY.I		10	EA	\$ 34,070.00
13393	FIXED OBJECT ATTACH. GR-FOA-2 TY.II		4	EA	\$ 3,096.00
13394	FIXED OBJECT ATTACH. GR-FOA-5		13	EA	\$ 60,385.00
13607	IMPACT ATTEN. STD. IA-1, TL-3>=40 MPH DES.SP.		4	EA	\$ 181,200.00
13570	NS RETAINING STRUCTURE (RETAINING WALL NO 1)		9,197	SF	\$ 2,841,873.00
13570	NS RETAINING STRUCTURE (RETAINING WALL NO 2)		21,044	SF	\$ 3,956,272.00
13540	CONCRETE CLASS A3 RETAINING WALL		891	LF	\$ 784,971.00
13545	REINFORCING STEEL		68,225	LB	\$ 136,450.00
64032	GEOCOMPOSITE WALL DRAIN		1,000	SY	\$ 24,000.00
65704	CONCRETE PARAPET 42"		2,850	LF	\$ 969,000.00
13754	SOUND BARRIER WALL REFLECTIVE		34,625	SF	\$ 2,527,625.00
25003	HANDRAIL HR-1 TYPE II		1,825	LF	\$ 323,025.00
22501	FENCE FE-W1		9,581	LF	\$ 134,134.00
22643	FENCE FE-CL		704	LF	\$ 20,416.00
27102	REGULAR SEED		7,594	LB	\$ 129,098.00
27103	OVERSEEDING		6,075	LB	\$ 36,450.00
27104	LEGUME SEED		344	LB	\$ 11,352.00
27250	LIME		380	TON	\$ 177,460.00
27112	HYDRAULIC EROSION CONTROL PRODUCT TYPE 3		169,400	SY	\$ 110,110.00
27284	EROSION CONTROL MULCH		120	CY	\$ 750.00
27101	TEMPORARY SEEDING		6,000	LB	\$ 126,000.00
27215	FERTILIZER 15-30-15		13,755	LB	\$ 13,755.00
27230	FERTILIZER N-EL		6,000	LB	\$ 18,000.00
27231	FERTILIZER P		9,000	LB	\$ 27,000.00

**Attachment 4.7.2 (a)**

**State Project 0095-111-270**

**I-95 Northbound Rappahannock River Crossing  
Base Scope 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: 4/10/2020

VDOT Item Code <sup>1</sup>	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units <sup>1</sup>	Budgeted Cost (\$)
27232	FERTILIZER K		6,000	LB	\$ 18,000.00
39001	TREE PLANTINGS		62	EA	\$ 50,654.00
39002	SHRUB PLANTINGS		171	EA	\$ 17,271.00
38901	GROUND COVER PLUGS		7,625	EA	\$ 68,625.00
38903	GROUND COVER PLANTINGS		4,289	EA	\$ 107,225.00
24265	MAINTENANCE OF TRAFFIC		1	LS	\$ 7,500,000.00
54032	TYPE B CLASS I PVMT LINE MRKG 4"		20,900	LF	\$ 26,125.00
54042	TYPE B CLASS I PVMT LINE MRKG 24"		380	LF	\$ 4,940.00
54076	TY.B CL VI PAVE. LINE MARK. 6"		168,400	LF	\$ 968,300.00
54078	TY.B CL VI PAVE. LINE MARK. 12"		5,850	LF	\$ 52,650.00
54100	NS TY.B CL VI PAVE. LINE MARK. 24"		165	LF	\$ 2,970.00
54105	ERADICATION OF EXIST. LINEAR PVMT MARKING		120,000	LF	\$ 90,000.00
54106	ERADICATION OF EXIST. NONLINEAR PVMT MRKG		300	SF	\$ 225.00
54210	REMOVE EXISTING RAISED PAVE MARKERS		650	EA	\$ 39,650.00
54217	SNOW PLOW RAISED PAVE. MARKER ASPH. CONC.		960	EA	\$ 55,680.00
54574	PVMT SYMB MRKG SGL TURN ARROW TY B, CL I		8	EA	\$ 1,560.00
54575	PVMT SYMB MRKG SGL TURN ARROW TY B, CL II		9	EA	\$ 4,554.00
54392	PVMT MESSAGE MARK. ONLY TY B CL I		2	EA	\$ 1,322.00
54393	PVMT MESSAGE MARK. ONLY TY B CL II		9	EA	\$ 7,353.00
54590	PVMT SYMB MRKG LANE REDUCTION ARROW TY B, CL II		6	EA	\$ 7,938.00
52002	NS ATC 5-DOOR CABINET		2	EA	\$ 115,200.00
52002	NS ATC 5-DOOR CABINET CONC FOUNDATION		2	EA	\$ 15,564.00
51170	ELECTRICAL SERVICE SE-5		2	EA	\$ 14,786.00
52002	UPS		2	EA	\$ 39,000.00
51489	MAST ARM 64'		1	EA	\$ 11,700.00
51499	DUAL MAST ARM 70'		1	EA	\$ 27,200.00
51210	PEDESTAL POLE PF-2		1	EA	\$ 1,556.00
51240	CONCRETE FOUNDATION PF-2		1	EA	\$ 1,712.00
51184	TRAF. SIG. HEAD SEC 12" LED		29	EA	\$ 12,412.00
51185	TRAF. SIG. HEAD SEC 12" HVS BACKPLATE		29	EA	\$ 12,412.00
52403	PEDESTRIAN SIGNAL HEAD SP-8		2	EA	\$ 2,802.00
51482	SIGNAL POLE, TYPE F		6	EA	\$ 121,200.00
51238	SIGNAL POLE FOUNDATION, PF-8		6	EA	\$ 123,000.00
55190	LIGHT POLE LP-2, TYPE F		2	EA	\$ 10,894.00
55140	LIGHT POLE FOUNDATION LF-1, TYPE A		2	EA	\$ 9,338.00
56021	1" PVC CONDUIT		950	LF	\$ 18,050.00
56053	2" PVC CONDUIT		500	LF	\$ 8,000.00
56054	3" PVC CONDUIT		700	LF	\$ 11,200.00
56050	BORED CONDUIT 2"		1,650	LF	\$ 46,200.00
56205	TEST BORE		9	EA	\$ 56,025.00
55587	JUNCTION BOX JB-S2		17	EA	\$ 34,391.00
55588	JUNCTION BOX JB-S3		3	EA	\$ 7,002.00
51830	HANGER ASSEMBLY SM-3, ONE WAY		26	EA	\$ 11,128.00
51834	HANGER ASSEMBLY SMB-2, ONE WAY		6	EA	\$ 3,036.00
51487	MAST ARM 49'		1	EA	\$ 6,225.00

**Attachment 4.7.2 (a)**

**State Project 0095-111-270**

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Base Scope Schedule of Items (ver. 4-15-2014)**

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**Date:** 4/10/2020

<b>VDOT Item Code <sup>1</sup></b>	<b>Item Description</b>	<b>Fuel (F) or Price (P) Adjustment</b>	<b>Approximate Quantity</b>	<b>Units<sup>1</sup></b>	<b>Budgeted Cost (\$)</b>
51490	MAST ARM 70'		1	EA	\$ 13,600.00
51499	MAST ARM 78'		2	EA	\$ 39,000.00
50108	SIGN PANEL MAST ARM AND PED PUSH BUTTON		59	EA	\$ 6,903.00
51607	14/7 CONDUCTOR CABLE		4,700	LF	\$ 10,575.00
51602	14/4 CONDUCTOR CABLE		500	LF	\$ 1,000.00
51600	14/2 CONDUCTOR CABLE		950	LF	\$ 1,900.00
51525	EVP DETECTOR CABLE		1,100	LF	\$ 2,475.00
51540	LOOP DETECTOR AMPLIFIER		11	EA	\$ 3,421.00
51507	VIDEO DETECTION CAMERA		8	EA	\$ 93,600.00
NS	#6 AWG ELECTRICAL SERVICE CABLE		100	LF	\$ 475.00
51508	VIDEO DETECTION CABLE		350	LF	\$ 2,450.00
55126	#8 EGC LIGHTING CONDUCTOR CABLE		600	LF	\$ 900.00
NS	#6 BARE COPPER GROUNDING WIRE		800	LF	\$ 1,600.00
51198	PEDESTRIAN ACTUATION PA-2		1	EA	\$ 3,891.00
51912	LOOP SAW CUT 3/8"		800	LF	\$ 14,400.00
51913	LOOP SAW CUT 5/8"		800	LF	\$ 55,200.00
55505	NS LUMINAIRE		8	EA	\$ 11,208.00
55179	NS LUMINAIRE ARM		4	EA	\$ 7,780.00
56055	4" PVC CONDUIT		50	LF	\$ 800.00
56052	BORED CONDUIT 4"		1,800	LF	\$ 55,800.00
NS	PRE-EMPTION		7	EA	\$ 32,137.00
50974	SITE SIGNS		1	LS	\$ 3,500,000.00
51965	ITS		1	LS	\$ 1,300,000.00
40013	DESIGN BUILD UTILITIES OVERSIGHT		1	EA	\$ 750,000.00
41101	RELOCATE EXISTING 12" WATER MAIN		440	LF	\$ 131,560.00
41101	RELOCATE EXISTING 14" WATER MAIN		1,570	LF	\$ 1,172,790.00
41101	RELOCATE EXISTING 6" WATER MAIN		275	LF	\$ 37,125.00
45584	18" SANITARY SEWER		68	LF	\$ 68,748.00
45614	42" JACKED STEEL ENCASMENT PIPE-30" WATERLINE		400	LF	\$ 1,046,800.00
42087	8" SANITARY SEWER FORCE MAIN		400	LF	\$ 111,200.00
60403	CONCRETE CLASS A3 (SUBSTR)		3,752	CY	\$ 4,126,760.00
61711	CORROSION RESISTANT REINF. STEEL CL. I		36,128	LB	\$ 108,384.00
60411	CONC. CLASS A4 MOD. LOW SHRINK		2,632	CY	\$ 2,713,592.00
61713	CORROSION RESISTANT REINF. STEEL CL. III		656,240	LB	\$ 2,789,020.00
60450	CONC. CLASS A4 BRIDGE APPR. SLAB		130	CY	\$ 96,070.00
60452	REINF. STEEL BRIDGE APPR. SLAB		22,500	LB	\$ 33,750.00
60490	BRIDGE DECK GROOVING		8,000	SY	\$ 52,000.00
60495	COVER DEPTH SURVEY		8,400	SY	\$ 10,500.00
64011	STRUCTURE EXCAVATION		3,460	CY	\$ 1,778,440.00
64015	SELECT BACKFILL ABUTMENT ZONE		4,148	TN	\$ 194,956.00
64032	GEOCOMPOSITE WALL DRAIN		609	SY	\$ 13,398.00
64036	PIPE UNDERDRAIN 6"		150	LF	\$ 2,700.00
67400	DECK DRAINAGE SYSTEM		1	LS	\$ 97,900.00
69620	COFFERDAMS		1	LS	\$ 617,000.00
69614	TEMP. CAUSEWAY		1	LS	\$ 1,335,000.00



**Attachment 4.7.2 (b)**

**State Project 0095-111-270**

**I-95 Northbound Rappahannock River Crossing**

**Option #1 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: 4/10/2020

VDOT Item Code <sup>1</sup>	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units <sup>1</sup>	Budgeted Cost (\$)
25591	DESIGN SERVICES		1	LS	\$ 700,000.00
25593	QUALITY ASSURANCE (QA)		1	LS	\$ 125,000.00
25595	QUALITY CONTROL (QC)		1	LS	\$ 75,000.00
25597	ENVIRONMENTAL MITIGATION		1	LS	\$ 75,000.00
40013	DESIGN BUILD UTILITIES OVERSIGHT		1	EA	\$ 45,900.00
00120	REGULAR EXCAVATION	F	8,755	CY	\$ 253,895.00
00110	CLEARING AND GRUBBING		1	LS	\$ 27,000.00
50108	SIGN PANEL		1,500	SF	\$ 76,500.00
50320	REMOVE EXISTING 1 POST SIGN STRUCT.		30	EA	\$ 11,400.00
50310	NS REMOVE EX OH SIGN STRUCTURE		3	EA	\$ 61,800.00
50320	REMOVE EXISTING 1 POST SIGN PANEL		10	EA	\$ 3,800.00
50328	NS REMOVE EX OH SIGN STR SIGN PANEL		6	EA	\$ 15,474.00
50342	RELOCATE EXIST. 2 POST GROUND MOUNT SIGN PANEL		1	EA	\$ 3,118.00
50419	VIA SIGN POST, W18 X 40		60	LF	\$ 14,040.00
50430	SIGN POST STP-1, 2" 14 GAUGE		130	LF	\$ 5,720.00
24600	REMOVE EXISTING GUARDRAIL		2,554	LF	\$ 10,216.00
24430	DEMOLITION OF PAVEMENT FLEXIBLE		1,743	SY	\$ 73,206.00
10628	FLEXIBLE PAVEMENT PLANING 0"-2"		24,278	SY	\$ 121,390.00
16360	ASPHALT CONCRETE TY. SM-12.5E	F,P	4,815	TON	\$ 529,650.00
16370	ASPHALT CONC. TY. IM-19.0D	F,P	2,961	TON	\$ 296,100.00
16390	ASPH. CONC. TY. BM-25.0A	F,P	9,068	TON	\$ 770,780.00
10123	AGGR. BASE MATL. TY. I NO. 21B		3,111	TON	\$ 205,326.00
09215	CEM.STAB.AGGR.MATL.NO. 21A (4%)		7,071	TON	\$ 353,550.00
10700	RUMBLE STRIP, ASPHALT		13,371	LF	\$ 13,371.00
01246	STORM SEWER PIPE 24"		601	LF	\$ 113,589.00
00522	CONCRETE CL A4 BOX CULVERT		5	LF	\$ 94,500.00
08185	DROP INLET DI-10G TY. 1		1	EA	\$ 7,199.00
09056	MANHOLE MH-1 OR 2		4	EA	\$ 45,200.00
27550	SWM BASIN		3	EA	\$ 160,200.00
54076	TY. B. CL VI PAVE MARK 6"		27,150	LF	\$ 135,750.00
54217	SNOW PLOW RAISED PAVE. MARKER ASPH. CONC.		210	EA	\$ 12,180.00
13280	GUARDRAIL GR-MGS1		4,500	LF	\$ 126,000.00
13286	GUARDRAIL TERMINAL GR-MGS2		1	EA	\$ 4,103.00
13287	GUARDRAIL END ANCHORAGE GR-MGS3		1	EA	\$ 1,525.00
13394	FIXED OBJECT ATTACH. GR-FOA-5		1	EA	\$ 5,033.00
27410	CHECK DAM, ROCK TY. I		12	EA	\$ 5,832.00
27415	CHECK DAM ROCK TY. II		3	EA	\$ 1,458.00
27319	ROLLED EROSION CTRL PRODUCT EC-2 TYPE 2		2,070	SY	\$ 5,175.00
27505	TEMP. SILT FENCE TYPE A		8,822	LF	\$ 39,699.00
27275	CONSTRUCTION ENTRANCE		2	EA	\$ 15,242.00
27284	EROSION CONTROL MULCH		47	CY	\$ 282.00
27112	HYDRAULIC EROSION CONTROL PRODUCT TYPE 3		14,520	SY	\$ 9,438.00
27101	TEMPORARY SEEDING		500	LB	\$ 10,500.00
27215	FERTILIZER 15-30-15		1,179	LB	\$ 1,179.00
27230	FERTILIZER N-EL		500	LB	\$ 1,500.00



**Attachment 4.7.2 (c)**

**State Project 0095-111-270**

**I-95 Northbound Rappahannock River Crossing  
Option #2 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:** 4/10/2020

VDOT Item Code <sup>1</sup>	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units <sup>1</sup>	Budgeted Cost (\$)
25591	DESIGN SERVICES		1	LS	\$ 950,000.00
25593	QUALITY ASSURANCE (QA)		1	LS	\$ 250,000.00
25595	QUALITY CONTROL (QC)		1	LS	\$ 385,000.00
25599	ENVIRONMENTAL MITIGATION		1	LS	\$ 50,000.00
40013	DESIGN BUILD UTILITIES OVERSIGHT		1	EA	\$ 45,900.00
00120	REGULAR EXCAVATION	F	6,244	CY	\$ 224,784.00
50320	REMOVE EXISTING 1 POST SIGN STRUCT.		2	EA	\$ 760.00
50322	REMOVE EXISTING 2 POST SIGN STRUCT.		2	EA	\$ 2,288.00
50310	NS REMOVE EX OH SIGN STRUCTURE		2	EA	\$ 41,200.00
50320	REMOVE EXISTING 1 POST SIGN PANEL		4	EA	\$ 1,520.00
50322	REMOVE EXISTING 2 POST SIGN PANEL		2	EA	\$ 2,288.00
NS	NS REMOVE EX OH DMS & RETURN TO OWNER		2	EA	\$ 6,438.00
13280	GUARDRAIL GR-MGS1		140	LF	\$ 6,440.00
24600	REMOVE EXISTING GUARDRAIL		109	LF	\$ 1,417.00
24430	DEMOLITION OF PAVEMENT FLEXIBLE		10,037	SY	\$ 301,110.00
16360	ASPHALT CONCRETE TY. SM-12.5E	F, P	950	TON	\$ 104,500.00
16370	ASPHALT CONC. TY. IM-19.0D	F, P	1,475	TON	\$ 147,500.00
16390	ASPH. CONC. TY. BM-25.0A	F, P	3,975	TON	\$ 337,875.00
10123	AGGR. BASE MATL. TY. I NO. 21B		1,141	TON	\$ 111,818.00
09215	CEM.STAB.AGGR.MATL.NO. 21A (4%)		2,975	TON	\$ 139,825.00
24265	MAINTENANCE OF TRAFFIC		1	LS	\$ 125,000.00
56053	2" PVC CONDUIT		200	LF	\$ 1,550.00
55060	6 CONDUCTOR CABLE		180	LF	\$ 360.00
	OVERHEIGHT DETECTION SYSTEM REMOVAL		1	LS	\$ 46,700.00
00550	NS DISM.& REM. EX. STR.		1	LS	\$ 510,000.00
25003	HANDRAIL HR-1 TYPE II		222	LF	\$ 39,294.00
60409	CONC. CLASS A4 MOD. LOW SHRINKAGE		378	CY	\$ 441,882.00
60450	CONC. CLASS A4 BRIDGE APPR. SLAB		151	CY	\$ 91,204.00
60452	REINF. STEEL BRIDGE APPR. SLAB		21,931	LB	\$ 43,862.00
60490	BRIDGE DECK GROOVING		935	SY	\$ 9,350.00
61980	BEARING DEVICE		16	EA	\$ 22,096.00
60495	COVER DEPTH SURVEY		1,020	SY	\$ 3,570.00
61208	PREST.CONC.BEAM,BULB-T 29" DEPTH +60'-70'		556	LF	\$ 197,936.00
61209	PREST.CONC.BEAM,BULB-T 29" DEPTH +70'-80'		588	LF	\$ 209,328.00
61200	ERECTION OF PRESTRESSED CONCRETE BEAM		1	LS	\$ 127,000.00
61713	CORROSION RESISTANT REINF. STEEL CL. III		74,399	LB	\$ 297,596.00
62024	CONCRETE PARAPET 42"		319	LF	\$ 101,442.00
62411	ADHESIVE BASED JOINT SEALER CLASS I, 1-1/2"		127	LF	\$ 11,557.00
64011	STRUCTURE EXCAVATION		249	CY	\$ 11,454.00
64015	SELECT BACKFILL ABUTMENT ZONE		1,386	TON	\$ 59,598.00
64101	DYNAMIC PILE TEST		3	EA	\$ 18,999.00
64112	STEEL PILES 12"		3,549	LF	\$ 354,900.00
64768	DRIVING TEST FOR 12" STEEL PILE		3	EA	\$ 5,433.00
64901	NS RETAINING STRUCTURE		3,549	SF	\$ 503,958.00
65013	CONCRETE CLASS A3		135	CY	\$ 180,495.00



**Attachment 4.7.2 (d)**

**State Project 0095-111-270**

**I-95 Northbound Rappahannock River Crossing  
Option #3 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:** 4/10/2020

<b>VDOT Item Code <sup>1</sup></b>	<b>Item Description</b>	<b>Fuel (F) or Price (P) Adjustment</b>	<b>Approximate Quantity</b>	<b>Units<sup>1</sup></b>	<b>Budgeted Cost (\$)</b>
25591	DESIGN SERVICES		1	LS	\$ 81,400.00
25593	QUALITY ASSURANCE (QA)		1	LS	\$ 125,000.00
25595	QUALITY CONTROL (QC)		1	LS	\$ 15,000.00
25599	ENVIRONMENTAL MITIGATION		1	LS	\$ 10,000.00
40013	DESIGN BUILD UTILITIES OVERSIGHT		1	EA	\$ 23,000.00
00120	REGULAR EXCAVATION	F	4,766	CY	\$ 119,150.00
13220	HYDRAULIC CEMENT CONCRETE SIDEWALK 4"		1,843	SY	\$ 106,894.00
10100	AGGR. BASE MATL. TY. I NO. 21B		447	TON	\$ 17,433.00
13460	MEDIAN BARRIER MB-7D		380	LF	\$ 44,840.00
25003	HANDRAIL HR-1 TYPE II		70	LF	\$ 12,390.00
13607	IMPACT ATTEN. STD. IA-1, TL-3>=40 MPH DES.SP.		1	EA	\$ 45,300.00
22643	FENCE FE-CL		116	LF	\$ 3,364.00
13108	CG-12 DET WARNING SURFACE		12	SY	\$ 6,900.00
01156	STORM SEWER PIPE 15"		115	LF	\$ 35,420.00
01186	STORM SEWER PIPE 18"		257	LF	\$ 58,339.00
01246	STORM SEWER PIPE 24"		70	LF	\$ 10,430.00
06181	18" END SECTION ES-1		2	LF	\$ 3,318.00
06241	24" END SECTION ES-1		2	LF	\$ 3,824.00
07506	DROP INLET DI-5		3	EA	\$ 23,595.00
06819	DROP INLET DI-3, L= 8		2	EA	\$ 15,390.00
09056	MANHOLE MH-1 OR 2		6	EA	\$ 64,800.00
56053	2" PVC CONDUIT		340	LF	\$ 5,440.00
56054	3" PVC CONDUIT		490	LF	\$ 7,840.00
56050	BORED CONDUIT 2"		212	LF	\$ 4,876.00
56052	BORED CONDUIT 4"		212	LF	\$ 4,876.00
56205	TEST BORE		8	EA	\$ 49,800.00
55587	JUNCTION BOX JB-S2		8	EA	\$ 13,696.00
50108	SIGN PANEL		13	SF	\$ 663.00
51602	14/4 CONDUCTOR CABLE		2,230	LF	\$ 4,460.00
51600	14/2 CONDUCTOR CABLE		2,230	LF	\$ 4,460.00
	#6 BARE COPPER GROUNDING WIRE		700	LF	\$ 1,400.00
51198	PEDESTRIAN ACTUATION PA-2		8	EA	\$ 31,128.00
51200	PEDESTRIAN ACTUATION PA-4		2	EA	\$ 9,338.00
55505	NS LUMINAIRE		4	EA	\$ 5,604.00
	RRFB SIGNAL HEAD		4	EA	\$ 62,400.00
51210	PEDESTAL POLE PF-2		7	EA	\$ 10,892.00
51240	CONCRETE FOUNDATION PF-2		7	EA	\$ 11,984.00
52403	PEDESTRIAN SIGNAL HEAD SP-8		8	EA	\$ 11,208.00
55190	LIGHT POLE LP-2, TYPE F		4	EA	\$ 21,788.00
55140	LIGHT POLE FOUNDATION LF-1, TYPE A		4	EA	\$ 18,676.00
27112	HYDRAULIC EROSION CONTROL PRODUCT TYPE 3		9,680	SY	\$ 6,292.00
27101	TEMPORARY SEEDING		100	LB	\$ 2,100.00
27215	FERTILIZER 15-30-15		786	LB	\$ 786.00
27230	FERTILIZER N-EL		100	LB	\$ 300.00
27231	FERTILIZER P		150	LB	\$ 450.00



# 4.7.3 PROPOSED MONTHLY PAYMENT SCHEDULE



**The I-95 Northbound Rappahannock River Crossing Project**

**State Project 0095-111-270**

**I-95 Northbound Rappahannock River Crossing**

**Base Scope**

**PROPOSED MONTHLY PAYMENT SCHEDULE**

Period Ending (Month)	Projected Monthly Total:	Projected Cumulative Total:
June 2020	\$516,915	\$516,915
July 2020	\$3,446,100	\$3,963,016
August 2020	\$3,599,607	\$7,562,622
September 2020	\$3,599,607	\$11,162,229
October 2020	\$3,599,607	\$14,761,836
November 2020	\$3,599,607	\$18,361,442
December 2020	\$8,133,332	\$26,494,774
January 2021	\$9,032,151	\$35,526,925
February 2021	\$4,745,310	\$40,272,235
March 2021	\$4,224,355	\$44,496,590
April 2021	\$4,468,287	\$48,964,877
May 2021	\$5,210,401	\$54,175,278
June 2021	\$5,355,958	\$59,531,236
July 2021	\$5,916,544	\$65,447,780
August 2021	\$4,588,492	\$70,036,272
September 2021	\$4,251,486	\$74,287,758
October 2021	\$4,440,551	\$78,728,309
November 2021	\$4,433,391	\$83,161,700
December 2021	\$4,211,311	\$87,373,011
January 2022	\$4,211,311	\$91,584,322
February 2022	\$4,211,311	\$95,795,633
March 2022	\$4,268,231	\$100,063,865
April 2022	\$4,274,556	\$104,338,421
May 2022	\$4,274,556	\$108,612,976
June 2022	\$4,274,556	\$112,887,532
July 2022	\$4,274,556	\$117,162,088
August 2022	\$4,274,556	\$121,436,644
September 2022	\$4,274,556	\$125,711,200
October 2022	\$4,274,556	\$129,985,756
November 2022	\$4,274,556	\$134,260,312
December 2022	\$4,274,556	\$138,534,867
January 2023	\$4,274,556	\$142,809,423
February 2023	\$4,274,556	\$147,083,979
March 2023	\$4,274,556	\$151,358,535
April 2023	\$4,274,556	\$155,633,091
May 2023	\$4,274,556	\$159,907,647
June 2023	\$4,274,556	\$164,182,203
July 2023	\$4,274,556	\$168,456,758
August 2023	\$4,168,959	\$172,625,717
September 2023	\$4,001,239	\$176,626,956
October 2023	\$4,001,239	\$180,628,195
November 2023	\$4,001,239	\$184,629,434
December 2023	\$3,914,713	\$188,544,148
January 2024	\$2,441,645	\$190,985,792
February 2024	\$2,441,645	\$193,427,437
March 2024	\$2,421,457	\$195,848,894
April 2024	\$1,587,477	\$197,436,371
May 2024	\$1,584,396	\$199,020,766
June 2024	\$1,185,850	\$200,206,617
July 2024	\$1,185,850	\$201,392,467
August 2024	\$1,185,850	\$202,578,317
September 2024	\$1,084,013	\$203,662,330
		\$203,662,330.00

**The I-95 Northbound Rappahannock River Crossing Project**

**State Project 0095-111-270**

**I-95 Northbound Rappahannock River Crossing**

**Option #1**

**PROPOSED MONTHLY PAYMENT SCHEDULE**

Period Ending (Month)	Projected Monthly Total:	Projected Cumulative Total:
October 2020	\$32,079	\$32,079
November 2020	\$32,079	\$64,158
December 2020	\$32,079	\$96,237
January 2021	\$32,079	\$128,316
February 2021	\$32,079	\$160,395
March 2021	\$32,079	\$192,473
April 2021	\$32,079	\$224,552
May 2021	\$32,079	\$256,631
June 2021	\$32,079	\$288,710
July 2021	\$32,079	\$320,789
August 2021	\$32,079	\$352,868
September 2021	\$32,079	\$384,947
October 2021	\$32,079	\$417,026
November 2021	\$32,079	\$449,105
December 2021	\$32,079	\$481,184
January 2022	\$32,079	\$513,262
February 2022	\$32,079	\$545,341
March 2022	\$32,079	\$577,420
April 2022	\$61,184	\$638,604
May 2022	\$390,453	\$1,029,058
June 2022	\$611,322	\$1,640,380
July 2022	\$640,313	\$2,280,693
August 2022	\$382,360	\$2,663,053
September 2022	\$156,722	\$2,819,775
October 2022	\$156,722	\$2,976,497
November 2022	\$156,722	\$3,133,219
December 2022	\$359,520	\$3,492,739
January 2023	\$362,205	\$3,854,944
February 2023	\$362,205	\$4,217,149
March 2023	\$362,205	\$4,579,354
April 2023	\$362,205	\$4,941,559
May 2023	\$302,675	\$5,244,234
		\$5,244,234.00

**The I-95 Northbound Rappahannock River Crossing Project**

**State Project 0095-111-270**

**I-95 Northbound Rappahannock River Crossing**

**Option #2**

**PROPOSED MONTHLY PAYMENT SCHEDULE**

Period Ending (Month)	Projected Monthly Total:	Projected Cumulative Total:
June 2020	\$85,906	\$85,906
July 2020	\$100,779	\$186,685
August 2020	\$100,779	\$287,464
September 2020	\$100,779	\$388,244
October 2020	\$100,779	\$489,023
November 2020	\$100,779	\$589,802
December 2020	\$100,779	\$690,582
January 2021	\$100,779	\$791,361
February 2021	\$100,779	\$892,140
March 2021	\$100,779	\$992,920
April 2021	\$100,779	\$1,093,699
May 2021	\$100,779	\$1,194,478
June 2021	\$16,236	\$1,210,714
July 2021	\$13,621	\$1,224,335
August 2021	\$15,587	\$1,239,922
September 2021	\$33,003	\$1,272,925
October 2021	\$39,760	\$1,312,685
November 2021	\$51,616	\$1,364,300
December 2021	\$55,015	\$1,419,315
January 2022	\$55,015	\$1,474,329
February 2022	\$55,015	\$1,529,344
March 2022	\$55,015	\$1,584,359
April 2022	\$76,173	\$1,660,531
May 2022	\$97,331	\$1,757,862
June 2022	\$97,331	\$1,855,193
July 2022	\$97,331	\$1,952,523
August 2022	\$97,331	\$2,049,854
September 2022	\$97,331	\$2,147,185
October 2022	\$97,331	\$2,244,515
November 2022	\$97,331	\$2,341,846
December 2022	\$97,331	\$2,439,177
January 2023	\$454,407	\$2,893,583
February 2023	\$473,200	\$3,366,783
March 2023	\$473,200	\$3,839,984
April 2023	\$473,200	\$4,313,184
May 2024	\$469,932	\$4,783,115
June 2023	\$435,896	\$5,219,011
July 2023	\$417,289	\$5,636,300
August 2023	\$417,289	\$6,053,589
September 2023	\$417,289	\$6,470,877
October 2023	\$406,443	\$6,877,321
November 2023	\$405,174	\$7,282,495
December 2023	\$85,403	\$7,367,898
January 2024	\$21,027	\$7,388,925
February 2024	\$21,027	\$7,409,952
March 2024	\$23,743	\$7,433,695
April 2024	\$24,648	\$7,458,343
May 2024	\$12,945	\$7,471,288
		\$7,471,288.00

**The I-95 Northbound Rappahannock River Crossing Project**

**State Project 0095-111-270**

**I-95 Northbound Rappahannock River Crossing**

**Option #3**

**PROPOSED MONTHLY PAYMENT SCHEDULE**

Period Ending (Month)	Projected Monthly Total:	Projected Cumulative Total:
January 2021	\$4,490	\$4,490
February 2021	\$7,484	\$11,974
March 2021	\$7,484	\$19,457
April 2021	\$7,484	\$26,941
May 2021	\$7,484	\$34,424
June 2021	\$7,484	\$41,908
July 2021	\$7,484	\$49,391
August 2021	\$7,484	\$56,875
September 2021	\$7,484	\$64,359
October 2021	\$7,484	\$71,842
November 2021	\$7,484	\$79,326
December 2021	\$7,484	\$86,809
January 2022	\$7,484	\$94,293
February 2022	\$7,484	\$101,776
March 2022	\$7,484	\$109,260
April 2022	\$7,484	\$116,744
May 2022	\$7,484	\$124,227
June 2022	\$7,484	\$131,711
July 2022	\$7,484	\$139,194
August 2022	\$7,484	\$146,678
September 2022	\$7,484	\$154,161
October 2022	\$7,484	\$161,645
November 2022	\$7,484	\$169,128
December 2022	\$7,484	\$176,612
January 2023	\$7,484	\$184,096
February 2023	\$7,484	\$191,579
March 2023	\$7,484	\$199,063
April 2023	\$7,484	\$206,546
May 2023	\$7,484	\$214,030
June 2023	\$111,670	\$325,699
July 2023	\$215,856	\$541,555
August 2023	\$215,856	\$757,411
September 2023	\$195,394	\$952,805
October 2023	\$143,851	\$1,096,655.44
November 2023	\$25,492.56	\$1,122,148.00
		\$1,122,148.00

**The I-95 Northbound Rappahannock River Crossing Project**

**State Project 0095-111-270**

**I-95 Northbound Rappahannock River Crossing**

**Base Scope, Option #1, Option #2, and Option #3**

**PROPOSED MONTHLY PAYMENT SCHEDULE**

Period Ending (Month)	Projected Monthly Total:	Projected Cumulative Total:
June 2020	\$602,821	\$602,821
July 2020	\$3,546,880	\$4,149,701
August 2020	\$3,700,386	\$7,850,087
September 2020	\$3,700,386	\$11,550,473
October 2020	\$3,732,465	\$15,282,938
November 2020	\$3,732,465	\$19,015,403
December 2020	\$8,266,190	\$27,281,593
January 2021	\$9,169,500	\$36,451,092
February 2021	\$4,885,651	\$41,336,743
March 2021	\$4,364,697	\$45,701,441
April 2021	\$4,608,629	\$50,310,069
May 2021	\$5,350,742	\$55,660,812
June 2021	\$5,411,757	\$61,072,568
July 2021	\$5,969,727	\$67,042,296
August 2021	\$4,643,641	\$71,685,937
September 2021	\$4,324,051	\$76,009,988
October 2021	\$4,519,873	\$80,529,862
November 2021	\$4,524,569	\$85,054,431
December 2021	\$4,305,888	\$89,360,319
January 2022	\$4,305,888	\$93,666,207
February 2022	\$4,305,888	\$97,972,095
March 2022	\$4,362,808	\$102,334,903
April 2022	\$4,419,396	\$106,754,300
May 2022	\$4,769,824	\$111,524,123
June 2022	\$4,990,692	\$116,514,815
July 2022	\$5,019,683	\$121,534,499
August 2022	\$4,761,730	\$126,296,229
September 2022	\$4,536,092	\$130,832,321
October 2022	\$4,536,092	\$135,368,413
November 2022	\$4,536,092	\$139,904,506
December 2022	\$4,738,890	\$144,643,395
January 2023	\$5,098,651	\$149,742,046
February 2023	\$5,117,444	\$154,859,491
March 2023	\$5,117,444	\$159,976,935
April 2023	\$5,117,444	\$165,094,379
May 2023	\$5,054,646	\$170,149,026
June 2023	\$4,822,122	\$174,971,147
July 2023	\$4,907,700	\$179,878,847
August 2023	\$4,802,103	\$184,680,951
September 2023	\$4,613,922	\$189,294,872
October 2023	\$4,551,533	\$193,846,406
November 2023	\$4,431,906	\$198,278,311
December 2023	\$4,000,117	\$202,278,428
January 2024	\$2,462,672	\$204,741,099
February 2024	\$2,462,672	\$207,203,771
March 2024	\$2,445,200	\$209,648,971
April 2024	\$1,612,125	\$211,261,096
May 2024	\$1,597,340	\$212,858,436
June 2024	\$1,185,850	\$214,044,287
July 2024	\$1,185,850	\$215,230,137
August 2024	\$1,185,850	\$216,415,987
September 2024	\$1,084,013	\$217,500,000
		\$217,500,000.00

# 4.7.4 PRICE ADJUSTMENT INFORMATION AND FORMS FOR FUEL AND ASPHALT



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**EXHIBIT 6.3(a)**  
**ADJUSTMENT FOR ASPHALT**

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

September 19, 2019

All asphalt material listed in the attached "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 Construction 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 Base Index 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)

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

*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)

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

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Adjustment of any asphalt material other than PG 64S-22 and PG 64E-22 will be based on the indexes for PG 64S-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 shall 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**

ITEM	DESCRIPTION	UNITS	SPECIFICATION
10062	Asphalt-Stab. Open-Graded Material	Ton	313
10416	Liquid Asphalt	Gal	311 312
10417	Tack Coat	Gal	310
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
10603	Asphalt Concrete Ty. SM-19.0A	Ton	315
10604	Asphalt Concrete Ty. SM-19.0D	Ton	315
10605	Asphalt Concrete Ty. SM-19.0E (64E)	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 (64E-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
10614	Asphalt Concrete Ty. IM-19.0E (64E)	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 (64E-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(64H-22)	Ton	317
10651	Stone Matrix Asphalt SMA-9.5(64E-22)	Ton	317
10652	Stone Matrix Asphalt SMA-12.5(64H-22)	Ton	317
10653	Stone Matrix Asphalt SMA-12.5(64E-22)	Ton	317
10654	Stone Matrix Asphalt SMA-19.0(64H-22)	Ton	317
10655	Stone Matrix Asphalt SMA-19.0(64E-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
16250	Liquid Asphalt Matl. CMS-2 (Mod)	Gal	ATTD
16251	Liquid Asphalt Matl. CMS-2	Gal	ATTD
16252	Liquid Asphalt Matl. CRS-2	Gal	ATTD
16253	Liquid Asphalt Matl. CRS-2H	Gal.	ATTD.
16254	Liquid Asphalt Matl. RC-250	Gal	ATTD
16256	Liquid Asphalt Matl. RC-800	Gal	ATTD
16257	Ns Liquid Asphalt Matl.	Gal	ATTD
16260	Liquid Asphalt Matl. CRS-2L	Gal	ATTD
16325	NS Asphalt Concrete	Ton	N/A
16326	Asphalt Concrete Ty. SM-4.75A	Ton	315
16327	Asphalt Concrete Ty. SM-4.75D	Ton	315
16328	Asphalt Concrete Ty. SM-4.75E	Ton	315
16330	Asphalt Concrete Ty. SM-9.0A	Ton	315
16335	Asphalt Concrete Ty. SM-9.5A	Ton	315
16337	Asph. Conc. Ty. SM-9.5ASL (Spot Level)	Ton	315
16340	Asphalt Concrete Ty. SM-9.5D	Ton	315
16342	Asph. Conc. Ty. SM-9.5DSL (Spot Level)	Ton	315
16345	Asphalt Concrete Ty. SM-9.5E (64E-22)	Ton	315
16350	Asphalt Concrete Ty. SM-12.5A	Ton	315
16352	Asph. Con. Ty. SM-12.5ASL (Spot Level)	Ton	315
16355	Asphalt Concrete Ty. SM-12.5D	Ton	315
16357	Asph. Con. Ty. SM-12.5DSL (Spot Level)	Ton	315
16360	Asphalt Concrete Ty. SM-12.5E (64E-22)	Ton	315
16364	Asphalt Concrete Ty. SM-19.0E (64E)		
16365	Asphalt Concrete Ty. IM-19.0A	Ton	315
16370	Asphalt Concrete Ty. IM-19.0D	Ton	315
16371	Asphalt Concrete Ty. IM-19.0E (64E)		
16373	Asphalt Concrete Ty. IM-19.0A (T)	Ton	315
16374	Asphalt Concrete Ty. IM-19.0D (T)	Ton	315
16377	Asphalt Concrete Ty. BM-37.5	Ton	315
16379	Asphalt Concrete Ty. IM-19.0T	Ton	315
16390	Asphalt Concrete Ty. BM-25.0A	Ton	315
16392	Asphalt Concrete Ty. BM-25.0D	Ton	315
16395	Asphalt Concrete Ty. BM-25.0A (T)	Ton	315
16397	Asphalt Concrete Ty. BM-25.0D (T)	Ton	315
16400	Stone Matrix Asphalt SMA-9.5(64H-22)	Ton	ATTD
16401	Stone Matrix Asphalt SMA-9.5(64E-22)	Ton	ATTD
16402	Stone Matrix Asphalt SMA-12.5(64H-22)	Ton	ATTD
16403	Stone Matrix Asphalt SMA-12.5(64E-22)	Ton	ATTD
16404	Stone Matrix Asphalt SMA-19.0(64H-22)	Ton	ATTD
16405	Stone Matrix Asphalt SMA-19.0(64E-22)	Ton	ATTD
16490	Hot Mix Asphalt Treatment	Ton	ATTD
16500	Surf.Preparation & Restoration Type I	Ton	ATTD
16502	Surf.Preparation & Restoration Type II	Ton	ATTD
16504	Surf.Preparation & Restoration Type III	Ton	ATTD
67201	NS Asphalt Concrete Overlay	Ton	315

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67210	NS Asphalt Concrete	Ton	315
68240	NS Asphalt Concrete	Ton	315

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**EXHIBIT 6.3 (c)  
ADJUSTMENT FOR FUEL**

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

June 26, 2018

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 shall 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. The optional fuel item listing eligible for fuel adjustment is provided by the Department at this website: <http://www.virginiadot.org/business/const/resource.asp>. 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.

In order to be eligible for fuel adjustment under this provision, the Design-Builder shall clearly identify in the Schedule of Items 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 Items shall 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

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.

I elect to use this provision

I elect not to use this provision

Date: April 10, 2020

Signature: 

Design-builder: Branch-Flatiron, Joint Venture

Vendor No.: JV096

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**EXHIBIT 6.3(d)  
ADJUSTMENT FOR STEEL**

**VIRGINIA DEPARTMENT OF TRANSPORTATION  
SPECIAL PROVISION FOR  
PRICE ADJUSTMENT FOR STEEL  
DESIGN-BUILD PROJECTS**

June 6, 2018

In the event the Design-Builder elects to seek adjustment for steel items designated in the Price Proposal/Contract as Price Adjustment Items such items will be subject to price adjustment as set forth herein. If new pay items which involve steel are established by Work Order, they will not be subject to Price Adjustment unless specifically designated in the Work Order to be subject to Price Adjustment.

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 steel used on specific items of work identified in the Price Proposal/contract in accordance with this provision. Provided at the end of this provision is a master listing of standard bid items the Department has determined are eligible for steel price adjustment. Only items on this listing will be eligible for steel price adjustment. Generally, non-standard pay items will not be eligible for steel price adjustment unless such steel items are project-specific modifications of items normally eligible and the quantities present on the project constitute major items of the work. Inventoried materials from the listing of eligible items are specifically excluded for consideration. This provision also does not allow for price adjustment for embedded steel where the steel item is a component of the finished bid item and there is no separate or distinct payment for the steel item or for steel used for pre-tensioned or post-tensioned precast components where furnishing steel is included in the unit price of the finished bid item. This includes items such as (but not limited to) drop inlets, median barriers, sound barrier walls, bridge railing and parapets, are not eligible for consideration under this provision.

The requirements of this provision shall apply only to material cost changes that occur between the date of the opening of the Price Proposal and the date the material is shipped to the fabricator. To be eligible for this price adjustment, Design-Builder is required to fill out the accompanying Form for Price Adjustment for Eligible Steel Items on Design-Build Projects and submit the same with its Price Proposal for the Project. By signing the Form and submitting it with its Price Proposal Design-Builder declares its intention to participate in the price adjustment in its contract with the Department. For the purposes of this provision, the prices listed on the Form for Price Adjustment for Eligible Steel Items on Design-Build projects are fixed for cost and adjustment calculations regardless of quantities incorporated into final design. Further, in order for steel items to be eligible for adjustment, once shipped to the fabricator, the items shall be specifically stored, labeled, or tagged, recognizable by color marking, and identifiable by project for inspection and audit verification immediately upon arrival at the fabricator.

Design-Builder shall upon request furnish documentation supporting the price per pound for eligible steel items as shown on the Form for Price Adjustment for Eligible Steel Items on Design-Build Projects furnished with its Price Proposal. Design-Builder must use the format as shown with this Form; no other format for presenting this information will be permitted. Design-Builder shall certify that all items of documentation are original and were used in the computation of the price per pound amount for the represented eligible pay items for the month the Price Proposal was opened. This documentation shall support the base line material price ("Base Price") of the steel item only. Base price per pound shall not include the following cost components: fabrication, shipping, storage, handling, and erection.

Failure to submit all documentation required or requested supporting the per pound prices on eligible steel items will result in Design-Builder being ineligible for a price adjustment of any or all steel items.

Price adjustment of each qualifying item will only be considered if there is an increase or decrease in the cost of eligible steel materials in excess of 10 percent up to a maximum of 60 percent from the Base Price

when compared with the latest published price index ("Price Index") in effect at the time material is shipped to the fabricator.

The Price Index the Department is using is based on The U.S. Department of Labor, Bureau of Labor Statistics, Producers Price Index (PPI) which measures the average price change over time of the specific steel eligible item from the perspective of the seller of goods. The Master List table provided at the end of this provision indicates the Producers Price Index (PPI) steel category index items and the corresponding I.D. numbers to which VDOT items will be compared. **Please note:** The Producers Price Index (PPI) is subject to revision 4 months after original publication, therefore, price adjustments and payments will not be made until the index numbers are finalized.

Items under consideration for price adjustment will be compared to the steel category index items and the corresponding I.D. numbers shown in the table attached to the end of this provision.

The price adjustment will be determined by computing the percentage of change in index value beyond 10 percent above or below the index on the date of opening of Design-Builder's Price Proposal to the index value on the date the steel material is shipped to the fabricator (Please see included sample examples). Weights and date of shipment must be documented by a bill of lading provided to the Department. The final price adjustment dollar value will be determined by multiplying this percent increase or decrease in the index (after 10%) by the represented quantity of steel shipped, by the Base Price per pound subject to the limitations herein.

**Price increase/decrease will be computed as follows:**

$$A = B \times P \times Q$$

- Where;
- A = Steel price adjustment in lump sum dollars
  - B = Average weighted price of steel submitted in Design-Builder's Price Proposal for project in price per pound as listed on the Form for Price Adjustment for Eligible Steel Items on Design-Build Project
  - P = Adjusted percentage change in PPI average from shipping date to date of opening of Price Proposal minus 10% (0.10) threshold
  - Q = Total quantity of steel in pounds shipped to fabricator for specific project

This price adjustment is capped at 60 percent. This means the maximum "P" value for increase or decrease that can be used in the above equation is 50% (60%-10% threshold).

Calculations for price adjustment shall be shown separate from the monthly progress payment for work packages and will not be included in the total cost of work for determination of progress or for extension of contract time.

Upon Department review and due process consideration for redress by Design-Builder, any apparent evidence to unbalance the price supplied by Design-Builder in favor of items subject to price adjustment will result in ineligibility for Department participation under this provision.



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**Sample Calculation of a Price Adjustment (increase)**

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Project bid on April 28, 2004.

Project has 450,000 lb. of eligible structural steel.

Design Builder's \*f.o.b. supplier price for structural steel submitted in the Price Proposal is \$0.2816 per pound. \*free on board

Adjusted\*\* BLS Producers Price Index (PPI) most recently published average at time of opening of the Price Proposal is 139.6.

All eligible steel shipped to fabricator in same month, October 2004.

Adjusted BLS Producers Price Index (PPI) most recently published average for month of October is 161.1

Adjustment formula is as follows:

$$A = B \times P \times Q$$

Where;

- A = Steel price adjustment in lump sum dollars
- B = Average weighted price of steel submitted in the Price Proposal for Design-Build project in \$ per pound
- P = Adjusted percentage change in PPI average from shipping date to date of submitted Price Proposal minus 10% (0.10) threshold
- Q = Total quantity of eligible steel shipped to fabricator in October 2004 for this project in pounds

$$B = \$0.2816$$

$$P = (161.1 - 139.6) / 139.6 - 0.10 = 0.054$$

$$Q = 450,000 \text{ lb.}$$

$$A = 0.2816 \times 0.054 \times 450,000$$

$$A = \$6,842.88 \text{ pay adjustment to Design-Builder}$$

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**Sample Calculation of a Price Adjustment (decrease)**

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Project bid on April 28, 2004.

Project has 450,000 lb. of eligible structural steel.

Design-Builder's \*f.o.b. supplier price for structural steel submitted in the Price Proposal is \$0.2816 per pound. \*free on board

Adjusted BLS Producers Price Index (PPI) most recently published average at time of opening of the Price Proposal is 156.6.

All eligible steel shipped to fabricator in same month, October 2004.

Adjusted BLS Producers Price Index (PPI) most recently published average for month of October is 136.3

Adjustment formula is as follows:

$$A = B \times P \times Q$$

Where;

- A = Steel price adjustment in lump sum dollars
- B = Average weighted price of steel submitted in the Price Proposal for Design-Build project in \$ per pound
- P = Adjusted percentage change in PPI average from shipping date to date of submitted Price Proposal minus 10% (0.10) threshold
- Q = Total quantity of eligible steel shipped to fabricator in October 2004 for this project in pounds

$$B = \$0.2816$$

$$P = (156.6 - 136.3) / 156.6 - 0.10 = 0.030$$

$$Q = 450,000 \text{ lb.}$$

$$A = 0.2816 \times 0.030 \times 450,000$$

$$A = \$3,801.60 \text{ credit to Department}$$

**MASTER LISTING**

**STANDARD BID ITEMS ELIGIBLE FOR STEEL PRICE ADJUSTMENT**

June 8, 2018

**BLS Series I. D.**

<b>ITEM NUMBER</b>	<b>ITEM DESCRIPTION</b>	<b>UNITS</b>	<b>Number WPU used in \$ adjust.</b>
00519	SHEET PILE, STEEL	SF	avg. 1017 & 101
00540	REINF. STEEL	LB	101704
00560	STRUCTURAL STEEL JB-1	LB	avg. 1017 & 101
11030	REINF. STEEL BRIDGE APPR. SLAB	LB	101704
13545	REINF. STEEL	LB	101704
14502	REINFORCING STEEL	LB	101704
45522	4" STEEL ENCASE. PIPE	LF	101706
45532	6" STEEL ENCASE. PIPE	LF	101706
45562	16" STEEL ENCASE. PIPE	LF	101706
45572	18" STEEL ENCASE. PIPE	LF	101706
45582	24" STEEL ENCASE. PIPE	LF	101706
45584	24" JACKED STEEL ENCASUREMENT PIPE	LF	101706
45592	30" STEEL ENCASE. PIPE	LF	101706
60452	REINF. STEEL BRIDGE APPR. SLAB	LB	101704
61700	REINF. STEEL	LB	101704
61704	CORROSION RESISTANT REINF. STEEL	LB	101704
61750	STRUCT. STEEL HIGH STRG. PLT. GIRDERS	LB	avg. 1017 & 101
61811	STR. STEEL PLATE GIRDER ASTM A709 GRADE50	LB	avg. 1017 & 101
61812	STR. STEEL PLATE GIRDER ASTM A709 GRADE50	LB	avg. 1017 & 101
61813	STR. STEEL PLATE GIRDER ASTM A709 GRADEHPS50W	LB	avg. 1017 & 101
61814	STR. STEEL PLATE GIRDER ASTM A709 GRADEHPS70W	LB	avg. 1017 & 101
61820	STR. STEEL ROLLED BEAM ASTM A709 GRADE 36	LB	avg. 1017 & 101
61821	STR. STEEL ROLLED BEAM ASTM A709 GRADE50	LB	avg. 1017 & 101
61822	STR. STEEL ROLLED BEAM ASTM A709 GRADE50W	LB	avg. 1017 & 101
61990	STEEL GRID FLOOR	SF	avg. 1017 & 101
64110	STEEL PILES 10"	LF	avg. 1017 & 101
64112	STEEL PILES 12"	LF	avg. 1017 & 101
64114	STEEL PILES 14"	LF	avg. 1017 & 101
64768	DRIVING TEST FOR 12" STEEL PILE	LF	avg. 1017 & 101
64778	DRIVING TEST FOR 14" STEEL PILE	LF	avg. 1017 & 101
65200	REINF. STEEL	LB	101704
65204	CORROSION RESISTANT REINF. STEEL	LB	101704
68100	REINF. STEEL	LB	101704
68104	CORROSION RESISTANT REINF. STEEL	LB	101704
68107	STR. STEEL PLATE GIRDER ASTM A709 GRADE50	LB	avg. 1017 & 101
68108	STR. STEEL PLATE GIRDER ASTM A709 GR50W	LB	avg. 1017 & 101
68109	STR. STEEL PLATE GIRDER ASTM A709 GR.HPS50W	LB	avg. 1017 & 101
68110	STR. STEEL PLATE GIRDER ASTM A709 GR.HPS70W	LB	avg. 1017 & 101
68112	STR. STEEL ROLLED BEAM ASTM A709 GR.36	LB	avg. 1017 & 101
68113	STR. STEEL ROLLED BEAM ASTM A709 GR.50	LB	avg. 1017 & 101
68114	STR. STEEL ROLLED BEAM ASTM A709 GR. 50W	LB	avg. 1017 & 101
68115	STRUCT. STEEL	LB	avg. 1017 & 101
68270	REINF. STEEL BRIDGE APPR. SLAB	LB	101704
69060	SHEET PILES, STEEL	SF	avg. 1017 & 101
69100	REINF. STEEL	LB	101704

69104	CORROSION RESISTANT REINF. STEEL	LB	101704
69110	STEEL PILES 10"	LF	avg. 1017 & 101
69112	STEEL PILE 12"	LF	avg. 1017 & 101
69113	DRIVING TEST FOR 12" STEEL PILE	LF	avg. 1017 & 101

I elect to use this provision

I elect not to use this provision

Date: April 10, 2020

Signature: 

Design-Builder: Branch-Flatiron Joint Venture

Vendor No.: JV096

# 4.7.5 PROPOSAL GUARANTY (C-24)



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
PROPOSAL GUARANTY

KNOW ALL MEN BY THESE PRESENTS, THAT WE Branch-Flatiron Joint Venture As principal, and Hartford Fire Insurance Company Surety, are held and firmly bound unto the Commonwealth of Virginia as obligee, in the amount of FIVE PERCENT OF THE DOLLAR VALUE OF THE BID, lawful money of the United States of America, for the payment of which, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally and firmly by these presents.

SIGNED, sealed and dated this 30th Day of March, 20 20

WHEREAS, the above said principal is herewith submitting its proposal for:

PROJECT NUMBER: 0095-111-270  
Contract ID No.: C00105510DB106

NOW, THEREFORE, the condition of the above obligee is such, that if the aforesaid principal shall be awarded the contract upon said proposal and shall within the time specified in the Specifications after the notice of such award enter into a contract and give bond for the faithful performance of the contract, then this obligation shall be null and void; otherwise to remain in full force and effect and the principal and surety will pay unto the obligee the difference in money between the amount of the bid of the said principal and the amount for which the obligee may legally contract with another party to perform the said work if the latter amount be in excess of the former; but in no event shall the liability exceed the penal sum hereof.

Branch-Flatiron Joint Venture

Hartford Fire Insurance Company

(Principal\*)  
By: [Signature]  
(Officer, Partner or Owner) (Seal)

(Surety Company)  
By: [Signature]  
(Attorney-in-Fact\*\*) (Seal)

(Principal\*)

Theresa S. Stump, Attorney-in-Fact  
One Hartford Plaza, Hartford, CT 06155-0001  
(Address)

By: \_\_\_\_\_  
(Officer, Partner or Owner) (Seal)

By: \_\_\_\_\_  
(Surety Company)

(Principal\*)

(Attorney-in-Fact\*\*) (Seal)

By: \_\_\_\_\_  
(Officer, Partner or Owner) (Seal)

By: \_\_\_\_\_  
(Address)

\*Note: If the principal is a *joint venture*, each party thereof must be named and execution made by same hereon. If there is more than one surety to the bid bond, each surety must be named and execution shall be made by same hereon.

**Electronic Bid Only:** In lieu of completing the above section of the Contract Performance Bond, the Principal shall file an Electronic Bid Bond when bidding electronically. By signing below the Principal is ensuring the identified electronic bid bond has been executed and the Principal and Surety are firmly bound unto the Commonwealth of Virginia under the same conditions of the bid bond as shown above.

Electronic Bid Bond ID# \_\_\_\_\_ Company/Bidder Name \_\_\_\_\_ Signature and Title \_\_\_\_\_

\*\*Attach copy of Power of Attorney

# POWER OF ATTORNEY

Direct Inquiries/Claims to:

**THE HARTFORD**  
 BOND, T-12  
 One Hartford Plaza  
 Hartford, Connecticut 06155  
[Bond.claims@thehartford.com](mailto:Bond.claims@thehartford.com)

call: 888-266-3488 or fax: 860-757-5835

KNOW ALL PERSONS BY THESE PRESENTS THAT:

Agency Code: 14-730214 (MC), 14-730836, 14-731912

- Hartford Fire Insurance Company**, a corporation duly organized under the laws of the State of Connecticut
- Hartford Casualty Insurance Company**, a corporation duly organized under the laws of the State of Indiana
- Hartford Accident and Indemnity Company**, a corporation duly organized under the laws of the State of Connecticut
- Hartford Underwriters Insurance Company**, a corporation duly organized under the laws of the State of Connecticut
- Twin City Fire Insurance Company**, a corporation duly organized under the laws of the State of Indiana
- Hartford Insurance Company of Illinois**, a corporation duly organized under the laws of the State of Illinois
- Hartford Insurance Company of the Midwest**, a corporation duly organized under the laws of the State of Indiana
- Hartford Insurance Company of the Southeast**, a corporation duly organized under the laws of the State of Florida

having their home office in Hartford, Connecticut, (hereinafter collectively referred to as the "Companies") do hereby make, constitute and appoint, **up to the amount of unlimited:**

*Katherine Fowler of Nashville TN; Stacey W. Hall, James J. Roberts III, Kristen Moore of Richmond VA;  
 Robert M. Coon of Greensboro NC; Windy Lovelady of Raleigh NC; Jessica Fisher of Charlotte NC;  
 Sherrie B. Denison, Bethany Murphy, Deanna W. Sparks, Theresa S. Stump of Roanoke VA;  
 B. Jones III of Franklin TN; Stephen B. Dolin, Joanna M. Carson, Barbara Dawn Martin,  
 Melissa V. Carver, Kelly Mundy, Madeleine Skorcz Ferguson of Lynchburg VA*

their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign its name as surety(ies) only as delineated above by , and to execute, seal and acknowledge any and all bonds, undertakings, contracts and other written instruments 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.

**In Witness Whereof**, and as authorized by a Resolution of the Board of Directors of the Companies on May 6, 2015 the Companies have caused these presents to be signed by its Senior Vice President and its corporate seals to be hereto affixed, duly attested by its Assistant Secretary. Further, pursuant to Resolution of the Board of Directors of the Companies, the Companies hereby unambiguously affirm that they are and will be bound by any mechanically applied signatures applied to this Power of Attorney.



*Julie Morris*

Julie Morris, Assistant Secretary

*M. Ross Fisher*

M. Ross Fisher, Senior Vice President

STATE OF CONNECTICUT }  
 COUNTY OF HARTFORD } ss. Hartford

On this 11<sup>th</sup> day of January 2016, before me personally came M. Ross Fisher, to me known, who being by me duly sworn, did depose and say: that he resides in the County of Hartford, State of Connecticut; that he is the Senior Vice President of the Companies, the corporations described in and which executed the above instrument; that he knows the seals of the said corporations; that the seals affixed to the said instrument are such corporate seals; that they were so affixed by authority of the Boards of Directors of said corporations and that he signed his name thereto by like authority.



CERTIFICATE

*Kathleen T. Maynard*

Kathleen T. Maynard  
 Notary Public  
 My Commission Expires July 31, 2021

I, the undersigned, Assistant Vice President of the Companies, DO HEREBY CERTIFY that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is still in full force effective as of **March 30, 2020**  
 Signed and sealed at the City of Hartford.



*Kevin Heckman*

Kevin Heckman, Assistant Vice President

# 4.7.6 SWORN STATEMENT FORMS (C-104, C-105, ATTACHMENTS 4.7.6(A) AND 4.7.6(B))



**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

PROJECT: 0095-111-270

FHWA: NHP-095-2(545)

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 HAVING 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 Henrico, Virginia, this 10th day of April, 20 20  
County (City), STATE

Branch-Flatiron Joint Venture  
(Name of Firm) By: [Signature] Vice-President, Estimating  
(Signature) Title (print)

STATE of Virginia COUNTY (CITY) of Henrico

To-wit:

I Molly F. Roland, a Notary Public in and for the State and County(City) aforesaid, hereby certify that this day Michael Colbert

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 10th day of April, 20 20  
My Commission expires 10/31/2020



**OR  
UNSWORN DECLARATION**

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 \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_  
County (City), STATE

By: \_\_\_\_\_  
(Name of Firm) (Signature) Title (print)

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
AFFIDAVIT**

PROJECT: 0095-111-270

FHWA: NHP-095-2(545)

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.

1. 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
<u>VTCA</u>	<u>Richmond, VA</u>
<u>HRUHCA</u>	<u>Chesapeake, VA</u>
<u>Carolina AGC</u>	<u>Raleigh, NC</u>

2. I (we) have x, have not \_\_\_\_\_, participated in a previous contract or subcontract subject to the equal opportunity clause, as required by Executive Orders 10925, 11114, or 11246, and that I/We have x, have not \_\_\_\_\_, filed with the joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

**Note:** 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 Henrico, Virginia, this 10th day of April, 20 20  
County (City), STATE

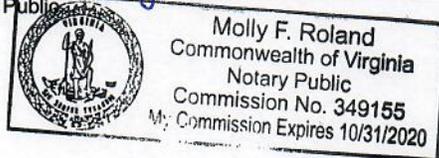
Branch-Flatiron Joint Venture By: [Signature] Vice-President, Estimating  
(Name of Firm) (Signature) Title (print)

STATE of Virginia COUNTY (CITY) of Henrico

To-wit:  
I Molly F. Roland, a Notary Public in and for the State and  
County(City) aforesaid, hereby certify that this day Michael Colbert

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 10th day of April, 20 20  
[Signature] My Commission expires 10/31/2020

Notary Public  
  
Molly F. Roland  
Commonwealth of Virginia  
Notary Public  
Commission No. 349155  
My Commission Expires 10/31/2020



BRANCH - FLATIRON  
JOINT VENTURE



442 Rutherford Avenue, NE  
Roanoke, VA 24016  
540.982.1678

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