

PRICE PROPOSAL

I-81 WIDENING MM 221 TO MM 225 DESIGN-BUILD

AUGUSTA COUNTY, VIRGINIA

State Project No.: 0081-007-013, B638, B639, B640, B641, B642, C501, D602, D603, P101, R201

Federal Project No.: NHPP-081-2(329)

Contract ID Number: C00116269DB116



SUBMITTED ELECTRONICALLY
FEBRUARY 15, 2023



ATTACHMENT 4.0.1.2

**DESIGN-BUILD PRICE PROPOSAL
CHECKLIST**

**Project Name: I-81 WIDENING MM 221 to MM 225
Contract ID Number: C00116269DB116**

➤ **Contents of Price Proposal:**

- Cost Breakdown Summary in whole numbers and the Proposal Price, in both numbers and words (Part 1, Attachment 4.8.1)**
 - 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 Asphalt, Fuel and Steel, including identification of pay items and associated quantities eligible for adjustment (Part 3, Section 6.3, Attachments 6.3(a), 6.3(c), and 6.3(d))**
 - Proposal Guaranty (C-24) required by Section 102.07 of Part 5, Division I Amendments to the Standard Specifications**
 - Sworn Statement Forms C-104 and C-105 (Part 1, Attachments 4.8.6(a) and 4.8.6(b))**
-

ATTACHMENT 3.6**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION**

RFP NO. C00116269DB116
PROJECT NO.: 0081-007-013

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 3.6, 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 – October 19, 2022
(Date)
2. Cover letter of Addendum No. 1 – November 8, 2022
(Date)
3. Cover letter of Addendum No. 2 – November 22, 2022
(Date)
4. Cover letter of Addendum No. 3 – December 20, 2022
(Date)
5. Cover letter of Addendum No. 4 – January 13, 2023
(Date)
6. Cover letter of Addendum No. 5 – February 3, 2023
(Date)


SIGNATURE

2/15/2023
DATE

Michael Colbert
PRINTED NAME

VP, Estimating
TITLE

A dark gray background with a complex, white, topographic map-like pattern of concentric, irregular lines, resembling contour lines on a map. The lines are dense and create a textured, swirling effect.

Tab 1

Cost Breakdown Summary

ATTACHMENT 4.7.1

PRICE PROPOSAL FORM

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

Price Proposal Cost Breakdown Summary;

Design Services, LS	\$ <u>10,601,200.00</u>
Construction Services (exclude QA/QC), LS	\$ <u>90,770,600.00</u>
Quality Assurance (QA) (Construction), LS	\$ <u>5,557,000.00</u>
Quality Control (QC) (Construction), LS	\$ <u>3,356,200.00</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): One Hundred Ten Million, Two Hundred
Eighty-Five Thousand and 00/100 (\$ 110,285,000.00)

Signature:  Date: 2/15/2023

Design-Builder: Branch Civil, Inc.

Vendor No.: B319

TAB 2:
Schedule of Items

TAB 2

Schedule of Items

Attachment 4.7.2

State Project 0081-007-013

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: 2/15/2023

VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
25591	DESIGN SERVICES		1	LS	\$ 10,601,200.00
25593	QUALITY ASSURANCE (QA)		1	LS	\$ 5,557,000.00
25595	QUALITY CONTROL (QC)		1	LS	\$ 3,356,200.00
25575	PROJECT MANAGEMENT		1	LS	\$ 10,500,000.00
85130	BONDS AND INSURANCES		1	LS	\$ 1,300,000.00
00104	ESCROW DOCUMENT STORAGE		1	LS	\$ 20,500.00
00104	SCOPE VALIDATION		1	LS	\$ 150,000.00
00100	MOBILIZATION		1	LS	\$ 3,400,000.00
00101	CONSTRUCTION SURVEYING		1	LS	\$ 525,000.00
25565	PROGRESS SCHEDULE BASELINE		1	LS	\$ 27,500.00
25567	PROGRESS SCHEDULE UPDATES		48	EA	\$ 148,800.00
25596	PUBLIC RELATIONS		1	LS	\$ 86,600.00
25597	ENVIRONMENTAL MITIGATION		1	LS	\$ 600,000.00
00099	UTILITY RELOCATIONS		1	LS	\$ 28,900.00
25508	FIELD OFFICE		51	MO	\$ 969,000.00
00110	CLEARING AND GRUBBING		1	LS	\$ 150,000.00
	PROJECT WIDE DEMO		1	LS	\$ 300,000.00
	DEMOLITION OF PAVEMENT- ASPHALT CONC		22,837	SY	\$ 137,022.00
27275	CONSTRUCTION ENTRANCE		20	EA	\$ 26,000.00
27505	TEMP. SILT FENCE TYPE A		93,300	LF	\$ 186,600.00
27504	TEMP. SILT FENCE TYPE B		600	LF	\$ 2,250.00
23570	SAFETY FENCE		7,650	LF	\$ 42,075.00
27410	TEMP. CHECK DAMS		73	EA	\$ 18,980.00
27415	CHECK DAM(ROCK) TY. II		254	EA	\$ 147,320.00
27451	INLET PROTECTION , TYPE A		45	EA	\$ 9,000.00
27461	INLET PROTECTION , TYPE B		20	EA	\$ 8,600.00
27471	CULVERT INLET PROTECTION, TYPE C		4	EA	\$ 1,200.00
27275	TEMP. SLOPE INTERRUPTOR, EC-15		12,000	LF	\$ 150,000.00
27430	SILTATION CONTROL EXCAVATION		13,707	CY	\$ 82,242.00
09250	TEMPORARY SLOPE DRAIN		9	EA	\$ 13,500.00
27318	ROLLED EROSION CTRL PRODUCT EC-2 TYPE 1		21,705	SY	\$ 43,410.00
27320	ROLLED EROSION CTRL PRODUCT EC-2 TYPE 3		101,830	SY	\$ 254,575.00
27325	ROLLED EROSION CTRL PRODUCT EC-3 TYPE 1		2,871	SY	\$ 14,355.00
27319	ROLLED EROSION CTRL PRODUCT EC-2 TYPE 2		101,830	SY	\$ 254,575.00
	HECP TYPE 2		101,830	SY	\$ 91,647.00
	HECP TYPE 3		101,830	SY	\$ 127,287.50
09150	EROSION CONTROL STONE CLASS I, EC-1		680	TN	\$ 88,400.00
26119	DRY RIPRAP CL.I 18"		265	TN	\$ 34,450.00
27580	TEMP. SEDIMENT TRAPS		13	EA	\$ 94,900.00
27422	DEWATERING BASIN		12	EA	\$ 8,280.00
25570	EROSION CONTROL MAINTENANCE		1	LS	\$ 1,371,414.80
85012	TEMP. DIVERSION CHANNEL EXCAVATION		500	LF	\$ 85,000.00
85005	NS STREAM STABILIZATION RIP RAP		1,085	TN	\$ 108,500.00
85013	NS CROSS VANE		1	EA	\$ 37,800.00
85014	NS J-HOOK VANE		1	EA	\$ 53,300.00
00120	REGULAR EXCAVATION		214,486	CY	\$ 4,504,206.00
27013	TOPSOIL CLASS B		18,416	CY	\$ 1,712,688.00
85003	UNDERCUT EXCAVATION		3,545	CY	\$ 194,975.00
10027	SOIL MANIPULATION		1,166	SY	\$ 16,907.00
	LIME SOIL STABILIZATION		1,166	SY	\$ 6,996.00
01156	STORM SEWER PIPE 15" HDPE		443	LF	\$ 29,238.00
01150	STORM SEWER PIPE 15" RCP		167	LF	\$ 13,527.00
01186	STORM SEWER PIPE 18"		160	LF	\$ 113,600.00
01246	STORM SEWER PIPE 24"		1,379	LF	\$ 165,480.00
01306	STORM SEWER PIPE 30"		430	LF	\$ 94,600.00
01366	STORM SEWER PIPE 36"		791	LF	\$ 221,480.00

Attachment 4.7.2

State Project 0081-007-013

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: 2/15/2023

VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
	STORM SEWER PIPE 42"		809	LF	\$ 250,790.00
01486	STORM SEWER PIPE 48"		220	LF	\$ 83,600.00
01600	STORM SEWER PIPE 60"		44	LF	\$ 31,240.00
01241	JACKED & BORED 24" PIPE		316	LF	\$ 726,800.00
06151	15" END SECTION ES-1		12	EA	\$ 4,680.00
00525	15" END WALL EW-1		10	EA	\$ 14,000.00
06241	24" END SECTION ES-1		5	EA	\$ 7,000.00
00525	24" END WALL EW-1		4	EA	\$ 8,400.00
00525	24" END WALL EW-11		7	EA	\$ 17,500.00
00525	30" END WALL EW-1		1	EA	\$ 2,900.00
08277	DROP INLET DI-10K TY.III,L=8'		1	EA	\$ 17,700.00
08190	DROP INLET DI-10H TY.I,L=10'		4	EA	\$ 62,400.00
08962	DROP INLET DI-13 TY. I		12	EA	\$ 170,400.00
08965	DROP INLET DI-13 TY. 2		8	EA	\$ 112,800.00
07506	DROP INLET DI-5		6	EA	\$ 102,000.00
07510	DROP INLET DI-7A		4	EA	\$ 222,800.00
09056	MANHOLE MH-1 OR 2		415	LF	\$ 581,000.00
09057	FRAME & COVER MH-1		26	EA	\$ 18,980.00
24825	MODIFY STRUCTURE		6	EA	\$ 58,200.00
24831	MODIFY INLET TOP		1	EA	\$ 2,600.00
02112	JB-1 MODIFIED		3	EA	\$ 277,800.00
	NS SWM FACILITIES		1	LS	\$ 1,200,000.00
00580	UNDERDRAIN UD-1		36,815	LF	\$ 828,337.50
00591	COMB. UNDERDRAIN CD-2		1,100	LF	\$ 26,400.00
00212	MINOR STRUCTURE EXCAV. BOX CULVERT		901	CY	\$ 234,260.00
00522	A4 BOX CULVERTS		1	LS	\$ 478,600.00
	OUTLET PIPE		1,600	LF	\$ 29,600.00
00596	ENDWALL EW-12		80	EA	\$ 68,800.00
00529	FLOWABLE FILL		65	CY	\$ 29,900.00
	CCTV VIDEO INSPECTION of EXISTING PIPES		1	LS	\$ 870.00
01247	PIPE REHABILITATION		1	LS	\$ 204,200.00
12030	STD. CURB CG-3		408	LF	\$ 21,216.00
12322	ASPHALT CONC. CURB TY. MC-3B, 3C		1,400	LF	\$ 182,000.00
10499	ASPHALT CONCRETE TY. MC-4		1,374	SY	\$ 49,464.00
13462	MEDIAN BARRIER MB-7F		400	LF	\$ 60,000.00
65710	PIER PROTECTION BARRIER		1,150	LF	\$ 977,500.00
09185	PAVED DITCH PG-2A		1,800	SY	\$ 342,000.00
09225	PAVED FLUME PG-4		50	SY	\$ 8,000.00
09247	PAVED FLUME PG-7		20	SY	\$ 3,200.00
	CONCRETE CROSSOVER PAVEMENT		545	SY	\$ 87,200.00
00355	GEOTEXTILE SUBGRADE STABILIZATION		1,166	SY	\$ 4,664.00
16544	FULL DEPTH RECLAMATION		96,460	SY	\$ 2,025,660.00
10100	AGGR. BASE MATL. NO. 21B		541	TON	\$ 27,050.00
10653	ASPHALT CONC. SMA - 12.5 PG64-22	F, P	17,426	TON	\$ 3,345,792.00
10653	ASPHALT Conc. TY. SM-12.5	F, P	12,075	TON	\$ 1,907,850.00
10611	ASPHALT CONC. TY. SMA-19.0 64H-22	F, P	19,816	TON	\$ 3,269,640.00
10611	ASPHALT CONC. TY. IM-19.0	F, P	18,774	TON	\$ 2,628,360.00
10643	ASPH. CONC. TY. BM-25.0A	F, P	23,630	TON	\$ 3,071,900.00
	ASPH. CONC. TY. BM-25.0D	F, P	19,153	TON	\$ 2,394,125.00
10628	FLEXIBLE PAVEMENT PLANING 0'-2"	F	161,371	SY	\$ 645,484.00
10630	FLEXIBLE PAVEMENT PLANING ABOVE 4"	F	17,621	SY	\$ 246,694.00
10700	RUMBLE STRIP, ASPHALT		60,350	LF	\$ 9,052.50
10701	LIQUID ASPHALT RUMBLE STRIP COATING		11,176	SY	\$ 8,382.00
13280	GUARDRAIL GR-MGS1		23,910	LF	\$ 884,670.00
13281	GUARDRAIL GR-MGS1A		890	LF	\$ 43,610.00
13286	GUARDRAIL TERMINAL GR-MGS2		15	EA	\$ 52,500.00

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State Project 0081-007-013

Schedule of Items (ver. 4-15-2014)

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Date: 2/15/2023

VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
13287	GUARDRAIL END ANCHORAGE GR-MGS3		24	EA	\$ 40,800.00
13288	GUARDRAIL HEIGHT TRANSITION GR-MGS4		49	EA	\$ 112,700.00
13310	GUARDRAIL TERMINAL GR-6 NCHRP 350		15	LF	\$ 4,350.00
13392	FIXED OBJECT ATTACH. GR-FOA-2 TY.I		19	EA	\$ 72,200.00
13393	FIXED OBJECT ATTACH. GR-FOA-2 TY.II		15	EA	\$ 48,000.00
13606	IMPACT ATTEN. STD. IA-2, TL-3 >40 MPH DES.SP.		12	EA	\$ 351,600.00
22511	FENCE FE-CL		3,000	LF	\$ 36,000.00
27101	TEMPORARY SEED		5,600	LB	\$ 36,400.00
27102	REGULAR SEED		11,760	LB	\$ 141,120.00
27103	OVERSEEDING		5,600	LB	\$ 50,400.00
27230	FERTILIZER N-EL		37,240	LB	\$ 31,654.00
27231	FERTILIZER P		37,240	LB	\$ 31,654.00
27232	FERTILIZER K		37,240	LB	\$ 31,654.00
27250	LIME		280	TON	\$ 70,000.00
24265	MAINTENANCE OF TRAFFIC		1	LS	\$ 1,500,000.00
54034	TYPE B CLASS I PVMT LINE MRKG 6"		332,955	LF	\$ 499,432.50
54037	TYPE B CLASS I PVMT LINE MRKG 8"		49,661	LF	\$ 99,322.00
54040	TYPE B CLASS I PVMT LINE MRKG 12"		15,395	LF	\$ 69,277.50
54042	TYPE B CLASS I PVMT LINE MRKG 24"		2,575	LF	\$ 82,400.00
54076	TY.B CL VI PAVE. LINE MARK. 6"		82,530	LF	\$ 660,240.00
54077	TY.B CL VI PAVE. LINE MARK. 8"		19,980	LF	\$ 229,770.00
54078	TY.B CL VI PAVE. LINE MARK. 12"		3,770	LF	\$ 56,550.00
54100	NS TY.B CL VI PAVE. LINE MARK. 24"		2,575	LF	\$ 123,600.00
54080	TYPE B CL VI CONTRAST LINE MARK 6"		3,380	LF	\$ 47,320.00
54105	ERADICATION OF EXIST. LINEAR PVMT MARKING		299,927	LF	\$ 179,956.20
54210	REMOVE EXISTING RAISED PAVE MARKERS		694	EA	\$ 27,760.00
54219	INLAID PAVEMENT MARKER ASPHALT		1,198	EA	\$ 67,088.00
	SIGNS/ITS		1	LS	\$ 3,250,000.00
	CONSTRUCTION ACCESS		1	LS	\$ 600,000.00
61336	PREST.CONC. I BEAM TYPE III-(+70' TO 75')		24	EA	\$ 1,108,800.00
61813	STR.STEEL PLATE GIDER ASTM A709 GRADE 50W	P	266,000	LB	\$ 1,330,000.00
62024	CONCRETE PARAPET 42" BPB-4 (CL A4 MOD LWLS)		1,893	LF	\$ 832,920.00
62024	CONCRETE PARAPET 54" BPB-4 MOD (CL A4 LWLS)		210	LF	\$ 153,300.00
62004	ARCHITECTURAL TREATMENT (B640)		786	SF	\$ 23,580.00
62110	CONC. SURFACE COLOR COATING (B640)		786	SF	\$ 25,938.00
64045	TEMPORARY SHEET PILING/SOE (B638-B642)		1	LS	\$ 1,350,000.00
64101	DYNAMIC PILE TEST (PDA)		11	EA	\$ 44,000.00
64110	STEEL PILES HP 12x53		2,900	LF	\$ 319,000.00
64755	PILE POINT FOR 12" STEEL PILE		88	EA	\$ 15,840.00
64759	DRIVING TEST FOR 12" STEEL PILE		421	LF	\$ 34,943.00
66238	DRY RIPRAP CL.II 38" WITH CHOKING STONE - BCI		325	SY	\$ 42,250.00
66525	STONE SLOPE PROTECTION (INCLU CONCRETE GUTTER)		151	SY	\$ 45,300.00
66740	CONC. SLAB SLOPE PROTECTION 4"		597	SY	\$ 119,400.00
66750	CONC. SLAB SLOPE PROTECTION 6"		618	SY	\$ 135,960.00
67110	TRAFFIC BARRIER SERVICE CONC.(ANCHORED)		4,000	LF	\$ 348,000.00
67110	TRAFFIC BARRIER SERVICE CONC.		38,555	LF	\$ 1,734,975.00
	IMPACT ATTEN. TY. 1 TL-3, LOW MAINTENANCE		11	EA	\$ 185,900.00
67260	ASBESTOS INSPECTION/TESTING		1	LS	\$ 5,500.00
67910	INITIAL INSPECTION & NBIS ACCESS, UNDER BRIDGE		1	LS	\$ 4,300.00
68044	CONC. CLASS A4 MOD. LIGHTWEIGHT LOW SHRINKAGE		1,843	CY	\$ 3,686,000.00
68085	COVER DEPTH SURVEY		7,485	SY	\$ 33,682.50
68090	BRIDGE DECK GROOVING		7,100	SY	\$ 92,300.00
65204	CORROSION RESISTANT REINF. STEEL CL. III	P	434,804	LB	\$ 2,717,525.00
68172	CRACK REPAIR TYPE B (EPOXY INJECTION)		285	LF	\$ 116,850.00
68192	BEARING AND ANCHOR BOLT REPLACEMENT		228	EA	\$ 524,400.00
68590	JACKING AND BLOCKING		228	EA	\$ 319,200.00

TAB 3

Proposed Monthly
Payment Schedule

I-81 Widening Design Build

State Project 0081-007-013
I-81 Widening MM 221 to MM 225

PROPOSED MONTHLY PAYMENT SCHEDULE

Period Ending (Month)	Projected Monthly Total:	Projected Cumulative Total:
May 2023	\$1,899,891	\$1,899,891
June 2023	\$895,359	\$2,795,250
July 2023	\$895,359	\$3,690,610
August 2023	\$895,359	\$4,585,969
September 2023	\$895,359	\$5,481,328
October 2023	\$895,359	\$6,376,688
November 2023	\$895,359	\$7,272,047
December 2023	\$895,359	\$8,167,407
January 2024	\$895,359	\$9,062,766
February 2024	\$895,359	\$9,958,125
March 2024	\$895,359	\$10,853,485
April 2024	\$895,359	\$11,748,844
May 2024	\$895,359	\$12,644,204
June 2024	\$895,359	\$13,539,563
July 2024	\$895,359	\$14,434,922
August 2024	\$1,778,033	\$16,212,956
September 2024	\$2,739,126	\$18,952,082
October 2024	\$2,434,432	\$21,386,514
November 2024	\$2,911,126	\$24,297,640
December 2024	\$3,919,249	\$28,216,889
January 2025	\$3,917,637	\$32,134,526
February 2025	\$3,723,038	\$35,857,564
March 2025	\$3,723,038	\$39,580,602
April 2025	\$3,893,911	\$43,474,512
May 2025	\$3,252,154	\$46,726,666
June 2025	\$3,252,154	\$49,978,820
July 2025	\$3,252,154	\$53,230,974
August 2025	\$3,252,154	\$56,483,127
September 2025	\$3,252,154	\$59,735,281
October 2025	\$3,252,154	\$62,987,435
November 2025	\$3,252,154	\$66,239,589
December 2025	\$3,252,154	\$69,491,742
January 2026	\$3,252,154	\$72,743,896
February 2026	\$3,252,154	\$75,996,050
March 2026	\$3,252,154	\$79,248,203
April 2026	\$3,252,154	\$82,500,357
May 2026	\$3,026,169	\$85,526,526
June 2026	\$2,638,681	\$88,165,206
July 2026	\$2,545,735	\$90,710,942
August 2026	\$2,404,893	\$93,115,835
September 2026	\$2,404,893	\$95,520,728
October 2026	\$2,404,893	\$97,925,621
November 2026	\$2,404,893	\$100,330,514
December 2026	\$2,404,893	\$102,735,407
January 2027	\$1,608,800	\$104,344,207
February 2027	\$1,380,337	\$105,724,544
March 2027	\$1,280,858	\$107,005,401
April 2027	\$1,233,929	\$108,239,330
May 2027	\$1,233,929	\$109,473,258
June 2027	\$767,328	\$110,240,586
July 2027	\$44,414	\$110,285,000
		\$110,285,000.00

TAB 4

Price Adjustment
Information and Forms

TAB 4: Price Adjustment
Information and Forms

EXHIBIT 6.3(a)
ADJUSTMENT FOR ASPHALT

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

June 26, 2018

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)

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

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

**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: 2/15/2023

Signature: 

Design-builder: Branch Civil, Inc.

Vendor No.: B319

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.

Sample Calculation of a Price Adjustment (increase)

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

$$B = \$0.2816$$

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

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

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

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

Sample Calculation of a Price Adjustment (decrease)

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.

ITEM NUMBER	ITEM DESCRIPTION	UNITS	Number WPU used in \$ adjust.
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: 2/15/2023

Signature: _____

Design-Builder: Branch Civil, Inc.

Vendor No.: B319

TAB 5

Proposal Guaranty

TAB 5:
Proposal Guaranty

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
PROPOSAL GUARANTY

KNOW ALL MEN BY THESE PRESENTS, THAT WE Branch Civil, Inc. As
Hartford Fire Insurance Company
principal, and 4490 Cox Road, Glen Allen, VA 23060
One Hartford Plaza, Hartford, CT 06155 - 0001 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 15th Day of February, 20 23

WHEREAS, the above said principal is herewith submitting its proposal for: I-81 Widening MM 221 to MM 225
PROJECT NUMBER: State Project No.: 0081-007-013, B638, B639, B640, B641, B642, C501, D602,
D603, P101, R201 Federal Project No.: NHPP-081-2(329)
RFQ No.: C00116269DB116

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 Civil, Inc.

Hartford Fire Insurance Company

(Principal*)

(Surety Company)

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

By: [Signature]
(Attorney-in-Fact**) (Seal)
Jaclyn Thomas, Attorney-in-Fact

(Principal*)

One Hartford Plaza, Hartford, CT 06155 - 0001
(Address)

By: _____
(Officer, Partner or Owner) (Seal)

By: _____
(Surety Company)

(Principal*)

By: _____
(Attorney-in-Fact**) (Seal)

By: _____
(Officer, Partner or Owner) (Seal)

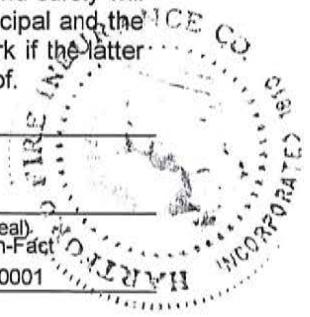
By: _____
(Address)

*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



ACKNOWLEDGEMENT OF CONTRACTOR - IF A CORPORATION

STATE OF Virginia

COUNTY OF Henrico

ON THE 15th DAY OF February, 2023 BEFORE ME PERSONALLY APPEARED Michael Colbert TO BE KNOWN, WHO, BEING BY ME DULY SWORN, DID DEPOSE AND SAY; THAT (S)HE IS THE VP Estimating OF Branch Civil, Inc. THE CORPORATION THAT EXECUTED THE FOREGOING INSTRUMENT, AND ACKNOWLEDGED TO ME THAT SUCH CORPORATION EXECUTED THE SAME.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND AFFIXED MY OFFICIAL SEAL, AT MY OFFICE IN THE ABOVE COUNTY, THE DAY AND YEAR WRITTEN ABOVE.

Molly Reed
Notary Public
Not. Reg - 349155
My commission exp - 70.31.2024



ACKNOWLEDGEMENT OF SURETY COMPANY

STATE OF New Jersey

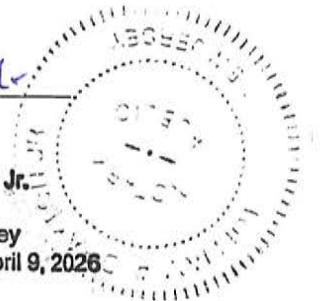
COUNTY OF Morris

ON THE 15th DAY OF February, 2023 BEFORE ME PERSONALLY APPEARED Jaclyn Thomas TO ME KNOWN, WHO BEING BY ME DULY SWORN, DID DEPOSE AND SAY; THAT (S)HE IS THE ATTORNEY-IN-FACT OF Hartford Fire Insurance Company, THE CORPORATION THAT EXECUTED THE FOREGOING INSTRUMENT, AND ACKNOWLEDGED TO ME THAT SUCH CORPORATION EXECUTED THE SAME.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND AFFIXED MY OFFICIAL SEAL, AT MY OFFICE IN THE ABOVE COUNTY, THE DAY AND YEAR WRITTEN ABOVE.

William A. Drayton Jr.
Notary Public

William A. Drayton Jr.
Notary Public
State of New Jersey
My commission expires April 9, 2026



POWER OF ATTORNEY

Direct Inquiries/Claims to:

THE HARTFORD
BOND, T-11
One Hartford Plaza
Hartford, Connecticut 06155
Bond.Claims@thehartford.com

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

KNOW ALL PERSONS BY THESE PRESENTS THAT:

Agency Name: AMERICAN GLOBAL LLC

Agency Code: 21-212039

- 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 :**

Marisol Mojica, Krystal L. Stravato, Jaclyn Thomas, Kevin T. Walsh, Jr., of Whippany NJ, Ricardo Davila, William Griffin, Michael Marino, Vivian Santiago, Torre Taylor of MIAMI, Florida

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 23, 2016 the Companies have caused these presents to be signed by its Assistant 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.



Shelby Wiggins

Shelby Wiggins, Assistant Secretary

Joelle L. LaPierre

Joelle L. LaPierre, Assistant Vice President

STATE OF FLORIDA

COUNTY OF SEMINOLE

ss. Lake Mary

On this 20th day of May, 2021, before me personally came Joelle LaPierre, to me known, who being by me duly sworn, did depose and say: that (s)he resides in Seminole County, State of Florida; that (s)he is the Assistant Vice President of the Companies, the corporations described in and which executed the above instrument; that (s)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 (s)he signed his/her name thereto by like authority.



Jessica Ciccone

Jessica Ciccone
My Commission HH 122280
Expires June 20, 2025

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 February 15, 2023.

Signed and sealed in Lake Mary, Florida.



Keith D. Dozois

Keith D. Dozois, Assistant Vice President

HARTFORD FIRE INSURANCE COMPANY

Hartford, Connecticut

Financial Statement, December 31, 2021

Statutory Basis

ASSETS

U.S. Government Bonds	\$ 1,089,309,403
Bonds of Other Governments	176,571,749
State, County and Municipal Bonds	1,218,163,949
Miscellaneous Bonds	5,948,359,415
Stocks	6,205,376,908
Short Term Investments	41,674,986
	\$ 14,679,456,410
Real Estate	\$ 315,811,915
Cash	68,217,813
Agents' Balances (Under 90 Day)	3,011,823,597
Other Invested Assets	3,952,823,715
Miscellaneous	3,738,110,067
Total Admitted Assets	\$ 25,766,243,517

LIABILITIES

Reserve for Claims and Claim Expense.....	\$ 10,151,924,943
Reserve for Unearned Premiums	2,200,283,164
Reserve for Taxes, License and Fees	45,080,248
Miscellaneous Liabilities	1,625,602,623
Total Liabilities	\$ 14,022,890,978
Capital Paid In	\$ 55,320,000
Surplus	11,688,032,539
Surplus as regards Policyholders.....	\$ 11,743,352,539
Total Liabilities, Capital and Surplus	\$ 25,766,243,517

STATE OF FLORIDA
SEMINOLE COUNTY
CITY OF LAKE MARY

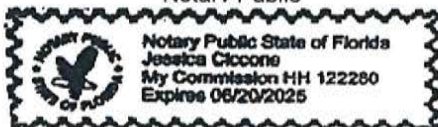
} ss.

Joelle L. LaPierre, Assistant Vice President and Shelby Wiggins, Assistant Secretary of the Hartford Fire Insurance Company, being duly sworn, each deposes and say that the foregoing is a true and correct statement of the said company's financial condition as of December 31, 2021.

Subscribed and sworn to before me this
25th day of March, 2022.

Jessica Ciccone

Notary Public



Joelle L. LaPierre
Assistant Vice President

Shelby Wiggins
Assistant Secretary

TAB 6

Sworn Statement Forms -
C104, C105, Attachments
4.7.6(a) and 4.7.6(b)

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION**

PROJECT: I-81 Widening MM 221 to MM 225

FHWA: NHPP-081-2(329)

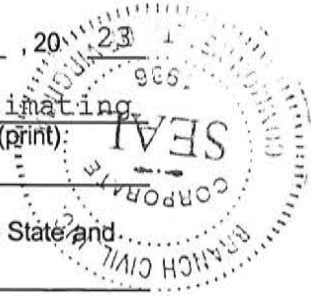
This form must be completed, signed and returned with bid; and failure to do so may result in the rejection of your bid. **THE CONTRACTOR SHALL AFFIRM THE FOLLOWING STATEMENT EITHER BY SIGNING THE AFFIDAVIT AND HAVING IT NOTARIZED OR BY SIGNING THE UNSWORN DECLARATION UNDER PENALTY OF PERJURY UNDER THE 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 15th day of February, 2023
Branch Civil, Inc. County (City), STATE
Branch Civil, Inc. By: [Signature] VP, Estimating
(Name of Firm) (Signature) Title (print):
STATE of Virginia COUNTY (CITY) of Henrico



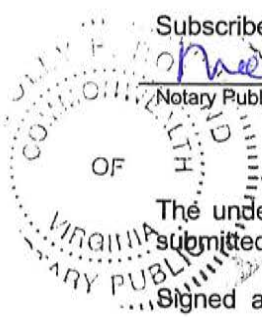
I Molly F. Roland, a Notary Public in and for the State and
County(City) aforesaid, hereby certify that this day Michael Colbert
personally appeared before me and made oath that he is duly authorized to make the above statements
and that such statements are true and correct.

Subscribed and sworn to before me this 15th day of February, 20 2023
[Signature] My Commission expires 10/31/2024
Notary Public Not. Reg 349155

**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: I-81 Widening MM 221 to MM 225

FHWA: NHPP-081-2(329)

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, NCX</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.

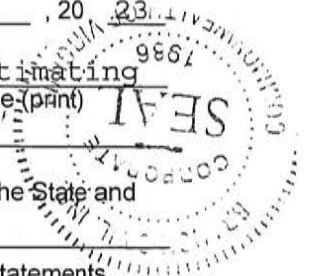
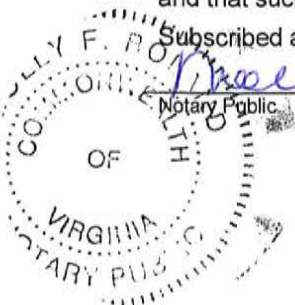
Explanations will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any explanation noted, indicate below to whom it applies, initiating agency, and dates of action. Providing false information may result in federal criminal prosecution or administration 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 15 day of February, 20 23
County (City), STATE
Branch Civil, Inc. By: [Signature] VP, 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 15th day of February, 20 2023
[Signature] My Commission expires 10/31/2024
Notary Public Not. Reg.: 349155





**BRANCH
CIVIL**



3635 Peters Creek Road NW
Roanoke, VA 24019
Phone: 540.982.1678

www.branchcivil.com | www.wrallp.com