

PRICE PROPOSAL



I-95 SOUTHBOUND CD LANES – RAPPAHANNOCK RIVER CROSSING

STAFFORD COUNTY / CITY OF FREDERICKSBURG, VIRGINIA

STATE PROJECT NO.: 0095-11-259, P101, R201, C501; 0095-089-741

FEDERAL PROJECT NO.: IM-5111(235)

CONTRACT ID NUMBER: C00101595DB94



DECEMBER 19, 2017



December 19, 2017

Mr. Suril R. Shah, P.E.
Alternative Project Delivery Division
Virginia Department of Transportation
1401 East Broad Street
Annex Building, 8th Floor
Richmond, Virginia 23219

RE: **I-95 Southbound CD Lanes – Rappahannock River Crossing**
State Project No.: 0095-111-259, P101, R201, C501; 0095-089-741
Federal Project No.: IM-5111(235)
Contract ID Number: C00101595DB94

Dear Mr. Shah,

The Lane Construction Corporation (LANE) is pleased to submit our Price Proposal for the above referenced Design-Build project with the Virginia Department of Transportation (VDOT). Our response contains all information requested in the RFP dated July 18, 2017 and Addenda 1, 2, 3, 4, 5, 6, 7 and 8.

The LANE Team appreciates the opportunity to propose on this critically important project. We look forward to partnering with VDOT to make the I-95 Southbound CD Lanes – Rappahannock River Crossing project a landmark success for the citizens of Virginia.

Should you have any additional questions, I can be contacted by phone at (703) 225-7599 or e-mail at AAlkouraishi@laneconstruct.com.

Respectfully,

A handwritten signature in blue ink, appearing to read "Ali Alkouraishi", written over a light blue horizontal line.

Ali Alkouraishi
Pursuit Manager
The Lane Construction Corporation

ATTACHMENT 4.0.1.2

**DESIGN-BUILD PRICE PROPOSAL
CHECKLIST**

**Project Name: I-95 Southbound CD Lanes – Rappahannock River Crossing
Project
Contract ID Number: C00101595DB94**

➤ Contents of Price Proposal:

- Base Scope, and Option #1** Cost Breakdown Summary in whole numbers and the Proposal Price, in both numbers and words (Attachment 4.8.1)
 - Schedule of Items itemized **for Base Scope, and Option #1** in accordance with Part 1, Section 4.8.2, including material quantities and costs of each proposed work package
 - Proposed Monthly Payment Schedule **for Base Scope, and Option #1** showing the anticipated schedule on which funds will be required and associated value of work in accordance with Part 1, Section 4.8.3
 - Price Adjustment Information and Forms for Fuel and Asphalt, **for Base Scope, and Option #1** 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 **, and Option #1**
 - Sworn Statement Forms (C-104, C-105, Attachments 4.8.6(a) and 4.8.6(b))
 - CD-ROM containing the entire Price Proposal in a single cohesive Adobe PDF file
-

ATTACHMENT 3.6

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION**

RFP NO. C00101595DB94
PROJECT NO.: 0095-111-259, P101, R201, C501; 0095-089-741

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 | <u>RFP – July 18, 2017</u>
(Date) |
| 2. Cover letter of | <u>RFP Addendum #1 – August 25, 2017</u>
(Date) |
| 3. Cover letter of | <u>RFP Addendum #2 – September 1, 2017</u>
(Date) |
| 4. Cover letter of | <u>RFP Addendum #3 – September 28, 2017</u>
(Date) |
| 5. Cover letter of | <u>RFP Addendum #4 – October 23, 2017</u>
(Date) |
| 6. Cover letter of | <u>RFP Addendum #5 – October 26, 2017</u>
(Date) |
| 7. Cover letter of | <u>RFP Addendum #6 – November 3, 2017</u>
(Date) |
| 8. Cover letter of | <u>RFP Addendum #7 – December 5, 2017</u>
(Date) |
| 9. Cover letter of | <u>RFP Addendum #8 – December 12, 2017</u>
(Date) |



SIGNATURE

December 19, 2017
DATE

Ali Alkouraiishi

Pursuit Manager

PRINTED NAME

TITLE

4.8.1 TOTAL PROPOSAL PRICE

ATTACHMENT 4.8.1

PRICE PROPOSAL FORM

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

Price Proposal Cost Breakdown Summary;

A. Base Scope

Design Services, LS	\$ 14,791,780.41
Construction Services (exclude QA/QC), LS	\$ 81,237,786.69
Quality Assurance (QA) (Construction), LS	\$ 4,450,000.00
Quality Control (QC) (Construction), LS	\$ 4,800,000.00
Base Scope - Subtotal	\$ 105,279,567.10

B. Option #1

<u>Design Services, LS</u>	<u>\$ 325,000.00</u>
<u>Construction Services (exclude QA/QC), LS</u>	<u>\$ 3,339,432.90</u>
<u>Quality Assurance (QA) (Construction), LS</u>	<u>\$ 175,000.00</u>
<u>Quality Control (QC) (Construction), LS</u>	<u>\$ 195,000.00</u>
<u>Option #1 - Subtotal</u>	<u>\$ 4,034,432.90</u>

Total Proposal Price (**Base Scope Subtotal + Option #1 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): One hundred nine million three hundred fourteen thousand
dollars and zero cents (\$ 109,314,000.00)

Signature:  Date: December 19, 2017

Design-Builder: The LANE Construction Corporation

Vendor No.: L002

4.8.2 SCHEDULE OF ITEMS

Attachment 4.8.2 (a)
State Project 0095-111-259, P101, R201, C501
I-95 Southbound CD Lanes – Rappahannock River Crossing Project
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: 12/19/2017

VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
00104	PROJECT DESIGN		1	LS	\$ 14,791,780.41
25595	QUALITY CONTROL		1	LS	\$ 4,800,000.00
25593	QUALITY ASSURANCE		1	LS	\$ 4,450,000.00
49013	DRY UTILITY RELOCATION COSTS		1	LS	\$ 200,000.00
28551	WETLAND MITIGATION CREDITS		1	LS	\$ 900,000.00
25561	FORMAL PARTNERING		1	LS	\$ 50,000.00
00105*	PUBLIC COMMUNICATION/OUTREACH		1	LS	\$ 350,000.00
24330	INCIDENT MANAGEMENT PLAN		1	LS	\$ 15,000.00
00100	MOBILIZATION		1	LS	\$ 5,450,000.00
85130	BONDS & INSURANCE		1	LS	\$ 1,002,000.00
00101	CONSTRUCTION SURVEYING		48	MO	\$ 1,440,000.00
00109	UTILITY LOCATING (TEST PITS)		40	EA	\$ 22,000.00
00111	CLEARING AND GRUBBING		46	ACRE	\$ 598,000.00
00120	REGULAR EXCAVATION	fuel	326080	CY	\$ 2,608,640.00
00150	BORROW EXCAVATION	fuel	66348	CY	\$ 663,480.00
00141	NS BORROW EXCAVATION MIN CBR-5	fuel	82705	CY	\$ 992,460.00
00585	UNDERDRAIN UD-4 MOD.		20625	LF	\$ 185,625.00
00588	UNDERDRAIN UD-4		47725	LF	\$ 334,075.00
00590	COMB UNDERDRAIN CD-1		300	LF	\$ 4,800.00
00591	COMB UNDERDRAIN CD-2		180	LF	\$ 3,240.00
00595	OUTLET PIPE		4830	LF	\$ 86,940.00
00596	EW-12		165	EA	\$ 82,500.00
00700	POST INSTALLATION INSPECTION		85076	LF	\$ 212,690.00
00522	CONCRETE CLASS A4 BOX CULVERT	fuel	56	CY	\$ 179,200.00
00525	CONCRETE CLASS A3 MISC	fuel	238	CY	\$ 95,200.00
01152	15" PIPE		570	LF	\$ 76,950.00
01182	18" PIPE		1034	LF	\$ 134,420.00
01242	24" PIPE		1287	LF	\$ 193,050.00
01301	JACKED & BORED 30" PIPE		147	LF	\$ 110,250.00
01302	30" PIPE		281	LF	\$ 49,175.00
01361	JACKED & BORED 36" PIPE		100	LF	\$ 95,000.00
01362	36" PIPE		420	LF	\$ 84,000.00
01422	42" PIPE		401	LF	\$ 84,210.00
01480	48" PIPE		74	LF	\$ 16,650.00
01542	54" PIPE		132	LF	\$ 39,600.00
06151	15" END SECTION, ES-1 OR 2		8	EA	\$ 6,800.00
06181	18" END SECTION, ES-1 OR 2		7	EA	\$ 6,300.00
06241	24" END SECTION, ES-1 OR 2		18	EA	\$ 19,800.00
06300	30" END SECTION, ES-1 OR 2		1	EA	\$ 1,500.00

VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
06360	36" END SECTION, ES-1 OR 2		2	EA	\$ 4,600.00
06420	42" END SECTION, ES-1 OR 2		1	EA	\$ 3,000.00
07506	DROP INLET DI-5		5	EA	\$ 22,500.00
07508	DROP INLET DI-7		11	EA	\$ 44,000.00
08190	DROP INLET DI-10H		9	EA	\$ 90,000.00
08263	DROP INLET DI-10K		9	EA	\$ 117,000.00
08962	DROP INLET DI-13		8	EA	\$ 52,000.00
09056	MANHOLE MH-1 OR 2		199	LF	\$ 169,150.00
09057	FRAME & COVER MH-1		17	EA	\$ 16,150.00
14411	PIPE TIE IN		13	EA	\$ 54,600.00
14101*	REM EXIST PIPE END WALLS-ALL SIZES, TYPES		24	EA	\$ 12,600.00
14102*	REM EXIST DRAINAGE PIPE-ALL SIZES, TYPES		169	LF	\$ 9,295.00
14103*	CLEAN EXISTING & NEW STORM PIPES-ALL SIZES		9096	LF	\$ 100,056.00
68342	REPAIR EXIST.BC WINGWALL FOUNDATION AND SCOUR		10	EA	\$ 190,000.00
14104*	ABANDON EXISTING STORM PIPES-ALL SIZES		3442	LF	\$ 154,890.00
01247	REPAIR EXIST STORM PIPES		626	LF	\$ 281,700.00
	COST OF STORM DRAINAGE IN COMPLIANCE OF RFP 2.7.2		1	LS	\$ 275,000.00
09150	EROS CTRL STONE CL I EC-1	fuel	1968	TN	\$ 147,600.00
09250	SLOPE DRAIN		8	EA	\$ 8,800.00
09185	PAVED DITCH PG-2A		6128	SY	\$ 337,040.00
09185	PG-4 & MODIFIED PG-4		281	SY	\$ 56,200.00
10027	NS FULL DEPTH RECLAMATION (FDR) 10"		139297	SY	\$ 1,253,673.00
10103	AGGR. MATL. NO. 25 OR 26	fuel	3000	TN	\$ 66,000.00
10017	CEM STAB AGGR BASE MATL.TY.I NO. 21A	fuel	26294	TN	\$ 946,584.00
10062	ASPH.-STAB. OPEN-GRADED MATERIAL	fuel & asphalt	17179	TN	\$ 1,717,900.00
10113	AGG BASE MATL, TYI, NO. 21B	fuel	13439	TN	\$ 550,999.00
10416	PRIME COAT	fuel & asphalt	6502	GAL	\$ 19,506.00
10607	ASPHALT CONCRETE SM-12.5A	fuel & asphalt	3991	TN	\$ 359,190.00
10609	ASPHALT CONCRETE SM-12.5E	fuel & asphalt	41925	TN	\$ 4,192,500.00
10604	ASPHALT CONCRETE IM-19.0D	fuel & asphalt	54013	TN	\$ 4,861,170.00
10642	ASPHALT CONCRETE BM-25.0A	fuel & asphalt	59680	TN	\$ 5,072,800.00
10700	RUMBLE STRIP, ASPHALT		59260	LF	\$ 11,852.00
10628	FLEXIBLE PAVE. PLANING 0" - 2"	fuel	310215	SYI	\$ 620,430.00
11070	NS SAW-CUT ASPH CONC, 15"		41600	LF	\$ 124,800.00
12324*	ASPH CONC SHOULDER TY MC-4 (4' WIDTH)	fuel & asphalt	13007	SY	\$ 260,140.00
13212	ROW MONUMENT, RM-1 OR 2		45	EA	\$ 24,750.00
13280	GR-MGS1 (MIDWEST GUARDRAIL SYSTEM)		29566	LF	\$ 591,320.00
13286	GR-MGS2 (TANGENT END TERMINAL)		33	EA	\$ 85,800.00
13287	GR-MGS3 (TRAILING END ANCHOR)		29	EA	\$ 34,800.00
13288	GR-MGS4 (TRANSITION FROM MGS TO GR-2)		27	EA	\$ 17,550.00
13392	FIXED OBJECT ATTACH. GR-FOA-2, TY I		14	EA	\$ 36,400.00
13383	FIXED OBJECT ATTACH. GR-FOA-2, TY II		9	EA	\$ 3,600.00
13460	MB-7D		1699	LF	\$ 127,425.00
13461	MB-7E		1333	LF	\$ 366,575.00
13462	MB-7F		1327	LF	\$ 126,065.00
13462*	NS RET. WALL WITH SAFETY SHAPE		1327	LF	\$ 232,225.00
13482	MB-8A TYPE I		3884	LF	\$ 815,640.00
13483	MB-8A TYPE II		2809	LF	\$ 632,025.00

VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
13493*	BRIDGE PIER PROTECTION SYSTEM BPPS-1, 54"		1550	LF	\$ 581,250.00
13600	IMPACT ATTENUATION UNIT		1	EA	\$ 11,000.00
13631*	IMPACT ATTEN. SERVICE (MOT)		16	EA	\$ 184,000.00
13755	SOUND WALL - GROUND MOUNTED		21997	SF	\$ 989,865.00
13810	RETAINING STRUCTURE, MSE WALL		17118.32	SF	\$ 1,283,874.00
22501	FENCE FE-W1		960	LF	\$ 9,600.00
22541	LINE BRACE UNIT FE-W1		15	EA	\$ 1,725.00
22581	CORNER BRACE UNIT FE-W1		12	EA	\$ 1,500.00
22643	FENCE FE-CL		3100	LF	\$ 52,700.00
22653	LINE BRACE UNIT FE-CL		19	EA	\$ 2,565.00
22663	CORNER BRACE UNIT FE-CL		22	EA	\$ 3,520.00
22677	GATE FE-CL L-14'		3	EA	\$ 3,300.00
24100	ALLAYING DUST		24	MO	\$ 360,000.00
24152	TYPE III BARRICADE 8'		10	EA	\$ 2,500.00
24160	CONSTRUCTION SIGNS		2799	SF	\$ 83,970.00
24290	TRAFFIC BARRIER SER. CONC. MB-7D PC		45122	LF	\$ 1,128,050.00
24278	GROUP 2 CHANNELIZING DEVICES		300	EA	\$ 21,000.00
24279	PORT.CHANGEABLE MESS. SIGN		6	EA	\$ 120,000.00
24370*	MOT CREW		1	LS	\$ 1,550,000.00
24201*	TEMP MOT PAVING	fuel & asphalt	29000	SY	\$ 1,595,000.00
24201*	TEMP MOT DRAINAGE		1600	LF	\$ 72,000.00
24430	DEMOLITION OF PAVEMENT (FLEXIBLE)	fuel	60273	SY	\$ 301,365.00
24600	REMOVE EXISTING GUARDRAIL		21089	LF	\$ 36,905.75
25505	MODIFIED FIELD OFFICE TY.I		47	MO	\$ 164,500.00
25565	PROGRESS SCHEDULE BASELINE		1	LS	\$ 3,000.00
25567	PROGRESS SCHEDULE UPDATES		47	EA	\$ 28,200.00
27010*	TOPSOIL		40516	CY	\$ 486,192.00
27102	REGULAR SEED		6156	LB	\$ 61,560.00
27103	OVERSEEDING		3420	LB	\$ 13,680.00
27215	FERTILIZER (15-30-15)		5.1	TN	\$ 5,355.00
27250	LIME		68	TN	\$ 12,580.00
27299*	NS ACID-BASE ACCOUNTING TESTS		680	EA	\$ 105,400.00
27254	NS LIME TREATMENT OF ACIDIC SOILS		68	TN	\$ 27,200.00
27288	EROSION CONTROL MULCH		34	AC	\$ 74,800.00
27321	PROTECTIVE COVERING EC-2		14933	SY	\$ 22,399.50
27327	SOIL STABILIZATION MAT EC-3, TYPE C		6400	SY	\$ 25,600.00
27415	CHECK DAM, ROCK TY. II		25	EA	\$ 6,875.00
27422	DEWATERING BASIN		15	EA	\$ 9,750.00
27451	INLET PROTECTION, TYPE A		42	EA	\$ 13,650.00
27461	INLET PROTECTION, TYPE B		16	EA	\$ 4,400.00
27470*	E&S AND MISC LABOR CREW		40	MO	\$ 1,480,000.00
27471*	CONST ENTRANCE/EXIT		10	EA	\$ 40,000.00
27472*	TEMPORARY SEEDING		34	AC	\$ 51,000.00
27505	TEMP SILT FENCE		28750	LF	\$ 35,937.50
27507*	TEMP SUPER SILT FENCE		1250	LF	\$ 5,000.00
27530*	TEMP SEDIMENT TRAP		22	EA	\$ 20,900.00
27543	NS STORM WATER MGMT (BIOFILTER)		1085	SY	\$ 168,175.00
27560	TEMPORARY RISER AND OUTLET		8	EA	\$ 28,800.00

VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
27545	STORM WATER MAN. BASIN EXCAV.	fuel	20481.5	CY	\$ 245,778.00
27550	SMW-1 STRUCTURE		77	LF	\$ 65,450.00
29000*	LANDSCAPING REQUIREMENTS		1	LS	\$ 300,000.00
	SIGNING BASE SCOPE		1	LS	\$ 1,500,000.00
54042	TY. B CL. I PAVE. LINE MARK. 24"		584	LF	\$ 5,840.00
54075	TY. B CL VI PAVE LINE MARK 4" WHITE/YELLOW		8577	LF	\$ 25,731.00
54076	TY. B CL. VI PAVE. LINE MARK. 6"		139872	LF	\$ 559,488.00
54077	TY. B CL. VI PAVE. LINE MARK. 8"		10200	LF	\$ 51,000.00
54217	SNOW PLOW. RAISED PAVE. MARK. ASPH. CONC		1780	EA	\$ 53,400.00
54240	TEMP. PAVE. MARKER 1 WAY		1081	EA	\$ 8,648.00
54105	ERAD. OF EXIST. LINEAR PAVE. MARKING		61120	LF	\$ 76,400.00
54550	CONSTR. PAVE. MARK. (TY. F) 6"		97920	LF	\$ 73,440.00
	SIGNALS BASE SCOPE		1	LS	\$ 400,000.00
	ITS BASE SCOPE		1	LS	\$ 1,250,000.00
60420	NS CONCRETE CLASS A5 LIGHTWEIGHT	fuel	2167.97	CY	\$ 2,384,767.00
60450	CONC. CL. A4 BRIDGE APPR. SLAB		101	CY	\$ 30,300.00
60452	REINF. STEEL BRIDGE APPR. SLAB		15120	LB	\$ 15,120.00
60490	BRIDGE DECK GROOVING		7750.66	SY	\$ 31,002.64
68108	STR. STEEL GIRDER		1	LS	\$ 7,000,000.00
62049*	BRIDGE PARAPET 42"		2490	LF	\$ 622,500.00
64011	STRUCTURE EXCAVATION	fuel	2162	CY	\$ 183,770.00
64015	SELECT BACKFILL		2937	TN	\$ 73,425.00
64032	GEOCOMPOSITE WALL DRAIN		573.4	SY	\$ 8,601.00
64036	PIPE UNDERDRAIN 6"		269.36	LF	\$ 8,080.80
64101	DYNAMIC PILE TEST		2	EA	\$ 8,000.00
64112	STEEL PILES 14"		1008	LF	\$ 85,680.00
65013	CONCRETE CLASS A3	fuel	4091.87	CY	\$ 2,250,528.50
65200	REINF. STEEL		1418826	LB	\$ 1,418,826.00
65212	CORROSION RESISTANT REINF. STEEL CL. II		24450	LB	\$ 73,350.00
65213	CORROSION RESISTANT REINF. STEEL CL. III		498633	LB	\$ 1,495,899.00
62405	TOOTH EXPANSION JOINT ASSEMBLY 2.25"		114.68	LF	\$ 149,084.00
67400	DECK DRAINAGE SYSTEM		1	LS	\$ 75,000.00
67910	NS NBIS ACCESS		5	DAY	\$ 10,500.00
68900	NS REMOVE EXIST STRUCTURE		1	LS	\$ 4,300.00
69012	SUPPORT OF EXCAVATION		3639	SF	\$ 272,925.00
66116	NS TEMP. CAUSEWAY		1	LS	\$ 825,000.00
66121	NS COFFERDAMS		2	EA	\$ 250,000.00
67904	NS BRIDGE INCIDENTALS ACCESS ROADS		1	LS	\$ 35,000.00
67904	NS BRIDGE INCIDENTALS MASS CONCRETE		1	LS	\$ 175,000.00
60404	CONCRETE CLASS A4	fuel	1066	CY	\$ 906,100.00
60450	CONC. CL. A4 BRIDGE APPR. SLAB		490	CY	\$ 220,500.00
60452	REINF. STEEL BRIDGE APPR. SLAB		93105	LB	\$ 93,105.00
60490	BRIDGE DECK GROOVING		2914	SY	\$ 23,312.00
68108	STR. STEEL GIRDER, A709 GR 50W		1045218	LB	\$ 2,090,436.00
62049*	BRIDGE PARAPET 42"		1086	LF	\$ 244,350.00
64011	STRUCTURE EXCAVATION	fuel	7922	CY	\$ 79,220.00
64015	SELECT BACKFILL		16022.6	TN	\$ 400,565.00
64032	GEOCOMPOSITE WALL DRAIN		134	SY	\$ 16,750.00

VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
64036	PIPE UNDERDRAIN 6"		570	LF	\$ 9,120.00
64101	DYNAMIC PILE TEST		6	EA	\$ 18,000.00
64112	STEEL PILES 12"		6551	LF	\$ 458,570.00
65013	CONCRETE CLASS A3	fuel	160	CY	\$ 136,000.00
65212	CORROSION RESISTANT REINF.STEEL CL. II		30386	LB	\$ 91,158.00
65213	CORROSION RESISTANT REINF.STEEL CL. III		229206	LB	\$ 687,618.00
67910	NS NBIS ACCESS		9	DAY	\$ 4,050.00
68900	NS REMOVE EXIST STRUCTURE		1	LS	\$ 375,000.00
69012	SUPPORT OF EXCAVATION		1	LS	\$ 300,000.00

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

Attachment 4.8.2 (b)
State Project 0095-111-259, P101, R201, C501
I-95 Southbound CD Lanes – Rappahannock River Crossing Project
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: 12/19/2017

VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
00104	PROJECT DESIGN		1	LS	\$ 325,000.00
25595	QUALITY CONTROL		1	LS	\$ 195,000.00
25593	QUALITY ASSURANCE		1	LS	\$ 175,000.00
28551	WETLAND MITIGATION CREDITS		1	LS	\$ 105,000.00
00100	MOBILIZATION		1	LS	\$ 30,000.00
85130	BONDS & INSURANCE		1	LS	\$ 25,000.00
00101	CONSTRUCTION SURVEYING		1	MO	\$ 25,000.00
00120	REGULAR EXCAVATION	fuel	6933	CY	\$ 103,995.00
00150	BORROW EXCAVATION	fuel	15327	CY	\$ 153,270.00
00141	NS BORROW EXCAVATION MIN CBR-5	fuel	5744	CY	\$ 57,440.00
00585	UNDERDRAIN UD-4 MOD.		1076	LF	\$ 8,608.00
00588	UNDERDRAIN UD-4		2830	LF	\$ 19,810.00
00595	OUTLET PIPE		210	LF	\$ 3,360.00
00596	EW-12		7	EA	\$ 3,150.00
08263	DROP INLET DI-10K		6	EA	\$ 72,000.00
09056	MANHOLE MH-1 OR 2		5	LF	\$ 6,000.00
09057	FRAME & COVER MH-1		1	EA	\$ 750.00
10027	NS FULL DEPTH RECLAMATION (FDR) 10"		5520	SY	\$ 49,680.00
10103	AGGR. MATL. NO. 25 OR 26	fuel	40	TN	\$ 720.00
10017	CEM STAB AGGR BASE MATL.TY.I NO. 21A	fuel	5415	TN	\$ 189,525.00
10062	ASPH.-STAB. OPEN-GRADED MATERIAL	fuel & asphalt	1480	TN	\$ 148,000.00
10113	AGG BASE MATL, TYI, NO. 21B	fuel	425	TN	\$ 13,600.00
10416	PRIME COAT	fuel & asphalt	1532	GAL	\$ 4,596.00
10607	ASPHALT CONCRETE SM-12.5A	fuel & asphalt	141	TN	\$ 18,330.00
10609	ASPHALT CONCRETE SM-12.5E	fuel & asphalt	2810	TN	\$ 281,000.00
10604	ASPHALT CONCRETE IM-19.0D	fuel & asphalt	3163	TN	\$ 268,855.00
10642	ASPHALT CONCRETE BM-25.0A	fuel & asphalt	5241	TN	\$ 366,870.00
10628	FLEXIBLE PAVE. PLANING 0" - 2"	fuel	14026	SYI	\$ 28,052.00
11070	NS SAW-CUT ASPH CONC, 15"		7800	LF	\$ 23,400.00
12324*	ASPH CONC SHOULDER TY MC-4 (4' WIDTH)	fuel & asphalt	606.67	SY	\$ 15,166.75
13280	GR-MGS1 (MIDWEST GUARDRAIL SYSTEM)		1365	LF	\$ 21,840.00
13460	MB-7D		3272	LF	\$ 229,040.00
13600	IMPACT ATTENUATION UNIT		1	EA	\$ 9,000.00
22501	FENCE FE-W1		900	LF	\$ 7,200.00
22541	LINE BRACE UNIT FE-W1		12	EA	\$ 1,200.00
22581	CORNER BRACE UNIT FE-W1		8	EA	\$ 880.00
24100	ALLAYING DUST		1	MO	\$ 14,000.00
24370*	MOT CREW		1	LS	\$ 35,000.00
24430	DEMOLITION OF PAVEMENT (FLEXIBLE)	fuel	2635	SY	\$ 10,540.00

4.8.3 PROPOSED MONTHLY PAYMENT SCHEDULE

The Lane Construction Corporation		I-95 Southbound CD Lanes - Rappahannock River Cr	
90 Fieldstone Court		Contract ID Number: C00101595DB94	
Cheshire, CT 06410		Proposed Monthly Payment Schedule	
		Bid Date: December 19, 2017	
Month	Year	Monthly Draw	Cumulative Draw
January	2018	\$ -	\$ -
February	2018	\$ 5,562,000	\$ 5,562,000
March	2018	\$ 3,334,000	\$ 8,896,000
April	2018	\$ 3,339,000	\$ 12,235,000
May	2018	\$ 1,816,000	\$ 14,051,000
June	2018	\$ 1,946,000	\$ 15,997,000
July	2018	\$ 4,057,000	\$ 20,054,000
August	2018	\$ 5,704,000	\$ 25,758,000
September	2018	\$ 2,201,000	\$ 27,959,000
October	2018	\$ 2,234,000	\$ 30,193,000
November	2018	\$ 1,915,000	\$ 32,108,000
December	2018	\$ 1,413,000	\$ 33,521,000
January	2019	\$ 1,896,000	\$ 35,417,000
February	2019	\$ 1,668,000	\$ 37,085,000
March	2019	\$ 1,405,000	\$ 38,490,000
April	2019	\$ 1,311,000	\$ 39,801,000
May	2019	\$ 1,593,000	\$ 41,394,000
June	2019	\$ 3,151,000	\$ 44,545,000
July	2019	\$ 2,709,000	\$ 47,254,000
August	2019	\$ 2,904,000	\$ 50,158,000
September	2019	\$ 3,119,000	\$ 53,277,000
October	2019	\$ 2,976,000	\$ 56,253,000
November	2019	\$ 2,430,000	\$ 58,683,000
December	2019	\$ 2,120,000	\$ 60,803,000
January	2020	\$ 4,494,000	\$ 65,297,000
February	2020	\$ 4,149,000	\$ 69,446,000
March	2020	\$ 4,824,000	\$ 74,270,000
April	2020	\$ 3,121,000	\$ 77,391,000
May	2020	\$ 3,291,000	\$ 80,682,000
June	2020	\$ 3,100,000	\$ 83,782,000
July	2020	\$ 3,587,000	\$ 87,369,000
August	2020	\$ 2,160,000	\$ 89,529,000
September	2020	\$ 1,643,000	\$ 91,172,000
October	2020	\$ 1,728,000	\$ 92,900,000
November	2020	\$ 1,626,000	\$ 94,526,000
December	2020	\$ 2,424,000	\$ 96,950,000
January	2021	\$ 1,542,000	\$ 98,492,000
February	2021	\$ 1,773,000	\$ 100,265,000
March	2021	\$ 1,340,000	\$ 101,605,000
April	2021	\$ 1,110,000	\$ 102,715,000
May	2021	\$ 1,377,000	\$ 104,092,000
June	2021	\$ 1,483,000	\$ 105,575,000
July	2021	\$ 1,483,000	\$ 107,058,000

The Lane Construction Corporation		I-95 Southbound CD Lanes - Rappahannock River Cr	
90 Fieldstone Court		Contract ID Number: C00101595DB94	
Cheshire, CT 06410		Proposed Monthly Payment Schedule	
		Bid Date: December 19, 2017	
Month	Year	Monthly Draw	Cumulative Draw
August	2021	\$ 1,258,000	\$ 108,316,000
September	2021	\$ 63,000	\$ 108,379,000
October	2021	\$ 58,000	\$ 108,437,000
November	2021	\$ 58,000	\$ 108,495,000
December	2021	\$ 62,000	\$ 108,557,000
January	2022	\$ 62,000	\$ 108,619,000
February	2022	\$ 62,000	\$ 108,681,000
March	2022	\$ 62,000	\$ 108,743,000
April	2022	\$ 135,000	\$ 108,878,000
May	2022	\$ 145,000	\$ 109,023,000
June	2022	\$ 145,000	\$ 109,168,000
July	2022	\$ 146,000	\$ 109,314,000
August	2022	\$ -	\$ 109,314,000
September	2022	\$ -	\$ 109,314,000
October	2022	\$ -	\$ 109,314,000
November	2022	\$ -	\$ 109,314,000
December	2022	\$ -	\$ 109,314,000

4.8.4 PRICE ADJUSTMENT INFORMATION

EXHIBIT 6.3(a)
ADJUSTMENT FOR ASPHALT

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

July 18, 2017

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

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

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

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

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

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

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

ITEM	DESCRIPTION	UNITS	SPECIFICATION
10062	Asphalt-Stab. Open-Graded Material	Ton	313
10416	Liquid Asphalt	Gal	311 312
10420	Blotted Seal Coat Ty. B	Sy	ATTD
10422	Blotted Seal Coat Ty. C	Sy	ATTD
10423	Blotted Seal Coat Ty. C-1	Sy	ATTD
10424	Blotted Seal Coat Ty. D	Sy	ATTD
10598	Ns Asphalt Concrete	Ton	315
10606	Asphalt Concrete Ty. SM-9.5	Ton	315
10607	Asphalt Concrete Ty. SM-12.5A	Ton	315
10608	Asphalt Concrete Ty. SM-12.5D	Ton	315
10609	Asphalt Concrete Ty. SM-12.5E (76-22)	Ton	315
10610	Asphalt Concrete Ty. IM-19.0A	Ton	315
10611	Asphalt Concrete Ty. IM-19.0D	Ton	315
10612	Asphalt Conc. Base Cr. Ty. BM-25.0	Ton	315
10613	Asphalt Concrete Ty. BM-37.5	Ton	315
10635	Asphalt Concrete Ty. SM-9.5A	Ton	315
10636	Asphalt Concrete Ty. SM-9.5D	Ton	315
10637	Asphalt Concrete Ty. SM-9.5E (76-22)	Ton	315
10639	Asphalt Concrete Ty. SM-19.0	Ton	315
10642	Asphalt Concrete Ty. BM-25.0A	Ton	315
10643	Asphalt Concrete Ty. BM-25.0D	Ton	315
10650	Stone Matrix Asphalt SMA-9.5(70-22)	Ton	317
10651	Stone Matrix Asphalt SMA-9.5(76-22)	Ton	317
10652	Stone Matrix Asphalt SMA-12.5(70-22)	Ton	317
10653	Stone Matrix Asphalt SMA-12.5(76-22)	Ton	317
10654	Stone Matrix Asphalt SMA-19.0(70-22)	Ton	317
10655	Stone Matrix Asphalt SMA-19.0(76-22)	Ton	317
10701	Liquid Asphalt Coating	Sy	ATTD
12505	Asphalt Concrete Curb Backup Material	Ton	315
13240	Asphalt Concrete Sidewalk	Ton	504
16110	Emul. Asph. Slurry Seal Type A	Sy	ATTD
16120	Emul. Asph. Slurry Seal Type B	Sy	ATTD
16130	Emul. Asph. Slurry Seal Type C	Sy	ATTD
16144	Latex Mod. Emul. Treat. Type B	Ton	ATTD
16145	Latex Mod. Emul. Treat. Type C	Ton	ATTD
16146	Latex Mod. Emul. Treat. Ruffilling	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
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 (76-22)	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 (76-22)	Ton	315
16365	Asphalt Concrete Ty. IM-19.0A	Ton	315
16370	Asphalt Concrete Ty. IM-19.0D	Ton	315
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(70-22)	Ton	ATTD
16401	Stone Matrix Asphalt SMA-9.5(76-22)	Ton	ATTD
16402	Stone Matrix Asphalt SMA-12.5(70-22)	Ton	ATTD
16403	Stone Matrix Asphalt SMA-12.5(76-22)	Ton	ATTD
16404	Stone Matrix Asphalt SMA-19.0(70-22)	Ton	ATTD
16405	Stone Matrix Asphalt SMA-19.0(76-22)	Ton	ATTD
16490	Hot Mix Asphalt Treatment	Ton	ATTD
16500	Surf.Preparation & Restoration Type I	Ton	ATTD
16502	Surf.Preparation & Restoration Type li	Ton	ATTD
16504	Surf.Preparation & Restoration Type lii	Ton	ATTD
67201	NS Asphalt Concrete Overlay	Ton	315
67210	NS Asphalt Concrete	Ton	315
68240	NS Asphalt Concrete	Ton	315

Exhibit 6.3(b)

Form C-16a
August 9, 2013

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
ASPHALT PRICE ADJUSTMENT (PG 76-22 or PG 70-28)
DESIGN-BUILD PROJECTS**

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

PROJECT NUMBER:

DISTRICT:

Bid Prices in this contract for items containing PG 76-22 or PG 70-28 asphalt cement were developed using an f.o.b.

price of \$ 529 ²⁵/₁₀₀ per IMPERIAL ton for PG 76-22 or PG 70-28. This quote is project specific.

Price quotes signed by each supplier from which the Design-Builder proposes to obtain PG 76-22 or PG 70-28 shall be maintained by the Design-Builder. These quotes shall be retained on site during the life of the Contract for review by the Engineer upon request.

DATE: December 19, 2017

SIGNATURE: _____

The Lane Construction Corporation
(Firm or Corporation)

L002

(Vendor No.)

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

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

June 30, 2011
(Revised) November 5, 2012

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

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

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

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

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

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

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

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

$$S = (E - B) QF$$

Where; S = Monetary amount of the adjustment (plus or minus)
B = Base index price

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: December 19, 2017

Signature: 

Design-builder: The Lane Construction Corporation

Vendor No.: L002

4.8.5 PROPOSAL GUARANTY

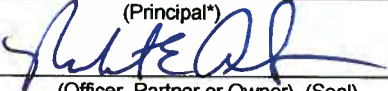
COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
PROPOSAL GUARANTY


KNOW ALL MEN BY THESE PRESENTS, THAT WE The Lane Construction Corporation As principal, and Liberty Mutual 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 12th Day of December, 20 17

WHEREAS, the above said principal is herewith submitting its proposal for: I-95 Rappahannock River Crossing: Southbound
PROJECT NUMBER: C00101595DB94 (UPC: 101595); Fredericksburg City, VA

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.

The Lane Construction Corporation
(Principal*)
By: 
(Officer, Partner or Owner) (Seal)
ROBERT E. ALGER, PRESIDENT
(Principal*)

Liberty Mutual Insurance Company
(Surety Company)
By: 
Sandra Diaz, (Attorney-in-Fact**) (Seal)
175 Berkeley Street, Boston, MA 02116
(Address)

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

(Principal*)

By: _____
(Surety Company)

(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

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 7895885

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Vivian Carti; Cynthia Farrell; Debra A. Deming; Sandra Diaz; Peter Healy; Jennifer L. Jakaitis; Francesca Kazmierczak; Aklima Noorhassan; Edward Reilly; Frances Rodriguez; Nancy Schnee; Valorie Spates; Susan A. Welsh

all of the city of New York, state of NY each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 22nd day of September, 2017.



The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

By: David M. Carey
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 22nd day of September, 2017, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Upper Merion Twp., Montgomery County
My Commission Expires March 28, 2021
Member, Pennsylvania Association of Notaries

By: Teresa Pastella
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 12th day of December, 2017.



By: Renee C. Llewellyn
Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.



90 Fieldstone Court
 Cheshire, CT 06410-1212
 203-235-3351
 203-237-4280 Fax
 www.laneconstruct.com

Resolution unanimously approved by the Board of Directors of The Lane Construction Corporation effective January 1, 2017:

VOTED: That effective January 1, 2017, rescinding all previous authorizations, the following be and hereby are authorized to sign proposals and bid bonds on behalf of this Corporation:

Robert E. Alger, President & Chief Executive Officer
Donald P. Dobbs, Executive Vice President Administration & Secretary
Mark J. Tomkalski, Executive Vice President & Chief Financial Officer
Kirk D Junco, Chief Operating Officer & Executive Vice President
David F. Benton, Executive Vice President Operational Services
Michael M. Cote, Executive Vice President & Chief Development Officer
Jay S. Cruickshank, Executive Vice President & General Counsel
Giuseppe Quarta, Executive Vice President
Dan A. Haynes, Vice President, Legal
Farid K. Hamad, Senior Vice President & Assistant Secretary
Joseph P. Lark, Senior Vice President & Assistant Secretary
David J. Rankin, Senior Vice President & Assistant Secretary
Mark A. Schiller, Senior Vice President & Assistant Secretary
Vincent J. Caiola, Vice President, Treasurer & Assistant Secretary
Thomas R. Larson, Vice President Engineering
Richard A. Bean, Senior District Manager
D. Kent Burnis, Senior District Manager
Michael C. Cuilik, Senior District Manager
George A. Hassfurter, Senior District Manager
Michael P. Holt, Senior District Manager
James O. Hughes, Senior District Manager
Rodney P. Lane, Senior District Manager
Dennis A. Luzier, Senior District Manager
Richard A. McDonough, Senior District Manager
Dennis B. O'Connor, Senior District Manager
Dyelan J. Phillips, Senior District Manager
Brian West, Senior District Manager
Louis S. D'Amico, General Manager NY Region
Dennis P. Bahls, District Manager
Paul K. Barry, District Manager
Kenneth P. Cates, District Manager
Chad M. Curran, District Manager
Christopher E. DuBois, District Manager
Gary F. Jerabek, District Manager
Kerry D. Kennedy, District Manager
Thomas C. Meador, District Manager
Jason P. McLearn, District Manager
Kenneth K. Prince, District Manager
Brad A. Regner, District Manager
John F. Roddy, District Manager
James S. Seybert, District Manager
Jan A. Sherman, District Manager
Jeffrey P. Siddens, District Manager
David M. Horton, Assistant District Manager
Eric G. Ritchie, Assistant District Manager
Ryan C. Terry, Assistant District Manager
Matthew W. Wright, Assistant District Manager
David W. Grey, Senior National Pursuit Manager
Scott A. Leach, Director, Quality
Timothy R. Kessler, Chief Estimator
John F. Rauer, Jr., Senior Plant Manager
Thomas L. Barrack, Jr., Plant Manager
Timothy C. Gaddy, Plant Manager
Lonnice C. Minson, Operations Manager - Plants
Joseph J. Spring, Plant Manager

I hereby certify that the above is a true copy of the Resolution unanimously approved by the Board of Directors of The Lane Construction Corporation effective January 1, 2017, and that the above vote has not been rescinded and stands in full force and effect as of this date.

December 12, 2017

Date



 Assistant Secretary, THE LANE CONSTRUCTION CORPORATION

December 12, 2017

Date

State of Connecticut
 County of New Haven

Personally appeared before me, Vincent J. Caiola, Assistant Secretary, and made oath that the above is a true copy of the December 20, 2016 meeting minutes of the Board of Directors of The Lane Construction Corporation.


 Patricia A. Delekta, Notary Public
 My Commission Expires July 31, 2019

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION**

PROJECT: I-95 Southbound CD Lanes - Rappahannock River Crossing

FHWA:

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 Fairfax, Virginia, this 19th day of December, 20 17
County (City), STATE

The Lane Construction Corporation By: [Signature] Senior District Manager
(Name of Firm) (Signature) Title (print)

STATE of Virginia COUNTY (CITY) of Fairfax
To-wit:

I Mary Shoemaker, a Notary Public in and for the State and
County(City) aforesaid, hereby certify that this day Richard McDonough

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 19th day of December, 20 17
[Signature] My Commission expires 4/30/2020
Notary Public

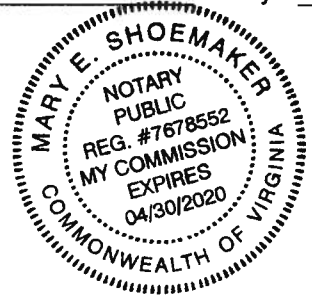
OR

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-95 Southbound CD Lanes - Rappahannock River Crossing

FHWA:

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>ARTBA</u>	<u>Washington, DC</u>
<u>AGC of America</u>	<u>Washington, DC</u>

2. I (we) have , 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 , 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 Fairfax, Virginia , this 19 day of December , 20 17
County (City), STATE

The Lane Construction Corporation By: RAMON L Senior District Manager
(Name of Firm) (Signature) Title (print)

STATE of Virginia COUNTY (CITY) of Fairfax
To-wit:

I Mary Shoemaker , a Notary Public in and for the State and
County(City) aforesaid, hereby certify that this day Richard McDonough

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 19th day of December , 20 17
Mary Shoemaker My Commission expires 4/30/2020
Notary Public





14500 AVION PARKWAY
SUITE 200
CHANTILLY, VA 20151
703.222.5670

www.laneconstruct.com