

Original

MARCH 30, 2021

Price
Proposal

I-81 WIDENING

MM 136.6 to MM 141.8

Roanoke County and
City of Salem, Virginia

State Project No.: 0081-080-946, P101,
R201, C501, B677, B678, B681, B682,
B683, B684, B685, B686, B687, B688
Federal Project No.: NHPP-0812 (330)
Contract ID Number: C00116203DB108



Lane-Corman I-81 Widening JV
in association with Rinker Design Associates, PC

March 30, 2021

Mr. Bryan Stevenson, P.E. DBIA (APD Division)
Commonwealth of Virginia
Department of Transportation (VDOT)
Alternative Project Delivery
1401 E. Broad Street
Richmond, Virginia 23219

RE: I-81 Widening MM 136.6 to MM 141.8

State Project No.: 0081-080-946, P101, R201, C501, B677, B678, B681, B682, B683, B684, B685, B686, B687, B688; Federal Project No.: NHPP-0812 (330); Contract ID Number: C00116203DB108

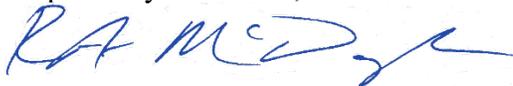
Dear Mr. Stevenson:

Lane-Corman I-81 Widening JV (**Lane-Corman**), comprised of **The Lane Construction Corporation (Lane)** and **Corman Kokosing Construction Company (Corman)**, is pleased to submit this Price Proposal for the above referenced Design-Build project to the Virginia Department of Transportation (VDOT). Our response contains all information requested in the RFP dated October 28, 2020 and Addenda 1-4.

The Lane-Corman team appreciates the opportunity to propose on this critically important project. We look forward to partnering with VDOT to make the I-81 Widening project a landmark success for the citizens of Virginia.

Should you have any additional questions, I can be contacted by phone at (703) 222-5670 or e-mail at RAMcdonough@laneconstruct.com.

Respectfully submitted,



Richard McDonough
Director, Bid Development
The Lane Construction Corporation

ATTACHMENT 4.0.1.2

**DESIGN-BUILD PRICE PROPOSAL
CHECKLIST**

**Project Name: I-81 Widening MM 136.6 to MM 141.8
Contract ID Number: C00116203DB108**

➤ **Contents of Price Proposal:**

- Cost Breakdown Summary in whole numbers and the Proposal Price, in both numbers and words (Attachment 4.78.1)**
 - Schedule of Items itemized in accordance with Part 1, Section 4.78.2, 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 4.78.3**
 - Price Adjustment Information and Forms for Fuel and Asphalt, including identification of pay items and associated quantities eligible for adjustment (Part 3, Section 6.3, Attachments 6.3)**
 - Proposal Guaranty (C-24) required by Section 102.07 of Part 5, Division I Amendments to the Standard Specifications**
 - Sworn Statement Forms (C-104, C-105, Attachments 4.78.6(a) and 4.78.6(b))**
 - Price Proposal in a single cohesive Adobe PDF file**
-

ATTACHMENT 4.7.1

PRICE PROPOSAL FORM

4.7.1 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>17,750,000.00</u>
Construction Services (exclude QA/QC), LS	\$ <u>166,802,924.00</u>
Quality Assurance (QA) (Construction), LS	\$ <u>6,170,000.00</u>
Quality Control (QC) (Construction), LS	\$ <u>4,150,000.00</u>

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

Lump Sum (LS): One hundred and ninety four million, eight hundred and seventy two thousand nine hundred and twenty four dollars (\$ 194,872,924.00)

Signature:  Date: March 30, 2021

Design-Builder: Lane-Corman I-81 Widening JV

Vendor No.: JV098

Attachment 4.7.2
State Project 0081-080-946

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: 3/30/2021

VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
00100	MOBILIZATION		1.00	LS	\$ 9,773,000.00
49013	UTILITY COORDINATION		1.00	LS	\$ 250,000.00
25593	QUALITY ASSURANCE		1.00	LS	\$ 6,170,000.00
25593	QUALITY CONTROL		1.00	LS	\$ 4,150,000.00
85130	BONDS & INSURANCE		1.00	LS	\$ 6,610,000.00
00101	CONSTRUCTION SURVEYING		56.00	MO	\$ 2,660,000.00
00104*	PROJECT MANAGEMENT		1.00	LS	\$ 18,000,000.00
00104*	SCOPE VALIDATION		1.00	LS	\$ 750,000.00
00104*	PUBLIC RELATIONS		1.00	LS	\$ 150,000.00
49013	DRY UTILITY RELOCATION		1.00	LS	\$ 90,000.00
25561	FORMAL PARTNERING		1.00	LS	\$ 21,000.00
00108	NS MONITORING INSTRUMENTATION AND MONITORING		1.00	LS	\$ 100,000.00
00111	CLEARING AND GRUBBING		44.00	AC	\$ 440,000.00
00120	REGULAR EXCAVATION	fuel	158,267.00	CY	\$ 3,956,675.00
00150	EMBANKMENT	fuel	70,741.00	CY	\$ 530,557.50
00118*	UNSUITABLE LARGE STONE OPTION		19,332.00	CY	\$ 1,159,920.00
155	GEOTEXTILE EMBANKMENT STABILIZATION		3,000.00	SY	\$ 7,500.00
355	GEOTEXTILE SUBGRADE STABILIZATION		216,432.00	SY	\$ 378,756.00
180	UTILITY TEST PIT UNPAVED		10.00	EA	\$ 5,000.00
181	UTILITY TEST PIT ASPHALT CONCRETE		10.00	EA	\$ 9,700.00
402	NS TEMPORARY SUPPORT OF EXCAVATION		1.00	LS	\$ 1,550,000.00
14103*	CLEANING PIPES/CULVERTS		26,000.00	LF	\$ 156,000.00
14103*	CLEANING INLETS		509.00	EA	\$ 101,800.00
522	CONCRETE CLASS A4 BOX CULVERT	fuel	47.00	CY	\$ 94,000.00
525	CONCRETE CLASS A3 MISC	fuel	467.00	CY	\$ 303,550.00
540	REINFORCEMENT STEEL		4,368.00	LB	\$ 8,736.00
529	FLOWABLE FILL		111.00	CY	\$ 26,085.00
588	UNDERDRAIN UD-4		103,426.00	LF	\$ 1,034,260.00
00592	CROSSDRAIN CD-1&2		2,000.00	LF	\$ 24,000.00
595	OUTLET PIPE		10,041.00	LF	\$ 200,820.00
596	ENDWALL EW-12		167.00	EA	\$ 133,600.00
1156	STORM SEWER PIPE 15"		7,409.00	LF	\$ 592,720.00
1181	JACKED & BORED 18" PIPE		137.00	LF	\$ 150,700.00
1182	18" CONC. PIPE		82.00	LF	\$ 6,150.00
1186	STORM SEWER PIPE 18"		7,933.00	LF	\$ 634,640.00
1186	18" STORM SEWER - REHAB		22.00	LF	\$ 1,870.00
1241	JACKED & BORED 24" PIPE		507.00	LF	\$ 570,375.00
1242	24" CONC. PIPE		110.00	LF	\$ 11,000.00
1246	STORM SEWER PIPE 24"		5,901.00	LF	\$ 590,100.00
1246	24" STROM SEWER PIPE - REHAB		1,163.00	LF	\$ 267,490.00
1306	STORM SEWER PIPE 30"		653.00	LF	\$ 71,830.00
01301	JACKED & BORED 30" PIPE		335.00	LF	\$ 385,250.00
1302	30" CONC. PIPE		882.00	LF	\$ 114,660.00
1302	30" STORM SEWER - REHAB		99.00	LF	\$ 34,650.00

VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
1366	36" STORM SEWER PIPE		1,327.00	LF	\$ 212,320.00
01361	JACKED & BORED 36" PIPE		52.00	LF	\$ 62,400.00
1362	36" CONC. PIPE		88.00	LF	\$ 14,960.00
1362	36" STORM SEWER PIPE - REHAB		227.00	LF	\$ 85,125.00
01426	42" STORM SEWER PIPE		39.00	LF	\$ 7,800.00
01422	42" CONC. PIPE		10.00	LF	\$ 2,500.00
01420	42" PIPE		18.00	LF	\$ 4,500.00
01420	42" STORM SEWER PIPE - REHAB		305.00	LF	\$ 122,000.00
1486	48" STORM SEWER PIPE		326.00	LF	\$ 97,800.00
1482	48" CONC. PIPE		84.00	LF	\$ 25,200.00
1482	48" PIPE		30.00	LF	\$ 9,000.00
6785	48" STORM SEWER PIPE - REHAB		923.00	LF	\$ 415,350.00
6793	54" PIPE		21.00	LF	\$ 7,350.00
6801	54" STORM SEWER - REHAB		164.00	LF	\$ 98,400.00
01602	60" CONC. PIPE		60.00	LF	\$ 33,000.00
01602	60" STORM SEWER - REHAB		887.00	LF	\$ 532,200.00
524	4'X4' CULVERT - REHAB		253.00	LF	\$ 30,360.00
524	4'X6' CULVERT - REHAB		2,545.00	LF	\$ 203,600.00
524	6'X7' CULVERT - REHAB		456.00	LF	\$ 41,040.00
524	7'X8' CULVERT - REHAB		1,362.00	LF	\$ 129,390.00
524	7'X10' CULVERT - REHAB		759.00	LF	\$ 75,900.00
6785	DROP INLET DI-2E,L=10'		8.00	EA	\$ 60,800.00
6793	DROP INLET DI-2EE,L=10'		5.00	EA	\$ 38,250.00
6801	DROP INLET DI-2F,L=10'		1.00	EA	\$ 8,000.00
7506	DROP INLET DI-5		21.00	EA	\$ 136,500.00
7508	DROP INLET DI-7		10.00	EA	\$ 70,000.00
7510	DROP INLET DI-7A		4.00	EA	\$ 21,600.00
8190	DROP INLET DI-10H TY. I,L=10'		174.00	EA	\$ 948,300.00
8222	DROP INLET DI-10I TY. I,L=10'		4.00	EA	\$ 22,000.00
8224	DROP INLET DI-10I TY. I,L=14'		1.00	EA	\$ 5,500.00
8962	DROP INLET DI-13 TY.I		2.00	EA	\$ 10,000.00
8965	DROP INLET DI-13 TY.II		3.00	EA	\$ 15,000.00
09056	MANHOLE MH-1 OR 2		190.00	LF	\$ 152,000.00
9059	FRAME & COVER MH-1		31.00	EA	\$ 24,800.00
24802	ENERGY DISSIPATOR EG-1		4.00	EA	\$ 6,400.00
9151	EROSION CONTROL STONE CLASS I, EC-1	fuel	422.00	SY	\$ 84,400.00
27326	ROLLED EROSION CONTROL PRODUCT EC-3 TYPE 2		19,569.00	SY	\$ 88,060.50
09185	PAVED DITCH PG-2A		11,066.00	SY	\$ 885,280.00
09225	PAVED DITCH PG-4		198.00	SY	\$ 31,680.00
09247	PAVED DITCH PG-7		207.00	SY	\$ 109,710.00
24703	NS REMOVE EXIST - PIPE		141.00	LF	\$ 11,280.00
9248	NS REMOVE EXIST. DROP INLET		20.00	EA	\$ 13,000.00
24802	NS REMOVE EXIST. MANHOLE		3.00	EA	\$ 1,980.00
24803	NS REMOVE EXIST. ENDWALL		35.00	EA	\$ 23,450.00
24825	NS MODIFY EXIST.		4.00	EA	\$ 3,100.00
10039	STORM WATER MANAGEMENT DRAINAGE STR. SWM-1		96.00	LF	\$ 63,360.00
10068	AGGR. MATL. NO. 1 PAVEMENT SUBBASE	fuel	76,622.00	TON	\$ 1,915,550.00
10113	AGGR. MATL. NO. 1 SLOPE	fuel	7,998.00	TON	\$ 199,950.00
10121	AGGR. BASE MATL. TY. I NO. 21A OR 21B	fuel	72,896.00	TON	\$ 1,603,712.00
10651	ASPHALT CONCRETE SMA-12.5 (64E-22)	fuel & asphalt	25,130.00	TON	\$ 4,523,400.00
10651*	ASPHALT CONCRETE, TYPE SM-9.5D	fuel & asphalt	12,027.00	TON	\$ 1,984,455.00
10616*	ASPHALT CONCRETE, TYPE BM 25.0E	fuel & asphalt	14,348.00	TON	\$ 1,721,760.00

VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
10616*	ASPHALT CONCRETE, TYPE BM 25.0D	fuel & asphalt	113,101.00	TON	\$ 11,310,100.00
10611	ASPHALT CONCRETE, TYPE IM 19.0D	fuel & asphalt	53,051.00	TON	\$ 6,100,865.00
10598	TEMPORARY ASPHALT	fuel & asphalt	19,881.00	TON	\$ 3,180,960.00
10700	RUMBLE STRIP, ASPHALT	fuel & asphalt	107,000.00	.	\$ 107,000.00
12030	STD. CURB CG-3		322.00	LF	\$ 9,660.00
12311	ASPHALT CONC. CURB MC-3		3,050.00	LF	\$ 91,500.00
13211	R/W MONUMENT RM-2		81.00	EA	\$ 8,100.00
13280	GUARDRAIL GR-MGS1		38,355.00	LF	\$ 843,810.00
13282	GUARDRAIL GR-MGS1, 9' POST		2,200.00	LF	\$ 66,000.00
13286	GUARDRAIL TERMINAL GR-MGS2		55.00	EA	\$ 143,000.00
13287	GUARDRAIL END ANCHORAGE GR-MGS3		41.00	EA	\$ 41,000.00
23560	TEMP. SAFETY FENCE 4'		31,944.00	LF	\$ 79,860.00
24602	NS REMOVE EXIST. FENCE		8,795.00	LF	\$ 43,975.00
13288	GUARDRAIL HEIGHT TRANSITION GR-MGS4		32.00	EA	\$ 32,000.00
13392	FIXED OBJECT ATTACH. GR-FOA-2 TY. I		4.00	EA	\$ 9,200.00
13393	FIXED OBJECT ATTACH. GR-FOA-2 TY.II		40.00	EA	\$ 32,000.00
13394	FIXED OBJECT ATTACH. GR-FOA-5		33.00	EA	\$ 104,775.00
13460*	MEDIAN SINGLE FACE GRADE DIFFERENTIAL BARRIER		10,400.00	LF	\$ 3,848,000.00
13462*	MEDIAN SINGLE FACE CONSTANT SLOPE BARRIER		564.00	LF	\$ 152,280.00
13476	BIFURCATED DOUBLE FACE GRADE DIFFERENTIAL BARRIER		14,400.00	LF	\$ 11,160,000.00
13477*	CONSTANT SLOPE BARRIER SHOULDER		7,580.00	LF	\$ 1,516,000.00
64901	MSE WALLS		7,183.00	SF	\$ 718,300.00
64901	SOLDIER PILE AND LAGGING WALLS		14,823.00	SF	\$ 2,223,450.00
24265	MAINTENANCE OF TRAFFIC		1.00	LS	\$ 1,500,000.00
13604	IMPACT ATTEN. SER. TY. 1 TL-3, >=40 MPH		22.00	EA	\$ 33,000.00
13750	SOUND WALL COLOR COATING		39,175.00	SY	\$ 1,958,750.00
13752	STR.MOUNTED SOUND BARR.WALL - ABSORPTIVE		4,800.00	SF	\$ 240,000.00
13755	SOUND BARRIER WALL ABSORPTIVE		347,770.00	SF	\$ 9,737,560.00
15311	REMOVE PAVEMENT MATERIAL	fuel	97,203.00	SY	\$ 972,030.00
16522	FLEXIBLE PAVEMENT PLANING 0" - 2"	fuel	87,255.00	SY	\$ 698,040.00
16523	FLEXIBLE PAVEMENT PLANING ABOVE 2" - 4"	fuel	151,787.00	SY	\$ 1,517,870.00
16524	FLEXIBLE PAVEMENT PLANING ABOVE 4"	fuel	64,568.00	SY	\$ 968,520.00
21110	MEDIAN STRIP MS-1A		310.00	SY	\$ 46,500.00
22643	FENCE FE-CL		11,956.00	LF	\$ 239,120.00
24150	TYPE 3 BARRICADE 4'		4.00	EA	\$ 720.00
24152	TYPE 3 BARRICADE 8'		4.00	EA	\$ 1,000.00
24160	TEMPORARY (CONSTRUCTION) SIGN		2,500.00	SF	\$ 50,000.00
24262	PORTABLE TEMPORARY RUMBLE STRIP ARRAY		8.00	EA	\$ 48,000.00
24120	ALLAYING DUST		10,400.00	HR	\$ 728,000.00
27440	MOWING		188.00	HR	\$ 15,980.00
00117*	LITTER PICKUP		1.00	LS	\$ 20,000.00
00117*	DEBRIS/ROADKILL REMOVAL		1.00	LS	\$ 30,000.00
10496	PAVMENET POTHOLE REPAIR		1.00	LS	\$ 40,000.00
24271	GROUP 2 LONGITUDINAL CHANNELIZING DEVICE		300.00	EA	\$ 18,000.00
24272	TRUCK MOUNTED ATTENUATOR		3,520.00	HR	\$ 158,400.00
24279	PORTABLE CHANGEABLE MESSAGE SIGN		8.00	EA	\$ 60,000.00
24281	ELECTRONIC ARROW BOARD		8.00	EA	\$ 20,000.00
24282	FLAGGER SERVICE		1,540.00	HR	\$ 46,200.00
24288	WARNING LIGHT TY. B		65.00	EA	\$ 16,575.00
24290	TRAFFIC BARRIER SERVICE CONC. MB-7D PC		107,405.00	LF	\$ 2,148,100.00
24600	REMOVE EXISTING GUARDRAIL		67,750.00	LF	\$ 203,250.00
25505	FIELD OFFICE TY.I - 3,000 SF		1.00	MO	\$ 1,000,000.00

VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
25565	PROGRESS SCHEDULE BASELINE		1.00	LS	\$ 50,000.00
25567	PROGRESS SCHEDULE UPDATES		55.00	EA	\$ 82,500.00
25591	DESIGN BUILD PRELIMINARY ENG		1.00	EA	\$ 1,500,000.00
25594	DESIGN BUILD ENGR. OVERSIGHT COSTS		1.00	EA	\$ 1,500,000.00
25596	DESIGN BUILD - PROJECT ENGINEERING		1.00	LS	\$ 14,500,000.00
26740	CONCRETE SLAB SLOPE PROTECTION 4"		2,329.00	SY	\$ 139,740.00
27217	NS FERTILIZER		46,725.00	LB	\$ 46,725.00
27013	TOPSOIL CLASS A		18,285.00	CY	\$ 201,135.00
27100	PERMANENT SEED		6,772.00	LB	\$ 111,738.00
27250	LIME		406.00	TON	\$ 47,908.00
27288	EROSION CONTROL MULCH		329,120.00	SY	\$ 164,560.00
27471*	EROSION AND SEDIMENT CONTROL MAINTENANCE CREW		36.00	MOS	\$ 1,800,000.00
27471*	CONSTRUCTION ENTRANCE		16.00	EA	\$ 80,000.00
27410	CHECK DAM ROCK TY. I		69.00	EA	\$ 207,000.00
27415	CHECK DAM ROCK TY. II		168.00	EA	\$ 252,000.00
27430	SILTATION CONTROL EXCAVATION	fuel	3,300.00	CY	\$ 132,000.00
27451	INLET PROTECTION TYPE A		59.00	EA	\$ 20,650.00
27461	INLET PROTECTION TYPE B		196.00	EA	\$ 78,400.00
27461*	INLET PROTECTION TYPE C		46.00	EA	\$ 19,550.00
27505	TEMP. SILT FENCE TYPE A		38,050.00	LF	\$ 190,250.00
27545	STORM WATER MANAGEMENT BASIN EXCAVATION	fuel	58,634.00	CY	\$ 2,931,700.00
28810	MULCHING		658.00	CY	\$ 26,320.00
28811	REMULCHING		329.00	CY	\$ 13,160.00
38900	NS PLANT OR TREE		1,016.00	EA	\$ 101,600.00
50002	PERMANENT SIGNS		7,035.00	SF	\$ 246,225.00
50300	REMOVE EXISTING 1 POST SIGN STRUCTURE		1.00	EA	\$ 10,000.00
50320	REMOVE EXISTING 1 POST SIGN PANEL		104.00	EA	\$ 20,800.00
50322	REMOVE EXISTING 2 POST SIGN PANEL		45.00	EA	\$ 22,500.00
50432	RELOVATE EXISTING 2 POST GROUND MOUNTED SIGN PANEL		5.00	EA	\$ 6,250.00
50382	NS SIGN STRUCTURE, OVERHEAD CANTILEVE		15.00	EA	\$ 900,000.00
50575	CONC. FOUND. O/H SIGN STRUCTURE		160.00	CY	\$ 640,000.00
50415	VIA SIGN POST, W12X19		148.00	LF	\$ 14,800.00
50424	VIA SIGN POST, W14X26		126.00	LF	\$ 15,750.00
50418	VIA SIGN POST, W16X40		137.00	LF	\$ 24,660.00
50419	VIA SIGN POST, W18X35		488.00	LF	\$ 78,080.00
50544	VIA SIGN POST, W18X40		41.00	LF	\$ 18,450.00
50544	VIA SIGN POST, W21X44		195.00	LF	\$ 48,750.00
50430	SIGN POST STP-1, 2", 14 GAUGE		693.00	LF	\$ 17,325.00
50432	SIGN POST STP-1, 2 3/16", 10 GAUGE		189.00	LF	\$ 3,969.00
50434	SIGN POST STP-1, 2 1/2", 10 GAUGE		709.00	LF	\$ 28,360.00
50436	SIGN POST STP-1, 2 1/2", 12 GAUGE		1,815.00	LF	\$ 54,450.00
50485	CONCRETE SIGN FOUNDATION STP-1, TYPE A		79.00	EA	\$ 23,700.00
50486	CONCRETE SIGN FOUNDATION STP-1, TYPE B		1.00	EA	\$ 650.00
50487	CONCRETE SIGN FOUNDATION STP-1, TYPE C		65.00	EA	\$ 45,500.00
50548	CONC. SIGN FOUND. VIA 3'6" DIA X 9' DEPTH		24.00	EA	\$ 72,000.00
50528	CONC. SIGN FOUND. VIA 3'0" DIA X 7' DEPTH		12.00	EA	\$ 30,000.00
50342	CONC. SIGN FOUND. VIA 3'6" DIA X 10' DEPTH		16.00	EA	\$ 72,000.00
51171	ELECTRICAL SERVICE SE-9 TYPE B		3.00	EA	\$ 60,000.00
52423	ELECTRICAL SERVICE SE-2, TYPE B		1.00	EA	\$ 5,000.00
54076	TYPE B CLASS VI PVMT LINE MRKG 6"		155,580.00	LF	\$ 622,320.00
54077	TYPE B CLASS VI PVMT LINE MRKG 8"		3,172.00	LF	\$ 15,860.00
54078	TYPE B CLASS VI PVMT LINE MRKG 12"		7,058.00	LF	\$ 52,935.00

VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
54078*	TYPE B CLASS VI PVMT LINE MRKG 24"		228.00	LF	\$ 5,016.00
54080	TYPE B CLASS VI CONTRAST PVMT. MRKG 6"		3,751.00	LF	\$ 30,008.00
54105	ERADICATE EXIST. LINEAR PVMT MARKING		443,785.00	LF	\$ 443,785.00
54210	REMOVE EXIST. RAISED PAVEMENT MARKER		1,360.00	EA	\$ 20,400.00
54217	SNOW PLOW. RAISED PAVE. MARKER ASPH. CONC.		2,220.00	EA	\$ 66,600.00
54430	TYPE D, CLASS III TEMP. PVMT MRKG 6"		11,336.00	LF	\$ 34,008.00
54432	TYPE D, CLASS III TEMP. PVMT MRKG 8"		323.00	LF	\$ 1,615.00
54034	TYPE B CLASS I PVMT LINE MRKG 6"		337,388.00	LF	\$ 337,388.00
54037	TYPE B CLASS I PVMT LINE MRKG 8"		6,925.00	LF	\$ 6,925.00
54040	TYPE B CLASS I PVMT LINE MRKG 12"		103,850.00	LF	\$ 207,700.00
54240	TEMP. PAVE. MARKER 1 WAY		1,083.00	EA	\$ 21,660.00
55060	6 CONDUCTOR CABLE		90,300.00	LF	\$ 270,900.00
55100	10 CONDUCTOR CABLE		250.00	LF	\$ 500.00
55110	8 CONDUCTOR CABLE		63,000.00	LF	\$ 157,500.00
55179	NS LUMINAIRE ARM, 8'		31.00	EA	\$ 27,900.00
55179	NS LUMINAIRE ARM, 14'		101.00	EA	\$ 101,000.00
55179	NS LUMINAIRE ARM, 20'		14.00	EA	\$ 23,800.00
55179	NS LUMINAIRE ARM, 24'		22.00	EA	\$ 41,800.00
55190	LIGHTING POLE LP-1 TYPE F		150.00	EA	\$ 525,000.00
55140	CONCRETE FOUNDATION, LF-1, TYPE A		150.00	EA	\$ 315,000.00
55505	NS LUMINAIRE, 250W LED		161.00	EA	\$ 144,900.00
55586	JUNCTION BOX, JB-S1		180.00	EA	\$ 324,000.00
55587	JUNCTION BOX, JB-S2		12.00	EA	\$ 22,200.00
55587	JUNCTION BOX, JB-S3		60.00	EA	\$ 102,000.00
55500*	LED LUMINAIRE, LED UNDERBRIDGE WALL MOUNT		22.00	EA	\$ 35,200.00
55500*	NS METAL JUNCTION BOX		30.00	EA	\$ 13,500.00
56022	1" METAL CONDUIT		842.00	LF	\$ 42,100.00
56050	BORED CONDUIT 2"		1,175.00	LF	\$ 35,250.00
57171*	NS FUSED SAFETY SWITCH		4.00	EA	\$ 3,800.00
56032	2" METAL CONDUIT		60.00	LF	\$ 1,500.00
56051	BORED CONDUIT 3"		2,250.00	LF	\$ 67,500.00
56053	2" PVC CONDUIT - ITS		500.00	LF	\$ 2,500.00
56053	2" PVC CONDUIT - LIGHTING		22,000.00	LF	\$ 110,000.00
56054	3" PVC CONDUIT		6,035.00	LF	\$ 54,315.00
56055	3" PVC CONDUIT - ITS		38,730.00	LF	\$ 348,570.00
56200	TRENCH EXCAVATION ECI-1		52,500.00	LF	\$ 656,250.00
56205	TEST BORE		1.00	EA	\$ 2,500.00
57011	ITS CONTROLLER CABINET POLE MOUNTED		1.00	EA	\$ 15,000.00
57050	UNINTERRUPTIBLE POWER SUPPLY ITS-CC		1.00	EA	\$ 9,000.00
57060	CCTV CAMERA DIGITAL		1.00	EA	\$ 7,000.00
57092	CCTV CAMERA POLE 45'		1.00	EA	\$ 9,000.00
57200	FIBER OPTIC CABLE 24 STRAND		600.00	LF	\$ 2,400.00
57202	FIBER OPTIC CABLE 96 STRAND		45,000.00	LF	\$ 225,000.00
57210	SPLICE ENCLOSURE		10.00	EA	\$ 25,000.00
57221	MANAGED FIELD ETHERNET SWITCH GBPS		1.00	EA	\$ 5,000.00
57092*	PORTABLE ITS CAMERA		3.00	EA	\$ 105,000.00
58551	ENVIRONMENTAL PERMITTING		1.00	LS	\$ 446,000.00
60490	BRIDGE DECK GROOVING		8,674.00	SY	\$ 86,740.00
61214	PREST.CONC.BEAM,BULB-T 37" DEPTH +60'-70'		12.00	EA	\$ 480,000.00
61216	PREST.CONC.BEAM,BULB-T 37" DEPTH +80'-90'		18.00	EA	\$ 810,000.00
61713	CORROSION RESISTANT REINF. STEEL CL. III		352,540.00	LB	\$ 1,410,160.00
61812	STR.STEEL PLATE GIRDER ASTM A709 GRADE 50W		1.00	LS	\$ 2,250,000.00

VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
603	TEMPORARY SEED		20,316.00	LB	\$ 314,898.00
603	OVERSEEDING		6,772.00	LB	\$ 81,264.00
603	LEGUME SEED		1,354.00	LB	\$ 35,204.00
62004	ARCHITECTURAL TREATMENT		3,879.00	SY	\$ 38,790.00
62115	TRAF. BARR. SER. CONC. SINGLE FACE PARAPET MB-10A		2,918.00	LF	\$ 145,900.00
62116	TRAF. BARR. SER. CONC. DOUBLE FACE PARAPET MB-11A		13,221.00	LF	\$ 661,050.00
64101	DYNAMIC PILE TEST		16.00	EA	\$ 96,000.00
64110	STEEL PILES 10"		1,880.00	LF	\$ 141,000.00
64112	STEEL PILES 12"		5,780.00	LF	\$ 462,400.00
64755	PILE POINT FOR 10" STEEL PILE		44.00	EA	\$ 4,400.00
64765	PILE POINT FOR 12" STEEL PILE		102.00	EA	\$ 12,240.00
64775	BR 311 - 14" STEEL PILE POINT		82.00	EA	\$ 12,300.00
69114	BR 311 - STEEL PILES 14"		2,680.00	LF	\$ 214,400.00
67900	NS DISM. & REM. EXIST. STR.		1.00	LS	\$ 1,500,000.00
67400	DECK DRAINAGE SYSTEM		1.00	LS	\$ 100,000.00
68010	CONCRETE PARAPET		2,457.00	LF	\$ 859,950.00
68043	CONC. CLASS A4 MOD. LOW SHRINKAGE	fuel	1,668.00	CY	\$ 1,501,200.00
68192	REPLACE BEARING		26.00	EA	\$ 117,000.00
68322	H.E.S. PATCHING TYPE B		79.00	SY	\$ 43,450.00
68322*	STEEL CRACK REPAIR (WELDING)		8.00	LF	\$ 1,600.00
68590	JACKING AND BLOCKING BEAM		26.00	EA	\$ 104,000.00
68616	PLACE VERY EARLY STRENGTH LATEX MODIFIED CONCRETE		1,448.00	SY	\$ 72,400.00
68621	FURNISH VERY EARLY STRENGTH LATEX MODIFIED CONCRET		80.50	CY	\$ 52,325.00
68642	TYPE A HYDRO-DEMOLITION 1/2"		1,448.00	SY	\$ 86,880.00
68085	COVER DEPTH SURVEY		4,955.00	SY	\$ 44,595.00
68085*	SAFETY INSPECTIONS		12.00	EA	\$ 6,000.00
68910	NS BR. SUPERSTRUCTURE WIDENING/REPAIR (HES DECK SL	fuel	87.00	SY	\$ 52,200.00
69002	EMBEDDED GALVANIC ANODES		674.00	EA	\$ 33,700.00
69011	STRUCTURE EXCAVATION	fuel	23,150.00	CY	\$ 694,500.00
64901	BRIDGE ABUTMENT MSE WALLS		27,264.00	SF	\$ 1,363,200.00
69014	SELECT BACKFILL ABUTMENT ZONE		53,686.00	TON	\$ 1,879,010.00
69030	CONCRETE CLASS A3	fuel	646.00	CY	\$ 646,000.00
68625*	CONC. CLASS A4 BRIDGE APPR. SLEEPER SLAB	fuel	293.00	CY	\$ 234,400.00
68265	CONC. CLASS A4 BRIDGE APPR. SLAB	fuel	1,019.00	CY	\$ 356,650.00
68270	REINF. STEEL BRIDGE APPR. SLAB		174,362.00	LB	\$ 348,724.00
60452'	REINF. STEEL BRIDGE APPR. SLEEPER SLAB		23,852.00	LB	\$ 47,704.00
62410*	BRIDGE EPS MATERIAL		786.00	SY	\$ 157,200.00
69091	CORROSION RESISTANT REINF. STEEL CL. I		98,471.00	LB	\$ 295,413.00
69500	CONCRETE SUBSTRUCT. SURFACE REPAIR		113.00	SY	\$ 169,500.00
68320*	CONCRETE CRACK REPAIR (TYPE B)		200.00	LF	\$ 15,000.00
69710	PIER PROTECTION SYSTEM 54"		852.00	LF	\$ 426,000.00

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...).

4.7.3 Proposed Monthly Payment Schedule

Contract ID Number: C00116203DB108
Project Name: I-81 Widening mm136.6-141.8

PROPOSED MONTHLY PAYMENT SCHEDULE

Month-Year	Anticipated Monthly Payment	Month-Year	Anticipated Monthly Payment
May-21	\$ 10,694,817.70	Aug-23	\$ 4,483,538.54
Jun-21	\$ 2,934,817.70	Sep-23	\$ 4,228,350.37
Jul-21	\$ 1,934,817.70	Oct-23	\$ 4,369,461.48
Aug-21	\$ 1,952,676.67	Nov-23	\$ 4,154,380.23
Sep-21	\$ 7,006,309.29	Dec-23	\$ 3,156,991.95
Oct-21	\$ 7,563,444.49	Jan-24	\$ 3,391,109.93
Nov-21	\$ 2,766,767.88	Feb-24	\$ 3,504,529.78
Dec-21	\$ 2,063,956.68	Mar-24	\$ 4,452,017.92
Jan-22	\$ 2,063,956.68	Apr-24	\$ 4,271,446.81
Feb-22	\$ 2,112,777.13	May-24	\$ 4,251,807.88
Mar-22	\$ 3,640,727.10	Jun-24	\$ 3,452,005.91
Apr-22	\$ 3,842,506.56	Jul-24	\$ 3,641,193.07
May-22	\$ 2,165,459.25	Aug-24	\$ 3,634,120.47
Jun-22	\$ 1,962,611.70	Sep-24	\$ 3,470,827.66
Jul-22	\$ 3,042,654.39	Oct-24	\$ 3,469,740.79
Aug-22	\$ 3,977,183.03	Nov-24	\$ 3,133,910.64
Sep-22	\$ 4,021,957.72	Dec-24	\$ 2,216,316.33
Oct-22	\$ 4,010,473.66	Jan-25	\$ 2,121,673.10
Nov-22	\$ 3,941,284.30	Feb-25	\$ 2,949,777.05
Dec-22	\$ 2,601,963.76	Mar-25	\$ 3,685,258.26
Jan-23	\$ 2,590,266.45	Apr-25	\$ 4,386,603.26
Feb-23	\$ 2,707,575.18	May-25	\$ 3,664,882.56
Mar-23	\$ 4,043,292.13	Jun-25	\$ 3,167,022.23
Apr-23	\$ 4,058,861.40	Jul-25	\$ 2,983,114.13
May-23	\$ 4,075,152.65	Aug-25	\$ 2,857,324.62
Jun-23	\$ 4,483,538.54	Sep-25	\$ 2,397,619.25
Jul-23	\$ 4,478,040.21	Oct-25	\$ 1,499,152.35
		Nov-25	\$ 1,140,857.51
		Job Total:	\$ 194,872,924.00

EXHIBIT 6.3(a)
ADJUSTMENT FOR ASPHALT

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

October 28, 2020

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

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
PRICE ADJUSTMENT**

INSTRUCTIONS - This form is to be completed and returned ONLY when asphalt concrete items are designated for price adjustment on the bid price sheets.

PROJECT NUMBER: State Project No.: 0081-080-946
Federal Project No.: NHPP-0812(330)
Contract ID No.: C00116203DB108

DISTRICT: Roanoke County and City of Salem, Virginia

Bid Prices in this contract for items containing PG 64-22 asphalt cement were developed using an f.o.b. price of \$ 440.50 per **IMPERIAL** ton for **PG 64-22**. This quote will be averaged into the monthly price index.

Bid Prices in this contract for items containing PG 76-22 asphalt cement were developed using an f.o.b. price of \$ 592.14 per **IMPERIAL** ton for **PG 76-22**. This quote is project specific.
(When required by provisions)

Price quotes signed by each supplier from which the Contractor proposes to obtain PG 64-22 or PG 76-22 shall be maintained by the successful bidder. These quotes shall be retained on site during the life of the Contract for review by the Engineer upon request.

DATE: March 30, 2021

SIGNATURE: 

Lane-Corman I-81 Widening JV
(Firm or Corporation)

JV098
(Vendor No.)

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: March 30, 2021

Signature: 

Design-builder: Lane-Corman I-81 Widening JV

Vendor No.: JV098

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.

FORM FOR PRICE ADJUSTMENT FOR ELIGIBLE STEEL ITEMS ON DESIGN-BUILD PROJECTS

Must be supplied with Price Proposal for Department Participation

(All prices to be supported by project-specific quotes)

DATE FOR RECEIPT OF PRICE PROPOSAL March 30, 2021

Note: All prices (costs) are to include any surcharges on materials quoted. Vendors must include this surcharge with their cost. All prices (costs) are F.O.B. from the originating mill.

Item Number	Item Description	Quantity	Unit	Unit Price	Supplier	Date of Quote
27100	STRUCTURAL STEEL	1,006,000	LB	1.51	AFCO	3/30/21
VARIOUS	BLACK REINFORCING	216,526	LB	0.47	ROCKAWAYHAM	3/25/21
VARIOUS	MMFX REINFORCING	98,471	LB	1.27	ROCKAWAYHAM	3/25/21
VARIOUS	STAINLESS REINFORCING	450,419	LB	2.33	ROCKAWAYHAM	3/25/21
VARIOUS	H-PILE	1,018,421	LB	0.4755	J.P. FIELDS	3/25/21

We/I, the undersigned, understand that by supplying prices for the steel items listed above and signing this form we are declaring our desire to apply the Special Provision For Price Adjustment for Steel Design-Build Projects to this Price Proposal and contract. The terms and conditions for participation are as stated in the Special Provision For Price Adjustment for Steel Design-Build Projects.

Lane-Corman I-81 Widening JV
 Design-Builder

March 30, 2021
 Date

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 ENCASMENT 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

Request for Proposals
Part 3
Lump Sum Agreement
October 28, 2020

I-81 Widening MM 136.6 to MM 141.8
Roanoke County and City of Salem, Virginia
Project No. 0081-080-946
Contract ID # C00116203DB108

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: March 30, 2021

Signature: 

Design-Builder: Lane-Corman I-81 Widening JV

Vendor No.: JV098

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
PROPOSAL GUARANTY**

KNOW ALL MEN BY THESE PRESENTS, THAT WE Lane-Corman I-81 Widening JV; a joint venture comprised of The Lane Construction Corporation and Corman Kokosing Construction Company 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 23rd Day of March, 20 21

WHEREAS, the above said principal is herewith submitting its proposal for: Contract ID Number: C00116203DB108
PROJECT NUMBER: 0081-080-946 I-81 Widening MM 136.6 to MM 141.8
Roanoke County and City of Salem Virginia

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 a Joint Venture Partner of
Lane-Corman I-81 Widening JV

By: Mark A. Schiller
(Principal*)
President & CEO
(Officer, Partner or Owner) (Seal)

Corman Kokosing Construction Company a Joint Venture Partner of
Lane-Corman I-81 Widening JV

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

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

Liberty Mutual Insurance Company
(Surety Company)

By: Anne Potter
(Attorney-in-Fact**) (Seal) Anne Potter

175 Berkeley Street, Boston, MA 02117
(Address)

By: _____
(Surety Company)

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

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

Certificate No: 8201321-015001

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, Jennifer L. Jakaitis; Anne Potter; Nancy Schnee; Valorie Spates; Susan A. Welsh; Beverly A. Woolford

all of the city of Garden City 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 29th day of May, 2019.



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

By: [Signature of David M. Carey]

David M. Carey, Assistant Secretary

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

State of PENNSYLVANIA
County of MONTGOMERY ss

On this 29th day of May, 2019 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: [Signature of 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 23rd day of March, 2021.



By: [Signature of Renee C. Llewellyn]

Renee C. Llewellyn, Assistant Secretary

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.



LIBERTY MUTUAL INSURANCE COMPANY
FINANCIAL STATEMENT — DECEMBER 31, 2019

Assets		Liabilities	
Cash and Bank Deposits.....	\$778,754,989	Unearned Premiums.....	\$8,007,146,482
*Bonds — U.S Government.....	2,780,808,610	Reserve for Claims and Claims Expense.....	21,532,853,787
*Other Bonds.....	12,645,608,792	Funds Held Under Reinsurance Treaties.....	507,868,920
*Stocks.....	16,385,435,431	Reserve for Dividends to Policyholders.....	1,143,826
Real Estate.....	235,608,378	Additional Statutory Reserve.....	125,722,000
Agents' Balances or Uncollected Premiums.....	6,217,983,641	Reserve for Commissions, Taxes and Other Liabilities.....	4,117,460,075
Accrued Interest and Rents.....	102,273,390	Total.....	\$34,292,195,090
Other Admitted Assets.....	11,957,106,292	Special Surplus Funds.....	\$32,768,443
		Capital Stock.....	10,000,075
		Paid in Surplus.....	10,044,978,933
		Unassigned Surplus.....	6,723,636,983
Total Admitted Assets.....	<u>\$51,103,579,523</u>	Surplus to Policyholders.....	16,811,384,434
		Total Liabilities and Surplus.....	<u>\$51,103,579,524</u>



* Bonds are stated at amortized or investment value; Stocks at Association Market Values.
The foregoing financial information is taken from Liberty Mutual Insurance Company's financial statement filed with the state of Massachusetts Department of Insurance.

I, TIM MIKOLAJEWSKI, Assistant Secretary of Liberty Mutual Insurance Company, do hereby certify that the foregoing is a true, and correct statement of the Assets and Liabilities of said Corporation, as of December 31, 2019, to the best of my knowledge and belief.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Corporation at Seattle, Washington, this 27th day of March, 2020.

T. Mikolajewski

Assistant Secretary



RESOLVED: (C) Representation before Principals and Clients: that the following Officers of the Corporation are authorized to represent the Corporation on Projects > \$25M, before Principals and Clients, to approve the execution of Payment and Performance Bonds:

- Mark A. Schiller, President & CEO Joint signature with Mr. Catrini
- Gianfranco Catrini, EVP & COO Corporate, Interim CFO Joint signature with Mr. Schiller or Mr. Stoppenhagen or Mr. Goyne
- Dan R. Stoppenhagen, EVP Engineering, Bidding & Business Development Joint signature with Mr. Catrini
- Joshua Goynes, EVP & COO Construction Joint signature with Mr. Catrini

and are further authorized to appoint, make and confer Powers of Attorney to other employees for specific single acts within the limits and according to the rules of their conferred powers.

RESOLVED: (C) Representation before Principals and Clients: that the following Officers of the Corporation are authorized to represent the Corporation on Projects < \$25M, before Principals and Clients, to approve the execution of Payment and Performance Bonds:

- Mark A. Schiller, President & CEO Single signature
- Gianfranco Catrini, EVP & COO Corporate, Interim CFO Single signature
- Dan R. Stoppenhagen, EVP Engineering, Bidding & Business Development Single signature
- Joshua Goynes, EVP & COO Construction Single signature

and are further authorized to appoint, make and confer Powers of Attorney to other employees for specific single acts within the limits and according to the rules of their conferred powers.

I hereby certify that the above is a true copy of the Resolutions unanimously approved by the Board of Directors of The Lane Construction Corporation effective January 1, 2021, and that the above vote has not been rescinded and stands in full force and effect as of this date.

Date: March 23, 2021

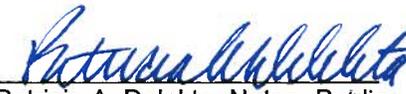


Secretary,
THE LANE CONSTRUCTION CORPORATION

State of Connecticut
County of New Haven

Personally appeared before me, Carol Gallagher, Secretary, and made oath that the above is a true copy of resolutions in the Written Consent of the Board of Directors of The Lane Construction Corporation executed on December 15, 2020.

Date: March 23, 2021



Patricia A. Deleka, Notary Public
My Commission Expires July 31, 2024

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION**

PROJECT: I-81 Widening MM 136.6 to MM 141.8 - State Project No. 0081-080-946

FHWA: NHPP-0812 (330)

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 County, Virginia, this 30 day of March, 20 21
County (City), STATE
Lane-Corman I-81 Widening JV By: [Signature] Director
(Name of Firm) (Signature) Title (print)
STATE of Virginia COUNTY (CITY) of Fairfax

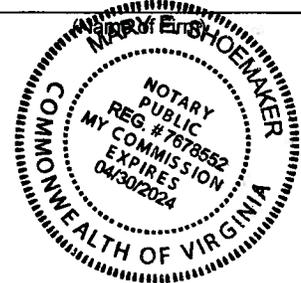
To-wit: Mary Shoemaker, a Notary Public in and for the State and
County(City) aforesaid, hereby certify that this day Richard A. McDonough
personally appeared before me and made oath that he is duly authorized to make the above statements
and that such statements are true and correct.

Subscribed and sworn to before me this 30 day of March, 20 21
[Signature] My Commission expires 4/30/2024
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: _____
(Signature) Title (print)



**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
AFFIDAVIT**

PROJECT: I-81 Widening MM 136.6 to MM 141.8 - State Project No. 0081-080-946

FHWA: NHPP-0812 (330)

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 County, Virginia, this 30 day of March, 20 21
County (City), STATE
Lane-Corman I-81 Widening JV By: [Signature] Director
(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 A. 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 30 day of March, 20 21
[Signature] My Commission expires 4/30/2024
 Notary Public

