

Design-Build Project For
I-64 Southside Widening and High Rise Bridge, Phase 1
City of Chesapeake, Virginia

Contract ID Number: C00106692DB93

Price Proposal

September 2017

Skanska-Archer Western 2 Joint Venture



Price Proposal

ATTACHMENT 4.0.1.2

**DESIGN-BUILD PRICE PROPOSAL
CHECKLIST**

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

➤ **Contents of Price Proposal:**

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

Cost Breakdown

ATTACHMENT 4.8.1

PRICE PROPOSAL FORM

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

Price Proposal Cost Breakdown Summary;

Design Services, LS	\$ <u>60,671,439.00</u>
Construction Services (exclude QA/QC), LS	\$ <u>380,624,762.00</u>
Quality Assurance (QA) (Construction), LS	\$ <u>5,652,000.00</u>
Quality Control (QC) (Construction), LS	\$ <u>7,572,655.00</u>

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

Lump Sum (LS): FOUR HUNDRED FIFTY-FOUR MILLION FIVE HUNDRED TWENTY THOUSAND EIGHT HUNDRED FIFTY-SIX DOLLARS (\$ 454,520,856.00)
AND ZERO CENTS

Signature: Stephen Davist Date: September 5, 2017

Design-Builder: Skanska-Archer Western 2 Joint Venture

Vendor No.: JV076

Schedule of Items

Attachment 4.8.2
State Project 0064-131-811

SCHEDULE OF ITEMS (ver. 4-15-2014)

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

Date: 9/8/2017

VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
00100	MOBILIZATION		1	LS	\$22,756,043
00111	CLEARING AND GRUBBING		125	AC	\$3,901,250
00126	EARTHWORK		1	LS	\$21,978,340
00522	CONCRETE CLASS A4 BOX CULVERT		72	CY	\$164,887
00529	FLOWABLE BACKFILL		769	CY	\$228,269
00598	NS UNDERDRAIN		88800	LF	\$1,917,324
00600	NS - ENDWALL EW-1		3	EA	\$8,279
00601	NS - ENDWALL EW-2		7	EA	\$58,354
00602	NS - ENDWALL EW-6		5	EA	\$66,362
00603	NS - ENDWALL EW-7		1	EA	\$30,315
00700	POST INSTALLATION INSPECTION		56764	LF	\$332,311
01152	15" CONC. PIPE		11121	LF	\$1,139,786
01156	15" STORM SEWER PIPE (HDPE)		426	LF	\$35,939
01182	18" CONC. PIPE		7178	LF	\$777,725
01241	JACKED & BORED 24" PIPE		1243	LF	\$1,754,222
01242	24" CONC. PIPE		11292	LF	\$1,652,405
01301	JACKED & BORED 30" PIPE		183	LF	\$270,582
01302	30" CONC. PIPE		5474	LF	\$1,027,127
01307	PIPE LINER 30"		79	LF	\$40,940
01361	JACKED & BORED 36" PIPE		853	LF	\$1,467,506
01362	36" CONC. PIPE		3085	LF	\$759,630
01367	PIPE LINER 36"		174	LF	\$141,450
01421	JACKED & BORED 42" PIPE		333	LF	\$572,198
01422	42" CONC. PIPE		197	LF	\$78,007
01481	JACKED & BORED 48" PIPE		572	LF	\$1,070,564
01482	48" CONC. PIPE		862	LF	\$309,267
01488	NS - PIPE LINER 42"		96	LF	\$104,982
01541	JACKED & BORED 54" PIPE		220	LF	\$442,156
01601	JACKED & BORED 60" PIPE		335	LF	\$782,352
01602	60" CONC. PIPE		453	LF	\$236,411

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
State Project 0064-131-811

SCHEDULE OF ITEMS (ver. 4-15-2014)

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

Date: 9/8/2017

VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
02100	NS - STORM SEWER CLEANING		19345	LF	\$631,630
06010	NS - DRAINAGE DEMO- PIPE		890	LF	\$30,516
06151	15" END SECTION ES-1		20	EA	\$28,050
06181	18" END SECTION ES-1		2	EA	\$3,127
06241	24" END SECTION ES-1		24	EA	\$52,793
06301	30" END SECTION ES-1		6	EA	\$16,825
06361	36" END SECTION ES-1		14	EA	\$51,240
06421	42" END SECTION ES-1		7	EA	\$32,667
06481	48" END SECTION ES-1		3	EA	\$18,735
06485	54" END SECTION ES-1		2	EA	\$14,269
06740	DROP INLET DI-1		4	EA	\$24,739
06753	DROP INLET DI-2B & DI-2C		85	EA	\$642,967
06800	DROP INLET DI-2F		11	EA	\$122,942
06900	NS - DROP INLET DI-3B		11	EA	\$75,155
07506	DROP INLET DI-5		5	EA	\$54,184
07508	DROP INLET DI-7		3	EA	\$21,587
08205	NS - DROP INLET DI-10H & DI-10I		96	EA	\$1,062,326
08320	NS -DROP INLET DI-10K TY1, DI-10K TY3, DI-10L TY1,		32	EA	\$305,424
08321	NS - DROP INLET DI-10K TY II & DI-10L TY II		25	EA	\$264,973
08340	NS - DROP INLET DI-13		9	EA	\$66,197
09046	MANHOLE MH-1		3	EA	\$24,172
09065	NS - DRAINAGE DEMO- STRUCTURE		71	EA	\$47,501
09200	NS - TEMP DRAINAGE FOR MOT		25	EA	\$175,945
10019	CEM.S.AGR.BAS.MAT.TY.I N.21 OR 21A		67883	TN	\$4,710,620
10062	ASPH-STAB. OPEN-GRADED MATERIAL	F&P	25942	TN	\$3,107,469
10065	AGGR. MATL. NO. 1		150	TN	\$16,382
10113	AGGR.BASE MAT.TY. I NO.21A OR 21B		28498	TN	\$1,350,481
10499	NS - HIGH FRICTION SURFACE TREATMENT		50600	SY	\$830,616
12322	ASPHALT CONCRETE CURB TY. MC-3B	F&P	48386	LF	\$739,900
12600	STD. COMB. CURB & GUTTER CG-6		939	LF	\$23,410

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
State Project 0064-131-811

SCHEDULE OF ITEMS (ver. 4-15-2014)

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

Date: 9/8/2017

VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
12700	STD. COMB. CURB & GUTTER CG-7		2884	LF	\$71,899
13220	HYDR. CEMENT CONC. SIDEWALK 4"		1348	SY	\$77,321
13312	GUARDRAIL MGS-2		45	EA	\$85,141
13315	GUARDRAIL MGS-3		36	EA	\$31,573
13320	GUARDRAIL MGS-1		92900	LF	\$1,951,475
13345	ALT.BREAKAWAY CABLE TERM.(GR-9)		6	EA	\$17,667
13383	FIXED OBJECT ATTACH. GR-FOA-1 TY. I		27	EA	\$66,197
13384	FIXED OBJECT ATTACH. GR-FOA-1 TY. II		18	EA	\$21,782
13392	FIXED OBJECT ATTACH. GR-FOA-2 TY. I		15	EA	\$36,037
13393	FIXED OBJECT ATTACH. GR-FOA-2 TY. II		7	EA	\$8,195
13460	MEDIAN BARRIER MB-7D		13691	LF	\$986,364
13461	MEDIAN BARRIER MB-7E		6123	LF	\$1,112,329
13462	MEDIAN BARRIER MB-7F		3296	LF	\$227,738
13479	NS BPPS		5511	LF	\$2,140,542
13485	MEDIAN BARRIER MB-8A TYPE I		4649	LF	\$515,476
13486	MEDIAN BARRIER MB-8A TYPE II		176	LF	\$41,781
13490	MEDIAN BARRIER MB-13 TYPE I		62	LF	\$18,855
13491	MEDIAN BARRIER MB-13 TYPE II		269	LF	\$98,613
13492	MEDIAN BARRIER MB-13 TYPE III		901	LF	\$358,586
13565	RETAINING WALL EXCAVATION		19862	CY	\$456,811
13604	IMPACT ATTEN.SER. TY. 1 (TL-3,>45 MPH)		7	EA	\$166,754
13605	IMPACT ATTEN. SER. TY. 1A (TL-2, 45 MPH MAX) TEMP		8	EA	\$133,220
13630	IMPACT ATTENUATOR SERVICE TYPE I-A TEMP		51	EA	\$624,404
13755	SOUND BARRIER WALL ABSORPTIVE		787195	SF	\$28,739,957
13810	RETAINING STRUCTURE		71880	SF	\$10,817,803
14100	REMOVAL OF SIDEWALK AND ENTRANCE		650	SY	\$4,640
14120	REMOVAL OF COMB. CURB AND GUTTER		22550	LF	\$42,829
14408	NS - MODIFY EXIST DRAINAGE STRUCTURE		5	EA	\$29,310
15405	MAINTAIN ROADWAY	F&P	1	LS	\$929,751
15410	TRAFFIC CONTROL		1	LS	\$2,890,694

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
State Project 0064-131-811

SCHEDULE OF ITEMS (ver. 4-15-2014)

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

Date: 9/8/2017

VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
16350	ASPHALT CONC. TY. SM-12.5A	F&P	30048	TN	\$1,579,836
16362	ASPHALT CONC. TY. IM-19.0A	F&P	25694	TN	\$2,331,506
16380	ASPHALT CONCRETE LEVELING	F&P	17579	TN	\$1,790,026
16392	ASPH. CONC. BASE COURSE TY. BM-25.0D	F&P	82896	TN	\$9,250,218
16403	STONE MATRIX ASPH SMA-12.5(76-22/64E)	F&P	42452	TN	\$3,303,361
16405	STONE MATRIX ASPH SMA-19.0(76-22/64E)	F&P	48318	TN	\$6,564,582
22501	FENCE FE-W1		6750	LF	\$47,895
22675	GATE FE-CL L=10'		3	EA	\$3,083
24152	TYPE 3 BARRICADE 8'		11	EA	\$3,039
24160	TEMPORARY SIGN		2270	SF	\$99,215
24283	NS - POLICE PATROL		2950	HR	\$131,563
24290	TRAFFIC BARRIER SER. CONC. MB-7D PC		82260	LF	\$6,478,124
24305	NS - TEMPORARY PAVING FOR MOT	F&P	27360	SY	\$1,800,502
24420	DEMO. OF PAVEMENT (RIGID)		29626	SY	\$544,250
24430	DEMO. OF PAVEMENT (FLEXIBLE)		112001	SY	\$1,093,113
24501	NS REMOVAL OF ASPHALT CURB		8500	LF	\$5,690
24600	REMOVE EXISTING GUARDRAIL		77000	LF	\$270,998
24602	REMOVE EXISTING (FENCE)		6450	LF	\$26,968
24640	NS - SOUNDWALL DEMO		22800	SF	\$222,349
24702	NS REMOVE IMPACT ATTENUATORS		4	EA	\$4,118
24703	NS REMOVE EXIST BARRIER		14706	LF	\$398,886
25003	HANDRAIL HR-1 TYPE II		1487	LF	\$314,803
25540	NS - VIBRATION MONITORING		1	LS	\$285,007
25560	PARTNERING COSTS		1	LS	\$55,747
25591	DESIGN SERVICES		1	LS	\$60,671,439
25593	QUALITY ASSURANCE (QA)		1	LS	\$5,652,000
25593	QUALITY CONTROL (QC)		1	LS	\$7,572,655
25596	PUBLIC INFORMATION COSTS		1	LS	\$558,169
26117	RIP RAP		7559	TN	\$809,649
27024	NS TOPSOIL		48907	CY	\$2,404,137

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
State Project 0064-131-811

SCHEDULE OF ITEMS (ver. 4-15-2014)

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

Date: 9/8/2017

VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
27102	REGULAR SEEDING		26785	LB	\$535,404
27275	NS TEMP SLOPE DRAIN		640	LF	\$37,144
27288	TEMP SEED & MULCH		54	AC	\$289,228
27326	SOIL STAB. MAT EC-3 TYPE B		29524	SY	\$186,371
27360	NS - TIDE GATE		1	EA	\$329,011
27410	CHECK DAM, ROCK TY. I		258	EA	\$122,481
27440	MOWING		61	AC	\$583,430
27451	INLET PROTECTION		435	EA	\$277,545
27505	TEMP. SILT FENCE		220918	LF	\$926,552
27526	TURBIDITY CURTAIN, IMPERVIOUS		2339	LF	\$258,234
27545	STORM WATER MAN. BASIN EXCAV.		93633	CY	\$1,543,596
27548	NS EROSION CONTROL MAINTENANCE		1	LS	\$4,514,164
27550	STORM WATER MANAGEMENT DRAINAGE STR. SWM-1		15	EA	\$262,653
27590	NS - SWM POND AERATOR		3	EA	\$46,144
28550	ENVIRONMENTAL MITIGATION CREDITS		1	LS	\$3,365,652
28820	WATERING		1	LS	\$38,258
38900	NS STORMWATER PLANTING		1	LS	\$156,900
40580	WATERLINE- CHESAPEAKE WATER		638	LF	\$800,120
41822	STANDPIPE- FIRE PROTECTION		6380	LF	\$1,117,787
42087	SEWER- CHESAPEAKE SEWER		160	LF	\$53,307
42307	SEWER- HRSD		330	LF	\$1,300,087
46014	NS - DOMINION VA POWER DISTRIBUTION		1	LS	\$684,297
46015	NS - DOMINION VA POWER TRANSMISSION		1	LS	\$183,966
47018	NS - LIGHTOWER (SIDERA)		1	LS	\$8,362
47020	NS - VERIZON		1	LS	\$365,663
47021	NS - VERIZON SOUTH		1	LS	\$1,619
47022	NS - COX		1	LS	\$50,907
48010	COLUMBIA GAS OF VA		1	LS	\$17,506
48013	NS - VA NATURAL GAS		1	LS	\$17,506
49001	COLONIAL PIPELINE		1	LS	\$17,506

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
State Project 0064-131-811

SCHEDULE OF ITEMS (ver. 4-15-2014)

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

Date: 9/8/2017

VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
49002	COLUMBIA PIPELINE		1	LS	\$17,506
50036	FLEXIBLE POST DELINEATOR, SURFACE MOUNT		9000	EA	\$345,886
50108	SIGN PANEL		16098	SF	\$314,572
50902	NS TRAFFIC SIGN TEMPORARY SIGNS		1196	EA	\$5,192,112
51948	SIGNALS		1	LS	\$287,114
51950	TEMP. SIGNALIZATION		1	LS	\$22,787
52450	NS - EXISTING HRB REHAB		1	LS	\$827,733
54060	TY.B CL.IV PVMT LINE MRKG 24"		4200	LF	\$25,867
54076	TY.B CL.VI PVMT LINE MRKG 6"		204000	LF	\$595,042
54077	TY.B CL.VI PVMT LINE MRKG 8"		271800	LF	\$1,084,749
54078	TY.B CL.VI PVMT LINE MRKG12"		13000	LF	\$73,021
54080	TY.B CL.VI CONTRAST PVMT MRKG, 6"		57772	LF	\$259,604
54105	ERADICATION OF EXIST. LINEAR PVMT MRKG		220000	LF	\$81,600
54106	ERADICATION OF EXIST. NONLINEAR PVMT MRKG		265	SF	\$2,096
54210	REM. EXIST. RAISED PAVE . MARKER		4085	EA	\$19,737
54217	SNOW PLOW.RAISED PAVE.MARK.ASPH.CONC		2850	EA	\$70,914
54218	SNOW PLOW.RAISED PAVE.MARK.HYD. CONC		155	EA	\$3,819
54240	TEMP. PAVE. MARKER 1 WAY		10234	EA	\$111,436
54242	TEMP. PAVE. MARKER 2 WAY		80	EA	\$670
54300	PAVE MESSAGE MARK. ELONGATED ARROW SINGLE		39	EA	\$26,518
54402	NS PAVE. MESSAGE VARIOUS		73	EA	\$24,171
54550	TEMP. PVMT MRKG (TY.F,CL.I) 4"		796530	LF	\$611,558
54554	TEMP. PVMT MRKG (TY.F,CL.I) 8"		21469	LF	\$12,982
54558	TEMP. PVMT MRKG (TY.F,CL.I) 12"		279	LF	\$555
54562	TEMP. PVMT MRKG (TY.F, CL I) 24"		100	LF	\$398
54568	N.S. CONSTR. P.M. TY F.		9	EA	\$538
59000	LIGHTING		1	LS	\$6,423,472
59050	NS COMMUNICATION EQUIP. CABINET		78	EA	\$3,134,996
59051	NS COMMUNICATION EQUIP. CCTV		23	EA	\$170,828
59052	NS COMMUNICATION EQUIP. GENERATOR		5	EA	\$799,612

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
State Project 0064-131-811

SCHEDULE OF ITEMS (ver. 4-15-2014)

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

Date: 9/8/2017

VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
59053	NS COMMUNICATION EQUIP. ITS POLE AND FOUNDATION		39	EA	\$905,507
59054	NS COMMUNICATION EQUIP. MODIFIED SE-9 SERVICE		10	EA	\$318,790
59055	NS COMMUNICATION EQUIP. MODIFY SERVICE		4	EA	\$59,281
59056	NS COMMUNICATION EQUIP. MVD		59	EA	\$640,661
59057	NS COMMUNICATION EQUIP. VMS		32	EA	\$3,050,853
59060	NS COMMUNICATION EQUIP. ITS/TTMS DEVICE REMOVAL		1	LS	\$236,266
59061	NS COMMUNICATION EQUIP. ITS/TTMS SYSTEM MAINTENANC		1	LS	\$381,079
59062	NS COMMUNICATION EQUIP. TEMP ITS/TTMS SYSTEM		1	LS	\$2,096,795
59063	NS COMMUNICATION EQUIP. TOLLING LOCATION #1		1	LS	\$1,271,847
59071	NS COMMUNICATION EQUIP. ITS POWER CABLE		181915	LF	\$12,530,166
60115	ACCESS		1	LS	\$242,375
60125	CHANNEL PIER PROTECTION SYSTEM		1163	LF	\$5,020,743
60409	CONCRETE CLASS A4 MOD. LOW SHRINKAGE		20101	CY	\$10,069,325
60450	CONCRETE CLASS A4 BRIDGE APPROACH SLAB		278	CY	\$86,756
60452	REINF. STEEL BRIDGE APPROACH SLAB		42563	LB	\$27,749
60490	BRIDGE DECK GROOVING		58702	SY	\$228,835
61205	NS PREST. CONC. BEAM, BULB-T 77" DEPTH		46078	LF	\$12,537,389
61207	NS PREST. CONC. BEAM, BULB-T 85" DEPTH, 150' - 160		2220	LF	\$900,658
61325	NS - PREST. CONC. I BEAM TYPE II		2089	LF	\$643,540
61713	CORROSION RESISTANT REINF. STEEL, CLASS III		4024509	LB	\$9,644,711
61813	STR. STEEL PLATE GIRDER, ASTM A709, GRADE HPS50W		2127809	LB	\$3,141,121
62024	CONCRETE PARAPET 42"		12620	LF	\$665,305
62046	RAILING, BR27D - 3 RAILS		684	LF	\$226,098
62407	NS - TOOTH EXPANSION JOINT, TOOTH THICKNESS 1-3"		715	LF	\$1,136,183
62492	ELASTOMERIC EXPANSION DAM, 2 +/- 3"		91	LF	\$9,189
64011	STRUCTURE EXCAVATION		7172	CY	\$1,862,277
64032	GEOCOMPOSITE WALL DRAIN		552	SY	\$19,882
64036	PIPE UNDERDRAIN 6"		759	LF	\$19,602
64101	DYNAMIC PILE TEST (FRICTION PILES)		48	EA	\$126,435
64416	PRESTRESSED CONCRETE PILE, 16"		6715	LF	\$956,664

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
State Project 0064-131-811

SCHEDULE OF ITEMS (ver. 4-15-2014)

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

Date: 9/8/2017

VDOT Item Code ¹	Item Description	Fuel (F) or Price (P) Adjustment	Approximate Quantity	Units ¹	Budgeted Cost (\$)
64424	PRESTRESSED CONCRETE PILE, 24"		38716	LF	\$15,221,672
64426	NS PRESTRESSED CONCRETE PILE, 30"		21513	LF	\$6,638,178
64428	NS PRESTRESSED CONCRETE PILE, 36" CYL.		1403	LF	\$556,366
64824	DRIVING TEST FOR 16" PRESTR. CONC. PILE		490	LF	\$113,393
64868	DRIVING TEST FOR 24" PRESTR. CONC. PILE		2120	LF	\$1,374,291
64870	NS DRIVING TEST FOR 30" PRESTR. CONC. PILE		2436	LF	\$1,305,519
64872	NS DRIVING TEST FOR 36" CYL. PRESTR. CONC. PILE		197	LF	\$119,331
64875	NS DRILLED SHAFT, 48"		1332	LF	\$1,522,804
64876	NS DRILLED SHAFT, 48" - TEST SHAFT		68	LF	\$354,430
64877	NS - MICROPILES, 12"		2280	LF	\$547,415
64878	NS - MICROPILES, 12" - LOAD TEST		1	EA	\$42,109
64879	NS DRIVING TEST FOR 18" DIA. STEEL PIPE PILE		139	LF	\$31,943
65013	CONCRETE CLASS A3		15584	CY	\$17,826,147
65200	REINFORCING STEEL (BLACK)		3624705	LB	\$4,717,473
65211	CORROSION RESISTANT REINF. STEEL, CLASS I		1340808	LB	\$3,724,484
66115	ACCESS (TRESTLE/ROADWAY)		1	LS	\$24,918,745
66120	COFFERDAMS		1	EA	\$181,104
67089	PED. FENCE, 10'		684	LF	\$64,571
67400	DECK DRAINAGE SYSTEM		1	LS	\$701,316
67450	NS - NAVIGATION LIGHTING		1	LS	\$181,882
68043	CONCRETE CLASS A4 MOD. LOW SHRINKAGE		970	CY	\$733,830
68047	CONCRETE PARAPET 42"		1276	LF	\$95,257
68090	BRIDGE DECK GROOVING		4346	SY	\$41,558
68093	CORROSION RESISTANT REINF. STEEL, CLASS III		265075	LB	\$629,652
68121	STR. STEEL ROLLED BEAM ASTM A709 GRADE 50W		311084	LB	\$733,802
68145	STEEL GRID FLOOR		510	SF	\$93,318
68265	CONCRETE CLASS A4 BRIDGE APPROACH SLAB		475	CY	\$152,014
68270	REINF. STEEL BRIDGE APPROACH SLAB		94951	LB	\$65,115
68315	TYPE A MILLING (1.25" DEPTH)	F	1046	SY	\$12,255
68550	ELASTOMERIC EXPANSION DAM, 0 - 2"		2022	LF	\$287,988

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...).

Proposed Monthly Payment Schedule

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

Proposed Monthly Payment Schedule

Month	Date of Payment Request	Amount Requested
1	11/10/2017	\$12,600,046
2	12/10/2017	\$5,632,868
3	1/10/2018	\$5,082,706
4	2/10/2018	\$4,161,353
5	3/10/2018	\$12,627,981
6	4/10/2018	\$6,144,513
7	5/10/2018	\$7,901,053
8	6/10/2018	\$7,706,330
9	7/10/2018	\$7,949,415
10	8/10/2018	\$5,250,413
11	9/10/2018	\$20,800,706
12	10/10/2018	\$22,420,248
13	11/10/2018	\$7,724,348
14	12/10/2018	\$7,875,240
15	1/10/2019	\$7,823,311
16	2/10/2019	\$9,484,752
17	3/10/2019	\$18,583,109
18	4/10/2019	\$22,533,500
19	5/10/2019	\$34,698,068
20	6/10/2019	\$29,363,554
21	7/10/2019	\$28,070,460
22	8/10/2019	\$26,089,639
23	9/10/2019	\$22,438,026
24	10/10/2019	\$20,922,462
25	11/10/2019	\$19,303,280
26	12/10/2019	\$15,033,493
27	1/10/2020	\$7,668,467
28	2/10/2020	\$7,448,741
29	3/10/2020	\$6,249,252
30	4/10/2020	\$5,495,680
31	5/10/2020	\$2,534,616
32	6/10/2020	\$5,490,195
33	7/10/2020	\$8,214,916
34	8/10/2020	\$5,527,508
35	9/10/2020	\$3,377,934
36	10/10/2020	\$2,957,401
37	11/10/2020	\$3,479,304
38	12/10/2020	\$3,928,209
39	1/10/2021	\$454,645
40	2/10/2021	\$454,645
41	3/10/2021	\$741,033
42	4/10/2021	\$959,769
43	5/10/2021	\$891,904
44	6/10/2021	\$389,844
45	7/10/2021	\$35,927

Price Adjustment Information and Forms for Fuel and Asphalt

EXHIBIT 6.3(a)
ADJUSTMENT FOR ASPHALT

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

December 14, 2016

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

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

This monthly statewide average price will be the 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. 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
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 Ii	Ton	ATTD
16504	Surf.Preparation & Restoration Type Iii	Ton	ATTD
67201	NS Asphalt Concrete Overlay	Ton	315
67210	NS Asphalt Concrete	Ton	315
68240	NS Asphalt Concrete	Ton	315

Exhibit 6.3(b)

Form C-16a
August 9, 2013

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

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

PROJECT NUMBER: Project No. 0064-131-811, P101, R201, C501, B662-B670, D637, D638

DISTRICT: Hampton Roads District, District 5

Bid Prices in this contract for items containing PG 76-22 or PG 70-28 asphalt cement were developed using an f.o.b. price of \$ 522.86 per **IMPERIAL** ton for **PG 76-22 or PG 70-28**. This quote is project specific.

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

DATE: September 5, 2017

SIGNATURE: 

Skanska-Archer Western 2 Joint Venture

(Firm or Corporation)

JV076

(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.

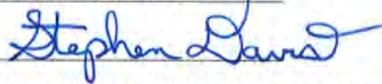
When quantities differ between the last monthly application of payment prepared upon final acceptance and the final application of payment, adjustment will be made using the appropriate current index for the period in which that specific item of work was last performed.

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 (As indicated on the Schedule of Items) Date: September 5, 2017

I elect not to use this provision

Signature: 

Design-builder: Skanska-Archer Western 2 Joint Venture

Vendor No.: JV076

Proposal Guaranty

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
PROPOSAL GUARANTY

KNOW ALL MEN BY THESE PRESENTS, THAT WE Skanska-Archer Western 2 Joint Venture As principal, and Zurich American Insurance Company Surety, are held and firmly bound unto the Commonwealth of Virginia as obligee, in the amount of FIVE PERCENT OF THE DOLLAR VALUE OF THE BID, lawful money of the United States of America, for the payment of which, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally and firmly by these presents.

SIGNED, sealed and dated this 30th Day of August, 20 17

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

PROJECT NUMBER: State Project No. 0064-131-811, P101, R201, C501, B662-B670, D637, D638; Federal Project No. NHPP-064-3(488)
Contract ID Number: C00106692DB93 - A Design-Build Project I-64 Southside Widening and High Rise Bridge, Phase 1 From: Rotunda Avenue 0.6 miles east of the I-264 interchange at Bowers Hill To: 0.9 miles east of the I-464 Interchange; City of Chesapeake, 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.

Skanska-Archer Western 2 Joint Venture

Zurich American Insurance Company

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

(Surety Company)
By: Nicole Roy
(Attorney-in-Fact**) (Seal)
c/o Alliant Insurance Services, Inc.
131 Oliver Street, 4th Floor, Boston, MA 02110
(Address)

Skanska USA Civil Southeast Inc.

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

By: _____
(Surety Company)

Archer Western Construction, LLC

(Principal*)
By: Sa P CBQ
(Officer, Partner or Owner) (Seal)

(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

**ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Maryland, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Maryland (herein collectively called the "Companies"), by **Michael P. Bond, Vice President**, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint **Eric J. CANTERBURY, Michael J. CUSACK, John J. GAMBINO, Sandra C. LOPES, Nicole ROY, Natalie CONEYS, Donald H. MCCARTER, Jean M. FEENEY, Nicholas LABBE, Laurie ROTHWELL and Sylvanna GEHA, all of Boston, Massachusetts**, its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings**, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland., in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said **ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND**, this 22nd day of June, A.D. 2017.

**ATTEST:
ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND**



By: *Michael P. Bond*
Vice President



By: *Dawn E. Brown*
Secretary

**State of Maryland
County of Baltimore**

On this 22nd day of June, A.D. 2017, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, **Michael P. Bond, Vice President and Dawn E. Brown, Secretary** of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, deposeth and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.



Constance A. Dunn, Notary Public
My Commission Expires: July 9, 2019



EXTRACT FROM BY-LAWS OF THE COMPANIES

"Article V, Section 8, Attorneys-in-Fact. The Chief Executive Officer, the President, or any Executive Vice President or Vice President may, by written instrument under the attested corporate seal, appoint attorneys-in-fact with authority to execute bonds, policies, recognizances, stipulations, undertakings, or other like instruments on behalf of the Company, and may authorize any officer or any such attorney-in-fact to affix the corporate seal thereto; and may with or without cause modify or revoke any such appointment or authority at any time."

CERTIFICATE

I, the undersigned, Vice President of the ZURICH AMERICAN INSURANCE COMPANY, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that Article V, Section 8, of the By-Laws of the Companies is still in force.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY at a meeting duly called and held on the 15th day of December 1998.

RESOLVED: "That the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the Seal of the Company may be affixed by facsimile on any Power of Attorney...Any such Power or any certificate thereof bearing such facsimile signature and seal shall be valid and binding on the Company."

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994, and the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 30th day of August, 2017.



Michael C. Fay, Vice President

TO REPORT A CLAIM WITH REGARD TO A SURETY BOND, PLEASE SUBMIT A COMPLETE DESCRIPTION OF THE CLAIM INCLUDING THE PRINCIPAL ON THE BOND, THE BOND NUMBER, AND YOUR CONTACT INFORMATION TO:

Zurich Surety Claims
1299 Zurich Way
Schaumburg, IL 60196-1056
www.zurichna.com/en/claims

Sworn Statement Forms

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION**

PROJECT: I-64 Southside Widening and High Rise Bridge Phase 1

FHWA: NHPP-064-3(488)

This form must be completed, signed and returned with bid; and failure to do so may result in the rejection of your bid. **THE CONTRACTOR SHALL AFFIRM THE FOLLOWING STATEMENT EITHER BY SIGNING THE AFFIDAVIT AND 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 Virginia Beach, VA, this 5th day of September, 20 17

County (City), STATE

Skanska USA Civil Southeast Inc.
(Name of Firm)

By: Stephen Davis Vice President
(Signature) Title (print)

STATE of VIRGINIA

COUNTY (CITY) of Virginia Beach

To-wit:

I Heather M. Rowland, a Notary Public in and for the State and County(City) aforesaid, hereby certify that this day Stephen Davis

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 5th day of September, 20 17

Heather M. Rowland My Commission expires 12/31/2021

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

(Name of Firm) By: _____ (Signature) _____ Title (print)



**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION**

PROJECT: I-64 Southside Widening and High Rise Bridge Phase 1

FHWA: NHPP-064-3(488)

This form must be completed, signed and returned with bid; and failure to do so may result in the rejection of your bid. **THE CONTRACTOR SHALL AFFIRM THE FOLLOWING STATEMENT EITHER BY SIGNING THE AFFIDAVIT AND 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 Cobb County (Atlanta), GA, this 5th day of September, 20 17
County (City), STATE

Archer Western Construction, LLC
(Name of Firm)

By: [Signature] Senior Vice President
Stephen P. Carter, Jr. Title (print)

STATE of Georgia

COUNTY (CITY) of Douglas (Douglasville)

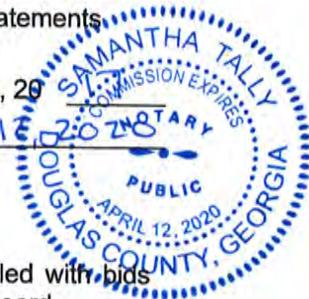
To-wit:

I Samantha Tally, a Notary Public in and for the State and County(City) aforesaid, hereby certify that this day Stephen P. Carter, Jr.

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 5th day of September, 2017

Samantha Tally My Commission expires April 12, 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: _____ Title (print)
(Name of Firm) (Signature)

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
AFFIDAVIT

PROJECT: I-64 Southside Widening and High Rise Bridge Phase I

FHWA: NHPP-064-3(488)

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

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>620 Moorefield Park Dr., Ste 120, Richmond, VA 23236</u>
<u>FTBA</u>	<u>1007 E. DeSoto Park Drive, Tallahassee, FL 32301</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 Virginia Beach, VA, this 5th day of September, 20 17
County (City), STATE

Skanska USA Civil Southeast Inc. By: Stephen Davis Vice President
(Name of Firm) (Signature) Title (print)

STATE of VIRGINIA COUNTY (CITY) of Virginia Beach

To-wit:

I Heather M. Rowland, a Notary Public in and for the State and County(City) aforesaid, hereby certify that this day Stephen Davis

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 5th day of September, 20 17

Heather M. Rowland My Commission expires 12/31/2021
Notary Public



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 Cobb County (Atlanta), GA , this 5th day of September , 20 17
County (City), STATE

Archer Western Construction, LLC By: SP PCobg Senior Vice President
(Name of Firm) Stephen P. Carter, Jr. Title (print)

STATE of Georgia COUNTY (CITY) of Douglas (Douglasville)

To-wit: I Samantha Tally , a Notary Public in and for the State and County(City) aforesaid, hereby certify that this day Stephen P. Carter Jr.

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 5th day of September , 20 17

Samantha Tally My Commission expires April 12, 2020
Notary Public





Skanska-Archer Western 2 Joint Venture

295 Bendix Road

Suite 400

Virginia Beach, VA 23452

SKANSKA  in association with

wsp