

Response to Request for Proposals

I-95 SOUTHBOUND CD LANES - RAPPAHANNOCK RIVER CROSSING

Stafford County/City of Fredericksburg, Virginia

State Project No.: 0095-111-259, P101, R201, C501; 0095-089-741

Federal Project No.: IM-5111(235)

Contract ID Number: C00101595DB94

PRICE PROPOSAL



SUBMITTED BY:



IN ASSOCIATION WITH:



ATTACHMENT 3.6

**COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION**

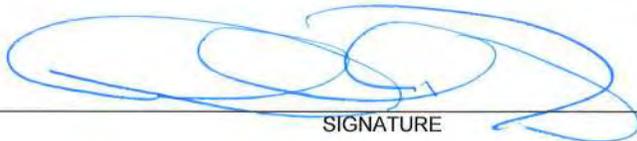
RFP NO. C00101595DB94
PROJECT NO.: 0095-111-259, P101, R201, C501; 0095-089-741

ACKNOWLEDGEMENT OF RFP, REVISION AND/OR ADDENDA

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

By signing this Attachment 3.6, the Offeror acknowledges receipt of the RFP and/or following revisions and/or addenda to the RFP for the above designated project which were issued under cover letter(s) of the date(s) shown hereon:

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



SIGNATURE

December 19, 2017

DATE

Michael E. Post

PRINTED NAME

President/CEO/Manager

TITLE

ATTACHMENT 4.0.1.2

**DESIGN-BUILD PRICE PROPOSAL
CHECKLIST**

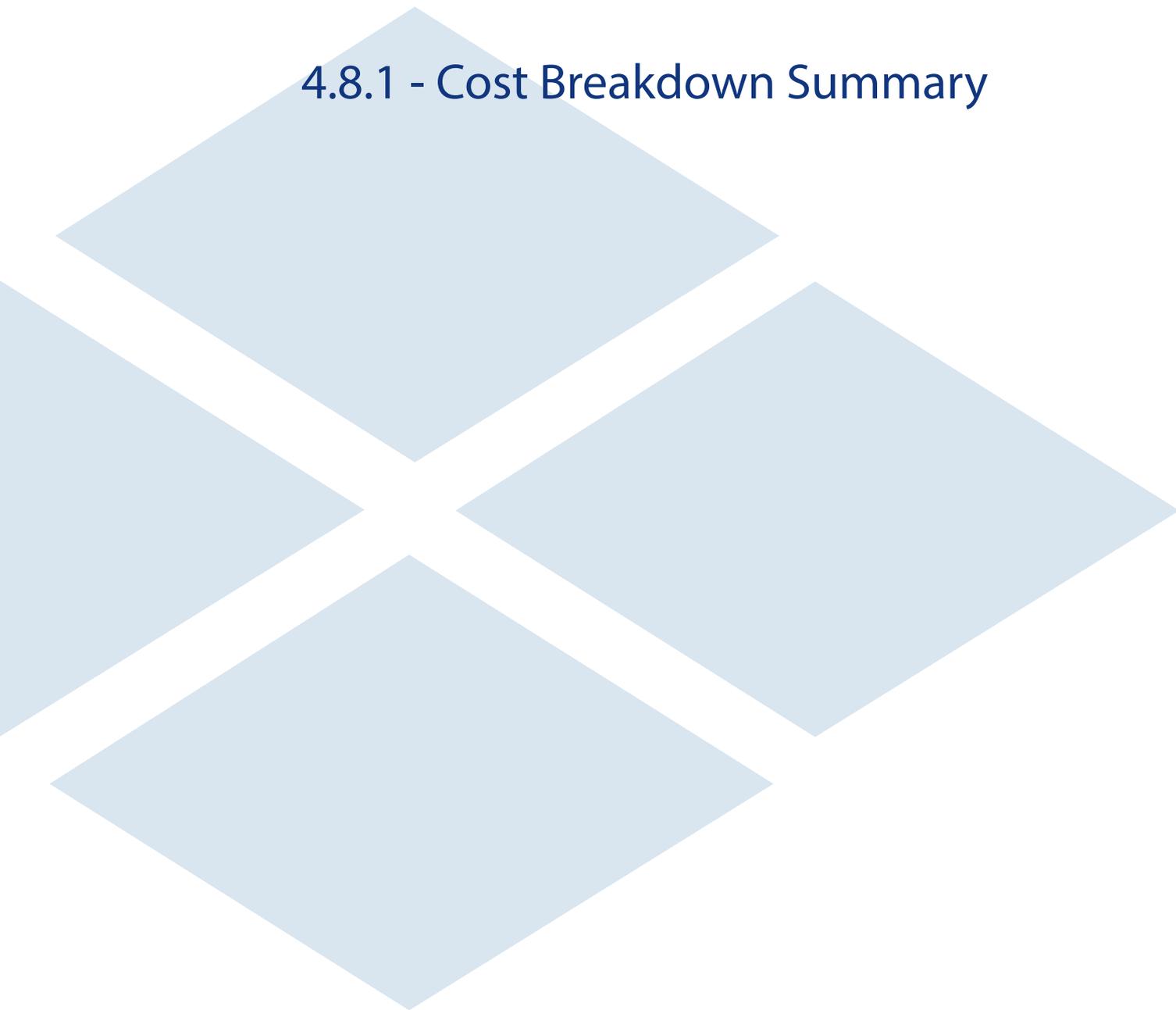
**Project Name: I-95 Southbound CD Lanes – Rappahannock River Crossing
Project**

Contract ID Number: C00101595DB94

➤ **Contents of Price Proposal:**

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



ATTACHMENT 4.8.1

PRICE PROPOSAL FORM

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

Price Proposal Cost Breakdown Summary;

A. Base Scope

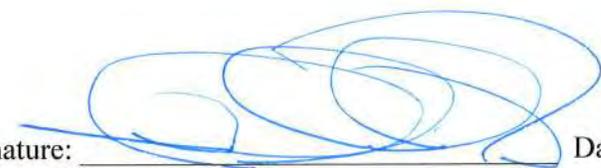
| | |
|---|--------------------------|
| Design Services, LS | \$ <u>11,250,000.00</u> |
| Construction Services (exclude QA/QC), LS | \$ <u>90,582,585.00</u> |
| Quality Assurance (QA) (Construction), LS | \$ <u>2,900,000.00</u> |
| Quality Control (QC) (Construction), LS | \$ <u>5,000,000.00</u> |
| Base Scope - Subtotal | \$ <u>109,732,585.00</u> |

B. Option #1

| | |
|--|------------------------|
| <u>Design Services, LS</u> | <u>\$ 500,000.00</u> |
| <u>Construction Services (exclude QA/QC), LS</u> | <u>\$ 3,151,585.00</u> |
| <u>Quality Assurance (QA) (Construction), LS</u> | <u>\$ 50,000.00</u> |
| <u>Quality Control (QC) (Construction), LS</u> | <u>\$ 50,000.00</u> |
| <u>Option #1 - Subtotal</u> | <u>\$ 3,751,585.00</u> |

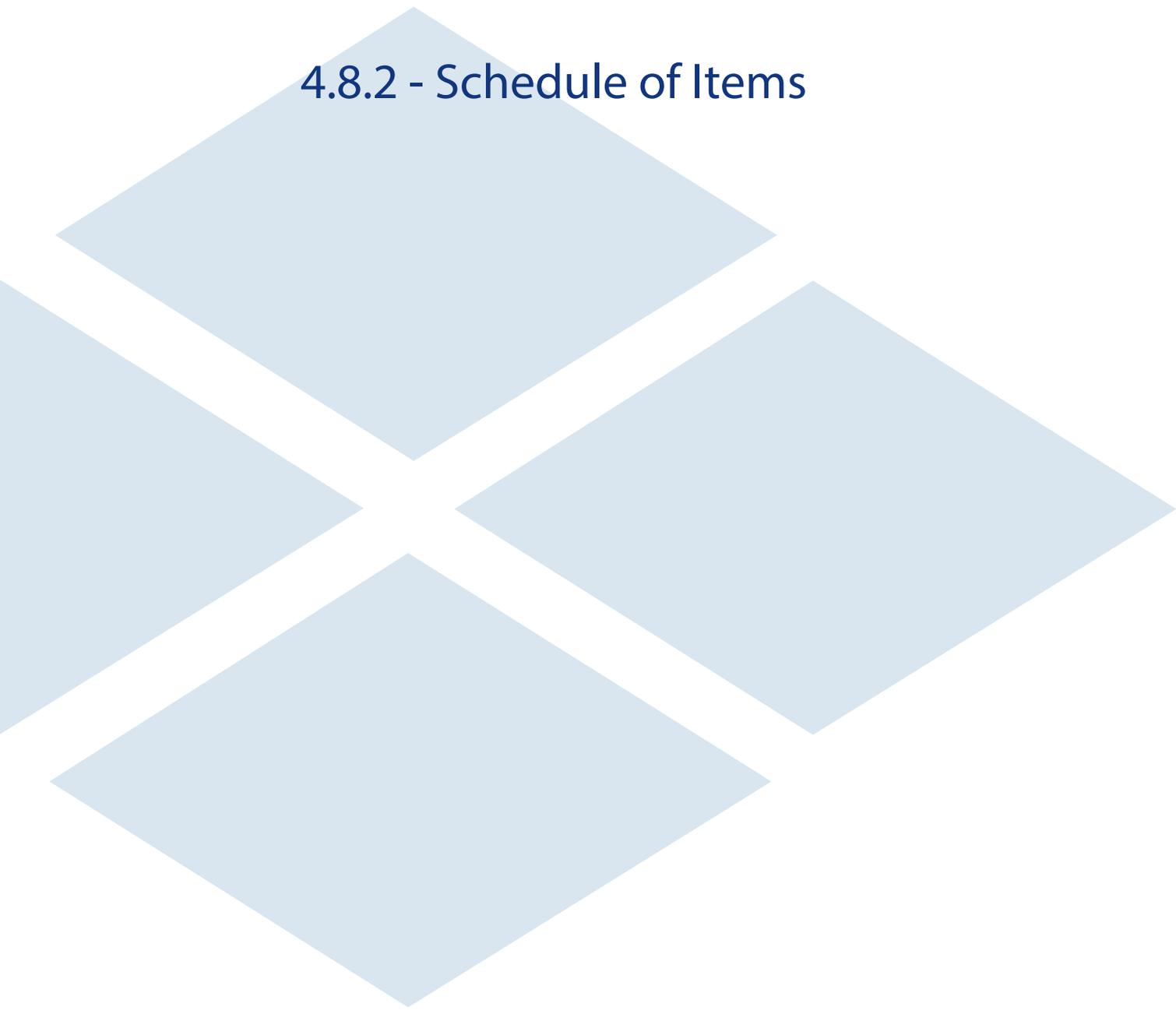
Total Proposal Price **(Base Scope Subtotal + Option #1 Subtotal)**; (Specify the Total Lump Sum price in both numbers and words, this price shall **equal** to the total sum of the items listed above)

Lump Sum (LS): One hundred thirteen million four hundred eighty four thousand one hundred seventy dollars an zero cents (\$ 113,484,170.00)

Signature:  Date: December 19, 2017

Design-Builder: Shirley Contracting Company, LLC

Vendor No.: S018



4.8.2 - Schedule of Items

Attachment 4.8.2 (a)

State Project 0095-111-259, P101, R201, C501

**I-95 Southbound CD Lanes – Rappahannock River Crossing Project
BASE SCOPE SCHEDULE OF ITEMS (ver. 4-15-2014)**

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

Date: 12/19/2017

| VDOT Item Code ¹ | Item Description | Fuel (F) or Price (P) Adjustment | Approximate Quantity | Units ¹ | Budgeted Cost (\$) |
|-----------------------------|---|----------------------------------|----------------------|--------------------|--------------------|
| 00100 | MOBILIZATION | | 1.00 | LS | \$4,740,000.70 |
| 00100 | BONDS & INSURANCE | | 1.00 | LS | \$970,250.00 |
| 00101 | CONSTRUCTION SURVEY & LAYOUT | | 1.00 | LS | \$950,000.00 |
| 00110 | CLEARING AND GRUBBING | | 1.00 | LS | \$2,500,000.00 |
| 00120 | REGULAR EXCAVATION | (F) | 409,110.00 | CY | \$7,773,090.00 |
| 00305 | LIGHTWEIGHT FILL AT COWAN BLVD CROSSING | (F) | 17,000.00 | CY | \$1,105,000.00 |
| 00212 | MINOR STR. EXCAV. BOX CULVERT | (F) | 200.00 | CY | \$20,000.00 |
| 00522 | CONCRETE CLASS A4 BOX CULVERT | (F) | 55.00 | CY | \$77,000.00 |
| 85140 | RX & REPLACE BOX CULVERT HEADWALL & WINGS | | 5.00 | EA | \$160,000.00 |
| 00525 | CONCRETE CLASS A3 MISC. | (F) | 360.00 | CY | \$162,000.00 |
| 00529 | FLOWABLE BACKFILL - ABANDON PIPE | | 350.00 | CY | \$80,500.00 |
| 00540 | REINF. STEEL | | 7,600.00 | LBS | \$7,600.00 |
| 00588 | UNDERDRAIN UD-4 | | 92,010.00 | LF | \$828,090.00 |
| 00590 | COMB. UNDERDRAIN CD-1 | | 600.00 | LF | \$18,000.00 |
| 00591 | COMB. UNDERDRAIN CD-2 | | 800.00 | LF | \$24,000.00 |
| 00595 | OUTLET PIPE | | 10,745.00 | LF | \$193,410.00 |
| 00596 | ENDWALL EW-12 | | 307.00 | EA | \$276,300.00 |
| 00700 | POST INSTALLATION INSPECTION | | 7,580.00 | LF | \$60,640.00 |
| 01156 | STORM SEWER PIPE 15" | | 3,530.00 | LF | \$282,400.00 |
| 01186 | STORM SEWER PIPE 18" | | 810.00 | LF | \$81,000.00 |
| 01246 | STORM SEWER PIPE 24" | | 1,360.00 | LF | \$136,000.00 |
| 01306 | STORM SEWER PIPE 30" | | 510.00 | LF | \$76,500.00 |
| 01366 | STORM SEWER PIPE 36" | | 700.00 | LF | \$126,000.00 |
| 01426 | STORM SEWER PIPE 42" | | 430.00 | LF | \$111,800.00 |
| 01486 | STORM SEWER PIPE 48" | | 80.00 | LF | \$20,000.00 |
| 01546 | STORM SEWER PIPE 54" | | 160.00 | LF | \$56,000.00 |
| 01605 | STORM SEWER - JACK & BORE | | 200.00 | LF | \$510,000.00 |
| 02091 | NS PIPE FIELD CONNECTION | | 25.00 | EA | \$80,000.00 |
| 85140 | FLUSH/CLEAN & REPAIR EX. CULVERT | | 2,900.00 | LF | \$188,500.00 |
| 06151 | 15" END SECTION ES-1 | | 24.00 | EA | \$24,000.00 |
| 06181 | 18" END SECTION ES-1 | | 12.00 | EA | \$20,400.00 |
| 06241 | 24" END SECTION ES-1 | | 8.00 | EA | \$11,200.00 |
| 06301 | 30" END SECTION ES-1 | | 3.00 | EA | \$5,400.00 |
| 06360 | 36" END SECTION ES-1 | | 4.00 | EA | \$10,000.00 |
| 06420 | 42" END SECTION ES-1 | | 2.00 | EA | \$7,000.00 |
| 09250 | LEVEL SPREADER | | 2.00 | EA | \$7,000.00 |
| 07508 | DROP INLET DI-7 | | 27.00 | EA | \$256,500.00 |
| 08264 | DROP INLET DI-10 | | 53.00 | EA | \$662,500.00 |
| 08900 | DROP INLET DI-12 | | 5.00 | EA | \$62,500.00 |
| 08962 | DROP INLET DI-13 | | 2.00 | EA | \$14,000.00 |
| 09056 | MANHOLE MH-1 OR 2 | | 7.00 | EA | \$56,000.00 |
| 09149 | EROS.CONTR.STONE CL. A1 EC-1 | (F) | 265.00 | TON | \$23,850.00 |
| 09150 | EROS.CONTR.STONE CL. I, EC-1 | (F) | 350.00 | TON | \$35,000.00 |
| 10017 | CEM.S.AGR.BAS.MATL.TY.I N.21A | (F) | 105,470.00 | TON | \$3,796,920.00 |
| 10062 | ASPH-STAB. OPEN-GRADED MATERIAL | (F&P) | 28,065.00 | TON | \$2,525,850.00 |
| 10128 | AGGR. BASE MATL. TY. I NO. 21B | (F) | 8,625.00 | TON | \$258,750.00 |
| 10103 | AGGR. BASE MATL. NO.25 OR 26 | (F) | 4,000.00 | TON | \$128,000.00 |

| VDOT Item Code ¹ | Item Description | Fuel (F) or Price (P) Adjustment | Approximate Quantity | Units ¹ | Budgeted Cost (\$) |
|-----------------------------|--|----------------------------------|----------------------|--------------------|--------------------|
| 10498 | NS PAVEMENT SAWCUT FULL DEPTH | | 98,200.00 | LF | \$392,800.00 |
| 10610 | ASPHALT CONCRETE TY. IM-19.0D | (F&P) | 51,125.00 | TON | \$4,345,625.00 |
| 10628 | FLEXIBLE PAVEMENT PLANNING 0-2" | | 113,875.00 | SY | \$455,500.00 |
| 10607 | ASPHALT CONCRETE TY. SM-12.5A | (F&P) | 3,025.00 | TON | \$272,250.00 |
| 10609 | ASPHALT CONCRETE TY. SM-12.5E (76-22) | (F&P) | 45,575.00 | TON | \$4,785,375.00 |
| 10642 | ASPHALT CONCRETE TY. BM-25.0A | (F&P) | 79,520.00 | TON | \$5,566,400.00 |
| 10700 | RUMBLE STRIP, ASPHALT | (F&P) | 65,000.00 | LF | \$65,000.00 |
| 12700 | STD. COMB. CURB & GUTTER CG-7 | | 200.00 | LF | \$8,000.00 |
| 13315 | GUARDRAIL TERMINAL GR-11 | | 25.00 | EA | \$30,000.00 |
| 13320 | GUARDRAIL GR-MGS1 | | 51,755.00 | LF | \$983,345.00 |
| 13345 | ALT.BREAKAWAY CABLE TERM.(GR-9) | | 28.00 | EA | \$75,600.00 |
| 13392 | FIXED OBJECT ATTACH. GR-FOA-2 TY. I | | 10.00 | EA | \$27,000.00 |
| 13393 | FIXED OBJECT ATTACH. GR-FOA-2 TY. II | | 11.00 | EA | \$4,400.00 |
| 13460 | MEDIAN BARRIER - BPPS | | 2,225.00 | LF | \$778,750.00 |
| 13460 | MEDIAN BARRIER MB-7D | | 2,830.00 | LF | \$254,700.00 |
| 13461 | MEDIAN BARRIER MB-7E | | 2,070.00 | LF | \$414,000.00 |
| 13462 | MEDIAN BARRIER MB-7F | | 15,255.00 | LF | \$1,449,225.00 |
| 13482 | MEDIAN BARRIER MB-8A | | 1,485.00 | LF | \$356,400.00 |
| 13606 | TEMPORARY IMPACT ATTEN SERV. | | 16.00 | EA | \$336,000.00 |
| 13610 | IMPACT ATT.SER.TY.III(TL-3>45 MPH DES SP | | 2.00 | EA | \$64,000.00 |
| 13753 | SOUND BARRIER WALL | | 21,997.00 | SF | \$1,055,856.00 |
| 13810 | RETAINING STRUCTURE | | 25,565.00 | SF | \$2,428,675.00 |
| 23560 | TEMP. SAFETY FENCE 4' | | 5,000.00 | LF | \$15,000.00 |
| 24160 | CONSTRUCTION SIGNS | | 1,600.00 | SF | \$88,000.00 |
| 10610 | NS SHOULDER STRENGTHENING - ASPHALT | (F&P) | 4,820.00 | TON | \$554,300.00 |
| 10642 | MOT TEMPORARY ASPHALT | (F&P) | 3,915.00 | TON | \$450,225.00 |
| 24279 | PORT.CHANGEABLE MESS. SIGN | | 1.00 | LS | \$85,000.00 |
| 24282 | TRAFFIC CONTROL & MAINT. | | 1.00 | LS | \$1,600,000.00 |
| 13496 | TRAFFIC BARRIER SER. CONC. MB-10 | | 200.00 | LF | \$30,000.00 |
| 24290 | TRAFFIC BARRIER SER. CONC. | | 33,400.00 | LF | \$1,202,400.00 |
| 24430 | DEMO. OF PAVEMENT (FLEXIBLE) | | 75,500.00 | SY | \$679,500.00 |
| 24601 | NS REMOVE EXIST. GUARDRAIL ... | | 19,900.00 | LF | \$39,800.00 |
| 24602 | NS REMOVE EXIST. FENCE ... | | 5,000.00 | LF | \$10,000.00 |
| 24801 | NS REMOVE EXIST. DROP INLET ... | | 10.00 | EA | \$17,500.00 |
| 24831 | NS ADJUST EXIST. DROP INLET ... | | 15.00 | EA | \$33,000.00 |
| 25505 | FIELD OFFICE TY.II MODIFIED | | 37.00 | MO | \$140,600.00 |
| 25561 | FORMAL PARTNERING | | 1.00 | LS | \$10,000.00 |
| 25565 | PROGRESS SCHEDULE BASELINE | | 1.00 | LS | \$300,000.00 |
| 25567 | PROGRESS SCHEDULE UPDATES | | 42.00 | EA | \$50,400.00 |
| 26119 | DRY RIPRAP CL.I | (F) | 3,800.00 | TON | \$285,000.00 |
| 27022 | TOPSOIL CLASS A 2" | (F) | 23,000.00 | CY | \$230,000.00 |
| 27102 | SITE SEEDING | | 553,185.00 | SY | \$829,777.50 |
| 27325 | SOIL STAB. MAT EC-3 | | 25,000.00 | SY | \$250,000.00 |
| 27410 | CHECK DAM, ROCK | | 275.00 | EA | \$82,500.00 |
| 27405 | TEMP. SEDIMENT TRAP | | 12.00 | EA | \$28,800.00 |
| 27422 | DEWATERING BASIN | | 5.00 | EA | \$60,000.00 |
| 27430 | SILTATION CONTROL MAINT.& REMOVAL | | 1.00 | LS | \$650,000.00 |
| 27440 | MOWING | | 1.00 | LS | \$10,000.00 |
| 27451 | INLET PROTECTION | | 110.00 | EA | \$82,500.00 |
| 27505 | TEMP. SILT FENCE (STD. & SUPER) | | 63,000.00 | LF | \$252,000.00 |
| 27550 | SWM DRAINAGE STRUCTURE | | 5.00 | EA | \$100,000.00 |
| 28500 | SWM POND SEEDING | | 1.00 | LS | \$150,000.00 |
| 50108 | SIGN PANEL - GRND MNT & MAINTENCE | | 2,638.00 | SF | \$52,760.00 |
| 51945 | TRAFFIC DMS SIGN & STRUCTURE | | 1.00 | EA | \$160,000.00 |
| 50575 | TRAFFIC SIGN O/H & CANTILEVER STRUCTURE | | 11.00 | EA | \$2,090,000.00 |

| VDOT Item Code ¹ | Item Description | Fuel (F) or Price (P) Adjustment | Approximate Quantity | Units ¹ | Budgeted Cost (\$) |
|-----------------------------|--|----------------------------------|----------------------|--------------------|--------------------|
| 51184 | TRAFFIC SIGNALIZATION & LIGHTING | | 1.00 | LS | \$130,000.00 |
| 54075 | TY.B CL.VI PAVE. LINE MARK. | | 155,000.00 | LF | \$620,000.00 |
| 54079 | TY.B CL.VI PAVE.LINE MARK. CONT | | 4,600.00 | LF | \$32,200.00 |
| 54510 | CONSTR.PAVE.MARK - TEMPORARY | | 190,000.00 | LF | \$285,000.00 |
| 54105 | ERAD. OF EXIST.PAVE.MARKING | | 30,000.00 | LF | \$33,000.00 |
| 54217 | SNOW PLOW.RAISED PAVE.MARK.ASPH.CONC | | 1,650.00 | EA | \$66,000.00 |
| 54250 | PAVEMENT MESSAGE MARK. | | 1.00 | LS | \$4,500.00 |
| 62510 | ELECT. OPERATION EQUIP. ITS/CCTV | | 1.00 | LS | \$1,200,000.00 |
| 60409 | CONCRETE CLASS A4 LW (ABUT BACKWALLS, INTEGRAL) | (F) | 70.00 | CY | \$105,000.00 |
| 60409 | CONCRETE CLASS A4 LIGHTWEIGHT (DECKS) | (F) | 1,948.00 | CY | \$1,363,600.00 |
| 61711 | CR REINF. STEEL SOILD STAINLESS (DECKS) | | 527,725.00 | LBS | \$1,583,175.00 |
| 61711 | CRRS REINFORCING STAINLESS ABUT BACKWALLS) | | 10,462.00 | LBS | \$10,462.00 |
| 60450 | CONC. CL. A4 BRIDGE APPR. SLAB | (F) | 104.00 | CY | \$72,800.00 |
| 60452 | REINF. STEEL BRIDGE APPR. SLAB | | 27,500.00 | LB | \$27,500.00 |
| 60490 | BRIDGE DECK GROOVING | | 6,589.00 | SY | \$26,356.00 |
| 61812 | STRUCTURAL STEEL GIRDERS GR50W | | 3,807,996.00 | LBS | \$4,950,394.80 |
| 62406 | TOOTH JOINTS (1 EACH END) | | 115.00 | LF | \$172,500.00 |
| 62024 | PARAPET F-SHAPE 42" | | 2,356.00 | LF | \$188,480.00 |
| 61711 | PARAPET SS REBAR | | 42,408.00 | LBS | \$127,224.00 |
| 64011 | STRUCTURE EXCAVATION (PIERS) | (F) | 1,148.00 | CY | \$172,200.00 |
| 64011 | STRUCTURE EXCAVATION ABUTMENTS | (F) | 1.00 | LS | \$10,000.00 |
| 66120 | COFFERDAM | | 1.00 | LS | \$400,000.00 |
| 66115 | CONSTRUCTION ACCESS (LAND & WATER) | | 1.00 | LS | \$3,000,000.00 |
| 64015 | ABUTMENT SELECT BACKFILL ZONE | | 276.00 | CY | \$19,320.00 |
| 64032 | POUROUS BACKFILL FOR UD NOT SELECT ZONE) | | 48.00 | TON | \$2,880.00 |
| 64036 | PIPE UNDERDRAIN 6" | | 220.00 | LF | \$2,200.00 |
| 64013 | CONCRETE CLASS A3 | (F) | 2,770.00 | CY | \$1,939,000.00 |
| 65200 | REINF. STEEL (BLACK IRON SUBSTRUCTURE) | | 419,750.00 | LB | \$419,750.00 |
| 64114 | H PILES HP14 X73 (28 EACH) | | 1,036.00 | LF | \$134,680.00 |
| 67400 | DECK DRAINAGE: SCUPPERS/DSPOUTS | | 42.00 | EA | \$88,200.00 |
| 66718 | RIPRAP SLOPE PROTECTION | | 1.00 | LS | \$30,000.00 |
| 60409 | B606: CONCRETE CLASS A4 (ABUT BACKWALLS, INTEGRAL) | (F) | 68.00 | CY | \$61,200.00 |
| 60409 | B606: CONCRETE CLASS A4 (DECKS) | (F) | 343.00 | CY | \$240,100.00 |
| 61711 | B606: CRR CLASS III REBAR | | 94,558.00 | LBS | \$283,674.00 |
| 60450 | B606: CONCRETE CLASS A4 BRIDGE APPROACH SLAB | (F) | 140.00 | CY | \$84,000.00 |
| 60452 | B606: CRR CLASS III REBAR APPROACH SLAB | | 40,283.00 | LBS | \$120,849.00 |
| 60490 | B606: BRIDGE DECK GROOVING | | 1,402.00 | SY | \$7,010.00 |
| 61208 | B606: PCBT-29 | | 22.00 | EA | \$660,000.00 |
| 62024 | B606: PARAPET F-SHAPE 42" | | 282.00 | LF | \$35,250.00 |
| 61711 | B606: STRUCTURE EXCAVATION (PIER& ABUTMENTS) | (F) | 504.00 | CY | \$226,800.00 |
| 64112 | B606: HP 12X53 PILES | | 2,279.00 | LF | \$136,740.00 |
| 64114 | B606: HP 14X73 PILES (ABUT) | | 1,776.00 | LF | \$133,200.00 |
| 64013 | B606: CONCRETE CLASS A3 | (F) | 218.00 | CY | \$218,000.00 |
| 65200 | B606: CRR CLASS I | | 57,630.00 | LBS | \$172,890.00 |
| 67260 | B606: UTILITY & CONDUITS | | 1.00 | LS | \$30,000.00 |
| 60409 | B651: CONCRETE CLASS A4 (ABUT BACKWALLS, INTEGRAL) | (F) | 44.00 | CY | \$56,100.00 |
| 60409 | B651: CONCRETE CLASS A4 (DECKS) | (F) | 212.00 | CY | \$159,000.00 |
| 61711 | B651: CRR CLASS III REBAR | | 66,414.00 | LBS | \$199,242.00 |
| 60450 | B651: CONCRETE CLASS A4 BRIDGE APPROACH SLAB | (F) | 106.00 | CY | \$74,200.00 |
| 60452 | B651: CRR CLASS III REBAR APPROACH SLAB | | 15,922.00 | LBS | \$47,766.00 |
| 60490 | B651: BRIDGE DECK GROOVING | | 900.00 | SY | \$4,500.00 |
| 61208 | B651: PCBT-29 | | 14.00 | EA | \$420,000.00 |
| 62024 | B651: PARAPET F-SHAPE 42" | | 282.00 | LF | \$33,840.00 |
| 64011 | B651: STRUCTURE EXCAVATION (PIER& ABUTMENTS) | (F) | 250.00 | CY | \$100,000.00 |
| 64112 | B651: HP 12X53 PILES | | 2,352.00 | LF | \$129,360.00 |

| VDOT Item Code ¹ | Item Description | Fuel (F) or Price (P) Adjustment | Approximate Quantity | Units ¹ | Budgeted Cost (\$) |
|-----------------------------|---|----------------------------------|----------------------|--------------------|-------------------------|
| 64114 | B651: HP 14X73 PILES (ABUT) | | 1,110.00 | LF | \$83,250.00 |
| 64013 | B651: CONCRETE CLASS A3 | (F) | 149.00 | CY | \$189,975.00 |
| 65200 | B651: CRR CLASS I | | 5,750.00 | LBS | \$17,250.00 |
| 67260 | B651: UTILITY & CONDUITS | | 1.00 | LS | \$25,000.00 |
| 60409 | B652: CONCRETE CLASS A4 (ABUT BACKWALLS, INTEGRAL | (F) | 68.00 | CY | \$68,000.00 |
| 60409 | B652: CONCRETE CLASS A4 (DECK) | (F) | 404.00 | CY | \$282,800.00 |
| 61711 | B652: CRR CLASS III REBAR | | 106,157.00 | LBS | \$318,471.00 |
| 60450 | B652: CONCRETE CLASS A4 BRIDGE APPROACH SLAB | (F) | 162.00 | CY | \$125,550.00 |
| 60452 | B652: CRR CLASS III REBAR APPROACH SLAB | | 36,382.00 | LBS | \$109,146.00 |
| 60490 | B652: BRIDGE DECK GROOVING | | 1,370.00 | SY | \$6,850.00 |
| 61208 | B652: PCBT-29 | | 22.00 | EA | \$660,000.00 |
| 62024 | B652: PARAPET F-SHAPE 42" | | 282.00 | LF | \$33,840.00 |
| 64011 | B652: STRUCTURE EXCAVATION (PIER& ABUTMENTS) | (F) | 273.00 | CY | \$109,200.00 |
| 64112 | B652: HP 12X53 PILES | | 3,220.00 | LF | \$177,100.00 |
| 64114 | B652: HP 14X73 PILES(ABUT) | | 1,628.00 | LF | \$122,100.00 |
| 64013 | B652: CONCRETE CLASS A3 | (F) | 284.00 | CY | \$340,800.00 |
| 65200 | B652: CRR CLASS I | | 8,732.00 | LBS | \$26,196.00 |
| 67260 | B652: UTILITY & CONDUITS | | 1.00 | LS | \$25,000.00 |
| 70000 | PROJECT WIDE DEMO. | | 1.00 | LS | \$200,000.00 |
| 70000 | BRIDGE DEMOLITION EX NB/SB I95 OVER RT 17 | | 1.00 | LS | \$550,000.00 |
| 40012 | UTILITY RELOCATION | | 1.00 | LS | \$100,000.00 |
| 70093 | DESIGN BUILD RIGHT OF WAY | | 1.00 | LS | \$125,000.00 |
| 25595 | QA TESTING | | 1.00 | LS | \$2,900,000.00 |
| 25595 | QC TESTING | | 1.00 | LS | \$5,000,000.00 |
| 28800 | WETLAND MITIGATION | | 1.00 | LS | \$1,750,000.00 |
| 25591 | DESIGN BUILD ENGINEERING | | 1.00 | LS | \$11,250,000.00 |
| | | | | | |
| | | | | | \$109,732,585.00 |
| | | | | | |
| | | | | | |

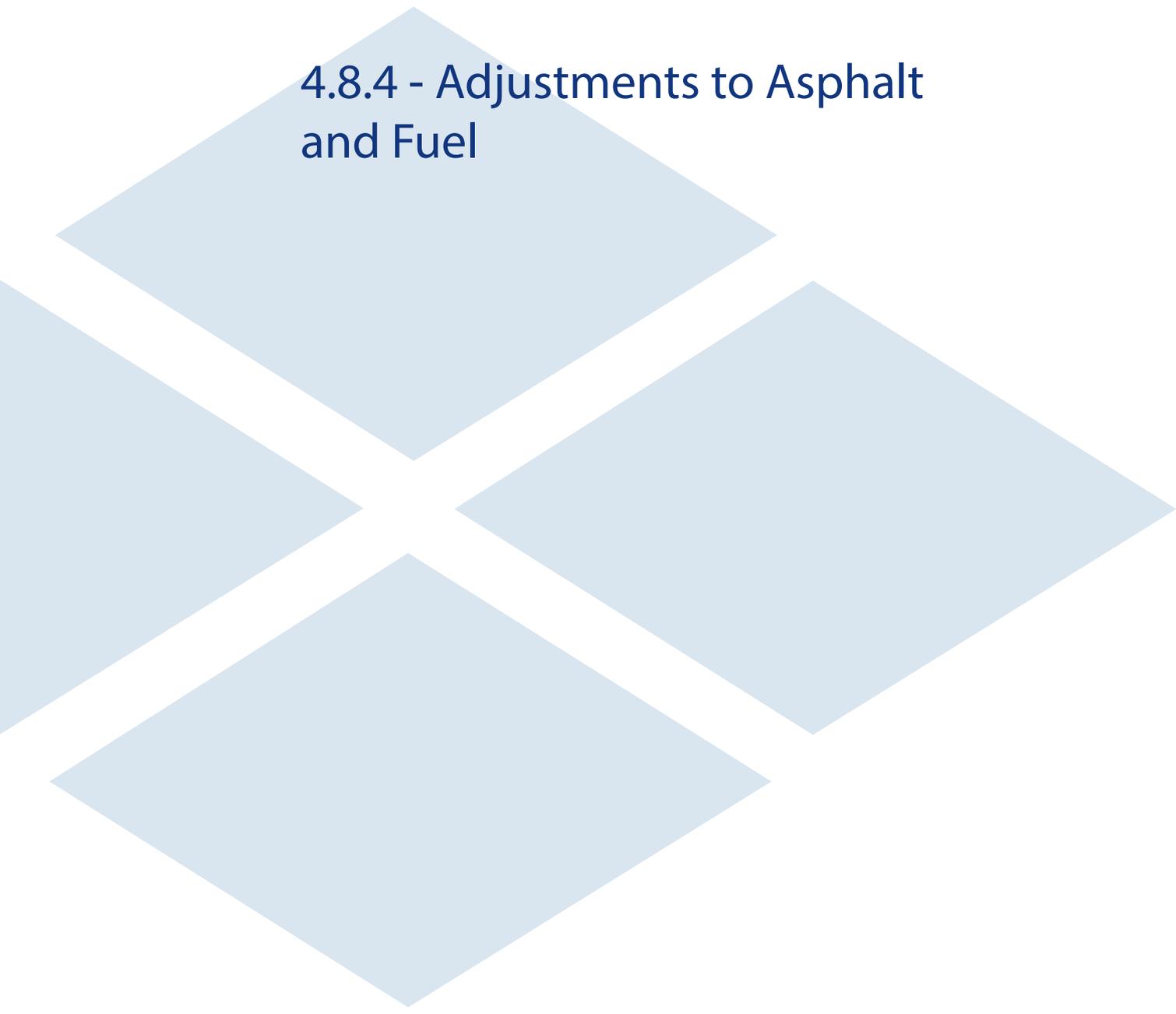
¹ Use five-digit work item codes and units of measure that are consistent with VDOT's list of standard and non-standard item codes (i.e. 00100-Mobilization; 00120-

4.8.3 - Monthly Payment Schedule

Monthly Payment Schedule

Base Scope and Option 1

| Period Ending (Month) | Projected Monthly Total: | Projected Cumulative Total: |
|-----------------------|--------------------------|-----------------------------|
| February 2018 | \$ 680,905 | \$ 680,905 |
| March 2018 | \$ 1,248,326 | \$ 1,929,231 |
| April 2018 | \$ 2,383,168 | \$ 4,312,398 |
| May 2018 | \$ 2,383,168 | \$ 6,695,566 |
| June 2018 | \$ 2,383,168 | \$ 9,078,734 |
| July 2018 | \$ 2,383,168 | \$ 11,461,901 |
| August 2018 | \$ 2,610,136 | \$ 14,072,037 |
| September 2018 | \$ 2,837,104 | \$ 16,909,141 |
| October 2018 | \$ 2,950,588 | \$ 19,859,730 |
| November 2018 | \$ 3,064,073 | \$ 22,923,802 |
| December 2018 | \$ 2,610,136 | \$ 25,533,938 |
| January 2019 | \$ 2,156,199 | \$ 27,690,137 |
| February 2019 | \$ 2,496,652 | \$ 30,186,789 |
| March 2019 | \$ 2,496,652 | \$ 32,683,441 |
| April 2019 | \$ 2,383,168 | \$ 35,066,609 |
| May 2019 | \$ 2,610,136 | \$ 37,676,744 |
| June 2019 | \$ 2,496,652 | \$ 40,173,396 |
| July 2019 | \$ 2,610,136 | \$ 42,783,532 |
| August 2019 | \$ 2,723,620 | \$ 45,507,152 |
| September 2019 | \$ 2,837,104 | \$ 48,344,256 |
| October 2019 | \$ 2,610,136 | \$ 50,954,392 |
| November 2019 | \$ 2,723,620 | \$ 53,678,012 |
| December 2019 | \$ 2,156,199 | \$ 55,834,212 |
| January 2020 | \$ 2,042,715 | \$ 57,876,927 |
| February 2020 | \$ 2,042,715 | \$ 59,919,642 |
| March 2020 | \$ 2,156,199 | \$ 62,075,841 |
| April 2020 | \$ 2,269,683 | \$ 64,345,524 |
| May 2020 | \$ 2,496,652 | \$ 66,842,176 |
| June 2020 | \$ 2,610,136 | \$ 69,452,312 |
| July 2020 | \$ 2,610,136 | \$ 72,062,448 |
| August 2020 | \$ 2,837,104 | \$ 74,899,552 |
| September 2020 | \$ 3,064,073 | \$ 77,963,625 |
| October 2020 | \$ 3,064,073 | \$ 81,027,697 |
| November 2020 | \$ 2,837,104 | \$ 83,864,802 |
| December 2020 | \$ 1,929,231 | \$ 85,794,033 |
| January 2021 | \$ 1,702,263 | \$ 87,496,295 |
| February 2021 | \$ 1,588,778 | \$ 89,085,073 |
| March 2021 | \$ 2,156,199 | \$ 91,241,273 |
| April 2021 | \$ 2,383,168 | \$ 93,624,440 |
| May 2021 | \$ 2,269,683 | \$ 95,894,124 |
| June 2021 | \$ 2,269,683 | \$ 98,163,807 |
| July 2021 | \$ 2,610,136 | \$ 100,773,943 |
| August 2021 | \$ 2,610,136 | \$ 103,384,079 |
| September 2021 | \$ 2,042,715 | \$ 105,426,794 |
| October 2021 | \$ 2,042,715 | \$ 107,469,509 |
| November 2021 | \$ 1,815,747 | \$ 109,285,256 |
| December 2021 | \$ 1,021,358 | \$ 110,306,613 |
| January 2022 | \$ 794,389 | \$ 111,101,002 |
| February 2022 | \$ 794,389 | \$ 111,895,392 |
| March 2022 | \$ 680,905 | \$ 112,576,297 |
| April 2022 | \$ 680,905 | \$ 113,257,202 |
| May 2022 | \$ 226,968 | \$ 113,484,170 |
| June 2022 | \$ - | \$ 113,484,170 |
| July 2022 | \$ - | \$ 113,484,170 |
| | \$ 113,484,170.00 | |



4.8.4 - Adjustments to Asphalt and Fuel

EXHIBIT 6.3(a)
ADJUSTMENT FOR ASPHALT

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

July 18, 2017

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

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

This monthly statewide average price will be the Base Index for all contracts on which Price Proposals are received during the calendar month of its posting and will be the Current Index for all asphalt placed during the calendar month of its posting. In the event an index changes radically from the apparent trend, as determined by the Engineer, the Department may establish an index which is determined to best reflect the trend.

The amount of adjustment applied will be based on the difference between the Price Proposal\Contract Base Index and the Current Index for the applicable calendar month during which the work is performed. Calculations must be done for each type of Asphalt Material put in place each month, whether the Current Index is higher or lower than the Base Index. The calculation for the adjustment shall be shown as follows:

$$A = Q \times \%AC \times IC$$

Where: A = Asphalt Adjustment Dollar Amount

Q = Quantity of Asphalt Material put in place during the month

%AC = % of Asphalt Cement in the Asphalt Material as specified in the Job Mix Formula

IC = Numeric Dollar Difference, either positive or negative, between the Base Index and Current Index

Example Calculation for Negative Price Adjustment (Credit back to VDOT):

7,500 Tons of SM-12.5A put in place during the month (Q), Job Mix is 6.1% Asphalt Cement for SM-12.5A (%AC), Base Index for the Contract is \$515/Ton, Current Index is \$500/Ton, Difference of - \$15.00/Ton (IC)

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

Example Calculation for Positive Price Adjustment (Paid to the Design-Builder):

10,000 Tons of BM-25.0A put in place during the month (Q), Job Mix is 5.2% Asphalt Cement for BM-25.0A (%AC), Base Index for the Contract is \$515/Ton, Current Index is \$560/Ton, Difference of + \$45.00/Ton (IC)

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

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

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

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

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

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

| ITEM | DESCRIPTION | UNITS | SPECIFICATION |
|-------|---------------------------------------|-------|---------------|
| 10062 | Asphalt-Stab. Open-Graded Material | Ton | 313 |
| 10416 | Liquid Asphalt | Gal | 311 312 |
| 10420 | Blotted Seal Coat Ty. B | Sy | ATTD |
| 10422 | Blotted Seal Coat Ty. C | Sy | ATTD |
| 10423 | Blotted Seal Coat Ty. C-1 | Sy | ATTD |
| 10424 | Blotted Seal Coat Ty. D | Sy | ATTD |
| 10598 | Ns Asphalt Concrete | Ton | 315 |
| 10606 | Asphalt Concrete Ty. SM-9.5 | Ton | 315 |
| 10607 | Asphalt Concrete Ty. SM-12.5A | Ton | 315 |
| 10608 | Asphalt Concrete Ty. SM-12.5D | Ton | 315 |
| 10609 | Asphalt Concrete Ty. SM-12.5E (76-22) | Ton | 315 |
| 10610 | Asphalt Concrete Ty. IM-19.0A | Ton | 315 |
| 10611 | Asphalt Concrete Ty. IM-19.0D | Ton | 315 |
| 10612 | Asphalt Conc. Base Cr. Ty. BM-25.0 | Ton | 315 |
| 10613 | Asphalt Concrete Ty. BM-37.5 | Ton | 315 |
| 10635 | Asphalt Concrete Ty. SM-9.5A | Ton | 315 |
| 10636 | Asphalt Concrete Ty. SM-9.5D | Ton | 315 |
| 10637 | Asphalt Concrete Ty. SM-9.5E (76-22) | Ton | 315 |
| 10639 | Asphalt Concrete Ty. SM-19.0 | Ton | 315 |
| 10642 | Asphalt Concrete Ty. BM-25.0A | Ton | 315 |
| 10643 | Asphalt Concrete Ty. BM-25.0D | Ton | 315 |
| 10650 | Stone Matrix Asphalt SMA-9.5(70-22) | Ton | 317 |
| 10651 | Stone Matrix Asphalt SMA-9.5(76-22) | Ton | 317 |
| 10652 | Stone Matrix Asphalt SMA-12.5(70-22) | Ton | 317 |
| 10653 | Stone Matrix Asphalt SMA-12.5(76-22) | Ton | 317 |
| 10654 | Stone Matrix Asphalt SMA-19.0(70-22) | Ton | 317 |
| 10655 | Stone Matrix Asphalt SMA-19.0(76-22) | Ton | 317 |
| 10701 | Liquid Asphalt Coating | Sy | ATTD |
| 12505 | Asphalt Concrete Curb Backup Material | Ton | 315 |
| 13240 | Asphalt Concrete Sidewalk | Ton | 504 |
| 16110 | Emul. Asph. Slurry Seal Type A | Sy | ATTD |
| 16120 | Emul. Asph. Slurry Seal Type B | Sy | ATTD |
| 16130 | Emul. Asph. Slurry Seal Type C | Sy | ATTD |
| 16144 | Latex Mod. Emul. Treat. Type B | Ton | ATTD |
| 16145 | Latex Mod. Emul. Treat. Type C | Ton | ATTD |
| 16146 | Latex Mod. Emul. Treat. 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: 0095-111-259, P101, R201, C501; 0095-089-741

DISTRICT: Fredericksburg

Bid Prices in this contract for items containing PG 76-22 or PG 70-28 asphalt cement were developed using an f.o.b.
price of \$ 529.²⁹ per IMPERIAL ton for PG 76-22 or PG 70-28. This quote is project specific.

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

DATE: December 19, 2017

SIGNATURE: _____

Shirley Contracting Company, LLC
(Firm or Corporation)

S018

(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.virginia.gov/business/resources/masteroptionalfuelitems.pdf>. The listing on the web site also includes the corresponding fuel factor for each item. The fuel usage factor for each item is considered inclusive of all fuel usage.

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

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

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

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

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

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

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

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

E = Current index price
Q = Quantity of individual units of work
F = Appropriate fuel factor

Adjustments will not be made for work performed beyond the original contract time limit unless the original time limit has been changed by an executed Work Order.

If new pay items are added to this contract by Work Order and they are listed in the Department's master listing of eligible items, the Work Order must indicate which of these individual items will be fuel adjusted; otherwise, those items will not be fuel adjusted. If applicable, designating which new pay items will be added for fuel adjustment must be determined during development of the Work Order and clearly shown on the Work Order form. The Base Index price on any new eligible pay items added by Work Order will be the Base Index price posted for the month in which bids were received for that particular project. The Current Index price for any new eligible pay items added by Work Order will be the Index price posted for the month preceding the estimate on which the Work Order is paid.

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

In the event any of the base fuel prices in this contract increase more than 100 percent (i.e. fuel prices double), the Department will review each affected item of work and give the Design-Builder written notice if work is to stop on any affected item of work. The Department reserves the right to reduce, eliminate or renegotiate the price for remaining portions of affected items of work.

Any amounts resulting from fuel adjustment will not be included in the total cost of work for determination of progress or for extension of contract time.

I elect to use this provision

I elect not to use this provision

Date: December 19, 2017

Signature: 

Design-builder: Shirley Contracting Company, LLC

Vendor No.: S018



4.8.5 - Proposal Guaranty

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

KNOW ALL MEN BY THESE PRESENTS, THAT WE SHIRLEY CONTRACTING COMPANY, LLC As principal, and TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA 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.

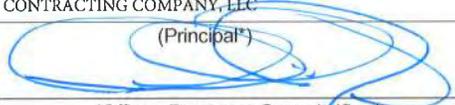
SIGNED, sealed and dated this 19TH Day of DECEMBER, 20 17

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

PROJECT NUMBER: CONTRACT ID NUMBER: C00101595DB94 A DESIGN-BUILD PROJECT
1-95 SOUTHBOUND CD LANES - RAPPAHANNOCK RIVER CROSSING
FROM: TRUSLOW ROAD TO: 1.29 MILES SOUTH OF EXIT 130
STAFFORD COUNTY/CITY OF FREDERICKSBURG, 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.

SHIRLEY CONTRACTING COMPANY, LLC

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

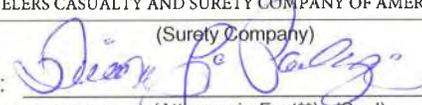
Michael E. Post President/CEO/Manager
(Principal*)

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

(Principal*)

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

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA

(Surety Company)
By: 
DIANA L. PARKER, (Attorney-in-Fact**) (Seal)

ONE TOWER SQUARE, HARTFORD, CT 06183
(Address)

By: _____
(Surety Company)

(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



POWER OF ATTORNEY

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Attorney-In Fact No. 232261

Certificate No. 007380303

KNOW ALL MEN BY THESE PRESENTS: That Farmington Casualty Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company are corporations duly organized under the laws of the State of Connecticut, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc., is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Diana L. Parker, Karen C. Bowling, and Terry D. Reynolds

of the City of Columbia, State of Maryland, their true and lawful Attorney(s)-in-Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 13th day of September, 2017.

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company



State of Connecticut
City of Hartford ss.

By: Robert L. Raney, Senior Vice President

On this the 13th day of September, 2017, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed 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 hereunto set my hand and official seal. My Commission expires the 30th day of June, 2021.



Marie C. Tetreault
Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

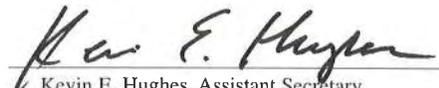
FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

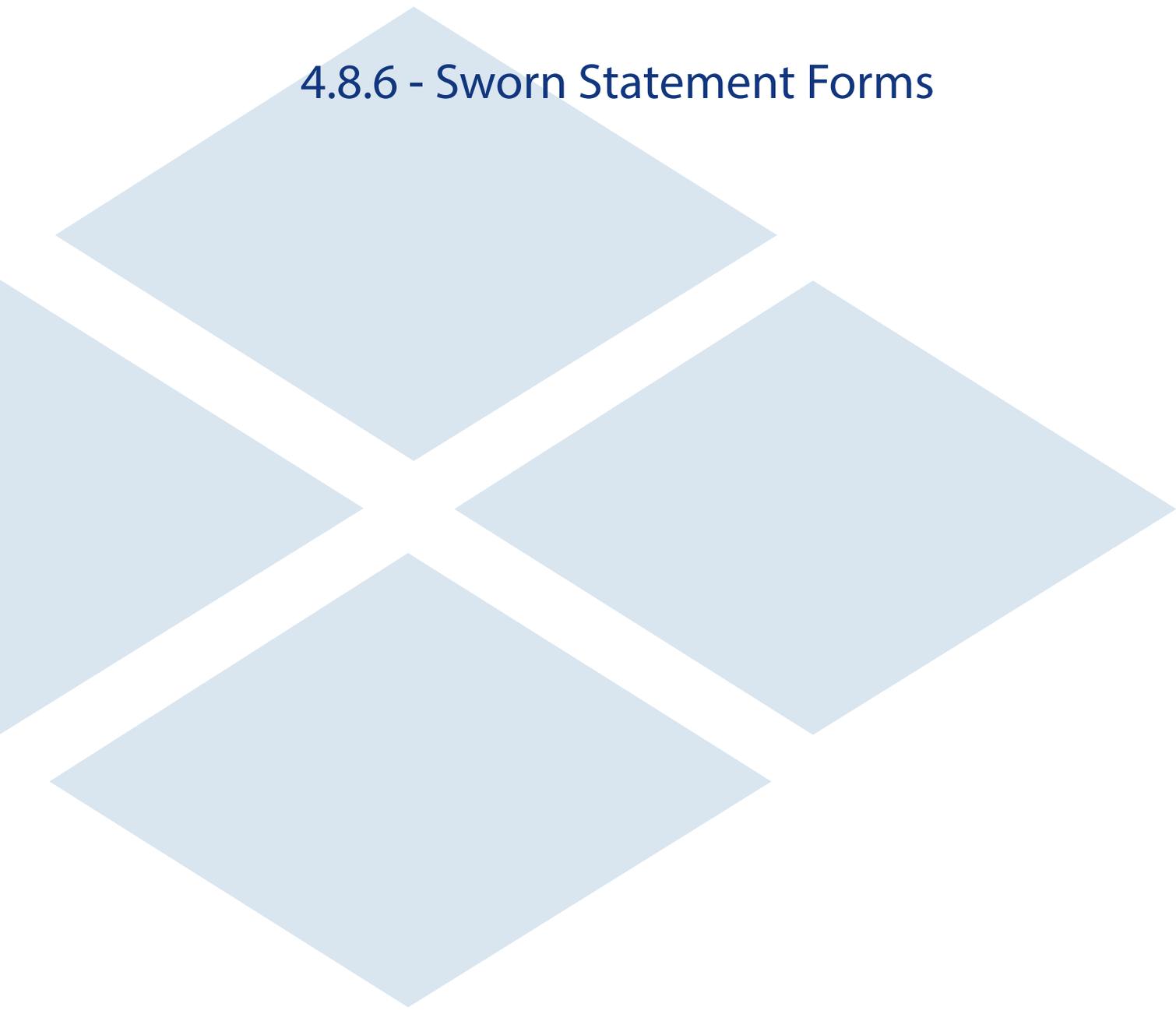
I, Kevin E. Hughes, the undersigned, Assistant Secretary, of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is 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 19th day of December, 2017.


Kevin E. Hughes, Assistant Secretary



To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at www.travelersbond.com. Please refer to the Attorney-In-Fact number, the above-named individuals and the details of the bond to which the power is attached.



4.8.6 - Sworn Statement Forms

ORDER NO.:
CONTRACT ID. NO.:

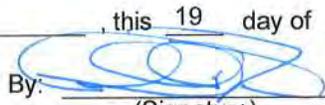
Form C-105
page 2

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 Farifax, Va., this 19 day of December, 20 17
Shirley Contracting Company, LLC County (City), STATE
(Name of Firm)

By:  President/CEO/Manager
(Signature) Title (print)

STATE of Virginia COUNTY (CITY) of Fairfax

To-wit: I Jessica Palma, a Notary Public in and for the State and County(City) aforesaid, hereby certify that this day Michael E. Post

personally appeared before me and made oath that he is duly authorized to make the above statements and that such statements are true and correct.

Subscribed and sworn to before me this 19th day of December, 20 17
My Commission expires 11/30/2020

Notary Public

