ATTACHMENT 4.0.1.2(b)

DESIGN-BUILD PRICE PROPOSAL CHECKLIST – PRICE PROPOSAL B

Project Name: I-395 HOV Ramp at Seminary Road with I-395 NB Auxiliary Lane Extension
Contract ID Number: C00096261DB50

➢ Contents of Price Proposal:

- ☒ **Proposal Price, in both numbers and words (Attachment 4.8.1)**
- ☒ **Schedule of Values itemized in accordance with Part 1, Section 4.8.3, 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 4.8.4**
- ☒ **Price Adjustment Information and Forms for Fuel, Asphalt and Steel, 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 4.8.7(a) and 4.8.7(b))**
- ☒ **DBE Requirements Forms (C-111, C-49 and C-112) as applicable (Attachments 4.8.8(a), 4.8.8(b) and 4.8.8(c))**
- ☒ **CD-ROM containing the entire Price Proposal in a single cohesive Adobe PDF file**

ATTACHMENT 4.8.1(b)

PRICE PROPOSAL FORM – PRICE PROPOSAL B

4.8.1 Offeror shall specify, the following pricing information, in both numbers and words:

.1 Proposal Price;

Lump Sum Fifty Five Million Eight hundred Sixty Seven thousand ($55,867,000.)

Date: February 13, 2013

Signature: [signature]

Design-Builder: Shirley Contracting Company, LLC

Vendor No.: S018

Schedule of Values

Act ID	Description	Fuel (F) / Price (P) Adjust.	Item Number	Material Description	Quantity	Unit	Scheduled Value
							$ 55,867,000
	SCHEDULE MILESTONES						
A1000	NOTICE OF INTENT TO AWARD (02/21/2013)						
A1040	CTB AWARD						
A1060	DESIGN-BUILD CONTRACT EXECUTION						
A1080	NOTICE TO PROCEED (04/25/2013)			Payment and Performance Bond	1	LS	$ 546,420
A1100	BEGIN CONSTRUCTION						
A1120	OPEN HOV RAMP BRIDGE to TRAFFIC-INTERIM MILESTONE(9/24/15)						
A1160	PROJECT READY FOR FINAL WALKTHROUGH						
A1180	COMPLETE VDOT PUNCHLIST				1	LS	$ 128,200
A1200	SUBSTANTIAL and FINAL COMPLETION						
A1220	SCOPE VALIDATION PERIOD (120 DAYS)						$ -
	DESIGN WORK						
BA1000	NOTIFICATION OF LANDOWNERS			NOTIFICATION OF LANDOWNERS	1	LS	$ 20,620
BA1020	BASE MAPPING/FIELD SURVEY			BASE MAPPING/FIELD SURVEY	1	LS	$ 198,260
BA1040	UTILITY DESIGNATIONS			UTILITY DESIGNATIONS	1	LS	$ 247,260
BA1060	UTILITY TEST PITS			UTILITY TEST PITS	1	LS	$ 113,380
BA1080	PREPARE ROW PLANS			PREPARE ROW PLANS	1	LS	$ 96,240
BA1100	VDOT REVIEW/COMMENT ROW PLANS			VDOT REVIEW/COMMENT ROW PLANS	1	LS	$ 20,620
BA1120	APPROVE ROW PLANS			APPROVE ROW PLANS	1	LS	$ 13,750
BA1140	GEOTECHNICAL INVESTIGATION			GEOTECHNICAL INVESTIGATION	1	LS	$ 673,680
BA1160	VDOT REVIEWS GEOTECHNICAL REPORTS			VDOT REVIEWS GEOTECHNICAL REPORTS	1	LS	$ 48,120
BB2000	PREPARE ROADWAY PLANS (1ST SUBMISSION)			PREPARE ROADWAY PLANS (1ST SUBMISSI	1	LS	$ 790,540
BB2020	DESIGN QA/QC (1ST SUBMISSION)			DESIGN QA/QC (1ST SUBMISSION)	1	LS	$ 34,370
BB2040	SUBMIT ROADWAY PLANS (1ST SUBMISSION)			SUBMIT ROADWAY PLANS (1ST SUBMISSION	1	LS	$ 82,490
BB2060	VDOT/FHWA REVIEW/COMMENT ROADWAY PLANS (1ST SUBMISSION)			VDOT/FHWA REVIEW/COMMENT ROADWAY	1	LS	$ 34,370
BB2080	PREPARE ROADWAY PLANS (2ND SUBMISSION)			PREPARE ROADWAY PLANS (2ND SUBMISSI	1	LS	$ 907,400
BB2100	DESIGN QA/QC (2ND SUBMISSION)			DESIGN QA/QC (2ND SUBMISSION)	1	LS	$ 34,370
BB2120	SUBMIT ROADWAY PLANS (2ND SUBMISSION)			SUBMIT ROADWAY PLANS (2ND SUBMISSION	1	LS	$ 82,490
BB2140	VDOT/FHWA REVIEW/COMMENT ROADWAY PLANS (2ND SUBMISSION)			VDOT/FHWA REVIEW/COMMENT ROADWAY	1	LS	$ 34,370
BB2160	PREPARE FINAL ROADWAY PLANS			PREPARE FINAL ROADWAY PLANS	1	LS	$ 501,820
BB2180	DESIGN FINAL QA/QC PLANS			DESIGN FINAL QA/QC PLANS	1	LS	$ 34,370
BB2200	SUBMIT FINAL ROADWAY PLANS			SUBMIT FINAL ROADWAY PLANS	1	LS	$ 82,490
BB2220	VDOT/FHWA REVIEW/COMMENT FINAL ROADWAY PLANS			VDOT/FHWA REVIEW/COMMENT FINAL ROAD	1	LS	$ 34,370
BB2240	FINAL ROADWAY PLANS APPROVED			FINAL ROADWAY PLANS APPROVED	1	LS	$ 34,370
BB2145	ADDITIONAL VDOT REVIEW TIME FOR FLOAT REQUIREMENT			ADDITIONAL VDOT REVIEW TIME FOR FLOAT	1	LS	$ 15,810

Schedule of Values

Act ID	Description	Fuel (F) / Price (P) Adjust.	Item Number	Material Description	Quantity	Unit	Scheduled Value
BC3008	SUBMIT PRELIMINARY BRIDGE DESIGNS (TS&L)			SUBMIT PRELIMINARY BRIDGE DESIGNS (TS	1	LS	$ 103,110
BC3020	VDOT/FHWA REVIEW/COMMENT BRIDGE PRELIMINARY DESIGN			VDOT/FHWA REVIEW/COMMENT BRIDGE PR	1	LS	$ 57,740
BC3040	PREPARE BRIDGE PLANS (1ST SUBMISSION)			PREPARE BRIDGE PLANS (1ST SUBMISSION)	1	LS	$ 57,740
BC3060	DESIGN QA/QC (1ST SUBMISSION)			DESIGN QA/QC (1ST SUBMISSION)	1	LS	$ 16,500
BC3080	SUBMIT BRIDGE PLANS (1ST SUBMISSION)			SUBMIT BRIDGE PLANS (1ST SUBMISSION)	1	LS	$ 501,820
BC3100	VDOT/FHWA REVIEW/COMMENT BRIDGE PLANS (1ST SUBMISSION)			VDOT/FHWA REVIEW/COMMENT BRIDGE PL	1	LS	$ 57,740
BC3120	PREPARE FINAL BRIDGE PLANS			PREPARE FINAL BRIDGE PLANS	1	LS	$ 274,970
BC3140	DESIGN QA/QC (FINAL SUBMISSION)			DESIGN QA/QC (FINAL SUBMISSION)	1	LS	$ 15,120
BC3160	SUBMIT FINAL BRIDGE PLANS			SUBMIT FINAL BRIDGE PLANS	1	LS	$ 142,990
BC3180	VDOT/FHWA REVIEW/COMMENT BRIDGE PLANS (FINAL SUBMISSION)			VDOT/FHWA REVIEW/COMMENT BRIDGE PL	1	LS	$ 28,870
BC3200	FINAL BRIDGE PLANS APPROVED			FINAL BRIDGE PLANS APPROVED	1	LS	$ 63,240
BC3000	PERFORM REQ'D BRIDGE IN-DEPTH INSPECTION #1			PERFORM REQ'D BRIDGE IN-DEPTH INSPEC	1	LS	$ 27,500
BC3002	DEVELOP RECOMMENDATIONS			DEVELOP RECOMMENDATIONS	1	LS	$ 6,870
BC3210	PERFORM REQ'D BRIDGE IN-DEPTH INSPECTION #2			PERFORM REQ'D BRIDGE IN-DEPTH INSPEC	1	LS	$ 27,500
BC3220	DEVELOP REPORT AND SUBMIT FOR FINAL APPROVAL			DEVELOP REPORT AND SUBMIT FOR FINAL	1	LS	$ 6,870
BD1000	PERFORM NOISE SURVEYS AND FIELD WORK			PERFORM NOISE SURVEYS AND FIELD WOR	1	LS	$ 55,000
BD1010	DEVELOP AND PREPARE NOISE ANALYSIS			DEVELOP AND PREPARE NOISE ANALYSIS	1	LS	$ 68,740
BD1020	PERFORM CITIZEN SURVEY			PERFORM CITIZEN SURVEY	1	LS	$ 20,620
BD1030	SUBMIT FINAL ANALYSIS TO VDOT			SUBMIT FINAL ANALYSIS TO VDOT	1	LS	$ 27,500
	PUBLIC INVOLVEMENT						
C1020	PUBLIC INVOLVEMENT & AFFAIRS MEETING 2 - DESIGN PHASE			PUBLIC INVOLVEMENT & AFFAIRS MEETING	1	LS	$ 9,620
C1040	PUBLIC INFORMATION MEETING 2 CONSTRUCTION			PUBLIC INFORMATION MEETING 2 CONSTRU	1	LS	$ 5,500
C1050	PUBLIC INFORMATION MEETING 3 CONSTRUCTION			PUBLIC INFORMATION MEETING 3 CONSTRU	1	LS	$ 5,500
C1000	SUBMIT EMERGENCY CONTACT LIST			SUBMIT EMERGENCY CONTACT LIST	1	LS	$ 2,750
C1010	PUBLIC INVOLVEMENT / NOISE STUDIES & AFFAIRS MEETING 1 - DESIGN PHASE			PUBLIC INVOLVEMENT / NOISE STUDIES & A	1	LS	$ 5,500
C1030	PUBLIC INFORMATION MEETING 1 CONSTRUCTION			PUBLIC INFORMATION MEETING 1 CONSTRU	1	LS	$ 2,060
	ENVIRONMENTAL WORK						
D1188	COMPLETE SWPPP (LD-455E) CERTIFICATIONS			COMPLETE SWPPP (LD-455E) CERTIFICATIO	1	LS	$ 11,000
D1190	APPROVED SWPPP (LD-455E) (HOLD PT)			APPROVED SWPPP (LD-455E) (HOLD PT)	1	LS	$ 2,750
D1020	PROPERTY ACCESS HOLD			PROPERTY ACCESS HOLD	1	LS	
D1180	LD-445 FORMS - TO BE SUBMITTED WITH 60% PLANS			LD-445 FORMS - TO BE SUBMITTED WITH 60	1	LS	$ 11,000
D1200	LEAD AND ASBESTOS SURVEYS AND TESTING (BRIDGES)			LEAD AND ASBESTOS SURVEYS AND TESTI	1	LS	$ 11,000
D1060	T&E SPECIES COORDINATION			T&E SPECIES COORDINATION	1	LS	$ 2,750
D1184	REQUEST PERMIT COVERAGE (APPLICATION COMPLETE - HOLD PT)			REQUEST PERMIT COVERAGE (APPLICATIO	1	LS	
D1186	PERMIT APPROVALS			PERMIT APPROVALS	1	LS	$ 41,250
	RIGHT-OF-WAY						
E1000	ACQUISITION AND RELOCATION PLAN			ACQUISITION AND RELOCATION PLAN	1	LS	$ 6,870
E1020	VDOT R/A ACQUISITION AND RELOCATION PLAN						

Schedule of Values

Act ID	Description	Fuel (F) / Price (P) Adjust.	Item Number	Material Description	Quantity	Unit	Scheduled Value
E1040	VDOT ISSUE NTC-ROWA (HOLD POINT)						
900	2nd Submission Plans Submitted						
1000	Complete 60 Yr Title Exam			Complete 60 Yr Title Exam	1	LS	$ 13,750
1010	Complete Appraisal						$ 34,370
1020	Review Appraiser Completes Review						$ 2,750
1030	Submit Appraisal to VDOT (RUMS)						
1040	VDOT Approves Appraisal						
1050	Prepare Offer Package			Prepare Offer Package	1	LS	$ 6,870
1060	Negotiator Make Initial Contact / Present Offer			Negotiator Make Initial Contact / Present Of	1	LS	$ 1,380
1070	Negotiations			Negotiations	1	LS	$ 6,870
1075	Send Notice of Filing Certif. to Property Owner						
1080	Prepare / Finalize Plat			Send Notice of Filing Certif. to Property Owr	1	LS	$ 1,380
1085	Prepare Certificate Package						
1090	Submit Certificate Package to VDOT						
1100	VDOT Reviews / Issues Certificate & Check						
1110	Design Builder Files Certificate @ Court house						
1120	Obtain Signed Option						
1130	Option / Settlement Docs Submitted to VDOT						
1140	VDOT Reviews Settlement Documents						
1150	Settlement Documents to Settlement Attorney						
1160	Obtain release of Liens						
1170	Notice to VDOT that all Liens Are Cleared						
1180	VDOT Issues Settlement Check						
1190	Settlement Atty. Holds Settlement / Records			Settlement Atty. Holds Settlement / Records	1	LS	$ 1,380
1200	Property Access for Construction - If By Option - VDOT HOLD POINT						
1210	Property Access for Constr. - If By Certificate - VDOT HOLD POINT						
	UTILITY RELOCATIONS						
FA1000	HOLD UFI MEETING WITH VIRGINIA POWER						
FA1020	DOMINION POWER SUBMITS PE ESTIMATE						
FA1040	REVIEW/APPROVE PE ESTIMATE						
FA1060	DOMINION POWER COMPLETES UTILITY DESIGN						
FA1080	APPROVE UTILITY DESIGN						
FA1100	EASEMENT INSTRUMENTS ACQUIRED						
FA1120	DOMINION POWER RAISE OVERHEAD LINES AT NOISE WALL X-INGS			RELOCATE POWER POLES	2	EA	$ 129,490
FA1120	DOMINION POWER RAISE O/H LINES AT NOISE WALL-AUX			RELOCATE POWER POLES	2	EA	$ 129,490
FB1000	HOLD UFI MEETING WITH VERIZON						
FB1020	VERIZON SUBMITS PE ESTIMATE						
FB1040	REVIEW/APPROVE PE ESTIMATE						
FB1060	VERIZON COMPLETES UTILITY DESIGN			VERIZON COMPLETES UTILITY DESIGN	1	LS	$ 2,560

Schedule of Values

Act ID	Description	Fuel (F) / Price (P) Adjust.	Item Number	Material Description	Quantity	Unit	Scheduled Value
FB1080	APPROVE UTILITY DESIGN						
FB1100	EASEMENT INSTRUMENTS ACQUIRED						
FB1120	VERIZON UG RELOCATION			VERIZON UG RELOCATION	1	LS	$ 12,820
FB1120	VERIZON UG RELOCATION			CENTURY LINK WORK	1	LS	$ 322,820
FC1000	HOLD UFI MEETING WITH VA AMERICAN WATER						
FC1020	VA AMERICAN WATER SUBMITS PE ESTIMATE						
FC1040	REVIEW/APPROVE PE ESTIMATE						
FC1060	VAWC COMPLETES UTILITY DESIGN						
FC1080	APPROVE UTILITY DESIGN						
FC1100	EASEMENT INSTRUMENTS ACQUIRED						
FC1120	VA AMERICAN EXTENDS CASING			VA AMERICAN EXTENDS CASING	1	LS	$ 25,640
FD1010	HOLD UFI MEETING WITH WASHINGTON GAS						
FD1030	WASH GAS SUBMITS PE ESTIMATE						
FD1050	REVIEW/APPROVE PE ESTIMATE						
FD1070	WASHINGTON GAS COMPLETES UTILITY DESIGN			WASHINGTON GAS COMPLETES UTILITY	1	LS	$ 6,410
FD1090	APPROVE UTILITY DESIGN						
FD1110	EASEMENT INSTRUMENTS ACQUIRED						
FD1120	WASHINGTON UG RELOCATION			WASHINGTON UG RELOCATION	1	LS	$ 28,200
	PRE-CONSTRUCTION SUBMITTALS						
G1000	QA/QC PREPARATORY MEETING(S)						$ -
G1020	MOBILIZATION FOR CONSTRUCTION						$ -
G1020	MOBILIZATION FOR CONSTRUCTION-AUX			MOBILIZE FOR CONSTRUCTION	1	LS	$ 2,712,110
G1040	INITIAL SURVEY CONTROLS						$ -
G1060	INITIAL MOT DEVICES						$ -
							$ -
H1A1010	SANGER AVE STRUCTURAL STEEL SHOP DWGS						$ -
H1A1020	HOV RAMP STRUCTURAL STEEL SHOP DWGS						$ -
H1A1000	PROCURE STRUCTURAL STEEL FABRICATOR						$ -
H1A1030	RETAINING WALL / NOISE WALL SHOP DWGS						$ -
H1A1040	REVIEW AND APPROVE RET/NOISE SHOP DWGS						$ -
H1A1050	FABRICATE RETAINING WALL / NOISE POSTS						$ -
H1A1012	REVIEW and APPROVE SANGER AVE STEEL SHOP DWGS						$ -
H1A1022	REVIEW and APPROVE HOV RAMP BRIDGE STEEL SHOP DWGS						$ -
H1A1014	FABRICATE SANGER AVE STRUCT STEEL						$ -
H1A1024	FABRICATE HOV RAMP STRUCTURAL STEEL						$ -
H1A1060	FABRICATE RETAINING WALL PANELS						$ -
H1A1070	PROCURE OVERHEAD SIGN SUBCONTRACTOR						$ -
H1A1080	OVERHEAD SIGN SHOP DRAWINGS						$ -

Schedule of Values

Act ID	Description	Fuel (F) / Price (P) Adjust.	Item Number	Material Description	Quantity	Unit	Scheduled Value
H1A1090	REVIEW AND APPROVE OVERHEAD SIGN SHOP DWGS						$ -
H1A1100	FABRICATE OVERHEAD SIGN COMPONENTS						$ -
	I-395 NORTHBOUND WORK						
H1B1000	MILL AND PAVE INSIDE SHOULDER-NIGHT-TIME CONSTRUCTION	F	24410	Demolition of Pavement (Full Depth)	1600	SY	$ 10,320
H1B1000	MILL AND PAVE INSIDE SHOULDER-NIGHT-TIME CONSTRUCTION	F / P	10642	Asphalt Base MB-25.0	430	TONS	$ 41,760
H1B1010	INSTALL TEMPORARY PAVEMENT MARKINGS			Temporary Pavement Mkgs	64469	LF	$ 37,110
H1B1020	SHIFT TRAFFIC TO TEMPORARY CONFIGURATION						$ -
H1B1030	COMPLETE INSIDE WIDENING PHASE I						$ -
H1B2000	SET TRAFFIC BARRIER SERVICE			Initial Set Traffic Barrier	11150	LF	$ 281,080
H1B2005	CLEAR and GRUB OUTSIDE WIDENING			Clear and Grub	3	ACRE	$ 27,580
H1B2010	SAWCUT PAVEMENT OUTSIDE WIDENING			Sawcut Pavement	3785	LF	$ 4,270
H1B2010	SAWCUT PAVEMENT OUTSIDE WIDENING	F	24410	Demolition of Pavement	10800	SY	$ 115,780
H1B2020	CONSTRUCT ACCESS ROADS FOR RETAINING WALLS	F	00120	Grade and Prep (NB 309+00 - 325+50)	3075	LF	$ 67,460
H1B2020	CONSTRUCT ACCESS ROADS FOR RETAINING WALLS			Combo Wall Grade & Prep (GM Wall D2)	350	LF	$ 10,920
H1B2020	CONSTRUCT ACCESS ROADS FOR RETAINING WALLS			Combo Wall Grade & Prep (GM Wall E)	275	LF	$ 10,920
H1B2020	CONSTRUCT ACCESS ROADS FOR RETAINING WALLS	F	00120	Excavate & Prep Grade (RW3 for D2 & E)	1914.1	CY	$ 32,300
H1B2030	INITIAL ROUGH GRADE/FILLS	F	00120	Regular Excavation - Demo Items	250	CY	$ 47,890
H1B2030	INITIAL ROUGH GRADE/FILLS	F	00120	Regular Excavation Cut to Fill	3867	CY	$ 85,410
H1B2030	INITIAL ROUGH GRADE/FILLS	F	00120	Regular Excavation Cut to Excess	21549	CY	$ 456,400
H1B2040	STORM DRAINAGE SANGER AVE to SEM EXIT RAMP			Storm RCP 15" CL3	77	LF	$ 5,340
H1B2040	STORM DRAINAGE SANGER AVE to SEM EXIT RAMP			Storm RCP 30" CL3	750	LF	$ 69,910
H1B2040	STORM DRAINAGE SANGER AVE to SEM EXIT RAMP			Storm RCP 36"' CL3	786	LF	$ 96,920
H1B2040	STORM DRAINAGE SANGER AVE to SEM EXIT RAMP			Storm Structures by Type	11	EA	$ 81,180
H1B2040	STORM DRAINAGE SANGER AVE to SEM EXIT RAMP			Punch Out * Inverts	8	EA	$ 3,060
H1B2045	SANGER AVE STORM CROSSINGS			Storm RCP 42" CL3	172	LF	$ 27,370
H1B2045	SANGER AVE STORM CROSSINGS			Storm RCP 54" CL3	72	LF	$ 15,290
H1B2045	SANGER AVE STORM CROSSINGS			Storm Structures by Type	6	EA	$ 44,280
H1B2045	SANGER AVE STORM CROSSINGS			Punch Out * Inverts	6	EA	$ 2,300
H1B2047	INSTALL SHARED USE VDOT DUCTBACKS IN NEW SHOULDER AREA			Electrical Lighting	1	LS	$ 384,610
H1B2047	INSTALL SHARED USE VDOT DUCTBACKS IN NEW SHOULDER AREA			Elec TMS-ITS	7	EA	$ 64,100
H1B2047	INSTALL SHARED USE VDOT DUCTBACKS IN NEW SHOULDER AREA			Bridge Conduit System (UB & Parapet)	1	LS	$ 12,510
H1B2047	INSTALL SHARED USE VDOT DUCTBACKS IN NEW SHOULDER AREA			Utility Relocates: Other (Dominion)	1	LS	$ 129,490
H1B2047	INSTALL SHARED USE VDOT DUCTBACKS IN NEW SHOULDER AREA			Utility Relocates: Other (Fiberlight)	1	LS	$ 259,490
H1B2048	LIGHTING FOUNDATIONS AND CONDUITS			Electrical Lighting	1	LS	$ 1,251,000
H1B2050	INSTALL OVERHEAD SIGNS AND LIGHTING FIXTURES			Install Overhead Signs	1	LS	$ 1,210,000
H1B2050	INSTALL OVERHEAD SIGNS AND LIGHTING FIXTURES			Install Lights	1	LS	$ 256,410
H1B2057	STORM DRAINAGE FOLLOWING RET WALLS			Storm RCP 15" CL3	950	LF	$ 65,900
H1B2057	STORM DRAINAGE FOLLOWING RET WALLS			Storm RCP 18" CL3	530	LF	$ 37,350
H1B2057	STORM DRAINAGE FOLLOWING RET WALLS			Storm RCP 18" CL3	1	LS	$ 5,560

Schedule of Values

Act ID	Description	Fuel (F) / Price (P) Adjust.	Item Number	Material Description	Quantity	Unit	Scheduled Value
H1B2057	STORM DRAINAGE FOLLOWING RET WALLS			Storm RCP 24" CL3	525	LF	$ 45,320
H1B2057	STORM DRAINAGE FOLLOWING RET WALLS			Storm RCP 30" CL3	250	LF	$ 23,300
H1B2057	STORM DRAINAGE FOLLOWING RET WALLS			Storm Structures by Type	11	EA	$ 81,180
H1B2057	STORM DRAINAGE FOLLOWING RET WALLS			Punch Out * Inverts	11	EA	$ 4,210
H1B2060	COMPLETE FILLS AND FINE GRADE	F	00120	Regular Excavation	2000	CY	$ 130,950
H1B2060	COMPLETE FILLS AND FINE GRADE	F	00120	Regular Excavation-Slope/Site Grading	1	LS	$ 219,170
H1B2060	COMPLETE FILLS AND FINE GRADE			Traffic Barrier Service Concrete	23225	LF	$ 92,920
H1B2070	AGGREGATE BASE and UNDERDRAIN			Underdrain UD-4	3910	LF	$ 51,610
H1B2070	AGGREGATE BASE and UNDERDRAIN	F	10128	Base Aggregate #21-B	22426	TN	$ 267,010
H1B2080	BASE and INTERMEDIATE ASPHALT	F/P	10642	Asphalt Base BM-25.0	12805	TN	$ 940,000
H1B2080	BASE and INTERMEDIATE ASPHALT	F/P	10639	Intermediate Pave IM-19.0D	2328	TN	$ 248,820
H1B2090	MEDIAN BARRIER AT WALLS			Median Barrier MB-7E	775	LF	$ 80,280
H1B2100	TEMP PAVEMENT MKGS			Temporary Pavement Mkgs	64469	LF	$ 37,110
H1B2110	SWITCH TRAFFIC TO NEW OUTSIDE WIDENING						$ -
H1B2120	LANSCAPING AND FINAL SEED			Landscape Permanent	1	LS	$ 64,740
H1B2120	LANSCAPING AND FINAL SEED			Perm Seed	19000	SY	$ 12,050
H1B2A1000	DRILL, SET, AND POUR POSTS			GM Wall D2 Adj RW-3	1	LS	$ 201,340
H1B2A1000	DRILL, SET, AND POUR POSTS			GM Wall E Adj RW-3	1	LS	$ 161,540
H1B2A1010	INSTALL CONCRETE LAGGING PANELS	F	65013	Materials and F/P/S RW-3	1	LS	$ 320,510
H1B2A1010	INSTALL CONCRETE LAGGING PANELS			PAVED DITCH PG-5	1066	SY	$ 78,650
H1B2A1020	BACKFILL LAGGING	F	00120	Grade & Backfill - Wall D2	1	LS	$ 8,300
H1B2A1020	BACKFILL LAGGING	F	00120	Grade & Backfill - Wall E	1	LS	$ 8,300
H1B2A1020	BACKFILL LAGGING	F	00120	Backfill RW-3 & Prep Ditch	1	LS	$ 13,330
H1B2A1020	BACKFILL LAGGING			Staining RW-3 Face	1	LS	$ 262,820
H1B2A1030	SET LIGHTWEIGHT NOISE PANELS			Install Panels GM Wall D2 Adj RW-3	1	LS	$ 224,200
H1B2A1030	SET LIGHTWEIGHT NOISE PANELS			Install Panels GM Wall E Adj RW-3	1	LS	$ 175,830
H1B2A1030	SET LIGHTWEIGHT NOISE PANELS			FH Wall Assemblies	1	LS	$ 6,960
H1B2A1030	SET LIGHTWEIGHT NOISE PANELS			Access Doors at Soundwalls	1	LS	$ 11,230
H1B2A1030	SET LIGHTWEIGHT NOISE PANELS			Stain Both Sides SW	1	LS	$ 355,000
H1B3000	SET MOT for PHASE III INSIDE PERM CONTRUCTION			Temporary Pavement Mkgs	64469	LF	$ 37,110
H1B3010	DEMOLISH and REMOVE OLD MEDIAN BARRIER			Demo Misc Concrete Medians	4200	SY	$ 61,450
H1B3020	ROUGH GRADE for BRIDGE CONSTRUCTION	F	00120	Excavate for Footing / Abutment	1	EA	$ 30,460
H1B3030	MSE WALL LEVELING PADS			HOV MSE Level Pad	1610	LF	$ 51,170
H1B3040	SET MSE PANELS AND BACKFILL			Erect MSE Wall Panels	24000	SF	$ 600,000
H1B3040	SET MSE PANELS AND BACKFILL			MSE Wall Backfill	12000	CY	$ 484,610
H1B3045	STORM SEWER WORK PHASE III			Storm RCP 15" CL3	105	LF	$ 7,280
H1B3045	STORM SEWER WORK PHASE III			Storm RCP 18" CL3	770	LF	$ 54,250
H1B3045	STORM SEWER WORK PHASE III			Storm RCP 24" CL3	610	LF	$ 52,660
H1B3045	STORM SEWER WORK PHASE III			Storm RCP 30" CL3	750	LF	$ 69,900

Schedule of Values

Act ID	Description	Fuel (F) / Price (P) Adjust.	Item Number	Material Description	Quantity	Unit	Scheduled Value
H1B3045	STORM SEWER WORK PHASE III			Storm RCP 36" CL3	550	LF	$ 67,820
H1B3045	STORM SEWER WORK PHASE III			Storm RCP 36" Slow Crossing	1	LS	$ 5,560
H1B3045	STORM SEWER WORK PHASE III			Storm Structures by Type	7	EA	$ 51,660
H1B3045	STORM SEWER WORK PHASE III			Punch Out * Inverts	4	EA	$ 1,540
H1B3050	ROADWAY WORK AND RAMP APPROACH	F	00120	Regular Excavation	5498	CY	$ 148,430
H1B3050	ROADWAY WORK AND RAMP APPROACH			Underdrain UD-4	3500	CY	$ 39,920
H1B3050	ROADWAY WORK AND RAMP APPROACH	F	10128	Aggregate Base #21-B	2833	TON	$ 22,230
H1B3050	ROADWAY WORK AND RAMP APPROACH	F,P	10612	Base Asphalt BM-25.0	4269	TON	$ 384,610
H1B3050	ROADWAY WORK AND RAMP APPROACH	F,P	10610	Intermediate Asphalt	776	TON	$ 82,940
H1B3050	ROADWAY WORK AND RAMP APPROACH	F,P	10609	Surface Asphalt 12.5E	776	TON	$ 111,330
H1B3060	COMPLETE MEDIAN AND BARRIERS UNDER BRIDGE B-687			Median Barrier TL-5 and CAP	7586	LF	$ 825,000
H1B3060	COMPLETE MEDIAN AND BARRIERS UNDER BRIDGE B-687			Median Barrier MB-13 / MB 7F	940	LF	$ 86,170
H1B3065	REPLACE GUARDRAILS -I-395 NB			Median Barrier	4390	LF	$ 300,720
H1B3070	FINAL STRIPE BRIDGE B-687 and APPROACH			Pavement Markings	14000	LF	$ 69,410
H1B3080	REMOVE MOT DEVICES-PUT LANES IN FINAL CONFIG						$ -
H1B3090	FINAL MILL AND OVERLAY I-395 NBL	F/P	10609	Surface Asphalt 12.5E	8284	TON	$ 845,000
H1B3090	FINAL MILL AND OVERLAY I-395 NBL			Pavement Markings	42000	LF	$ 208,210
HIB2B1000	DRILL SET and POUR POSTS			GM NB Sta . 309+00 to End Sem. Wall #4	1	LS	$ 850,000
HIB2B1010	SET CONCRETE NOISE PANELS			Install GM SW #4 Panels	1	LS	$ 900,000
	SANGER AVE BRIDGE B-685						$ -
H1C1000	SET MB11A BARRIER SERVICE			SET MB-11A BOLT DOWN BARRIER	100	LF	$ 5,260
H1C1010	SET SANGER AVENUE MOT			MOT	1	LS	$ 3,210
H1C1030	EXCAVATE ABUTMENTS			STRUCTURE EXCAVATION	500	CY	$ 21,850
H1C1040	ABUTMENT PILES			BRIDGE PILE HP 12X53	1,000	LF	$ 59,190
H1C1050	FORM, POUR, STRIP ABUTMENT FTGS	F	65013	CLASS A3 CONCRETE	115	CY	$ 66,560
H1C1060	FORM, POUR, STRIP ABUTMENT WALLS	F	65013	CLASS A3 CONCRETE	115	CY	$ 66,560
H1C1015	SHORING FOR SUBSTRUCTURE			TEMP SHEET PILING	400	SF	$ 20,510
H1C2009	DEMO PARAPET AND DECK OVERHANG			DEMOLITION EX. PARAPET	1	LS	$ 24,550
H1C2008	SET STRUCTURAL STEEL SANGER AVE WIDENING			STRUCTURAL STEEL	1	LS	$ 135,950
H1C2010	SET DECK PANS AND FORM OVERHANGS			FORM OVERHAND / SIP	1,332	SF	$ 27,630
H1C2020	PLACE DECK REINFORCING STEEL			REINFORCING STEEL : STAINLESS	20,000	LB	$ 30,280
H1C2030	POUR AND CURE BRIDGE DECK CONCRETE			CLASS A4 CONCRETE	36	CY	$ 34,290
H1C2040	FORM, REBAR, POUR PARAPET			PARAPETS	100	LF	$ 18,120
H1C2050	INSTALL BRIDGE MOUNTED SOUNDWALL POSTS			ERECT NOISE WALL POSTS	8	EA	$ 52,260
H1C2035	FORM, REBAR, POUR APPROACH SLABES	F	65013	CLASS A3 CONCRETE	10	CY	$ 6,410
H1C2004	LEAD PAINT REMOVAL NEEDED FOR STEEL ERECTION			CLEAN and ABATE STR STEEL	1	LS	$ 258,970
H1C2006	PERFORM SANGER BRIDGE RETROFITS AS REQUIRED			REMEDIAL BRIDGE REPAIRS	1	LS	$ 48,520
H1C2060	SET NOISEWALL PANELS			ERECT NOISE WALL PANELS	2,250	SF	$ 175,670
H1C2070	BRIDGE LOAD RATING - NB SANGER AVE (HOLD POINT)			BRIDGE FINISHES	1	LS	$ 22,440

Schedule of Values

Act ID	Description	Fuel (F) / Price (P) Adjust.	Item Number	Material Description	Quantity	Unit	Scheduled Value
H2C3000	SET MOT FOR SOUTHBOUND I-395			SET MB-11A BOLT DOWN BARRIER	100	LF	$ 5,260
H2C3085	REMOVE PARAPET AND DECK PORTION			DEMOLITION EX. PARAPET	1	LS	$ 12,090
H2C3020	EXCAVATE ABUTMENTS	F	00120	STRUCTURE EXCAVATION	500	CY	$ 21,850
H2C3030	ABUTMENT PILES			BRIDGE PILE HP 12X53	1,000	LF	$ 59,190
H2C3040	FORM, POUR, STRIP ABUTMENT FTGS	F	65013	CLASS A3 CONCRETE	57	CY	$ 32,780
H2C3060	FORM, POUR, STRIP ABUTMENT WALLS	F	65013	CLASS A3 CONCRETE	57	CY	$ 32,780
H2C3070	START SANGER SOUTHBOUND SUPERSTRUCTURE						$ -
H2C3080	SET STRUCTURAL STEEL SANGER AVE WIDENING			STRUCTURAL STEEL	1	LS	$ 66,960
H2C3090	SET DECK PANS AND FORM OVERHANGS			FORM OVERHAND / SIP	1,332	SF	$ 13,610
H2C3100	PLACE DECK REINFORCING STEEL			REINFORCING STEEL : STAINLESS	10,600	LB	$ 14,910
H2C3110	POUR AND CURE BRIDGE DECK CONCRETE			CLASS A4 CONCRETE	20	CY	$ 16,890
H2C3120	FORM, REBAR, POUR PARAPET			PARAPETS	100	LF	$ 18,120
H2C3130	INSTALL BRIDGE MOUNTED SOUNDWALL POSTS			ERECT NOISE WALL POSTS	8	EA	$ 52,260
H2C3140	FORM, REBAR, POUR APPROACH SLABS	F	65013	CLASS A3 CONCRETE	10	CY	$ 6,410
H2C3015	SHORING FOR EXCAVATION			TEMP SHEET PILING	200	SF	$ 10,260
H2C3150	SET NOISE WALL PANELS			ERECT NOISE WALL PANELS	2,250	SF	$ 175,670
H2C3160	COMPLETE SANGER AVE BRIDGE						$ -
H2C3155	BRIDGE LOAD RATING - SOUTHBOUND SANGER AVE BRIDGE (HOLD POINT)			BRIDGE FINISHES	1	LS	$ 22,440
	HOV RAMP BRIDGE B-687						
H2D1A1000	DRIVE PILES ABUTMENT A			DRIVE PILE FOUNDATIONS	1093.3333	LF	$ 57,850
H2D1A1000	DRIVE PILES ABUTMENT A	F		STRUCTURE EXCAVATION	500	CY	$ 61,810
H2D1A1010	MSE WALL COMPLETION at ABUTMENT			MSE WALL MOMENT SLAB / BARRIER	1	LS	$ 384,610
H2D1A1020	FORM, REBAR, POUR ABUTMENT SEAT	F	65013	A3 CONCRETE	222.66667	CY	$ 117,890
H2D1A1020	REINFORCING STEEL SUBSTRUCTURE			REBAR: BLACK IRON	38940	LB	$ 40,020
H2D1B1040	SET BEARINGS			ELASTOMERIC BEARINGS	4	EA	$ 2,040
H2D1B1000	DRIVE PILES FOR PIER			DRIVE PILE FOUNDATIONS	1093.3333	LF	$ 57,850
H2D1B1010	FORM, REBAR, POUR PIER FTG	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1B1010	REINFORCING STEEL SUBSTRUCTURE			REBAR: BLACK IRON	38940	LB	$ 40,020
H2D1B1020	FORM, REBAR, POUR PIER STEM COLUMNS	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1B1030	FORM. REBAR POUR PIER CAP	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1B1040	POUR SEATS/SET BEARINGS	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1B1040	SET BEARINGS			ELASTOMERIC BEARINGS	4	EA	$ 2,040
H2D1C1000	DRIVE PILES FOR PIER			DRIVE PILE FOUNDATIONS	1093.3333	LF	$ 57,850
H2D1C1010	FORM, REBAR, POUR PIER FTG	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1C1010	REINFORCING STEEL SUBSTRUCTURE			REBAR: BLACK IRON	38940	LB	$ 40,020
H2D1C1020	FORM, REBAR, POUR PIER STEM COLUMNS	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1C1030	FORM. REBAR POUR PIER CAP	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1C1040	POUR SEATS/SET BEARINGS	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1C1040	SET BEARINGS			ELASTOMERIC BEARINGS	4	EA	$ 2,040

Schedule of Values

Act ID	Description	Fuel (F) / Price (P) Adjust.	Item Number	Material Description	Quantity	Unit	Scheduled Value
H2D1D1000	DRIVE PILES FOR PIER			DRIVE PILE FOUNDATIONS	1093.3333	LF	$ 57,850
H2D1D1010	FORM, REBAR, POUR PIER FTG	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1D1010	REINFORCING STEEL SUBSTRUCTURE			REBAR: BLACK IRON	38940	LB	$ 40,020
H2D1D1020	FORM, REBAR, POUR PIER STEM COLUMNS	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1D1030	FORM. REBAR POUR PIER CAP	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1D1040	POUR SEATS/SET BEARINGS	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1D1040	SET BEARINGS			ELASTOMERIC BEARINGS	4	EA	$ 2,040
H2D1E1008	DRIVE PILES FOR PIER			DRIVE PILE FOUNDATIONS	1093.3333	LF	$ 57,850
H2D1E1010	FORM, REBAR, POUR PIER FTG	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1E1010	REINFORCING STEEL SUBSTRUCTURE			REBAR: BLACK IRON	38940	LB	$ 40,020
H2D1E1020	FORM, REBAR, POUR PIER STEM COLUMNS	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1E1030	FORM. REBAR POUR PIER CAP	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1E1040	POUR SEATS/SET BEARINGS	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1E1040	SET BEARINGS			ELASTOMERIC BEARINGS	4	EA	$ 2,040
H2D1E1002	DEMO GUARDRAIL / MEDIAN PREP AREA FOR BRIDGE	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1F1000	DRIVE PILES FOR PIER			DRIVE PILE FOUNDATIONS	1093.3333	LF	$ 57,850
H2D1F1010	FORM, REBAR, POUR PIER FTG	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1F1010	REINFORCING STEEL SUBSTRUCTURE			REBAR: BLACK IRON	38940	LB	$ 40,020
H2D1F1020	FORM, REBAR, POUR PIER STEM COLUMNS	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1F1030	FORM. REBAR POUR PIER CAP	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1F1040	POUR SEATS/SET BEARINGS	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1F1040	SET BEARINGS			ELASTOMERIC BEARINGS	4	EA	$ 2,040
H2D1G1000	DRIVE PILES FOR PIER			DRIVE PILE FOUNDATIONS	1093.3333	LF	$ 57,850
H2D1G1010	FORM, REBAR, POUR PIER FTG	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1G1010	REINFORCING STEEL SUBSTRUCTURE			REBAR: BLACK IRON	38940	LB	$ 40,020
H2D1G1020	FORM, REBAR, POUR PIER STEM COLUMNS	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1G1030	FORM. REBAR POUR PIER CAP	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1G1040	POUR SEATS/SET BEARINGS	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1G1040	SET BEARINGS			ELASTOMERIC BEARINGS	4	EA	$ 2,040
H2D1H1000	DRIVE PILES FOR PIER			DRIVE PILE FOUNDATIONS	1093.3333	LF	$ 57,850
H2D1H1010	FORM, REBAR, POUR PIER FTG	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1H1010	REINFORCING STEEL SUBSTRUCTURE			REBAR: BLACK IRON	38940	LB	$ 40,020
H2D1H1020	FORM, REBAR, POUR PIER STEM COLUMNS	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1H1030	FORM. REBAR POUR PIER CAP	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1H1040	POUR SEATS/SET BEARINGS	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1H1040	SET BEARINGS			ELASTOMERIC BEARINGS	4	EA	$ 2,040
H2D1I1000	DRIVE PILES FOR PIER			DRIVE PILE FOUNDATIONS	1093.3333	LF	$ 57,850
H2D1I1010	FORM, REBAR, POUR PIER FTG	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1I1010	REINFORCING STEEL SUBSTRUCTURE			REBAR: BLACK IRON	38940	LB	$ 40,020

Schedule of Values

Act ID	Description	Fuel (F) / Price (P) Adjust.	Item Number	Material Description	Quantity	Unit	Scheduled Value
H2D1I1020	FORM, REBAR, POUR PIER STEM COLUMNS	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1I1030	FORM. REBAR POUR PIER CAP	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1I1040	POUR SEATS/SET BEARINGS	F	65013	A3 CONCRETE	62.470588	CY	$ 31,210
H2D1I1040	SET BEARINGS			ELASTOMERIC BEARINGS	4	EA	$ 2,040
H2D2000	B-687 PARAPETS and LIGHT BLISTERS	F	65013	A3 CONCRETE	1830	LF	$ 194,870
H2D2000	B-687 PARAPETS and LIGHT BLISTERS			BRIDGE DECK GROOVING	3420	SY	$ 13,830
H2D2010	INSTALL LIGHT FIXTURES / SIGNAGE			LIGHTING & ELECTRICAL	1	LS	$ 97,110
H2D2020	INSTALL STANDPIPE / FIRE PROTECTION SYSTEM			DECK DRAINAGE SYSTEM	LS	1	$ 50,160
H2D2020	INSTALL STANDPIPE / FIRE PROTECTION SYSTEM			DRY STANDPIPES	3	EA	$ 54,150
H2D2030	BRIDGE LOAD RATING - HOV RAMP BRIDGE B-687 (HOLD POINT)	F	65013	CLASS A3 CONCRETE APPROACH SLAB	300	CY	$ 20,380
H2D2040	COMPLETE BRIDGE B-687- READY to OPEN TO TRAFFIC						$ -
HDD2A1000	SET STRUCTURAL STEEL SPANS a,b,c			STRUCTURAL STEEL	268380	LB	$ 300,000
HDD2A1010	FORM OVERHANG SET SCREED RAIL	F	65014	A4 CONCRETE	61.25	CY	$ 49,670
HDD2A1020	INSTALL SIP DECK FORMS	F	65014	A4 CONCRETE	61.25	CY	$ 49,670
HDD2A1030	INSTALL REINFORCING STEEL / BULKHEADS			REBAR: STAINLESS STEEL	56350	LB	$ 128,200
HDD2A1030	INSTALL REINFORCING STEEL / BULKHEADS			TOOTH EXPANSION JOINT	1	LS	$ 317,410
HDD2A1040	TEST SCREED AND PREP FOR POUR	F	65014	A4 CONCRETE	61.25	CY	$ 49,670
HDD2A1050	POUR BRIDGE DECKS AND CURE	F	65014	A4 CONCRETE	61.25	CY	$ 49,670
HDD2B1000	SET STRUCTURAL STEEL SPANS d,e,f			STRUCTURAL STEEL	268380	LB	$ 419,230
HDD2B1020	FORM OVERHANG SET SCREED RAIL	F	65014	A4 CONCRETE	61.25	CY	$ 49,670
HDD2B1030	INSTALL SIP DECK FORMS	F	65014	A4 CONCRETE	61.25	CY	$ 49,670
HDD2B1040	INSTALL REINFORCING STEEL / BULKHEADS			REBAR: STAINLESS STEEL	56350	LB	$ 196,980
HDD2B1050	TEST SCREED AND PREP FOR POUR	F	65014	A4 CONCRETE	61.25	CY	$ 49,670
HDD2B1060	POUR BRIDGE DECKS AND CURE	F	65014	A4 CONCRETE	61.25	CY	$ 49,670
HDD2C1000	SET STRUCTURAL STEEL SPAN g OVER ROTARY			STRUCTURAL STEEL	268380	LB	$ 419,230
HDD2C1010	FORM OVERHANG SET SCREED RAIL	F	65014	A4 CONCRETE	61.25	CY	$ 49,670
HDD2C1020	INSTALL SIP DECK FORMS	F	65014	A4 CONCRETE	61.25	CY	$ 49,670
HDD2C1030	INSTALL REINFORCING STEEL / BULKHEADS			REBAR: STAINLESS STEEL	56350	LB	$ 196,980
HDD2C1040	TEST SCREED AND PREP FOR POUR	F	65014	A4 CONCRETE	61.25	CY	$ 49,670
HDD2C1050	POUR BRIDGE DECKS AND CURE	F	65014	A4 CONCRETE	61.25	CY	$ 49,670
HDD2D1000	SET STRUCTURAL STEEL SPAN h AND TIE IN TO SEMINARY			STRUCTURAL STEEL	268380	LB	$ 419,230
HDD2D1010	FORM OVERHANG SET SCREED RAIL	F	65014	A4 CONCRETE	61.25	CY	$ 49,670
HDD2D1020	INSTALL SIP DECK FORMS	F	65014	A4 CONCRETE	61.25	CY	$ 49,670
HDD2D1030	INSTALL REINFORCING STEEL / BULKHEADS			REBAR: STAINLESS STEEL	56350	LB	$ 196,980
HDD2D1040	TEST SCREED AND PREP FOR POUR	F	65014	A4 CONCRETE	61.25	CY	$ 49,670
HDD2D1050	POUR BRIDGE DECKS AND CURE	F	65014	A4 CONCRETE	61.25	CY	$ 49,670
	SEMINARY ROAD BRIDGE B-684						
H1E1010	Install Temporary Crossings for Pedestrian Realignment			TY E MARKING 6"	800	LF	$ 4,100
H2D1I1040	Open Temporary Pedestrian Movement			TY E MARKING 6"	50	LF	$ 260

Schedule of Values

Act ID	Description	Fuel (F) / Price (P) Adjust.	Item Number	Material Description	Quantity	Unit	Scheduled Value
H1E1030	Demo of North Seminary Road Bridge Mounted Sidewalk			DEMO DECK PICK SECTIONS	1,000	SF	$ 52,740
H1E1040	Install Temporary MOT for Bridge Deck Demo			TEMPORARY MOT	1	LS	$ 4,270
H1E1040	Install Temporary MOT for Bridge Deck Demo			MB-11A TRAFFIC BARRIER	1,400	LF	$ 84,610
H1E1050	Install Debris Shield for Bridge Deck Demo			LAGGING UNDER FOR SHIELD	30,000	SF	$ 67,240
H1E1070	Remove Bridge Lightings, Deck Railing, and Parapet			REMOVE DECK OVERHANGS	1,040	LF	$ 200,280
H1E1080	Demolish Bridge Deck			DEMO DECK PICK SECTIONS	11,333	SF	$ 97,910
H1E1090	Remove and Install Replacement Laminated Bearings			ELASTOMERIC BEARING	20	EA	$ 102,720
H1E1100	Remediate and / or Remove Bridge Joints			MODS/REPAIRS	1	LS	$ 20,390
H1E1100	Remediate and / or Remove Bridge Joints			CONC. REPAIRS / PATCHING	1	LS	$ 27,200
H1E1120	Install Deck Pans			SIP DECK FORMS	11,960	GSF	$ 56,900
H1E1145	Install Deck Reinforcing			REBAR: STAINLESS STEEL	90,620	LB	$ 316,540
H1E1140	Form Deck Overhang Edge and HOV Deck Joint			FORM DECK OVERHANGS	1,560	LF	$ 99,330
H1E1140	Form Deck Bulkheads			FORM DECK BULKHEADS	444	LF	$ 29,730
H1E1160	Pour Bridge Deck Concrete			A4 CONCRETE	342	CY	$ 82,890
H1E1170	Cure Deck			CURING COMPOUND	12,833	SF	$ 5,730
H1E1160	Strip OH / Superstructure			STRIP OH / SUPERSTRUCTURE	1	LS	$ 72,080
H1E1160	Strip OH / Superstructure			STRIP OH / SUPERSTRUCTURE	1	LS	$ 72,080
H1E1160	Strip OH / Superstructure			STRIP OH / SUPERSTRUCTURE	1	LS	$ 72,080
H1E1180	Cast Bridge Deck Parapet, Light Blisters, Sign Pole Bases	F	65013	A3 CONCRETE	521	LF	$ 32,720
H1E1190	Install Lighting, Railing, and Fence			PEDESTRIAN FENCE	521	LF	$ 30,360
H1E1175	APPROACH SLABS	F	65014	A4 CONCRETE	37	CY	$ 18,340
H1E1200	SEMINARY BRIDGE PHASE I COMPLETE						$ -
H1E1025	Remove Lead from Bridge Beams for Retrofitting			ABATEMENT	1	LS	$ 700,000
H1E1195	BRIDGE LOAD RATING - SEMINARY BRIDGE PHASE 1 - HOLD POINT						$ -
H1E2000	Adjust MOT For Phase 2			TEMPORARY MOT	1	LS	$ 4,270
H1E2010	Demolish Median and Bridge Deck			DEMO DECK PICK SECTIONS	11,333	SF	$ 97,930
H1E2020	Remove and Install Replacement Laminated Bearings			ELASTOMERIC BEARING	20	EA	$ 102,720
H1E2030	Remediate and / or Remove Bridge Joints			MODS/REPAIRS	1	LS	$ 20,390
H1E2040	Install Deck Pans			SIP DECK FORMS	11,960	GSF	$ 56,900
H1E2050	Install Deck Reinforcing			REBAR: STAINLESS STEEL	90,620	LB	$ 316,540
H1E2060	Setup Screed			SET UP & PREP SCREED	1	PH	$ 17,020
H1E2070	Pour Bridge Deck	F	65014	A4 CONCRETE	342	CY	$ 82,890
H1E2080	Cure Deck			CURING COMPOUND	12,833	SF	$ 5,730
H1E2090	Approach Slabs	F	65014	A4 CONCRETE	37	CY	$ 18,340
H1E2100	SEMINARY ROAD PHASE II COMPLETE						$ -
H1E2035	Form Overhangs			FORM DECK OVERHANGS	1,560	LF	$ 99,330
H1E2095	BRIDGE LOAD RATING - SEMINARY BRIDGE PHASE 2 - HOLD POINT						$ -
H1E3000	Adjust MOT For Phase 3			TEMPORARY MOT	1	LS	$ 4,270
H1E3010	Demolish Median and Bridge Deck			DEMO DECK PICK SECTIONS	11,333	SF	$ 97,930

Schedule of Values

Act ID	Description	Fuel (F) / Price (P) Adjust.	Item Number	Material Description	Quantity	Unit	Scheduled Value
H1E3020	Remove and Install Replacement Laminated Bearings			ELASTOMERIC BEARING	20	EA	$ 102,720
H1E3030	Remediate and / or Remove Bridge Joints			MODS/REPAIRS	1	LS	$ 20,390
H1E3040	Install New Bridge Deck Diaphragms			ADD 26 DIAPHRAGMS	26	EA	$ 232,550
H1E3050	Install Deck Pans			SIP DECK FORMS	11,960	GSF	$ 56,900
H1E3060	Install Deck Reinforcing			REBAR: STAINLESS STEEL	90,620	LB	$ 316,540
H1E3070	Setup Screed			SET UP & PREP SCREED	1	PH	$ 17,020
H1E3080	Cast Bridge Deck	F	65014	A4 CONCRETE	342	CY	$ 82,890
H1E3090	Cure Deck			CURING COMPOUND	12,833	SF	$ 5,730
H1E3100	Cast Bridge Deck Parapet, Light Blisters, Sign Pole Bases	F	65013	A3 CONCRETE	521	LF	$ 32,720
H1E3110	Install Signal			TRAFFIC SIGNAL	1	EA	$ 226,740
H1E3110	Install Lighting, Railing, and Fence			PEDESTRIAN FENCE	521	LF	$ 30,360
H1E3105	Approach Slabs	F	65014	A4 CONCRETE	37	CY	$ 18,340
H1E3105	Approach Slabs - Reinforcing Steel			REBAR: BLACK	85,100	LB	$ 22,940
H1E3120	SEMINARY ROAD PHASE III COMPLETE						$ -
H1E3115	Gate Arm Controls and Wiring						$ -
H1E3045	Form Deck Overhangs, Edge			FORM DECK OVERHANGS	1,560	LF	$ 99,330
H1E3117	BRIDGE LOAD RATING - SEMINARY BRIDGE PHASE 3 - HOLD POINT						$ -
H1E3a1000	Adjust MOT For Phase 3a			TEMPORARY MOT	1	LS	$ 4,270
H1E3A1010	Set Forms and Cast Median	F	65013	A3 CONCRETE	117	CY	$ 34,270
H1E3a1020	Cure			CURING COMPOUND	12,833	SF	$ 5,730
H1E3a1030	Approach Roadway Subbase #21B			MS-1 MEDIAN AND CURB	1,400	SY	$ 117,220
H1E3a1030	Approach Roadway Subbase #21B	F	10128	VA #21B	374	TN	$ 12,360
H1E3a1030	Approach Roadway Surface Asphalt	F/P	10609	SM 12.5E ASPHALT	95	TN	$ 13,360
H1E3a1030	Approach Roadway IM Asphalt	F,P	10612	IM 19.0A ASPHALT	95	TN	$ 9,950
H1E3a1030	Approach Roadway Base Asphalt	F,P	10610	BM 25.0A ASPHALT	500	TN	$ 54,040
H1E3a1040	Re-Paint Structural Steel			REPAINT	1	LS	$ 543,840
H1E3a1050	DECK GROOVING			BRIDGE DECK GROOVING	2,892	SY	$ 11,950
H1E3a1050	SEMINARY ROAD BRIDGE and ROADWAY COMPLETE						$ -
H1E3a1035	APPROACH ROADWAY GUARDRAIL/LIGHTING	F/P	10609	SURFACE ASPHLAT SM-9.5D	495	TON	$ 63,910
H1E3a1035	APPROACH ROADWAY GUARDRAIL/LIGHTING			GUARDRAIL GR -2	1	LS	$ 17,150
H1E3a1045	STANDPIPE / FIRE PROTECTION SYSTEM						$ -
	PEDESTRIAN BRIDGE B-686						
H1F0020	Install Fnd OH Sign (395 S / 395 N) E of 395 Along WB Sem Rd Rotary Level			CONC SIGN FOUNDATION	1	EA	$ 25,640
H1F0030	Install OH Sign (395 S / 395 N) E of 395 Along WB Sem Rd Rotary Level			PERMANENT OVERHEAD SIGN	1	EA	$ 192,310
H1F0030	Install OH Sign (395 S / 395 N) E of 395 Along WB Sem Rd Rotary Level			TMS-ITS SYSTEM	1	EA	$ 32,050
H1F0010	Review and Approve Ped Bridge Shop Dwgs						$ -
H1F1A1030	F/P/S to Existing Wings at Seminary	F	65013	A3 CONCRETE	165	CY	$ 158,930
H1F1A1000	Place Barrier along WB Seminary Approach to Rotary Right Side			TEMP. CONC. BARRIER	1,500	LF	$ 14,320
H1F1B1030	Install Rebar - Corrosion Resistant			REINFORCING STEEL - CRXX	85,100	LB	$ 175,690

Schedule of Values

Act ID	Description	Fuel (F) / Price (P) Adjust.	Item Number	Material Description	Quantity	Unit	Scheduled Value
H1F1B1030	Install Rebar - Black			REINFORCING STEEL - BLACK	61,920	LB	$ 63,740
H1F1A1010	Remove Ped Bridge Spanning WB Seminary above Rotary East of 395			DEMO BRIDGE	1	LS	$ 37,270
H1F1A1020	Remove / Demo Ped Bridge Along WB Seminary Prior to Rotary East of 395			DEMO BRIDGE	1	LS	$ 37,270
H1F1A1030	Excavate for Retaining Wall WB Approach to Abutment	F		STRUCTURE EXCAVATION	180	CY	$ 11,660
H1F1A1040	Install Foundation for WB Approach	F	65013	A3 CONCRETE	40	CY	$ 23,890
H1F1A1040	Install Foundation for WB Approach			PILE FOUNDATIONS	724	LF	$ 41,830
H1F1A1050	Install Retaining Wall Along WB Approach			MSE WALL	1	LS	$ 650,000
H1F1A1060	Install Bearing Pads			BEARING PAD	2	EA	$ 5,490
H1F1B1010	Drive Shoring for Excavation / Pier Construction			TEMP. SHORING	1	EA	$ 19,560
H1F1B1020	Install Foundation to Support Pier	F	65013	A3 CONCRETE	40	CY	$ 23,890
H1F1B1020	Install Foundation to Support Pier			PILE FOUNDATIONS	724	LF	$ 41,830
H1F1B1030	F/P/S Bridge Pier	F	65013	A3 CONCRETE	40	CY	$ 23,890
H1F1B1040	Install Bearing Pads			BEARING PAD	2	EA	$ 5,490
H1F1C1000	Set MOT for Construction Access			MOT	1	LS	$ 8,970
H1F1C1010	Drive Shoring for Excavation / Pier Construction			TEMP. SHORING	1	EA	$ 19,560
H1F1C1020	Install Foundation to Support Pier	F	65013	A3 CONCRETE	40	CY	$ 23,890
H1F1C1020	Install Foundation to Support Pier			PILE FOUNDATIONS	724	LF	$ 41,830
H1F1C1030	F/P/S Bridge Pier	F	65013	A3 CONCRETE	40	CY	$ 23,890
H1F1C1040	Install Bearing Pads			BEARING PAD	2	EA	$ 5,490
H2F1D1000	Set MOT for Construction Access			MOT	1	LS	$ 8,970
H2F1D1010	Drive Shoring for Excavation / Pier Construction			TEMP. SHORING	1	EA	$ 19,560
H2F1D1020	Install Foundation to Support Pier	F	65013	A3 CONCRETE	40	CY	$ 23,890
H2F1D1020	Install Foundation to Support Pier			PILE FOUNDATIONS	724	LF	$ 41,830
H2F1D1030	F/P/S Bridge Pier	F	65013	A3 CONCRETE	40	CY	$ 23,890
H2F1D1040	Install Bearing Pads			BEARING PAD	2	EA	$ 5,490
H2F1E1000	Set MOT for Construction Access			MOT	1	LS	$ 8,970
H2F1E1010	Drive Shoring for Excavation / Pier Construction			TEMP. SHORING	1	EA	$ 19,560
H2F1E1020	Install Foundation to Support Pier	F	65013	A3 CONCRETE	40	CY	$ 23,890
H2F1E1020	Install Foundation to Support Pier			PILE FOUNDATIONS	724	LF	$ 41,830
H2F1E1030	F/P/S Bridge Pier	F	65013	A3 CONCRETE	40	CY	$ 23,890
H2F1E1040	Install Bearing Pads			BEARING PAD	2	EA	$ 5,490
H2F1F1000	Set MOT for Construction Access			MOT	1	LS	$ 8,970
H2F1F1010	Drive Shoring for Excavation / Pier Construction			TEMP. SHORING	1	EA	$ 19,560
H2F1F1020	Install Foundation to Support Pier	F	65013	A3 CONCRETE	40	CY	$ 23,890
H2F1F1020	Install Foundation to Support Pier			PILE FOUNDATIONS	724	LF	$ 41,830
H2F1F1030	F/P/S Bridge Pier	F	65013	A3 CONCRETE	40	CY	$ 23,890
H2F1F1040	Install Bearing Pads			BEARING PAD	2	EA	$ 5,490
H2F1G1000	Demo/Remove Ped Bridge E of 395 along WB Seminary Rotary Level			DEMO BRIDGE	1	LS	$ 37,270
H2F1G1010	Place Barrier along WB Left Seminary West of 395 at Rotary Level			TEMP. CONC. BARRIER	1,500	LF	$ 14,320

Schedule of Values

Act ID	Description	Fuel (F) / Price (P) Adjust.	Item Number	Material Description	Quantity	Unit	Scheduled Value
H2F1G1020	Remove Ped Bridge Spanning WB Seminary above Rotary West of 395			DEMO BRIDGE	1	LS	$ 37,270
H2F1G1030	Remove / Demo Ped Bridge Along WB Seminary After Rotary West of 395			DEMO BRIDGE	1	LS	$ 37,270
H2F1G1040	Excavate for Retaining Wall EB Approach to Abutment	F	00120	STRUCTURE EXCAVATION	180	CY	$ 11,660
H2F1G1050	Install Foundation for EB Approach	F	65013	A3 CONCRETE	40	CY	$ 23,890
H2F1G1050	Install Foundation for EB Approach			PILE FOUNDATIONS	724	LF	$ 41,830
H2F1G1060	Install Retaining Wall Along EB Approach			MSE WALL	1	LS	$ 720,880
H2F1G1070	F/P/S Sidewalk			SIDEWALK	1,000	SY	$ 37,440
H2F1G1080	Install Bearing Pads			BEARING PAD	2	EA	$ 5,490
H1F2000	Set Structural Steel for PED BRIDGE Spans			STRUCTURAL STEEL	537,300	LB	$ 996,140
H1F2160	Concrete Bridge Deck on all Spans	F	65014	A4 CONCRETE	321	CY	$ 207,050
H1F2170	Complete Pedestrain Bridge Approach Work			SIDEWALKS / GUARDRAIL	500	LF	$ 160,250
H1F2180	COMPLETE / OPEN PEDESTRIAN BRIDGE B-686						$ -
H1F2010	Form Overhangs and Deck Pans			OVERHANGS, SIP FORMS	1	LS	$ 177,640
H1F2165	PEDESTRIAN RAILINGS and FENCE			FENCE	1,558	LF	$ 90,780
H1F2175	BRIDGE LOAD RATING - B-686 - HOLD POINT						$ -
	I-395 SOUTH NOISE WALLS						
H2G1000	SET MOT FOR I-395 SOUTHBOUND NOISE BARRIES			MOT	1	LS	$ 27,780
H2G1010	CLEAR AND GRUB AREA FOR NOISE BARRIERS			CLEARING and GRUBBING	1	AC	$ 10,260
H2G1020	INSTALL ACCESS ROADS AND BENCH SLOPE	F	00120	GRADE & PREP / SHORING	1	LS	$ 167,190
H2G1030	DRILL AND SET NOISE BARRIER POSTS			DRILL 42" SHAFTS / POSTS	58	EA	$ 596,150
H2G1040	BACKFILL AND GRADE	F	00120	GRADE & PREP	1,160	LF	$ 34,130
H2G1050	SET NOISE BARRIER PANELS			SET NOISE WALL PANELS	27,133	SF	$ 642,020
H2G1060	FINAL GRADE, LANDSCAPE AND SEED			PERM SEED AND MULCH	5,000	SY	$ 3,210
H2G1060	FINAL GRADE, LANDSCAPE AND SEED			LANDSCAPING	1	LS	$ 11,220
H2G2000	SET MOT FOR I-395 SOUTHBOUND NOISE BARRIES			MOT	1	LS	$ 27,780
H2G2010	CLEAR AND GRUB AREA FOR NOISE BARRIERS			CLEARING and GRUBBING	1	AC	$ 10,260
H2G2020	INSTALL ACCESS ROADS AND BENCH SLOPE	F	00120	GRADE & PREP / SHORING	1	LS	$ 38,460
H2G2030	DRILL AND SET NOISE BARRIER POSTS			DRILL 42" SHAFTS / POSTS	59	EA	$ 467,940
H2G2040	BACKFILL AND GRADE			GRADE & PREP	1,160	LF	$ 34,130
H2G2050	SET NOISE BARRIER PANELS			SET NOISE WALL PANELS	27,133	SF	$ 1,047,140
H2G2060	FINAL GRADE, LANDSCAPE AND SEED			PERM SEED AND MULCH	10,000	SY	$ 3,210
H2G2060	FINAL GRADE, LANDSCAPE AND SEED			LANDSCAPING	1	LS	$ 11,220
H2G2060	FINAL GRADE, LANDSCAPE AND SEED			GUARDRAIL GR-2 REMOVE/REPLACE	2,200	LF	$ 178,200
H2G2070	COMPLETE I-395 NOISE BARRIERS						$ -
	DUKE STREET AUXILIARY LANE PROJECT						
H311000	MILL AND PAVE INSIDE SHOULDER-NIGHT-TIME CONSTRUCTION	F	24410	DEMOLITION of PAVEMENT	500	SY	$ 3,050
H311000	MILL AND PAVE INSIDE SHOULDER-NIGHT-TIME CONSTRUCTION	F,P	10610	INTERMEDIATE ASPHALT	180	TON	$ 17,480
H311000	MILL AND PAVE INSIDE SHOULDER-NIGHT-TIME CONSTRUCTION			CONSTRUCTION SIGNAGE	2,900	SF	$ 45,950
H311010	INSTALL TEMPORARY PAVEMENT MARKINGS			TEMP PAVEMENT MKGS	17,040	LF	$ 9,080

Schedule of Values

Act ID	Description	Fuel (F) / Price (P) Adjust.	Item Number	Material Description	Quantity	Unit	Scheduled Value
H311010	INSTALL TEMPORARY PAVEMENT MARKINGS			ERADICATION	17,040	LF	$ 13,100
H311020	SHIFT TRAFFIC TO TEMPORARY CONFIGURATION				-		$ -
H321000	SET TRAFFIC BARRIER SERVICE			TRAFFIC BARRIER SVC CONCRETE	5,508	LF	$ 138,850
H321010	SAWCUT PAVEMENT OUTSIDE WIDENING			SAWCUT PAVEMENT	2,888	LF	$ 4,210
H321030	CONSTRUCT ACCESS ROADS FOR RETAINING WALLS	F	00120	RETAINING WALL EXCAVATION	3,385	LF	$ 84,020
H321020	CLEAR and GRUB OUTSIDE WIDENING			CLEARING and GRUBBING	2	AC	$ 18,390
H321020	CLEAR and GRUB OUTSIDE WIDENING			SILT FENCE / EROSION CONTROLS	1	LS	$ 85,160
H321040	INITIAL ROUGH GRADE/FILLS	F	00120	REGULAR EXCAVATION	11,250	CY	$ 126,720
H321040	INITIAL ROUGH GRADE/FILLS	F		DEMOLITION OF PAVEMENT	4,360	SY	$ 46,740
H321050	STORM DRAINAGE AUXILIARY RAMP PROJECT			STORM PIPE	892	LF	$ 120,800
H321050	STORM DRAINAGE AUXILIARY RAMP PROJECT			STORM STRUCTURE / INLETS	29	EA	$ 217,350
H321060	STORM DRAINAGE FOLLOWING RET WALLS			STORM PIPE	978	LF	$ 73,770
H321060	STORM DRAINAGE FOLLOWING RET WALLS			STORM STRUCTURE / INLETS	6	EA	$ 56,070
H321070	COMPLETE FILLS AND FINE GRADE	F	00120	REGULAR EXCAVATION	5,700	CY	$ 197,700
H321070	COMPLETE FILLS AND FINE GRADE			INSTALL SHARED USE VDOT DUCTBACK	3,800	LF	$ 135,130
H321080	AGGREGATE BASE and UNDERDRAIN	F	10128	AGGREGATE BASE #21B	25,259	TON	$ 417,450
H321080	AGGREGATE BASE and UNDERDRAIN			ST'D UNDERDRAIN UD-4	3,880	LF	$ 56,690
H321090	BASE and INTERMEDIATE ASPHALT	F / P	10642	BASE ASPHALT BM-25.0	6,892	TON	$ 621,790
H321090	BASE and INTERMEDIATE ASPHALT	P	10610	INTERMEDIATE ASPHALT IM-19	1,254	TON	$ 140,330
H321100	MEDIAN BARRIER AT WALLS			MEDIAN BARRIER MB-7D	2,840	LF	$ 320,510
H321110	TEMP PAVEMENT MKGS			TEMP PAVEMENT MKGS	17,040	LF	$ 9,080
H321110	TEMP PAVEMENT MKGS			ERADICATION	17,040	LF	$ 13,100
H321120	SWITCH TRAFFIC TO NEW OUTSIDE WIDENING			TRAFFIC BARRIER SVC CONCRETE	7,491	LF	$ 29,820
H321042	EXCAVATE / SHORE FOR MSE WALL OVER HOLMES RUN CULVERT	F	00120	RETAINING WALL EXCAVATION	2,500	CY	$ 64,100
H321044	INSTALL MSE PANELS / LIGHTWEIGHT FILL AT CULVERT CROSSING			RETAINING STRUCTURE MSE	2,250	SF	$ 137,310
H321046	FORM/REBAR/POUR MSE MOMENT SLAB / NOISEWALL FND			MOMENT SLAB & REBAR	175	LF	$ 94,550
H321095	LIGHTING and ELECTRICAL INSTALL			ELECTRICAL/LIGHTING	1	LS	$ 454,480
H321095	LIGHTING and ELECTRICAL INSTALL			ELECTRICAL TMS /ITS	1	LS	$ 77,690
H321097	OVERHEAD and GROUND SIGNAGE			PROJECT SIGNAGE	1	LS	$ 64,100
H32A1000	DRILL, SET, AND POUR POSTS			DRILLED SHAFTS AND POSTS	143	EA	$ 1,463,370
H32A1010	INSTALL CONCRETE LAGGING PANELS			RETAINING WALL	24,942	SF	$ 1,120,050
H32A1020	BACKFILL LAGGING	F	00120	REGULAR EXCAVATION	5,812	CY	$ 149,910
H32A1020	BACKFILL LAGGING			PAVED DITCH PG-2A	1,000	SY	$ 75,740
H32A1030	SET LIGHTWEIGHT NOISE PANELS			SW PANELS	74,118	SF	$ 1,258,350
H32A1030	SET LIGHTWEIGHT NOISE PANELS			SW STAINING	107,250	SF	$ 192,310
H331000	GUARDRAIL AND MEDIAN BARRIER RECONSTRUCTION			MEDIAN BARRIER MB-7F	725	LF	$ 56,330
H331000	GUARDRAIL AND MEDIAN BARRIER RECONSTRUCTION			GUARDRAIL GR-2	1,125	LF	$ 45,890
H331010	FINAL MILL and OVERLAY PAVE AUXILIARY LANE	F/P	16515	FLEXIBLE PAVEMENT PLANING 2"	22,000	SY	$ 60,640
H331010	FINAL MILL and OVERLAY PAVE AUXILIARY LANE	F/P	10609	SURFACE ASPHALT SM-12.5E	3,878	TON	$ 448,710

Schedule of Values

Act ID	Description	Fuel (F) / Price (P) Adjust.	Item Number	Material Description	Quantity	Unit	Scheduled Value
H331010	FINAL MILL and OVERLAY PAVE AUXILIARY LANE			PVMT MKGS TYB CL 6	17,000	LF	$ 77,950

$ 55,867,000

Monthly Payment Schedule
Proposal B

Period Ending (Month)	Projected Monthly Total:	Projected Cumulative Total:
April 2013	$ 558,670	$ 558,670
May 2013	$ 614,537	$ 1,173,207
June 2013	$ 642,471	$ 1,815,678
July 2013	$ 670,404	$ 2,486,082
August 2013	$ 726,271	$ 3,212,353
September 2013	$ 782,138	$ 3,994,491
October 2013	$ 899,459	$ 4,893,949
November 2013	$ 1,005,606	$ 5,899,555
December 2013	$ 1,173,207	$ 7,072,762
January 2014	$ 1,296,114	$ 8,368,877
February 2014	$ 1,452,542	$ 9,821,419
March 2014	$ 1,625,730	$ 11,447,148
April 2014	$ 1,787,744	$ 13,234,892
May 2014	$ 1,843,611	$ 15,078,503
June 2014	$ 1,899,478	$ 16,977,981
July 2014	$ 1,955,345	$ 18,933,326
August 2014	$ 2,011,212	$ 20,944,538
September 2014	$ 2,039,146	$ 22,983,684
October 2014	$ 2,067,079	$ 25,050,763
November 2014	$ 2,095,013	$ 27,145,775
December 2014	$ 2,122,946	$ 29,268,721
January 2015	$ 2,130,209	$ 31,398,930
February 2015	$ 2,133,561	$ 33,532,491
March 2015	$ 2,178,813	$ 35,711,304
April 2015	$ 2,189,986	$ 37,901,290
May 2015	$ 2,212,333	$ 40,113,623
June 2015	$ 2,217,920	$ 42,331,543
July 2015	$ 2,223,507	$ 44,555,050
August 2015	$ 2,234,680	$ 46,789,730
September 2015	$ 2,244,736	$ 49,034,466
October 2015	$ 2,262,614	$ 51,297,079
November 2015	$ 2,279,374	$ 53,576,453
December 2015	$ 2,290,547	$ 55,867,000

EXHIBIT 6.3(a)
ADJUSTMENT FOR ASPHALT

SPECIAL PROVISION FOR
ASPHALT MATERIAL PRICE ADJUSTMENT
DESIGN-BUILD PROJECTS

November 5, 2012

In the event the Design-Builder elects to seek adjustment for asphalt 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. If new pay items which contain Asphalt Material are established by Work Order, they will not be subject to Price Adjustment unless specifically designated in the Work Order to be subject to Price Adjustment.

Each month, the Department will publish an average state-wide PG 64-22 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 Contract Division website on or about the first weekday of the following month.

This monthly statewide average price will be the Base Index for all contracts on which bids 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. Adjustment of any asphalt material item designated as a price adjustment item which does not contain PG 64-22, except PG 76-22, 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.

In order to be eligible for asphalt price adjustment under this provision, the Design-Builder shall clearly identify within the Schedule of Values those pay items and the associated quantities it chooses to have asphalt price adjustment applied to in its work packages. Items the Design-Builder claims in its application of payment for asphalt 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.

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.

__XI elect to use this provision

__I elect not to use this provision

Date: February 13, 2013

Signature: _____

Design-builder: Shirley Contracting Co., LLC

Vendor No.: S018

EXHIBIT 6.3 (c)
ADJUSTMENT FOR FUEL

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

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.

_X_ I elect to use this provision

__ I elect not to use this provision

Date: February 13, 2013

Signature:

Design-builder: Shirley Contracting Co., LLC

Vendor No.: S018

EXHIBIT 6.3(d)
ADJUSTMENT FOR STEEL

VIRGINIA DEPARTMENT OF TRANSPORTATION
SPECIAL PROVISION FOR
PRICE ADJUSTMENT FOR STEEL
DESIGN-BUILD PROJECTS

June 30, 2011

In the event the Design-Builder elects to seek adjustment for steel items designated in the Price Proposal\Contract as Price Adjustment Items such items will be subject to price adjustment as set forth herein. If new pay items which involve steel are established by Work Order, they will not be subject to Price Adjustment unless specifically designated in the Work Order to be subject to Price Adjustment.

The Design-Builder will submit their monthly application for payment associated with eligible work packages with an adjustment up or down as appropriate for cost changes in steel used on specific items of work identified in the Price Proposal/contract in accordance with this provision. Provided at the end of this provision is a master listing of standard bid items the Department has determined are eligible for steel price adjustment. Inventoried materials from the listing of eligible items are specifically excluded for consideration. In addition, concrete items where reinforcing steel is normally included in the unit bid price for the item such as (but not limited to) drop inlets, median barriers, sound barrier walls, bridge railing and parapets, are not eligible for consideration under this provision.

The requirements of this provision shall apply only to material cost changes that occur between the date of the opening of the Price Proposal and the date the material is shipped to the fabricator. To be eligible for this price adjustment, Design-Builder is required to fill out the accompanying Form for Price Adjustment for Eligible Steel Items on Design-Build Projects and submit the same with its Price Proposal for the Project. By signing the Form and submitting it with its Price Proposal Design-Builder declares its intention to participate in the price adjustment in its contract with the Department. For the purposes of this provision, the prices listed on the Form for Price Adjustment for Eligible Steel Items on Design-Build projects are fixed for cost and adjustment calculations regardless of quantities incorporated into final design. Further, in order for steel items to be eligible for adjustment, once shipped to the fabricator, the items shall be specifically stored, labeled, or tagged, recognizable by color marking, and identifiable by project for inspection and audit verification.

Design-Builder shall upon request furnish documentation supporting the price per pound for eligible steel items as shown on the Form for Price Adjustment for Eligible Steel Items on Design-Build Projects furnished with its Price Proposal. Design-Builder must use the format as shown with this Form; no other format for presenting this information will be permitted. Design-Builder shall certify that all items of documentation are original and were used in the computation of the price per pound amount for the represented eligible pay items for the month the Price Proposal was opened. This documentation shall support the base line material price ("Base Price") of the steel item only. Base price per pound shall not include the following cost components: fabrication, shipping, storage, handling, and erection.

Failure to submit all documentation required or requested supporting the per pound prices on eligible steel items will result in Design-Builder being ineligible for a price adjustment of any or all steel items.

Price adjustment of each qualifying item under consideration will be subject to the following condition:

There is an increase or decrease in the cost of eligible steel materials in excess of 10 percent up to a maximum of 60 percent from the Base Price when compared with the latest published price index ("Price Index") in effect at the time material is shipped to the fabricator.

The Price Index the Department is using is based on The U.S. Department of Labor, Bureau of Labor Statistics, Producers Price Index (PPI) which measures the average price change over time of the specific steel eligible item from the perspective of the seller of goods. The Master List table provided at the end of this provision indicates the Producers Price Index (PPI) steel category index items and the corresponding I.D. numbers to which VDOT items will be compared. **Please note**: The Producers Price Index (PPI) is subject to revision 4 months after original publication, therefore, price adjustments and payments will not be made until the index numbers are finalized.

The price adjustment will be determined by computing the percentage of change in index value beyond 10 percent above or below the index on the date of opening of Design-Builder's Price Proposal to the index value on the date the steel material is shipped to the fabricator (Please see included sample examples). Weights and date of shipment must be documented by a bill of lading provided to the Department. The final price adjustment dollar value will be determined by multiplying this percent increase or decrease in the index (after 10%) by the represented quantity of steel shipped, by the Base Price per pound subject to the limitations herein.

Price increase/decrease will be computed as follows:

$A = B \times P \times Q$

Where;
- A = Steel price adjustment in lump sum dollars
- B = Average weighted price of steel submitted in Design-Builder's Price Proposal for project in price per pound as listed on the Form for Price Adjustment for Eligible Steel Items on Design-Build Project
- P = Adjusted percentage change in PPI average from shipping date to date of opening of Price Proposal minus 10% (0.10) threshold
- Q = Total quantity of steel in pounds shipped to fabricator for specific project

The need for application of the adjustments herein to extra work will be determined by the Engineer on an individual basis and, if appropriate, will be specified on the Work Order.

This price adjustment is capped at 60 percent. This means the maximum "P" value for increase or decrease that can be used in the above equation is 50% (60%-10% threshold).

Calculations for price adjustment shall be shown separate from the monthly progress payment for work packages and will not be included in the total cost of work for determination of progress or for extension of contract time.

Upon Department review and due process consideration for redress by Design-Builder, any apparent evidence to unbalance the price supplied by Design-Builder in favor of items subject to price adjustment will result in ineligibility for Department participation under this provision.

FORM FOR PRICE ADJUSTMENT FOR ELIGIBLE STEEL ITEMS ON DESIGN-BUILD PROJECTS
Must be supplied with Price Proposal for Department Participation

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

DATE FOR RECEIPT OF PRICE PROPOSAL February 13, 2103

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

Item Number	Item Description	Quantity	Unit	Unit Price	Supplier	Date of Quote

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

Design-Builder

Date

Sample Calculation of a Price Adjustment (increase)

Project bid on April 28, 2004.

Project has 450,000 lb. of eligible structural steel.

Design Builder's *f.o.b. supplier price for structural steel submitted in the Price Proposal is $0.2816 per pound.

*free on board

Adjusted** BLS Producers Price Index (PPI) most recently published average at time of opening of the Price Proposal is 139.6.

All eligible steel shipped to fabricator in same month, October 2004.

Adjusted BLS Producers Price Index (PPI) most recently published average for month of October is 161.1

Adjustment formula is as follows:

A = B X P X Q

Where;
- A = Steel price adjustment in lump sum dollars
- B = Average weighted price of steel submitted in the Price Proposal for Design-Build project in $ per pound
- P = Adjusted percentage change in PPI average from shipping date to date of submitted Price Proposal minus 10% (0.10) threshold
- Q = Total quantity of eligible steel shipped to fabricator in October 2004 for this project in pounds

B = $0.2816

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

Q = 450,000 lb.

A = 0.2816 x 0.054 x 450,000

A = $6,842.88 pay adjustment to Design-Builder

Sample Calculation of a Price Adjustment (decrease)

Project bid on April 28, 2004.

Project has 450,000 lb. of eligible structural steel.

Design-Builder's *f.o.b. supplier price for structural steel submitted in the Price Proposal is $0.2816 per pound.

*free on board

Adjusted BLS Producers Price Index (PPI) most recently published average at time of opening of the Price Proposal is 156.6.

All eligible steel shipped to fabricator in same month, October 2004.

Adjusted BLS Producers Price Index (PPI) most recently published average for month of October is 136.3

Adjustment formula is as follows:

A = B X P X Q

Where;
- A = Steel price adjustment in lump sum dollars
- B = Average weighted price of steel submitted in the Price Proposal for Design-Build project in $ per pound
- P = Adjusted percentage change in PPI average from shipping date to date of submitted Price Proposal minus 10% (0.10) threshold
- Q = Total quantity of eligible steel shipped to fabricator in October 2004 for this project in pounds

B = $0.2816

P = (156.6 – 136.3)/156.6 – 0.10 = 0.030

Q = 450,000 lb.

A = 0.2816 x 0.030 x 450,000

A = $3,801.60 credit to Department

MASTER LISTING

STANDARD BID ITEMS ELIGIBLE FOR STEEL PRICE ADJUSTMENT

March 18, 2009

ITEM NUMBER	ITEM DESCRIPTION	UNITS	BLS Series I. D. Number WPU used in $ adjust.
00519	SHEET PILE, STEEL	SF	avg. 1017 & 101
00540	REINF. STEEL	LB	101704
00542	EPOXY COATED REINF. STEEL	LB	101704
00560	STRUCTURAL STEEL JB-1	LB	avg. 1017 & 101
11030	REINF. STEEL BRIDGE APPR. SLAB	LB	101704
11181	PATCH.HYDR.CEM.CONC. PAVE.	SY	101704
13290	GUARDRAIL GR-8 (NCHRP 350 TL-3)	LF	avg. 1017 & 101
13292	GUARDRAIL GR-8A (NCHRP 350 TL-3)	LF	avg. 1017 & 101
13294	GUARDRAIL GR-8B (NCHRP 350 TL-3)	LF	avg. 1017 & 101
13310	GUARDRAIL TERMINAL GR-6 (NCHRP 350)	LF	avg. 1017 & 101
13320	GUARDRAIL GR-2	LF	avg. 1017 & 101
13323	GUARDRAIL GR-2A	LF	avg. 1017 & 101
13331	RAD. GUARDRAIL GR-2	LF	avg. 1017 & 101
13333	RAD. GUARDRAIL GR-2A	LF	avg. 1017 & 101
13335	GUARDRAIL GR-3	LF	avg. 1017 & 101
13341	GUARDRAIL TER. GR-6(WEATHERING STEEL	LF	avg. 1017 & 101
13351	GUARDRAIL GR-8	LF	avg. 1017 & 101
13352	GUARDRAIL GR-8A	LF	avg. 1017 & 101
13353	GUARDRAIL GR-8B	LF	avg. 1017 & 101
13355	GUARDRAIL GR-10	LF	avg. 1017 & 101
13421	MEDIAN BARRIER MB-3	LF	avg. 1017 & 101
13450	MEDIAN BARRIER MB-5	LF	avg. 1017 & 101
13451	MEDIAN BARRIER MB-5A	LF	avg. 1017 & 101
13452	MEDIAN BARRIER MB-5B	LF	avg. 1017 & 101
13545	REINF. STEEL	LB	101704
14502	REINFORCING STEEL	LB	101704
15290	PATCH.CEM.CONC.PAVE.TY.CRCP-A	SY	101704
15302	PATCH.CEM.CONC.PAVE. TY. II	SY	101704
15305	PATCH.CEM.CONC.PAVE.TY. IV-A	SY	101704
17323	GUARDRAIL BEAM *	LF	avg. 1017 & 101
17325	RADIAL GUARDRAIL BEAM *	LF	avg. 1017 & 101
17327	RUB RAIL	LF	avg. 1017 & 101
17353	CABLE GR-3	LF	avg. 1017 & 101
17521	GUARDRAIL BEAM (WEATHERING STEEL)	LF	avg. 1017 & 101
17523	RADIAL GUARDRAIL BEAM (WEATHERING STEEL)	LF	avg. 1017 & 101
17525	RUB RAIL (WEATHERING STEEL)	LF	avg. 1017 & 101
22501	FENCE FE-W1	LF	avg. 1017 & 101
22643	FENCE FE-CL	LF	avg. 1017 & 101
22645	FENCE FE-CL VINYL COATED	LF	avg. 1017 & 101
23043	WATER GATE FE-4 TY.III	LF	avg. 1017 & 101
23501	FENCE FE-W1 (FABRIC ONLY)	LF	avg. 1017 & 101
45522	4" STEEL ENCASE. PIPE	LF	101706
45532	6" STEEL ENCASE. PIPE	LF	101706
45562	16" STEEL ENCASE. PIPE	LF	101706

45572	18" STEEL ENCASE. PIPE	LF	101706
45582	24" STEEL ENCASE. PIPE	LF	101706
45584	24" JACKED STEEL ENCASEMENT PIPE	LF	101706
45592	30" STEEL ENCASE. PIPE	LF	101706
50402	SIGN POST STEEL 3"	LF	101706
50404	SIGN POST STEEL 4"	LF	101706
50406	SIGN POST STEEL 6"	LF	101706
50410	SIGN POST STEEL 10"	LF	101706
50412	SIGN POST STEEL 12"	LF	101706
50414	SIGN POST STEEL 14"	LF	101706
50416	SIGN POST STEEL 16"	LF	101706
50418	SIGN POST STEEL 18"	LF	101706
51317	SIG. POLE MP-1 20' ONE ARM 30'	EA	101706
51319	SIG. POLE MP-1 20' ONE ARM 32'	EA	101706
51325	SIG. POLE MP-1 20' ONE ARM 38'	EA	101706
51327	SIG. POLE MP-1 20' ONE ARM 40'	EA	101706
51329	SIG. POLE MP-1 20' ONE ARM 42'	EA	101706
51331	SIG. POLE MP-1 20' ONE ARM 44'	EA	101706
51337	SIG. POLE MP-1 20' ONE ARM 50'	EA	101706
51339	SIG. POLE MP-1 20' ONE ARM 52'	EA	101706
51341	SIG. POLE MP-1 20' ONE ARM 54'	EA	101706
51344	SIG. POLE MP-1 20' ONE ARM 56'	EA	101706
51346	SIG. POLE MP-1 20' ONE ARM 58'	EA	101706
51347	SIG. POLE MP-1 20' ONE ARM 60'	EA	101706
51348	SIG. POLE MP-1 20' ONE ARM 62'	EA	101706
51368	SIG.POLE MP-1 20'TWO ARMS 36'& 42'	EA	101706
51400	SIG.POLE MP-1 CO.LU.ONE ARM 38	EA	101706
51402	SIG.POLE MP-1 CO.LU.ONE ARM 40	EA	101706
51408	SIG.POLE MP-1 CO.LU.ONE ARM 46	EA	101706
51412	SIG.POLE MP-1 CO.LU.ONE ARM 50	EA	101706
51414	SIG.POLE MP-1 CO.LU.ONE ARM 52	EA	101706
51416	SIG.POLE MP-1 CO.LU.ONE ARM 54	EA	101706
51418	SIG.POLE MP-1 CO.LU.ONE ARM 56	EA	101706
51420	SIG.POLE MP-1 CO.LU.ONE ARM 58	EA	101706
51422	SIG.POLE MP-1 CO.LU.ONE ARM 60	EA	101706
55162	LIGHTING POLE LP-1 30'-4'	EA	101706
55163	LIGHTING POLE LP-1 30'-6'	EA	101706
55166	LIGHTING POLE LP-1 30'-12'	EA	101706
55169	LIGHTING POLE LP-1 35'-6'	EA	101706
55171	LIGHTING POLE LP-1 35'-10'	EA	101706
55176	LIGHTING POLE LP-1 40'-8'	EA	101706
55185	LIGHTING POLE LP-2 TYPE A	EA	101706
55186	LIGHTING POLE LP-2 TYPE B	EA	101706
55187	LIGHTING POLE LP-2 TYPE C	EA	101706
55188	LIGHTING POLE LP-2 TYPE D	EA	101706
55189	LIGHTING POLE LP-2 TYPE E	EA	101706
55190	LIGHTING POLE LP-2 TYPE F	EA	101706
55192	LIGHTING POLE LP-2 TYPE H	EA	101706
60452	REINF. STEEL BRIDGE APPR. SLAB	LB	101704
61700	REINF. STEEL	LB	101704
61704	CORROSION RESISTANT REINF. STEEL	LB	101704
61705	EPOXY COATED REINF. STEEL	LB	101704
61750	STRUCT.STEEL HIGH STRG.PLT.GIRDERS	LB	avg. 1017 & 101
61811	STR.STEEL PLATE GIRDER ASTM A709 GRADE50	LB	avg. 1017 & 101
61812	STR.STEEL PLATE GIRDER ASTM A709 GRADE50	LB	avg. 1017 & 101
61813	STR.STEEL PLATE GIRDER ASTM A709 GRADEHPS50W	LB	avg. 1017 & 101

61814	STR.STEEL PLATE GIRDER ASTM A709 GRADEHPS70W	LB	avg. 1017 & 101
61820	STR.STEEL ROLLED BEAM ASTM A709 GRADE 36	LB	avg. 1017 & 101
61821	STR.STEEL ROLLED BEAM ASTM A709 GRADE50	LB	avg. 1017 & 101
61822	STR.STEEL ROLLED BEAM ASTM A709 GRADE50W	LB	avg. 1017 & 101
61990	STEEL GRID FLOOR	SF	avg. 1017 & 101
64110	STEEL PILES 10"	LF	avg. 1017 & 101
64112	STEEL PILES 12"	LF	avg. 1017 & 101
64114	STEEL PILES 14"	LF	avg. 1017 & 101
64768	DRIVING TEST FOR 12" STEEL PILE	LF	avg. 1017 & 101
64778	DRIVING TEST FOR 14" STEEL PILE	LF	avg. 1017 & 101
65200	REINF. STEEL	LB	101704
65204	CORROSION RESISTANT REINF. STEEL	LB	101704
65205	EPOXY COATED REINF. STEEL	LB	101704
67086	PED. FENCE 6'	LF	avg. 1017 & 101
67088	PED. FENCE 8'	LF	avg. 1017 & 101
67089	PED. FENCE 10'	LF	avg. 1017 & 101
68100	REINF. STEEL	LB	101704
68104	CORROSION RESISTANT REINF. STEEL	LB	101704
68105	EPOXY COATED REINF. STEEL	LB	101704
68107	STR.STEEL PLATE GIRDER ASTM A709 GRADE50	LB	avg. 1017 & 101
68108	STR. STEEL PLATE GIRDER ASTM A709 GR50W	LB	avg. 1017 & 101
68109	STR. STEEL PLATE GIRDER ASTM A709 GR.HPS50W	LB	avg. 1017 & 101
68110	STR. STEEL PLATE GIRDER ASTM A709 GR.HPS70W	LB	avg. 1017 & 101
68112	STR.STEEL ROLLED BEAM ASTM A709 GR.36	LB	avg. 1017 & 101
68113	STR.STEEL ROLLED BEAM ASTM A709 GR.50	LB	avg. 1017 & 101
68114	STR.STEEL ROLLED BEAM ASTM A709 GR. 50W	LB	avg. 1017 & 101
68115	STRUCT. STEEL	LB	avg. 1017 & 101
68270	REINF. STEEL BRIDGE APPR. SLAB	LB	101704
69060	SHEET PILES, STEEL	SF	avg. 1017 & 101
69100	REINF. STEEL	LB	101704
69104	CORROSION RESISTANT REINF. STEEL	LB	101704
69105	EPOXY COATED REINF. STEEL	LB	101704
69110	STEEL PILES 10"	LF	avg. 1017 & 101
69112	STEEL PILE 12"	LF	avg. 1017 & 101
69113	DRIVING TEST FOR 12" STEEL PILE	LF	avg. 1017 & 101

___I elect to use this provision

X I elect not to use this provision

Date: February 13, 2103

Signature: _____

Design-Builder: Shirley Contracting Company, LLC

Vendor No.: S018

Form C-24
Rev. 7-6-05

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 13TH Day of FEBRUARY , 20 13

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

PROJECT NUMBER: CONTRACT ID NUMBER: C00096261DB50
I-395 HOV RAMP AT SEMINARY ROAD FROM: SANGER AVENUE TO: SEMINARY ROAD WITH
I-395 NB AUXILIARY LANE EXTENSION FROM: DUKE STREET TO: SANGER AVENUE
CITY OF ALEXANDRIA, VIRGINIA, A DESIGN-BUILD PROJECT

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/Mgr.

_____
(Principal*)

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

_____
(Principal*)

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

TRAVELERS CASUALTY AND SURETY COMPANY OF AMERICA
(Surety Company)

By: _____
(Attorney-in-Fact**) (Seal)
KAREN C. BOWLING, ATTORNEY-IN-FACT

ONE TOWER SQUARE, HARTFORD, CT 01683
(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

WARNING: THIS POWER OF ATTORNEY IS INVALID WITHOUT THE RED BORDER

TRAVELERS

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. 219657 **Certificate No.** 005239330

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, and Karen C. Bowling

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 16th day of October, 2012.

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 16th day of October, 2012, 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, 2016.

MARIE C. TETREAULT NOTARY PUBLIC CONNECTICUT

Marie C. Tetreault
Marie C. Tetreault, Notary Public

58440-8-12 Printed in U.S.A.

WARNING: THIS POWER OF ATTORNEY IS INVALID WITHOUT THE RED BORDER

Form C-104
Rev. 7-13-05

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

PROJECT: 0395-100-722, 0395-100-736

FHWA: IM-5A01(362), NH-5A01(363), pending

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 FOLLOWIN G STATEMENT EITHER BY SIGNING THE AFFIDAVIT AND HA VING IT NOTARIZED OR BY SIGNING THE UNSWORN DECLARATION UNDER PENALTY OF PERJURY U NDER THE LA WS OF THE UNITED STATES.** A SEPARATE FORM MUST BE SUBMITTED BY EACH PRINCIPAL OF A JOINT VENTURE BID.

STATEMENT, In preparation and submission of this bid, I, the firm, corporation or officers, agents or employees thereof did not, either directly or indirectly, enter into any combination or arrangement with any persons, firm or corporation or enter into any agreement, participate in any collusion, or otherwise take any action in the restraint of free, competitive bidding in violation of the Sherman Act (15 U.S.C. Section 1) or Article 1.1 or Chapter 12 of Title 18.2 (Virginia Governmental Frauds Act), Sections 59.1-9.1 through 59.1-9.17 or Sections 59.1-68.6 through 59.1-68.8 of the Code of Virginia.

AFFIDAVIT

The undersigned is duly authorized by the bidder to make the foregoing statement to be filed with bids submitted on behalf of the bidder for contracts to be let by the Commonwealth Transportation Board.

Signed at Fairfax, VA (County (City), STATE), this 13 day of February, 20 13

Shirley Contracting Company, LLC (Name of Firm) By: [signature] (Signature) Pres | CEO | Mgr (Title (print))

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

I Danielle Barber, 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 13th day of February, 20 13

[signature] Notary Public My Commission expires April 30, 2014

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 _____ (County (City), STATE), this ____ day of _____, 20 ____

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

DANIELLE MARIE BARBER NOTARY PUBLIC REG # 7379031 COMMISSION EXPIRES 4/30/14 COMMONWEALTH OF VIRGINIA

Form C-105
Rev. 7-13-05

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
AFFIDAVIT

PROJECT: 0395-100-722, 0395-100-736

FHWA: IM-5A01(362), NH-5A01(363), pending

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
VTCA	620 Moorefield Park Dr., Richmond, VA 23236
HCCA	10756B Ambassador Dr., Manassas, VA 20110
Maryland Hwy. Contractors Assn.	2408 Peppermill Dr., Glen Burnie, MD 20161

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.:

3. The bidder certifies to the best of its knowledge and belief, that it and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency;

(b) Have not within a three year period preceding this proposal been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offence in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated above; and

(d) Where the bidders is unable to certify to any of the statements in this certification, the bidder shall show an explanation below.

Explanations will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any explanation noted, indicate below to whom it applies, initiating agency, and dates of action. Providing false information may result in federal criminal prosecution or administration sanctions. The bidder shall provide immediate written notice to the Department if at any time the bidder learns that its certification was erroneous when submitted or has become erroneous by reason of change circumstances.

The undersigned is duly authorized by the bidder to make the foregoing statements to be filed with bids submitted on behalf of the bidder for contracts to be let by the Commonwealth Transportation Board.

Signed at Fairfax, VA (County (City), STATE) this 13 day of February, 20 13

Shirley Contracting Company, LLC (Name of Firm) By: _____ (Signature) Pres/CEO/Mgr (Title (print))

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

I Danielle Barber, 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 13th day of February, 20 13

Danielle Barber
Notary Public

My Commission expires April 30, 2014

DANIELLE MARIE BARBER NOTARY PUBLIC REG # 7379031 COMMISSION EXPIRES 4/30/14 COMMONWEALTH OF VIRGINIA

Form C-111
Rev. 2-15-11

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
MINIMUM DBE REQUIREMENTS

PROJECT NO. 0395-100-722, 0395-100-736

FHWA NO. IM-5A01(362), NH-5A01(363), pending

*** * * INSTRUCTIONS * * ***

THIS FORM CAN BE USED BY THE CONTRACTOR TO SUBMIT THE NAMES OF DBE FIRMS TO BE UTILIZED ON THE PROJECT. THE CONTRACTOR SHALL INDICATE THE DESCRIPTION OF THE CATEGORY (S, M, SP or H) AND THE TYPE OF WORK THAT EACH DBE WILL PERFORM AND THE ALLOWABLE CREDIT PER ITEM(S). ADDITIONAL SHEETS TO SHOW THE ALLOWABLE CREDIT PER ITEM MAY BE ATTACHED IF NECESSARY. **PLEASE NOTE:** THE AMOUNT OF ALLOWABLE CREDIT FOR A DBE SUPPLIER IS 60% OF THE TOTAL COST OF THE MATERIALS OR SUPPLIES OBTAINED AND 100% FOR A DBE MANUFACTURER OF THE MATERIALS AND SUPPLIES OBTAINED. A CONTRACTOR MAY COUNT 100% OF THE FEES PAID TO A DBE HAULER FOR THE DELIVERY OF MATERIALS AND SUPPLIES TO THE PROJECT SITE, BUT NOT FOR THE COST OF THE MATERIALS AND SUPPLIES THEMSELVES.

DBE REQUIREMENT 20.0 **%**

PERCENT ATTAINED BY BIDDER 20.04 **%**

NAMES(S) AND CERTIFICATION NO. OF DBE(S) TO BE USED	USED AS SUBCONTR. (S) MFG. (M) SUPPLIER (SP) HAULER (H)	TYPE OF WORK AND ITEM NO(S)	$ AMOUNT OF ALLOWABLE CREDIT PER ITEM
SEE ATTACHMENT			
		TOTAL	$

TOTAL CONTRACT VALUE $ _____ x REQUIRED DBE 20.0 % = $ _____

I/WE CERTIFY THAT THE PROPOSED DBE(S) SUBMITTED WILL BE USED ON THIS CONTRACT AS STATED HEREON AND ASSURE THAT DURING THE LIFE OF THE CONTRACT. I/WE WILL MEET OR EXCEED THE PARTICIPATION ESTABLISHED HEREON BY THE DEPARTMENT.

Shirley Contracting Company, LLC — BIDDER

BY _____ — SIGNATURE

Pres/CEO/Mgr — TITLE

BY 2/13/13. — DATE

I-395 HOV Ramp at Seminary Road

SHIRLEY CONTRACTING COMPANY, LLC

Contract ID Number: C00096261DB50
State Project No. 0395-100-722, 0395-100-736

SHIRLEY CONTRACTING COMPANY

DBE Breakdown of Form C-111

SUBCONTRACTOR	ADDRESS	TYPE OF WORK	DBE No.	VEND No.	PERCENT of WORK by DBE	PERCENT of DBE VALUE	CONTRACT AMOUNT
Aggregate Relocation Specialists, LLC	364 Singleton Circle, Warrenton, VA 20186	Aggregate Supply	#675350		100.00%	1.70%	$ 952,000.00
American Pride Welding, Inc	3484 New Salem Road, Climax, NC 27233	SIP Form Furnish & Install	#671779	#A1050	100.00%	0.47%	$ 260,000.00
New Form Building Systems, Inc.	90 Heritage Park Road Suite 2, Bucksport, ME 04416	Furnish Sound Wall Panels	#674697		100.00%	2.38%	$ 1,327,646.00
J D Littlejohn, Inc.	1332 Horner Road, Woodbridge, VA 22191	Onsite Trucking	#626342		100.00%	0.98%	$ 550,000.00
Nickelston Industries, Inc.	P.O. Box 133, Lawsonville, NC 27022	Guardrail Installation	#648455	#N234	100.00%	0.33%	$ 185,000.00
Morgan Oil Corporation	P.O. Box 100 Marshall, VA 20116	Asphalt Mixtures Merchant Wholesalers - Liquid Supply	#000918		100.00%	0.81%	$ 450,000.00
Tavares Concrete Company, Inc.	8000 Cinder Bed Road, Lorton, VA 22079	Concrete Flatwork	#626436	#T131	100.00%	4.98%	$ 2,781,000.00
Interlock Steelworkers, Inc.	2703 Back Acre Circle, Mount Airy, MD 21771	Rebar Furnish & Install	#626263	#I039	100.00%	4.53%	$ 2,528,000.00
Old Dominion Electrical Supply, Inc.	P.O. Box 25644 Richmond, VA 23260	Electrical Equipment Furnish	#000023		100.00%	0.55%	$ 308,000.00
Roadside Inc.	128 Dealba Lane, Seaford, VA 23696	Underdrain	#626684	#R574	100.00%	0.20%	$ 114,000.00
Quinn Consulting Services, Inc.	4094 Majestic Lane #281, Fairfax, VA 22033	Engineering Services	#626289	Professional Services	100.00%	1.34%	$ 750,000.00
Geoconcepts Engineering, Inc.	19955 Highland Vista Drive, Suite 170 Ashburn, VA 20147	Engineering Services	#626642	Professional Services	100.00%	1.70%	$ 950,000.00
Diversified Property Services of VA	20 E. Timonium Road, Suite 111, Timonium, MD 21093	R.O.W. Acquisition Services	#626679	Professional Services	100.00%	0.07%	$ 41,000.00

CONTRACT TOTAL VALUE: **$55,867,000.00**

TOTAL: **$11,196,646.00**
Value of DBE Attained **20.04%**

Form C-112
Rev. 3-1-11
Page 1 of 2

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
CERTIFICATION OF BINDING AGREEMENT
WITH
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: 0395-100-722, 0395-100, 736

Federal Project No.: IM-5A01(363), NH-5A01(363), pending

This form is to be submitted in accordance with the Department's Special Provision for Section 107.15.

It is hereby certified by the below signed Contractors that there exists a written quote, acceptable to the parties involved preliminary to a binding subcontract agreement stating the details concerning the work to be performed and the price which will be paid for the aforementioned work. This document is not intended to, nor should it be construed to, contain the entire text of the agreement between the contracting parties. This document does not take the place of, nor may it be substituted for, an official subcontracting agreement in those situations that may require such an agreement. A copy of the fully executed *subcontract agreement* shall be submitted to the Engineer within fourteen (14) business days after contract execution.

It is further certified that the aforementioned mutually acceptable quote and fully executed subcontract agreement represent the entire agreement between the parties involved and that no conversations, verbal agreements, or other forms of non-written representations shall serve to add to, delete, or modify the terms as stated.

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Contractors further jointly and severally represent that said binding agreement is for the performance of a "commercially useful function" as that term is employed in 49 C.F.R. Part 26.55 (c), (d).

TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM

Prime Contractor: Shirley Contracting Company, LLC

By: _____ (Signature) President/CEO (Title)

Date: 2/13/13

First Tier Subcontractor if Applicable: Nickelston Industries, Inc.

By: David A. Hall (Signature) Corporate Secretary (Title)

Date: 2-13-13

Second Tier Subcontractor if Applicable _____

By: _____ Signature _____ Title

Date: _____

Third Tier Subcontractor if Applicable _____

By: _____ Signature _____ Title

Date: _____

DBE Contractor Nickelston Industries, Inc.

By: David A. Harris Signature Corporate Secretary Title

Date: 2-13-13

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
CERTIFICATION OF BINDING AGREEMENT
WITH
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: 0395-100-722, 0395-100-736

Federal Project No.: IM-5A01(362), NH-5A01(363), pending

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TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM

Prime Contractor: Shirley Contracting Company, LLC

By: _____ (Signature) President/CEO (Title)

Date: 2/13/13

First Tier Subcontractor if Applicable: Virginia Sign & Lighting Company

By: _____ (Signature) Asst. District Manager (Title)

Date: February 13, 2013

Second Tier Subcontractor if Applicable _____

By. _____ _____
Signature Title

Date: _____

Third Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date. _____

DBE Contractor OLD DOMINION ELECTRICAL SUPPLY

By. _____ PRESIDENT
Signature Title

Date: FEB. 13, 2013

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
CERTIFICATION OF BINDING AGREEMENT
WITH
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: 0395-100-722, 0395-100, 736

Federal Project No.: IM-5A01(363), NH-5A01(363), pending

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TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM

Prime Contractor Shirley Contracting Company, LLC

By: _____ President/CEO
Signature Title

Date: 2/13/13

First Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

ORDER NO.: B21
CONTRACT ID. NO.: C00071774C01

Second Tier Subcontractor If Applicable: _____

By: _____ _____
Signature Title

Date: _____

Third Tier Subcontractor If Applicable _____

By: _____ _____
Signature Title

Date: _____

DBE Contractor J D Littlejohn, Inc.

By: James Littlejohn President
Signature Title

Date: 2/12/13

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
CERTIFICATION OF BINDING AGREEMENT
WITH
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: 0395-100-722, 0395-100, 736

Federal Project No.: IM-5A01(363), NH-5A01(363), pending

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TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM

Prime Contractor Shirley Contracting Company, LLC

By: _____ President/CEO
Signature Title

Date: 2/13/13

First Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

Second Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

Third Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

DBE Contractor New Form Building Systems, Inc.

By: Michelle C. Atherton Treasurer
Signature Title

Date: 2/15/2013

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
CERTIFICATION OF BINDING AGREEMENT
WITH
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: 0395-100-722, 0395-100-736

Federal Project No.: IM-5A01(362), NH-5A01(363), pending

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TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM

Prime Contractor: Shirley Contracting Company, LLC

By: _____ (Signature) President/CEO (Title)

Date: 2/13/13

First Tier Subcontractor if Applicable: _____

By: _____ (Signature) _____ (Title)

Date: _____

Second Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

Third Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

DBE Contractor American Pride Welding Inc

By: [signature] President
Signature Title

Date: 12-13-15

Form C-112
Rev. 3-1-11
Page 1 of 2

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
CERTIFICATION OF BINDING AGREEMENT
WITH
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: 0395-100-722, 0395-100-736

Federal Project No.: ~~XXXXXXXXXXXX~~ IM-5A01(362), NH-5A01(363), pending

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TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM

Prime Contractor Shirley Contracting Company, LLC

By: _____ (Signature) Pres/COO/MGR (Title)

Date: 2/13/13

First Tier Subcontractor if Applicable VIRGINIA PAVING COMPANY

By: _____ (Signature) Regional Program Director (Title)

Date: February 12, 2013

Second Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

Third Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

DBE Contractor Morgan Oil Corp

By: [signature] CEO
Signature Title

Date: Feb 12, 2013

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
CERTIFICATION OF BINDING AGREEMENT
WITH
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: 0395-100-722, 0395-100-736

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TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM

Prime Contractor: Shirley Contracting Company, LLC

By: _____ (Signature) President/CEO (Title)

Date: 2/13/13

First Tier Subcontractor if Applicable: ARS Trucking LLC

By: _____ (Signature) Manager (Title)

Date: 2/12/13

Second Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

Third Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

DBE Contractor ARS Trucking, LLC

By: D. Walker Manager
Signature Title

Date: 2/12/13

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
CERTIFICATION OF BINDING AGREEMENT
WITH
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: 0395-100-722, 0395-100,736

Federal Project No.: IM-5A01 (362), NH-5A01 (363), pending

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Prime Contractor Shirley Contracting Company, LLC

By: _____ (Signature) President/CEO (Title)

Date: 2/13/13

First Tier Subcontractor if Applicable Dewberry Consultants LLC

By: Dave Mahoney (Signature) Executive Vice President (Title)

Date: 2/12/13

Second Tier Subcontractor if Applicable: GeoConcepts Engineering

By: Paul Bulkalt (Signature) Vice President (Title)

Date: 8/12/13

Third Tier Subcontractor if Applicable: _____

By: _____ (Signature) _____ (Title)

Date: _____

DBE Contractor: _____

By: _____ (Signature) _____ (Title)

Date: _____

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
CERTIFICATION OF BINDING AGREEMENT
WITH
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: 0395-I00-722, 0395-100-736

Federal Project No.: IM-5A01-(362), NH-5A01 (363), pending

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The prime Contractor further represents that the aforementioned mutually acceptable quote and fully executed subcontract agreement shall remain on file for a period of not less than one year following completion of the prime's contract with the Department or for such longer period as provisions of governing Federal or State law or regulations may require. For purposes of this form, the term Prime Contractor shall refer to any Contractor utilizing a DBE subcontractor, regardless of tier, in which they are claiming DBE credit toward the contract goal.

Contractors further jointly and severally represent that said binding agreement is for the performance of a "commercially useful function" as that term is employed in 49 C.F.R. Part 26.55 (c), (d).

TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM

Prime Contractor Shirley Contracting Company, LLC

By: _____ President/CEO
Signature Title

Date: 2/13/13/

First Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

Second Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

Third Tier Subcontractor If Applicable _____

By: _____ _____
Signature Title

Date: _____

DBE Contractor Diversified Property Services, Inc.

By: _____ President
Signature Title

Date: 2/11/13

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
CERTIFICATION OF BINDING AGREEMENT
WITH
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: 0395-100-722, 0395-100-736

Federal Project No.: IM-5A01(362), NH-5A01(363), pending

This form is to be submitted in accordance with the Department's Special Provision for Section 107.15.

It is hereby certified by the below signed Contractors that there exists a written quote, acceptable to the parties involved preliminary to a binding subcontract agreement stating the details concerning the work to be performed and the price which will be paid for the aforementioned work. This document is not intended to, nor should it be construed to, contain the entire text of the agreement between the contracting parties. This document does not take the place of, nor may it be substituted for, an official subcontracting agreement in those situations that may require such an agreement. A copy of the fully executed *subcontract agreement* shall be submitted to the Engineer within fourteen (14) business days after contract execution.

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TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM

Prime Contractor Shirley Contracting Company, LLC

By: _____ President/CEO
Signature Title

Date: 2/13/13

First Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

Second Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

Third Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

DBE Contractor Interlock Steelworker's, Inc.

By: J. B. _____ President
Signature Title

Date: 2-12-13

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
CERTIFICATION OF BINDING AGREEMENT
WITH
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: 0395-100-722, 0395-100-736

Federal Project No.: IM-5A01 (362), NH-5A01 (363), pending

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TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM

Prime Contractor Shirley Contracting Company, LLC

By: _____ President/CEO
Signature Title

Date: 2/13/13

First Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

Second Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

Third Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

DBE Contractor Quinn Consulting Services, Inc.

By: _____ President
Signature Title

Date: February 12, 2013

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION

CERTIFICATION OF BINDING AGREEMENT
WITH
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: 0395-100-722, 0395-100-736

Federal Project No.: IM-5A01(363), NH-5A01(363), pending

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TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM

Prime Contractor: Shirley Contracting Company, LLC

By: _____ (Signature) President/CEO (Title)

Date: 2/13/13

First Tier Subcontractor if Applicable: ROADSIDE, INC.

By: _____ (Signature) PRESIDENT (Title)

Date: 2/12/13

Second Tier Subcontractor If Applicable _____

By: _____ _____
Signature Title

Date: _____

Third Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

DBE Contractor ROADSIDE, INC.

By: _____ PRESIDENT
Signature Title

Date: 2/12/13

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
CERTIFICATION OF BINDING AGREEMENT
WITH
DISADVANTAGED BUSINESS ENTERPRISE FIRMS

Project No.: 0395-100-722, 0395-100-736

Federal Project No.: IM-5A01(363), NH-5A01(363), pending

This form is to be submitted in accordance with the Department's Special Provision for Section 107.15.

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TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM

Prime Contractor Shirley Contracting Company, LLC

By: _____ President/CEO
Signature Title

Date: 2/13/13

First Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

Second Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

Third Tier Subcontractor if Applicable _____

By: _____ _____
Signature Title

Date: _____

DBE Contractor TAVARES CONCRETE CO, INC.

By: _____ VICE PRESIDENT
Signature Title

Date: 2/12/13

Form C-111
Rev. 2-15-11

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF TRANSPORTATION
MINIMUM DBE REQUIREMENTS

PROJECT NO. 0395-100-722, 0395-100-736

FHWA NO. IM-5A01(362), NH-5A01(363), pending

*** * * INSTRUCTIONS * * ***

THIS FORM CAN BE USED BY THE CONTRACTOR TO SUBMIT THE NAMES OF DBE FIRMS TO BE UTILIZED ON THE PROJECT. THE CONTRACTOR SHALL INDICATE THE DESCRIPTION OF THE CATEGORY (S, M, SP or H) AND THE TYPE OF WORK THAT EACH DBE WILL PERFORM AND THE ALLOWABLE CREDIT PER ITEM(S). ADDITIONAL SHEETS TO SHOW THE ALLOWABLE CREDIT PER ITEM MAY BE ATTACHED IF NECESSARY. **PLEASE NOTE:** THE AMOUNT OF ALLOWABLE CREDIT FOR A DBE SUPPLIER IS 60% OF THE TOTAL COST OF THE MATERIALS OR SUPPLIES OBTAINED AND 100% FOR A DBE MANUFACTURER OF THE MATERIALS AND SUPPLIES OBTAINED. A CONTRACTOR MAY COUNT 100% OF THE FEES PAID TO A DBE HAULER FOR THE DELIVERY OF MATERIALS AND SUPPLIES TO THE PROJECT SITE, BUT NOT FOR THE COST OF THE MATERIALS AND SUPPLIES THEMSELVES.

DBE REQUIREMENT 20.0 %

PERCENT ATTAINED BY BIDDER 20.04 %

NAMES(S) AND CERTIFICATION NO. OF DBE(S) TO BE USED	USED AS SUBCONTR. (S) MFG. (M) SUPPLIER (SP) HAULER (H)	TYPE OF WORK AND ITEM NO(S)	$ AMOUNT OF ALLOWABLE CREDIT PER ITEM
SEE ATTACHMENT			
		TOTAL	$

TOTAL CONTRACT VALUE $55,867,000 x REQUIRED DBE 20.0 % = $ 11,173,400.—

I/WE CERTIFY THAT THE PROPOSED DBE(S) SUBMITTED WILL BE USED ON THIS CONTRACT AS STATED HEREON AND ASSURE THAT DURING THE LIFE OF THE CONTRACT. I/WE WILL MEET OR EXCEED THE PARTICIPATION ESTABLISHED HEREON BY THE DEPARTMENT.

Shirley Contracting Company, LLC
BIDDER

BY
SIGNATURE

Pres/CEO/Mgr
TITLE

BY 2/13/13.
DATE