

# PRICE PROPOSAL

ORIGINAL

## I-581/VALLEY VIEW BOULEVARD INTERCHANGE PHASE II

From: ~0.240 Mi. S. Route 101 (Hershberger Road)  
To: ~1.561 Mi. S. Route 101 (Hershberger Road)  
City of Roanoke, Virginia

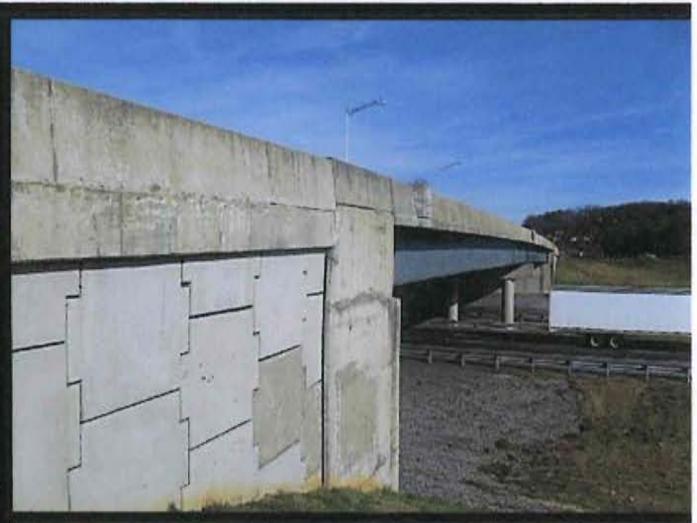


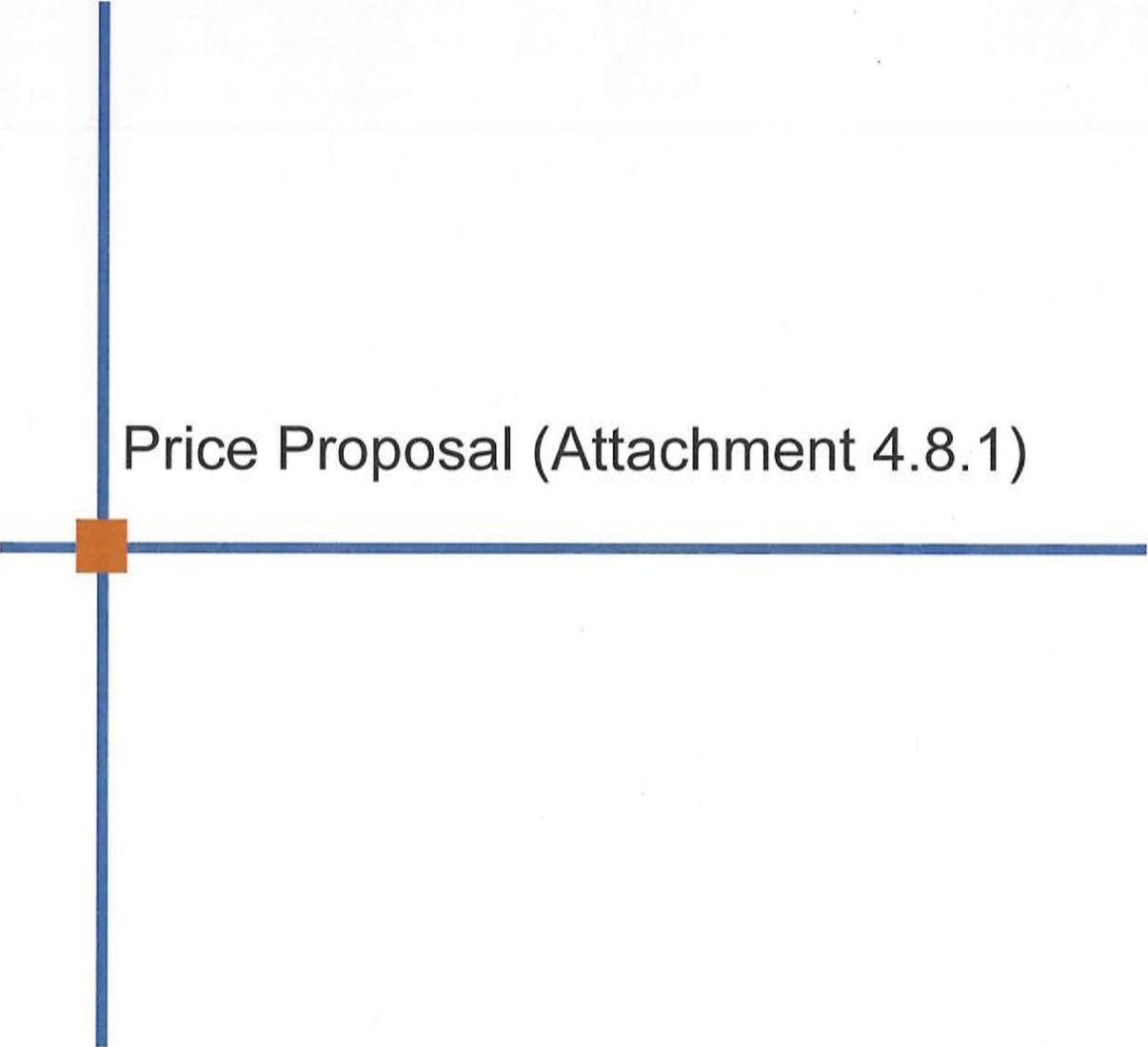
State Project No.: 0581-128-109, P101, RW201, C501, B627  
Federal Project No.: NH-581-5(035)  
Contract ID Number: C00016595DB45

This proposal has been prepared  
by:



*Key Construction Company, Inc.*





Price Proposal (Attachment 4.8.1)



*Key Construction Company, Inc.*



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**ATTACHMENT 4.8.1**

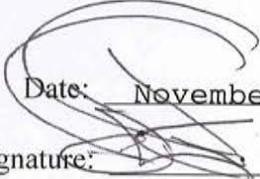
**PRICE PROPOSAL FORM**

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

.1 Proposal Price;

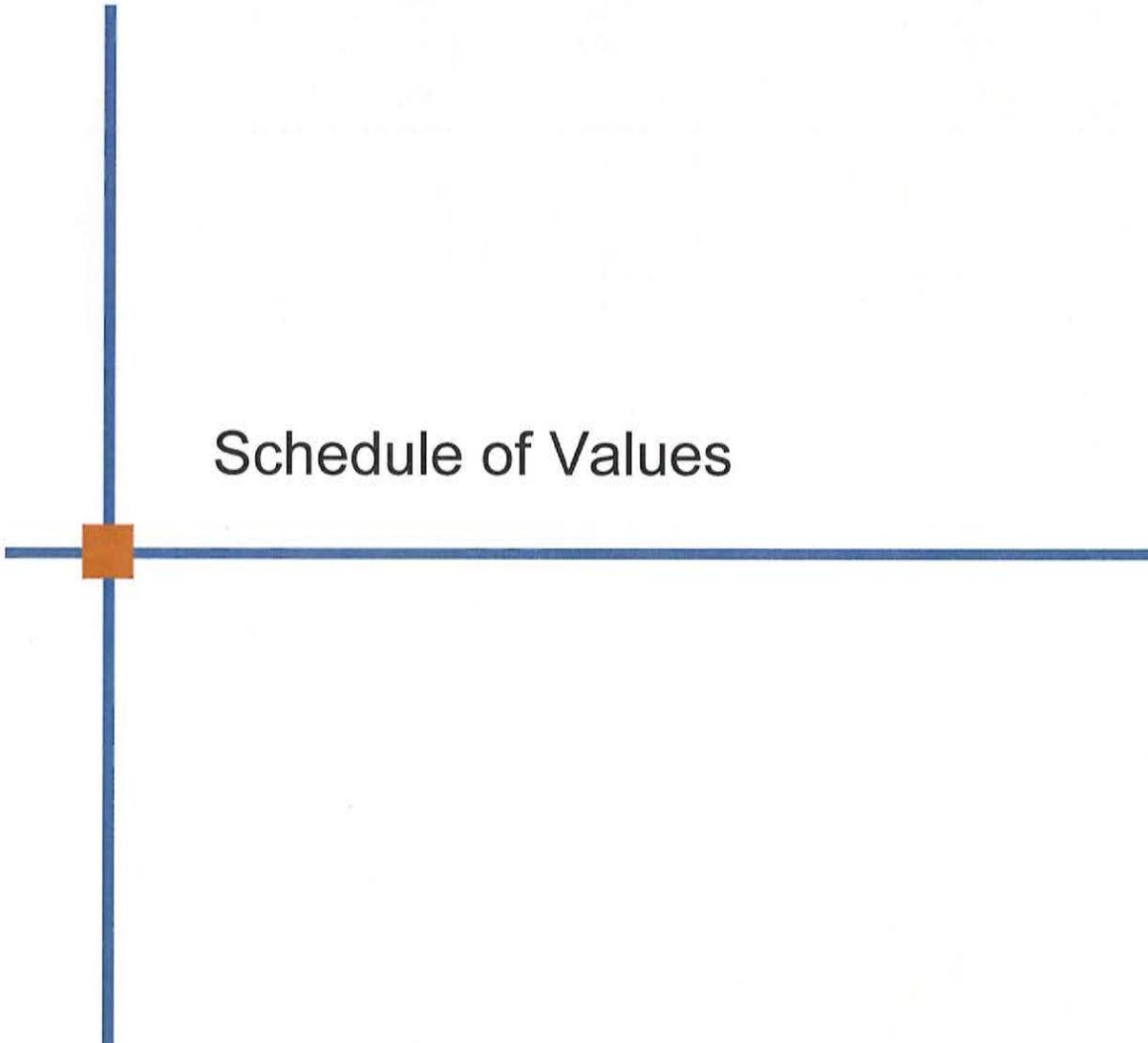
Lump Sum Forty-One Million Two Hundred Eight Thousand  
Six Hundred Thirty-Four Dollars and  
Seventy-Nine Cents (\$ 41,208,634.79)

Date: November 7, 2012

Signature:  Mark W. Nunn, CEO

Design-Builder: Key Construction Company, Inc.

Vendor No.: K006



# Schedule of Values



*Key Construction Company, Inc.*



**JOHNSON, MIRMIRAN & THOMPSON**  
*Engineering A Brighter Future®*

**Key Construction Co., Inc.**  
**I-581 Valley View Boulevard Interchange Phase II**  
**Itemized Schedule of Quantities & Work Package Values**

**General Conditions**

21	Project Management	LS	1
120	Construction Surveying	LS	1
130	Field Office Ty. I (Modified per SP)	MO	36
140	Progress Schedule Baseline	LS	1
150	Progress Schedule Updates	EA	36
2197	Project Access & Storage Yard	MO	30
2198	Construction Access & Yards	LS	1

**Subtotal General Conditions**

**\$1,516,140.57**

3320	<b>Environmental Services</b>		
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**\$428,319.26**

**Geotechnical Services**

3440	Additional Geotechnical Borings	LS	1
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**Subtotal Geotechnical Services**

**\$21,203.92**

**"Dry" Utility Items**

3860	Relocation Cost For Appalachian Power	LS	1
3870	Relocation Cost For Verizon	LS	1
3925	Relocation for Roanoke City Utilities	LS	1

**Subtotal "Dry" Utility Items**

**\$127,500.00**

**Project Wide Traffic & Misc. General Conditions**

5100	Portable Changeable Message Signs	EA	4
5105	Towing Service Cost	LS	1
5106	Loader Requirement	LS	1
5107	Damage Recovery User Cost	LS	1
5108	Safety Service Patrol	LS	1
5109	Backup Vehicle	LS	1
5110	Pedestrian Plan	LS	1
5120	City of Roanoke Police	HRS	500

**Subtotal Project Wide Traffic & Misc. General Conditions**

**\$511,931.71**

**Engineering Services**

7010	Right Of Way Acquisition Management	LS	1
7020	Utility Coord.	LS	1
7030	QA Services (with DBT & TL-142)	LS	1
7035	QC Services	LS	1
7040	Public Relations	LS	1
7050	Scope Validation	LS	1

7060	Preliminary Engineering	LS	1
7070	Final Engineering	LS	1
7080	Consultation During Construction	LS	1

**Subtotal Engineering Services**

**\$5,286,002.18**

10	General Construction Mobilization	LS	1
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**General Construction Mobilization Subtotal**

**\$1,095,257.42**

**Stream Relocation**

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10080	Survey/Layout Stream	LS	1
10220	Demo Houses	LS	1
10280	Demo 4' Chainlink Fence	LF	700
10290	Demo 4' Wooden Fence	LF	180
10130	Silt Fence	LF	1000
10140	Super Silt Fence	LF	3100
10150	Tree Protection Fence	LF	800
10160	Construction Entrance	EA	1
10170	Rock Check Dam Type I	EA	10
10200	Diversion Dike	LF	1000
10210	Clear & Grub	LS	1
10121	Temporary Lighting	LS	1
10122	Temporary Work Bridge	LS	1
10300	Temporary Pedestrian Bridge & Pathway	EA	2
10412	Path Lighting At Stream	LS	1
10310	Utility Relocation	LS	1
10240	Demo Curb	LF	140
10250	Demo Existing Path	SY	2110
10260	Saw Cut	LF	30
10270	Demo Pavement (Morris Ave)	SY	830
10370 *	Stream Channel Excavation	CY	8300
10372	Stream Diversion	LS	1
10470	15" RCP (Morris Ave)	LF	90
10472	Post Installation Inspection	LF	90
10480	DI-2B (Morris Ave)	EA	2
10481	15" EW-1	EA	1
10490	Rip Rap Outlet Protection (Morris Ave)	TON	10
10090	Construction Signs (Morris Ave)	SY	48
10100	Type III Barricades (Morris Ave)	EA	3
10110	Group II Channelizing Devices	DAY	1000
10120 *	Crusher Run Aggregate #25 or #26	TON	75
10320 *	Strip & Stockpile Topsoil For 581 SB	CY	900
10330 *	Srip & Waste Topsoil @ Path	CY	1000
10340 *	Cut To Fill @ Path	CY	2700
10350 *	Borrow @ Path	CY	74000
10180	Permanent Seeding	AC	8
10190	Temporary Seeding	AC	3
10360 *	Respread Topsoil Class B	CY	2600

10380	Stream Environmental Improvements	LS	1
10381	Imbricated Rip Rap	TON	250
10450	Landscape/Planting	LS	1
10460	Excavation (Morris Ave)	CY	250
10530	Curb & Gutter (Morris Ave)	LF	260
10390	Subgrade Path	SY	4950
10400 *	Base Stone Path	TON	1470
10410 *	Surface Asphalt Path	TON	325
10230	Demo Sidewalk	SY	80
10540	Stone Under Sidewalk (Morris Ave)	TON	35
10550	Sidewalk (Morris Ave)	SY	120
10510	Subgrade (Morris Ave)	SY	570
10520 *	Base Stone (Morris Ave)	TON	240
10560 *	Base Asphalt (Morris Ave)	TON	111
40010	Pedestrian Bridge - Substructure	LS	1
40020	Pedestrian Bridge - Superstructure	LS	1
10440	6' Chainlink Fence	LF	3100
10441	54" Chain Link Fence	LF	2450
10570 *	Intermediate Asphalt (Morris Ave)	TON	84
10580 *	Surface Asphalt (Morris Ave)	TON	42
10590	Type B Class I Pavement Markings 4"	LF	300

**Stream Relocation Subtotal**

**\$2,386,743.10**

**Phase I**

**Retaining Wall**

50010	Retaining Wall #1 - Mobilization	1	LS
50030	Retaining Wall #1 -Retaining Wall Excav. & Access	800	CY
50035	Retaining Wall #1 - Rip Rap	800	TONS
50040	Retaining Wall #1 - Posts	3205	LF
50050	Retainng Wall #1 - Panels	9840	SF
50055	Retaining Wall #1 - Porous Backfill	325	CY
50060	Retaining Wall #1 - Fence/Railing	1100	LF

**Subtotal Retaining Wall**

**\$1,165,403.54**

**I-581 NB Sta. 223+50 - 236+00**

2040	Rip Rap Outlet Protection	TON	50
2060	Permanent Seeding	AC	1
2070	Temporary Seeding	AC	1
1920	Construction Signs	SF	128
1930	Group II Channelizing Devices	DAY	4410
1940	Arrow Board	HR	2160
2080	Construction Signs	SY	32
1990	Silt Fence	LF	1000
2000	Tree Protection Fence	LF	800
2010	Construction Entrance	EA	1

2020	Inlet Protection	EA	6
2030	Rock Check Dam Type I	EA	2
1960	Temporary Concrete Barrier	LF	2655
1970	Impact Attenuator	EA	4
1980	Warning Light Type B	DAY	300
2090	Demo 6' Chainlink Fence	LF	450
2100	Demo Guardrail @ I-581 Bridge	LF	1530
2110	Demo Single Post Signs	EA	6
2120	Demo Single Pole Overhead Sign	EA	1
2130	Saw Cut	LF	980
2140	Demo Asphalt	SY	1769
2150	Demo Double 54" EW-1	EA	1
2160 *	Strip & Stockpile Topsoil	CY	280
2170 *	Strip & Haul To Ramp Z SWMB	CY	330
2180 *	Cut To Fill	CY	2100
2190 *	Borrow	CY	2800
2200 *	Respread Topsoil	CY	280
2210	15" EW-1	EA	3
2220	54" Double EW-2	EA	1
2230	DI-5	EA	2
2240	DI-7	EA	1
2250	DI-10G	EA	1
2260	DI-10H	EA	2
2270	15" Pipe	LF	212
2280	18" Pipe	LF	52
2290	54" Pipe	LF	32
2292	Post Installation Inspection	LF	296
2310 *	Select Material	CY	580
2320 *	Base Stone	TON	1246
2330	Underdrain UD-4	LF	1220
2340	EW-12	EA	4
2350	Outlet Pipe	LF	80
2360 *	Base Asphalt	TON	1355
2370 *	Intermediate Asphalt	TON	452
2380 *	MC-3B	LF	50
2420 *	Surface Asphalt	TON	305
2390	GR-2	LF	55
2400	GR-11	EA	1
2410	FOA-2, Ty II	EA	1
2430	Type B Class I Pavement Marking, 6" Wide	LF	1600
2300	Subgrade	SY	2850
2440	Signs I-581 NB Phase I	LS	1

**Subtotal I-581 NB Sta. 223+50 - 236+00**

**\$663,757.88**

**Sound Barrier Walls #4 & #5, Northbound I-581**

2590	Silt Fence	LF	4600
2600	Permanent Seeding	AC	2

2610	Temporary Seeding	AC	1
2550	Construction Signs	SF	16
2560	Temporary Concrete Barrier	LF	2150
2570	Impact Attenuators	EA	2
2580	Warning Light Type B	DAY	75
2630	Demo Guardrail	LF	1540
2640	Demo 6' Chainlink Fence	LF	920
2540	Sound Barrier Wall I-581 NB	SF	71380
2620	Saw Cut Shoulder	LF	2150
2650	Demo Asphalt Shoulder	SY	1060
2651	15" Pipe	LF	1520
2652	18" Pipe	LF	504
2653	DI-10G	EA	8
2660 *	Strip & Stockpile Topsoil	CY	650
2670 *	Shoulder Excavation (2150' long x 7' wide)	CY	560
2672	MB-7F	LF	2610
2678	PG-2A	SY	150
2680 *	Respread Topsoil	CY	650
2690	Subgrade Shoulder	SY	1505
2700 *	Base Stone Shoulder	TON	516
2710 *	Base Asphalt Shoulder	TON	337
2720 *	Surface Asphalt Shoulder	TON	169
2730	GR-2	LF	320
2740	GR-7	EA	1
2750	FOA-2, Ty I	EA	1
2760	FOA-2, Ty II	EA	1
2770	Type B Class I Pavement Marking, 6" Wide	LF	2150
2780	6' Chainlink Fence	LF	920

**Subtotal Sound Barrier Walls #4 & #5, Northbound I-581**

**\$3,018,471.37**

**Ramp Y Sta. 10+00 - 22+75 Right**

1030	Silt Fence	LF	1800
1040	Construction Entrance	EA	1
1050	Inlet Protection	EA	6
1060	Rock Check Dam Type I	EA	4
1070	Rip Rap Outlet Protection	TON	12
1080	Permanent Seeding	AC	2
1090	Temporary Seeding	AC	2
1100	Construction Signs	SF	168
1110	Temporary Concrete Barrier	LF	1620
1120	Warning Light Type B	DAY	75
1450	Re-set Temporary Concrete Barrier	LF	1620
1130	Clear & Grub Phase I	AC	2
1210	18" EW-1	EA	1
1220	DI-7	EA	6
1230	18" Pipe	LF	386
1240	24" Pipe	LF	52

1242	Post Installation Inspection	LF	438
1140	Strip & Stockpile Topsoil	CY	780
1150 *	Cut To Fill	CY	3700
1160 *	Borrow	CY	9100
1170 *	Respread Topsoil	CY	780
1270 *	Select Material	CY	855
1280 *	Base Stone Roadway	TON	1895
1290 *	Temporary Base Stone	TON	345
1300	Underdrain UD-4	LF	1110
1310	EW-12	EA	3
1320	Outlet Pipe	LF	60
1330 *	Temporary Asphalt	TON	240
1340 *	Base Asphalt	TON	1800
1350 *	Intermediate Asphalt	TON	450
1360 *	MC-3B	LF	275
1370	Eradication	LF	800
1380	Temporary Pavement Marking	LF	6700
1390	Temporary Signage	SF	32
1400	Temporary Guardrail	LF	160
1410	Temporary GR-11	EA	1
1420	GR-2	LF	240
1430	GR-7	EA	1
1440	6' Chainlink Fence	LF	850
1180	Saw Cut	LF	300
1190	Demo Asphalt Top of Ramp Y (VV)	SY	230
1200	Demo Guardrail	LF	570
1250	Subgrade	SY	4865
1260	Subgrade Temporary Pavement	SY	770

**Subtotal Ramp Y Sta. 10+00 - 22+75 Right**

**\$698,629.74**

**Ramp Z Temporary Asphalt Widening**

1520	Silt Fence	LF	1500
1530	Construction Entrance	EA	1
1540	Inlet Protection	EA	7
1550	Rip Rap Outlet Protection	TON	20
1570	Temporary Seeding	AC	4
1580	Construction Signs	SY	32
1700	Group II Channelizing Devices	DAY	10050
2870	Temporary Pavement Marking	LF	4010
2880	Group II Channelizing Devices	DAY	500
2890	Construction Signs	SF	16
2900	Eradication	LF	430
2910	Demo Concrete Barrier	LF	1635
2920	Temporary Concrete Barrier	LF	3645
2930	Warning Light Type B	DAY	90
2940	Demo Guardrail	LF	430
2950	Subgrade Temporary Path	SY	1050

2960	Temporary Path Base Stone	TON	460
2970	Temporary Path Asphalt	TON	100
2980	Temporary Fence	LF	770
1630 *	Excavate SWMB	CY	36000
1640 *	Clay Liner SWMB	CY	5000
1650	Forebay In SWMB	LF	50
1660 *	Topsoil SWMB	CY	1300
1670 *	Excavation Ramp Z (Temp Pavement)	CY	1925
1600	Demo Existing Storm Structure	EA	1
1610	Demo Existing Headwall	EA	2
1620	Flowable Fill	CY	35
1730	15" EW-1	EA	1
1740	30" EW-1	EA	1
1750	Manholes	EA	6
1760	SWM-1	EA	1
1770	15" Pipe	LF	40
1780	30" Pipe	LF	985
1782	Post Installation Inspection	LF	1025
1800 *	Base Stone Ramp Z Temp Roadway	TON	1590
1810 *	Asphalt Ramp Z Temporary Roadway	TON	1585
1680	Eradication	LF	1310
1690	Temporary Pavement Marking	LF	1310
1820	Pavement Marking Ramp Z Temporary Roadway	LF	3660
1830	Signage Ramp Z Temporary Roadway	SF	32
1710	Demo Concrete Barrier	LF	1020
1860	Demo Concrete Barrier Ramp Z	LF	1250
1720	Saw Cut	LF	1305
1790	Subgrade Ramp Z Temp. Roadway	SY	3600

**Subtotal Ramp Z Temporary Asphalt Widening**

**\$958,687.60**

10	Bridge Mobilization	LS	1
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**Subtotal Bridge Mobilization**

**\$455,325.19**

**Existing Bridge Repairs**

6270030	PH0 - Superstructure Patching	106	SY
6270040	PH0 - Crack Injection	195	LF
6270050	PH0 - Struct Steel Rep CF-1 Diaph & 2 Connectors	14	EA
6270060	PH0 - Struct Steel Rep - Detail 2 Repairs Stiff.	2	EA
6270070	PH0 - Struct Steel Rep - Detail 3 Splice Plate - G	8	EA

**Subtotal Existing Bridge Repairs**

**\$224,726.89**

**Phase I Bridge**

6271000	PH1 - Mobilization	1	LS
6271010	PH1 - Construction Access	3	EA
6274130	ACCESS FOR FINAL INSPECTION	4	DAY
6274140	ASBESTOS INSPECTION	1	LS
6275000	ACCESS FOR FINAL INSPECTION	4	DAY

6275010	ASBESTOS INSPECTION	1	LS
6275020	LANE CLOSURES ON I-581	1	LS
6275030	LANE CLOSURES ON Valley View	1	LS
9999910	HOTEL & PER DIEM	1	LS
6271020	PH1 - MB-10A Single Face Par. Bar.1	560	LF
6271030	PH1 -Impact Atten. 35 MPH	2	EA
6271040	PH1 - Superstr. Demo.	1	LS
6271050	PH1 - Existing Median Barrier Removal	480	LF
6271060	PH1 - Abut A Shoring - behind ftgs & b/w	175	SF
6271070	PH1 - Abut B Shoring - behind ftgs	175	LS
6271080	PH1 - Pier 1 Cofferdam	1	LS
6271090	PH1 - Structure Excavation	288	CY
6271100	PH1 - Dynamic Pile Anal.	3	EA
6271110	PH1 - Test Pile HP12x53	157	LF
6271120	PH1 - HP12x53 Pile Tips	32	EA
6271130	PH1 - HP12x53	855	LF
6271140	PH1 - MSE Wall	2500	SF
6271145	PH1 - MSE Wall Coping	150	LF
6271147	PH1 - MSE Moment Slab	45	LF
6271150	PH1 - Substr. Concr. CL A3	135	CY
6271160	PH1 - Substr. Reinf. Steel - Plain	19300	LBS
6271170	PH1 - Substr. Reinf. Steel - MMFX	0	LBS
6271180	PH1 - Porous Backfill	48	CY
6271190	PH1 - Pipe Underdrain 6"	130	LF
6271200	PH1 - Select Mat'l TY. 1 Min. CBR 30	612	TONS
6271210	PH1 - Concrete Slope Protection	200	SY
6271220	PH1 -Structural Steel	1	LS
6271225	PH1 - Telephone Conduit System - 3" Diam (2x2)	1	LS
6271230	PH1 - Superstr. Conc. Cl. A4	216	CY
6271240	PH1 - Superstr. Reinf. Steel - MMFX	47443	LBS
6271250	PH1 - BR-27C - 1 Rail	294	LF
6271260	PH1 - Appr. Slab Conc. Cl. A4	56	CY
6271270	PH1 - Appr. Slab. Reinf. Stl.	10235	LBS
6271280	PH1 - Epoxy Concrete Overlay	0	SY
6271290	PH1 - MB-10A Single Face Par. Bar.	560	LF
6271300	PH1 -Impact Atten. 35 MPH	2	EA
6271310	PH1 - Demobilization	1	LS

**Subtotal Phase I Bridge**

**\$1,946,152.87**

**Northbound I-581 Shoulder Sta. 217+00 TO 223+50**

3070	Silt Fence	LF	1400
3080	Construction Entrance	EA	1
3090	Rock Check Dam Type I	EA	2
3100	Permanent Seeding	AC	1.5
3110	Temporary Seeding	AC	1
3130	Re-set Temp Concrete Barrier NB I-581	LF	1055
3140	Re-set Impact Attenuators	EA	1

3150	Warning Light Type B	DAY	90
3180 *	Strip & Stockpile Topsoil	CY	50
3190 *	Cut To Fill	CY	250
3200 *	Respread Topsoil	CY	50
3120	Clear & Grub Phase II	AC	8
3210	Subgrade NB-581	SY	1452
3220 *	Select Material	CY	295
3230 *	Base Stone	TON	638
3240	Underdrain UD-4	LF	700
3250	EW-12	EA	2
3260	Outlet Pipe	LF	40
3170	Demo Asphalt	SY	900
3270 *	Base Asphalt	TON	698
3160	Saw Cut	LF	690
3280 *	Intermediate Asphalt	TON	233
3290 *	Surface Asphalt	TON	155
3300	Type B Class I Pavement Marking, 6" Wide	LF	800

**Subtotal Northbound I-581 Shoulder Sta. 217+00 TO 223+50**

**\$266,096.34**

**I-581 Southbound Sta. 220+00 - 236+00**

3370	Silt Fence	LF	3100
3380	Tree Protection Fence	LF	1500
3390	Construction Entrance	EA	1
3400	Inlet Protection	EA	6
3410	Rock Check Dam Type I	EA	1
3420	Rip Rap Outlet Protection	TON	75
3440	EC-3	SY	800
3450	Permanent Seeding	AC	1.5
3460	Temporary Seeding	AC	1
3470	Construction Signs	SF	128
3480	Group II Channelizing Devices	DAY	4410
3490	Arrow Board	HR	2160
3510	Temporary Concrete Barrier	LF	1600
3520	Warning Light Type B	DAY	75
3530	Demo Guardrail	LF	1750
3540	Demo 6' Chainlink Fence	LF	1360
3550	Demo Single Post Sign	EA	5
3560	Demo Dual Beam Sign	EA	2
3570	Saw Cut	LF	2190
3580	Demo Asphalt	SY	4508
3630 *	Strip & Stockpile Topsoil	CY	500
3640 *	Cut To Fill	CY	2500
3650 *	Borrow	CY	2600
3660 *	Respread Topsoil	CY	500
3590	Flowable Fill	CY	9
3600	Demo Existing Storm Structure	EA	1
3610	Demo Existing Headwall (One is 54" Double)	EA	3

3620	Outfall Channel Excavation (875' Long Sheet 7B)	CY	70
3670	15" EW-1	EA	3
3680	18" EW-1	EA	3
3690	42" EW-1	EA	2
3700	54" Double EW-2	EA	1
3710	DI-2B	EA	1
3720	DI-2C	EA	1
3730	DI-7	EA	1
3740	DI-10H	EA	3
3750	15" Pipe	LF	134
3760	18" Pipe	LF	42
3770	18" Jacked Pipe	LF	105
3780	30" Pipe	LF	10
3790	30" Jacked Pipe	LF	184
3800	42" Pipe	LF	103
3810	54" Pipe	LF	12
3812	Post Installation Inspection	LF	590
3820	Subgrade	SY	7227
3830 *	Select Material	CY	1470
3840 *	Base Stone	TON	3108
3850	Underdrain UD-4	LF	2290
3860	EW-12	EA	6
3870	Outlet Pipe	LF	120
3880 *	Base Asphalt	TON	3213
3890 *	Intermediate Asphalt	TON	1070
3900 *	MC-3B	LF	900
3940 *	Surface Asphalt	TON	772
3910	GR-2	LF	900
3920	GR-7	EA	1
3930	FOA-2, Ty II	EA	1
3950	6' Chainlink Fence	LF	115
3960	Remove/Relocate Message Board	LS	1
3970	Type B Class I Pavement Marking, 6" Wide	LF	2400
3972	Signs I-581 SB Phase II	LS	1

**Subtotal I-581 Southbound Sta. 220+00 - 236+00**

**\$1,322,406.38**

**Sound Barrier Walls #6 & #7 Southbound I-581**

4690	Sound Barrier Wall I-581 SB	SF	55740
4770	Saw Cut Shoulder	LF	2600
4790	Demo 6' Chainlink Fence	LF	510
4800	Demo Asphalt Shoulder	SY	1240
4801	15" Pipe	LF	1512
4802	18" Pipe	LF	504
4803	DI-10G	EA	8
4810 *	Shoulder Excavation (2600' long x 7' wide)	CY	680
4812	MB-7F	LF	3150
4820	Subgrade Shoulder	SY	1820

4830 *	Base Stone Shoulder	TON	626
4840 *	Base Asphalt Shoulder	TON	408
4850 *	Surface Asphalt Shoulder	TON	204
4860	Ty B Class I, 6" Wide	LF	2600
4870	6' Chainlink Fence	LF	510
4740	Silt Fence	LF	3800
4750	Permanent Seeding	AC	2
4760	Temporary Seeding	AC	1
4700	Reset Construction Signs	LS	1
4710	Re-set Temporary Concrete Barrier	LF	2800
4720	Re-set Impact Attenuators	EA	2
4730	Warning Light Type B	DAY	180
4780	Demo Guardrail SB I-581 Sound Barrier Wall	LF	2230

**Subtotal Sound Barrier Walls #6 & #7 Southbound I-581**

**\$2,411,023.30**

**Ramp Y Sta. 19+00 - 24+70 Left**

4260	Silt Fence	LF	1400
4270	Construction Entrance	EA	1
4280	Inlet Protection	EA	8
4290	Rock Check Dam Type I	EA	2
4300	Permanent Seeding	AC	1.5
4310	Temporary Seeding	AC	0.5
4240	Group II Channelizing Devices	DAY	900
4250	Construction Signs	SF	16
4320	Demo Single Post Sign	EA	7
4330	Demo Guardrail	LF	650
4340	Demo Asphalt	SY	2961
4350	Demo Concrete Barrier	LF	270
4360 *	Strip & Stockpile Topsoil	CY	150
4370 *	Cut To Fill	CY	200
4380 *	Borrow	CY	3300
4390 *	Respread Topsoil (Some From Ph I)	CY	320
4400	DI-2AA	EA	1
4410	DI-2B	EA	1
4420	DI-7	EA	3
4430	Modify Existing Manhole	EA	2
4440	Manholes	EA	1
4450	15" Pipe	LF	205
4460	18" Pipe	LF	150
4470	24" Pipe	LF	617
4472	Post Installation Inspection	LF	972
4480	Subgrade	SY	2189
4490 *	Select Material	CY	400
4500 *	Base Stone	TON	935
4510	Underdrain UD-4	LF	650
4520	EW-12	EA	3
4530	Outlet Pipe	LF	60

4540 *	Base Asphalt	TON	837
4550 *	Intermediate Asphalt	TON	209
4560 *	MC-3B	LF	625
4570	GR-2	LF	610
4580	Radial GR-2	LF	60
4590	GR-7	EA	1
4600	FOA-1, Ty II	EA	1
4610	Eradication	LF	700
4620	Temporary Pavement Marking	LF	5330

**Subtotal Ramp Y Sta. 19+00 - 24+70 Left**

**\$331,638.39**

**Valley View Tie-In at Sta. 329+90**

4060 *	Strip & Respread Topsoil @ Ramp Z Pond	CY	350
4070 *	Borrow	CY	400
4080 *	Respread Topsoil Class B	CY	270
4040	Demo Existing Storm Pipe	LF	299
4050	Demo Existing Storm Structures	EA	3
4090	Demo Guardrail Ramp Valley View	LF	70
4100	Subgrade	SY	1085
4110	Underdrain UD-4	LF	70
4120 *	Select Material	CY	231
4130 *	Base Stone	TON	497
4140	CG-7	LF	35
4150	Radial CG-7	LF	50
4160 *	Base Asphalt	TON	485
4170 *	Intermediate Asphalt	TON	121

**Subtotal Valley View Tie-In at Sta. 329+90**

**\$96,971.81**

**Phase IIA**

**Ramp Y Sta. 22+74 - 25+62**

5030	Impact Attenuator	EA	1
5040	Re-set Temporary Concrete Barrier	LF	700
5080	Demo 6' Chainlink Fence	LF	880
5110	Demo Temp Guardrail	LF	265
5140	Demo Asphalt Ramp Y	SY	1194
5090 *	Cut To Fill	CY	100
5300	Subgrade	SY	516
5330 *	Select Material	CY	112
5360 *	Base Stone	TON	267
5390	Underdrain UD-4	LF	187
5450 *	Base Asphalt	TON	234
5480 *	Intermediate Asphalt	TON	56
5510 *	MC-3B	LF	250
5520	GR-2	LF	170
5530	Radial GR-2	LF	110

5540	GR-11	EA	1
5590	Temporary Pavement Marking	LF	130

**Subtotal Ramp Y Sta. 22+74 - 25+62**

**\$89,555.69**

**Valley View Blvd. Sta. 331+00 - 339+36**

4960	Silt Fence	LF	500
4970	Tree Protection Fence	LF	200
4980	Construction Entrance	EA	1
4990	Inlet Protection	EA	5
5000	Rock Check Dam Type I	EA	2
5010	Permanent Seeding	AC	1
5020	Temporary Seeding	AC	0.5
5050	Group II Channelizing Devices	DAY	3600
5051	Arrow Board	HR	2880
5053	Modify Signal	LS	1
5060	Type III Barricades	EA	2
5070 *	Crusher Run Aggregate #25 or #26	TON	50
5090	Demo Single Post Sign	EA	8
5100	Demo Exist Junction Box	EA	1
5120	Demo Curb	LF	840
5130	Saw Cut	LF	1100
5200 *	Strip & Respread Topsoil @ Ramp Z Pond	CY	350
5210 *	Cut To Fill	CY	2900
5211 *	Cut To Waste	CY	500
5220 *	Borrow	CY	1600
5230 *	Respread Topsoil Class B	CY	270
5180	Demo Existing Storm Pipe	LF	672
5190	Demo Existing Storm Structures	EA	3
5240	DI-2B	EA	1
5250	DI-3B	EA	2
5260	DI-5	EA	1
5270	DI-7	EA	1
5280	15" Pipe	LF	502
5290	18" Pipe	LF	171
5292	Post Installation Inspection	LF	673
5241	Subgrade	SY	2704
5242 *	Select Material	CY	448
5243 *	Base Stone	TON	1138
5244	Underdrain UD-4	LF	1368
5420	EW-12	EA	3
5430	Outlet Pipe	LF	60
5440	CG-6	LF	915
5441 *	Base Asphalt	TON	936
5442 *	Intermediate Asphalt	TON	235
5550	6' Chainlink Fence	LF	750
5590	Temporary Pavement Marking	LF	1170

**Subtotal Valley View Blvd. Sta. 331+00 - 339+36**

**\$359,543.64**

## Phase III

### Phase III Bridge

6273000	PH3 - Mobilization	1	LS
6273010	PH3 - MB-10A Single Face Par. Bar. (Elm)	0	LF
6273020	PH3 -Impact Atten. 35 MPH (Elm)	0	EA
6273030	PH3 - Superstr. Demo.	1	LS
6273040	PH3 - Abut A Shoring	250	SF
6273050	PH3 - Abut B Shoring	250	SF
6273060	PH3 - Pier 1 Cofferdam	1	LS
6273070	PH3 - Structure Excavation	325	CY
6273080	PH3 - Dynamic Pile Anal.	3	EA
6273090	PH3 - Test Pile HP12x53	157	LF
6273100	PH3 - HP12x53 Pile Tips	32	EA
6273110	PH3 - HP12x53	1068	LF
6273120	PH3 - MSE Wall	3675	SF
6273125	PH3 - MSE Wall Coping	200	LF
6273127	PH3 - MSE Moment Slab	55	LF
6273130	PH3 - Substr. Concr. CL A3	157	CY
6273140	PH3 - Substr. Reinf. Steel - Plain	22140	LBS
6273150	PH3 - Substr. Reinf. Steel - MMFX	0	LBS
6273160	PH3 - Concrete Slope Protection	200	SY
6273170	PH3 - Structural Steel	1	LS
6273180	PH3 - Superstr. Conc. Cl. A4	354.2	CY
6273190	PH3 - Superstr. Reinf. Steel - MMFX	77925	LBS
6273200	PH3 - BR-27D - 3 Rail	295	LF
6273210	PH3 - Pedestrian Fence	295	LF
6273220	PH3 - Appr. Slab Conc. Cl. A4	45	CY
6273230	PH3 - Appr. Slab. Reinf. Stl.	8325	LBS
6273240	PH3 - Epoxy Concrete Overlay	0	LF
6273250	PH3 - MB-10A Single Face Par. Bar.	535	LF
6273260	PH3 -Impact Atten. 35 MPH	1	EA
6273270	PH3 - Demobilization	1	LS

**Subtotal Phase III Bridge**

**\$1,931,106.56**

### Valley View Blvd. Sta. 331+00 - 339+36

5800	Crusher Run Aggregate #25 or #26	TON	100
5810	Silt Fence	LF	1100
5820	Construction Entrance	EA	2
5830	Inlet Protection	EA	5
5840	Rock Check Dam Type I	EA	4
5850	Permanent Seeding	AC	0.5
5860	Temporary Seeding	AC	0.5
5690	Re-set Construction Signs	LS	1
5700	Construction Signs	SF	16

5710	Group II Channelizing Devices	DAY	10920
5720	Arrow Board	HR	2880
5731	Temporary Lighting	LS	1
5740	Modify Signal	LS	1
5750	Eradication	LF	1300
5760	Temporary Pavement Marking	LF	1450
5790	Type III Barricades	EA	2
5770	Re-set Temporary Concrete Barrier	LF	2425
5780	Reset Impact Attenuator	EA	1
5870	Demo 4' Chainlink Fence on Concrete Barrier	LF	1040
5880	Demo 5' Chainlink Fence on Concrete Barrier	LF	380
5890	Demo 6' Chainlink Fence	LF	390
5900	Demo Single Post Sign	EA	7
5910	Demo Trail Lights	EA	14
5920	Demo Curb Valley View	LF	1500
5930	Demo Sidewalk	SY	240
5940	Saw Cut	LF	2220
5950	Demo Asphalt	SY	6520
5990 *	Strip & Respread Topsoil @ Ramp Z Pond	CY	3500
5991 *	Cut To Fill	CY	2600
5992 *	Cut To Waste	CY	500
6000 *	Borrow	CY	36600
6001 *	Undercut	CY	3000
6003	Wick Drains	LS	1
6010 *	Respread Topsoil Class B	CY	170
6020 *	Topsoil In Median Class B	CY	40
5960	Demo Existing Storm Pipe	LF	232
5970	Demo Existing Storm Structures	EA	6
5980	Demo Existing Headwall	EA	1
6030	DI-2B	EA	2
6040	DI-3B	EA	3
6050	15" Pipe	LF	338
6052	Post Installation Inspection	LF	338
6060	Subgrade	SY	8082
6090	Subgrade Median	SY	1100
6100	Subgrade Path	SY	1250
6110 *	Select Material	CY	1439
6140 *	Base Stone	TON	3538
6170 *	Base Stone Path	TON	480
6180	Underdrain UD-4	LF	1420
6190	EW-12	EA	4
6200	Outlet Pipe	LF	80
6210	CG-6	LF	1560
6220	Radial CG-6	LF	280
6230	CG-7	LF	295
6240	CG-3	LF	25
6250	MS-2 Curb	LF	510

6260 *	Base Asphalt	TON	3023
6290 *	Int Asphalt	TON	755
6320 *	Surface Asphalt Path	TON	105
6340	GR-2	LF	280
6350	GR-9	EA	1
6360	FOA-1, Ty I	EA	1
6370	Eradication	LF	1200
6380	Temporary Pavement Marking	LF	1600
6322	Path Lighting At Valley View	LS	1

**Subtotal Valley View Blvd. Sta. 331+00 - 339+36**

**\$1,701,412.48**

**Ramp Z/Trail Sta. 10+00 - 22+00**

6460	Silt Fence	LF	2300
6470	Tree Protection Fence	LF	700
6480	Construction Entrance	EA	1
6490	Inlet Protection	EA	3
6500	Rock Check Dam Type I	EA	2
6510	Rip Rap Outlet Protection	TON	100
6530	Permanent Seeding	AC	4.5
6540	Temporary Seeding	AC	2.5
6450 *	Crusher Run Aggregate #25 or #26	TON	50
6600	Demo Temp Fence	LF	770
6610	Demo Retaining Wall	LF	70
6620	Demo Asphalt	SY	1423
6550	Demo Single Post Sign	EA	5
6560	Demo Trail Lights	EA	7
6570	Demo Guardrail	LF	230
6580	Demo 6' Chainlink Fence	LF	2760
6590	Demo Temp Shared Use Path	SY	880
6650 *	Strip & Waste Topsoil Ramp Z Pond	CY	1000
6660 *	Borrow	CY	50000
6670 *	Respread Topsoil Class B	CY	1300
6680	18" EW-1	EA	2
6690	DI-2B	EA	1
6700	DI-7	EA	1
6710	DI-10H	EA	1
6720	15" Pipe	LF	122
6730	18" Pipe	LF	63
6732	Post Installation Inspection	LF	185
6740	Subgrade	SY	5834
6750 *	Select Material	CY	1101
6760 *	Base Stone	TON	2512
6770 *	MB-7D & MB-7E Stone Base	TON	75
6780	MB-7D	LF	350
6790	MB-7E	LF	385
6800	Underdrain UD-4	LF	1270
6810	EW-12	EA	3

6820	Outlet Pipe	LF	90
6830 *	Base Asphalt	TON	2318
6840 *	Intermediate Asphalt	TON	579
6850 *	MC-3B	LF	1125
6860	GR-2	LF	1225
6870	GR-11	EA	2
6880	FOA-2, Ty II	EA	1
6890	6' Chainlink Fence	LF	240
6900	Temporary Pavement Marking & Signage Ramp Z	LF	3000

**Subtotal Ramp Z/Trail Sta. 10+00 - 22+00**

**\$1,283,406.24**

### Phase IV

#### Bridge Phase IV

6274000	PH4 - Mobilization	1	LS
6274010	PH4 - Superstr. Demo.	1	LS
6274020	PH4 - Backwall Demo	82	LF
6274030	PH4 - Substr. Concr. CL A3	202	CY
6274035	PH4 - Plain Reinf. Steel	37465	CY
6274040	PH4 - Substr. Reinf. Steel - MMFX	1540	LBS
6274050	PH4 - Superstr. Conc. Cl. A4	23	CY
6274060	PH4 - Superstr. Reinf. Steel - MMFX	4064	LBS
6274065	PH4 - MSE WALL @ EXIST ABUTMENT	1990	SF
6274067	PH4 - MSE PRECAST COPING	65	LF
6274070	PH4 - Appr. Slab	97	CY
6274080	PH4 - Appr. Slab. Reinf. Stl.	17925	LBS
6274090	PH4 - Median Curb	18	CY
6274100	PH4 - Epoxy Concrete Overlay	23973	SF
6274105	PH4 - Under Bridge Lighting System	1	LS
6274110	PH4 - Remove All Traffic Control	1	LS
6274120	PH4 - Demobilization	1	LS

**Subtotal Phase IV Bridge**

**\$771,082.48**

#### I-581 NB Sta. 166+50 - 205+25

7070	Silt Fence	LF	1700
7080	Tree Protection Fence	LF	500
7090	Construction Entrance	EA	3
7100	Inlet Protection	EA	5
7110	Rock Check Dam Type I	EA	2
7120	Rip Rap Outlet Protection	TON	30
7140	Permanent Seeding	AC	3
7150	Temporary Seeding	AC	1.5
6990	Construction Signs	SF	128
7000	Group II Channelizing Devices	DAY	8850
7010	Arrow Board	HR	3600
7030	Re-set Temporary Concrete Barrier	LF	3900

7040	Re-set Impact Attenuator	EA	1
7050	Impact Attenuator	EA	2
7060	Warning Light Type B	DAY	150
7160	Demo Guardrail	LF	2970
7170	Demo 6' Chainlink Fence	LF	1000
7180	Demo Single Post Sign	EA	3
7190	Demo Dual Beam Sign	EA	3
7200	Demo Single Pole Overhead Sign	EA	1
7210	Saw Cut	LF	3720
7220	Demo Asphalt	SY	5505
7240 *	Strip & Stockpile Topsoil	CY	760
7250 *	Cut To Fill	CY	4700
7260 *	Cut To Fill Ramp X	CY	6200
7270 *	Respread Topsoil (Some From Ramp X)	CY	870
7230	Demo Box Culvert Wingwalls	EA	3
7280	18" EW-1	EA	1
7290	DI-2B	EA	5
7300	10'x4' Box Culvert	LF	5
7310	15" Pipe	LF	941
7320	18" Pipe	LF	10
7322	Post Installation Inspection	LF	951
7330	Subgrade	SY	12300
7340 *	Select Material	CY	2500
7350 *	Base Stone	TON	5230
7360	Underdrain UD-4	LF	3940
7370	EW-12	EA	9
7380	Outlet Pipe	LF	180
7390 *	Base Asphalt	TON	5211
7400 *	Intermediate Asphalt	TON	1736
7410 *	MC-3B	LF	2400
7460 *	Surface Asphalt SB I-581	TON	1314
7420	GR-2	LF	2530
7430	GR-7	EA	2
7440	GR-11	EA	1
7450	6' Chainlink Fence	LF	1000
7470	Remove/Relocate Traffic Counter	LS	1
7480	Ty B Class I, 6" Wide	LF	4550
7482	Signs I-581 NB Phase IV	LS	1

**Subtotal I-581 NB Sta. 166+50 - 205+25**

**\$1,803,203.77**

**I-581 SB Sta. 163+00 - 213+00**

7630	Silt Fence	LF	4000
7640	Super Silt Fence	LF	1800
7650	Tree Protection Fence	LF	1800
7660	Construction Entrance	EA	3
7670	Inlet Protection	EA	12
7680	Rock Check Dam Type I	EA	6

7690	Rip Rap Outlet Protection	TON	210
7710	EC-2	SY	300
7720	EC-3	SY	1400
7730	Diversion Dike	LF	400
7740	Permanent Seeding	AC	7
7750	Temporary Seeding	AC	3.5
7550	Re-set Construction Signs	LS	1
7560	Construction Signs	SF	48
7570	Group II Channelizing Devices	DAY	10350
7580	Arrow Board	HR	3600
7600	Re-set Temporary Concrete Barrier	LF	5200
7610	Re-set Impact Attenuator	EA	3
7620	Warning Light Type B	DAY	180
7760	Demo Guardrail SB I-581	LF	4020
7770	Demo 6'-8' Chainlink Fence	LF	2670
7780	Demo Single Post Sign	EA	4
7790	Demo Dual Beam Sign	EA	3
7800	Saw Cut	LF	5160
7810	Demo Asphalt	SY	8518
7840 *	Excavate SWMB & Trap	CY	3800
7850 *	Clay Liner SWMB	CY	590
7860	Forebay With Gabions in SWMB	LF	110
7870 *	Strip & Stockpile Topsoil	CY	1100
7880 *	Cut To Fill	CY	5200
7890 *	Borrow	CY	20900
7900 *	Respread Topsoil	CY	1100
7910 *	Respread Topsoil From Path	CY	900
7830	Demo Existing Endwall	EA	3
7920	24" EW-1	EA	3
7930	36" EW-1	EA	1
7940	DI-2B	EA	3
7950	DI-2C	EA	2
7960	DI-10H	EA	5
7970	15" Pipe	LF	1289
7980	18" Pipe	LF	366
7990	18" Jacked Pipe	LF	157
8000	24" Pipe	LF	354
8010	36" Pipe	LF	8
8012	Post Installation Inspection	LF	2174
8020	Manholes	EA	1
8030	SWM-1	EA	1
8040	PG-2A Ditch	SY	84
8050	Subgrade	SY	19960
8060 *	Select Material	CY	4055
8070 *	Base Stone	TON	8556
8080	Underdrain UD-4	LF	5190
8090	EW-12	EA	10

8100	Outlet Pipe	LF	120
8110 *	Base Asphalt	TON	8750
8120 *	Intermediate Asphalt	TON	2917
8130 *	MC-3B	LF	2900
8140 *	Surface Asphalt	TON	2133
8150	GR-2	LF	3000
8160	GR-7	EA	2
8170	GR-11	EA	2
8180	FOA-2, Ty I	EA	1
8190	FOA-2, Ty II	EA	1
8200	6' Chainlink Fence	LF	2470
8210	12' Double Swing Gate	LS	1
7820	Remove/Relocate Traffic Counter	LS	1
8220	Ty B Class I, 6" Wide	LF	4900
8222	Signs I-581 SB Phase IV	LS	1

**Subtotal I-581 SB Sta. 163+00 - 213+00**

**\$3,354,031.54**

**Valley View Blvd. Sta. 331+00 - 339+36 (Center)**

8360	Construction Entrance	EA	1
8370	Permanent Seeding	AC	0.5
8380	Temporary Seeding	AC	0.5
8290	Re-set Construction Signs	LS	1
8300	Construction Signs	SF	16
8310	Group II Channelizing Devices	DAY	16320
8320	Arrow Board	HR	2880
8340	Modify Traffic Signal	LS	1
8350	Demo Concrete Barrier	LF	240
8390	Demo Curb & Median Valley View	LF	750
8400	Demo Concrete Median	SY	110
8410	Demo Asphalt	SY	4756
8470 *	Strip & Stockpile Topsoil	CY	550
8480 *	Cut To Fill	CY	4100
8481 *	Cut To Waste	CY	500
8490 *	Borrow	CY	1900
8500 *	Respread Topsoil Class B	CY	0
8510 *	Topsoil In Median Class B	CY	210
8440	Demo Existing Storm Pipe (DEEP)	LF	120
8450	Demo Existing Storm Structures (H=20')	EA	2
8460	Demo Existing Headwall	EA	1
8520	15" EW-1	EA	2
8530	DI-2BB	EA	1
8540	DI-3B	EA	1
8550	DI-10H	EA	1
8560	Manholes	EA	1
8570	15" Pipe	LF	225
8572	Post Installation Inspection	LF	225
8580	Subgrade	SY	5636

8590	Subgrade Median	SY	1325
8600 *	Select Material	CY	1064
8610 *	Base Stone	TON	2475
8672	Traffic Signalization	LS	1
8620	MS-2 Curb	LF	1550
8630	MS-1A	LF	460
8640 *	Stone Under Median	TON	76
8650	CG-7	LF	280
8660 *	Base Asphalt	TON	2238
8670 *	Intermediate Asphalt	TON	559
8680	GR-2	LF	245
8690	FOA-1, Ty I	EA	1
8700	Eradication	LF	250
8710	Temporary Pavement Marking	LF	2900

8720           **Subtotal Valley View Blvd. Sta. 331+00 - 339+36 (Center)**

**\$1,152,490.31**

**Ramp W Sta. 10+00 - 14+02**

8780	Silt Fence	LF	400
8790	Construction Entrance	EA	1
8800	Inlet Protection	EA	6
8810	Rip Rap Outlet Protection	TON	25
8830	Permanent Seeding	AC	1
8840	Temporary Seeding	AC	0.5
8850	Saw Cut	LF	220
8860	Demo Temporary Asphalt	SY	3530
8900 *	Strip & Stockpile Topsoil	CY	130
8910 *	Strip & Respread Topsoil Ramp Z Pond	CY	220
8920 *	Cut To Fill	CY	0
8930 *	Borrow	CY	9600
8940 *	Respread Topsoil	CY	130
8870	Demo Existing Storm Pipe (DEEP)	LF	222
8880	Demo Existing Storm Structures (H=12')	EA	5
8890	Demo Existing Headwall	EA	3
8950	15" Pipe	LF	365
8960	30" Pipe	LF	19
8970	42" Pipe	LF	282
8972	Post Installation Inspection	LF	667
8980	15" EW-1	EA	2
8990	30" EW-1	EA	1
9000	42" EW-1	EA	2
9010	MH-1	EA	1
9020	MH-2	EA	1
9030	DI-2B	EA	3
9040	DI-2C	EA	1
9050	DI-10H	EA	1
9060	Subgrade	SY	5782
9070 *	Select Material	CY	1076

9080 *	Base Stone	TON	2482
9090 *	MB-7E Stone Base	TON	35
9100	MB-7E	LF	380
9110 *	MB-7 #8 Stone Backfill	TON	510
9120	MB-7 Concrete Cap	SY	260
9130	Underdrain UD-4	LF	1110
9140	EW-12	EA	2
9150	Outlet Pipe	LF	40
9160 *	Base Asphalt	TON	2264
9170 *	Intermediate Asphalt	TON	567
9180 *	MC-3B	LF	1330
9190	GR-2	LF	1140
9191	Radial GR-2	LF	100
9200	GR-2 at Bridge Pier In Median	LF	870
9210	GR-7	EA	1
9220	GR-7 at Bridge Pier In Median	EA	2
9230	GR-11 at Bridge Pier In Median	EA	2
9240	FOA-2, Ty I	EA	1
9250	6' Chainlink Fence	LF	1330
9260	12' Double Swing Gate	EA	1
9270	Temporary Pavement Marking	LF	3060

**Subtotal Ramp W Sta. 10+00 - 14+02**

**\$824,033.15**

**Ramp X Sta. 10+00 - 27+59**

9340	Crusher Run Aggregate #25 or #26	TON	50
9350	Silt Fence	LF	2100
9360	Construction Entrance	EA	2
9370	Inlet Protection	EA	5
9380	Rock Check Dam Type I	EA	4
9390	Rip Rap Outlet Protection	TON	15
9410	Permanent Seeding	AC	2.5
9420	Temporary Seeding	AC	1.5
9430	Saw Cut	LF	200
9440 *	Strip & Stockpile Topsoil	CY	700
9450 *	Strip & Stockpile Topsoil For 581 NB	CY	110
9460 *	Strip & Respread Topsoil Ramp Z Pond	CY	660
9470 *	Cut To Fill	CY	9400
9480 *	Borrow	CY	1100
9490 *	Respread Topsoil	CY	700
9500	15" EW-1	EA	1
9510	DI-2B	EA	1
9520	DI-7	EA	4
9530	5'x6' Double Box Culvert	LF	20
9540	15" Pipe	LF	396
9542	Post Installation Inspection	LF	396
9550	Subgrade	SY	6425
9560 *	Select Material	CY	1170

9570 *	Base Stone	TON	2743
9580	Underdrain UD-4	LF	1740
9590	EW-12	EA	5
9600	Outlet Pipe	LF	100
9610 *	Base Aspahlt	TON	2462
9620 *	Int Aspahlt	TON	615
9630 *	MC-3B	LF	1825
9640	GR-2	LF	1780
9650	Radial GR-2	LF	185
9660	GR-7	EA	2
9670	GR-11	EA	2
9680	6' Chainlink Fence	LF	695

**Subtotal Ramp X Sta. 10+00 - 27+59**

**\$657,463.98**

**I-581 Sound Barrier Wall #1**

9770	Sound Barrier Wall I-581 SB	SF	18835
9771	MB-7F	LF	1120

**Subtotal I-581 Sound Barrier Wall #1**

**\$693,887.14**

**Phase V**

**Surface Asphalt, Striping, Lighting**

9850	Construction Signs	SF	64
9852	Set Up Lane Closures	EA	10
9860	Arrow Board	HR	70
9870	Crash Truck	HR	70
9880	Group II Channelizing Devices	DAY	360
9890	Traffic Flaggers	HR	140
10000	Remove Construction Signage	LS	1
9900 *	Surface Asphalt Ramp Y	TON	584
9910 *	Surface Asphalt Ramp X	TON	533
9920 *	Surface Asphalt Ramp Z	TON	820
9930 *	Surface Asphalt Ramp W	TON	137
9940 *	Surface Asphalt Valley View Boulevard	TON	1256
9950	Type B Class I Pavement Markings 4"	LF	12400
9960	Type B Class I Pavement Markings 6"	LF	3200
9970	Type B Class I Pavement Markings 8"	LF	1570
9980	Type B Class I Pavement Markings 24"	LF	120
9990	Elongated Arrows, Single	EA	20
9991	Landscaping Valley View Blvd	LS	1
9992	Lighting I-581	LS	1

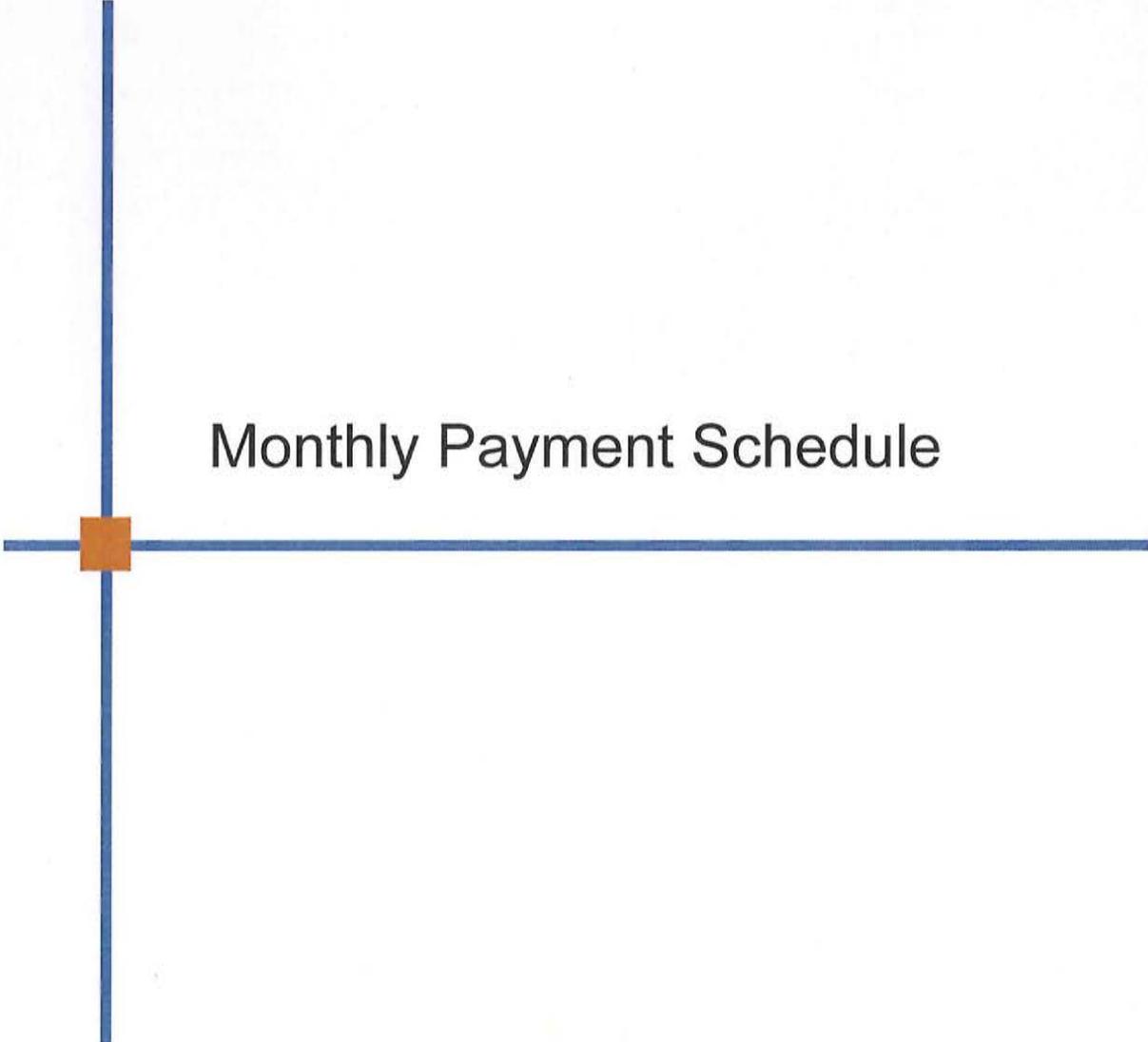
**Subtotal Surface Asphalt, Striping, Lighting**

**\$1,655,028.35**

Activities followed by an asterisk ( \* ) are eligible for fuel adjustment

**I-581 Valley View Boulevard Interchange Phase II Total Bid**

**\$41,208,634.79**

A decorative graphic consisting of a vertical blue line on the left and a horizontal blue line intersecting it. A small orange square is positioned at the intersection point.

## Monthly Payment Schedule



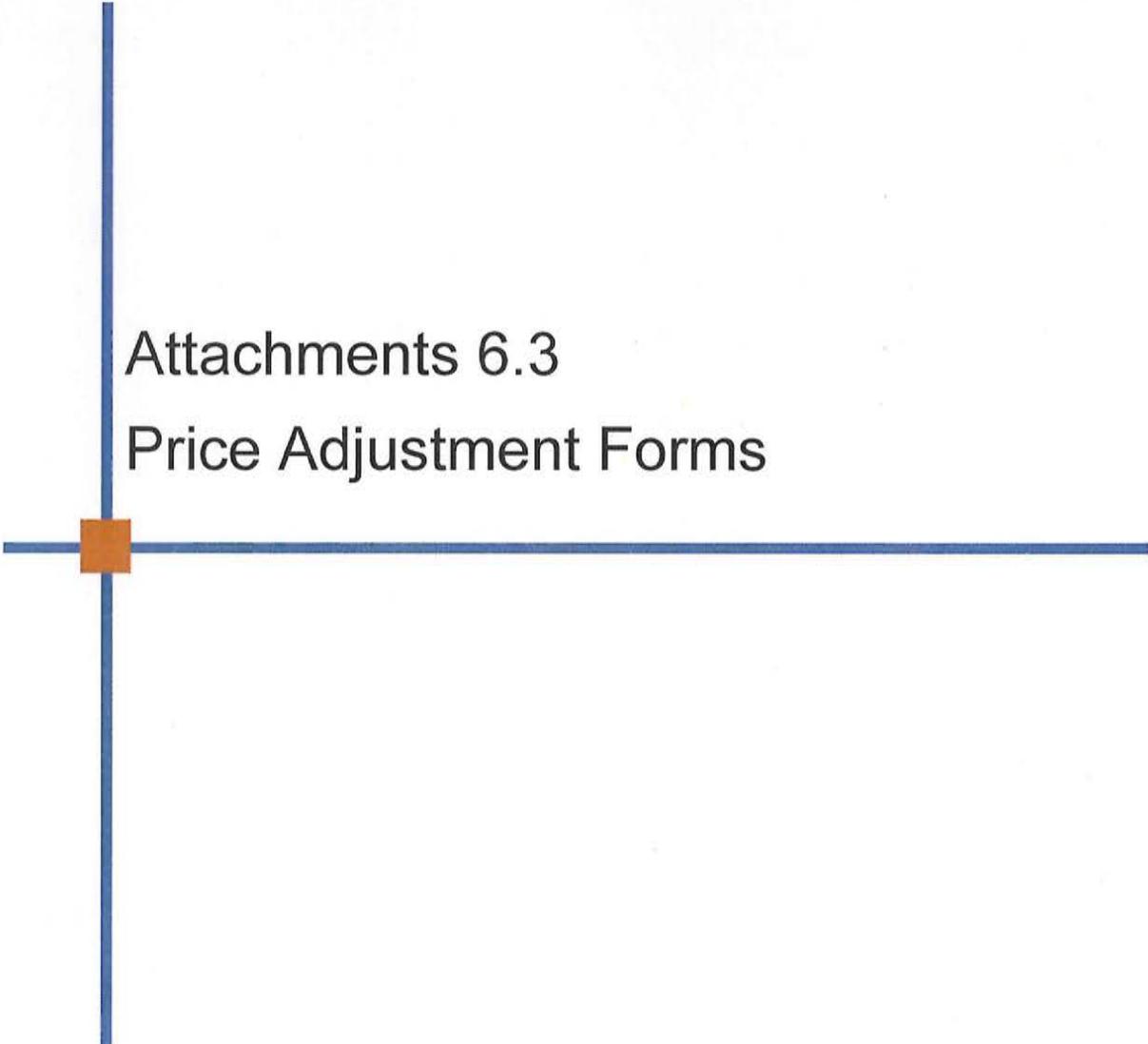
*Key Construction Company, Inc.*



**JOHNSON, MIRMIRAN & THOMPSON**  
*Engineering A Brighter Future®*

**Key Construction Co., Inc.**  
**I-581 Valley View Boulevard Interchange Phase II**  
**Monthly Payment Schedule**

<b>Revenue Period</b>	<b>Monthly Revenue Earned</b>
1/1/2013	\$ 2,046,269.40
2/1/2013	\$ 433,791.37
3/1/2013	\$ 266,233.06
4/1/2013	\$ 219,703.20
5/1/2013	\$ 203,935.32
6/1/2013	\$ 318,150.69
7/1/2013	\$ 352,116.45
8/1/2013	\$ 383,995.55
9/1/2013	\$ 233,925.18
10/1/2013	\$ 173,471.46
11/1/2013	\$ 1,112,300.86
12/1/2013	\$ 980,959.61
1/1/2014	\$ 1,142,066.99
2/1/2014	\$ 1,858,350.89
3/1/2014	\$ 1,528,000.26
4/1/2014	\$ 1,969,774.36
5/1/2014	\$ 2,436,395.33
6/1/2014	\$ 2,338,185.34
7/1/2014	\$ 1,910,634.23
8/1/2014	\$ 1,965,466.30
9/1/2014	\$ 1,837,464.32
10/1/2014	\$ 1,721,899.16
11/1/2014	\$ 1,126,324.28
12/1/2014	\$ 1,427,077.99
1/1/2015	\$ 1,237,324.54
2/1/2015	\$ 1,265,175.56
3/1/2015	\$ 1,504,484.30
4/1/2015	\$ 1,256,374.53
5/1/2015	\$ 1,265,007.30
6/1/2015	\$ 1,548,925.55
7/1/2015	\$ 1,508,830.95
8/1/2015	\$ 1,211,982.72
9/1/2015	\$ 1,333,914.09
10/1/2015	\$ 1,090,123.65
<b>TOTAL</b>	<b>\$ 41,208,634.79</b>

A decorative graphic consisting of a vertical blue line on the left and a horizontal blue line extending to the right. A small orange square is positioned at the intersection of the two lines, slightly to the left of the horizontal line's start.

Attachments 6.3  
Price Adjustment Forms



*Key Construction Company, Inc.*



**JOHNSON, MIRMIRAN & THOMPSON**  
*Engineering A Brighter Future®*

**EXHIBIT 6.3(a)  
ADJUSTMENT FOR ASPHALT**

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

June 30, 2011

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.

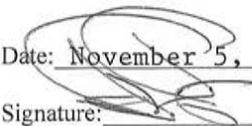
In order to be eligible for asphalt price adjustment under this provision, the Design-Builder shall clearly identify in its Price Proposal those pay items and the associated quantities it chooses to have asphalt price adjustment applied to in its work packages. Items the Design-Builder claims in its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

I elect to use this provision

I elect not to use this provision

Date: November 5, 2012

Signature:  Mark W. Nunn, CEO

Design-builder: Key Construction Co., Inc.

Vendor No.: K006

EXHIBIT 6.3(b)

Form C-16a  
7-13-05

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
PRICE ADJUSTMENT

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

PROJECT NUMBER: 0581-128-109, P101, RW201, C501, B627

DISTRICT: Salem District

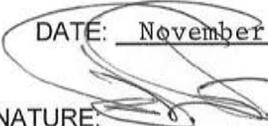
Bid Prices in this contract for items containing PG 64-22 asphalt cement were developed using an f.o.b. price of \$ 568.33 per IMPERIAL ton for PG 64-22. This quote will be averaged into the monthly price index.

Bid Prices in this contract for items containing PG 76-22 asphalt cement were developed using an f.o.b. price of \$ 740.00 per IMPERIAL ton for PG 76-22. This quote is project specific.  
(When required by provisions)

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

I elect to use this provision  
 I elect not to use this provision

DATE: November 5, 2012

SIGNATURE: 

Mark W. Nunn, CEO

Key Construction Company, Inc.  
(Firm or Corporation)

K006

(Vendor No.)

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

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

June 30, 2011

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 its Price Proposal 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 Price Proposal will automatically not be considered for adjustment.

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

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

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

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

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

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

Q = Quantity of individual units of work  
F = Appropriate fuel factor

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

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

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

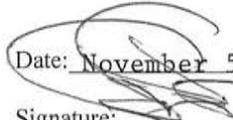
In the event any of the base fuel prices in this contract increase more than 100 percent (i.e. fuel prices double), the Department will review each affected item of work and give the Design-Builder written notice if work is to stop on any affected item of work. The Department reserves the right to reduce,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

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

I elect to use this provision

I elect not to use this provision

Date: November 5, 2012

Signature:  Mark W. Nunn, CEO

Design-builder: Key Construction Co., Inc.

Vendor No.: K006

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**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.



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**Sample Calculation of a Price Adjustment (increase)**

---

Project bid on April 28, 2004.

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

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

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

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

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

Adjustment formula is as follows:

$$A = B \times P \times Q$$

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

$$B = \$0.2816$$

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

$$Q = 450,000 \text{ lb.}$$

$$A = 0.2816 \times 0.054 \times 450,000$$

$$A = \$6,842.88 \text{ pay adjustment to Design-Builder}$$

---

**Sample Calculation of a Price Adjustment (decrease)**

---

Project bid on April 28, 2004.

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

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

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

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

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

Adjustment formula is as follows:

$$A = B \times P \times Q$$

Where;

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

$$B = \$0.2816$$

$$P = (156.6 - 136.3) / 156.6 - 0.10 = 0.030$$

$$Q = 450,000 \text{ lb.}$$

$$A = 0.2816 \times 0.030 \times 450,000$$

$$A = \$3,801.60 \text{ credit to Department}$$

**MASTER LISTING**

**STANDARD BID ITEMS ELIGIBLE FOR STEEL PRICE ADJUSTMENT**

March 18, 2009

**BLS Series I. D.**

ITEM NUMBER	ITEM DESCRIPTION	UNITS	Number WPU used in \$ adjust.
00519	SHEET PILE, STEEL	SF	avg. 1017 & 101
00540	REINF. STEEL	LB	101704
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

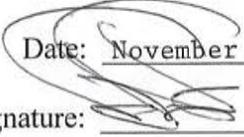
45572	18" STEEL ENCASE. PIPE	LF	101706
45582	24" STEEL ENCASE. PIPE	LF	101706
45584	24" JACKED STEEL ENCASEMENT PIPE	LF	101706
45592	30" STEEL ENCASE. PIPE	LF	101706
50402	SIGN POST STEEL 3"	LF	101706
50404	SIGN POST STEEL 4"	LF	101706
50406	SIGN POST STEEL 6"	LF	101706
50410	SIGN POST STEEL 10"	LF	101706
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

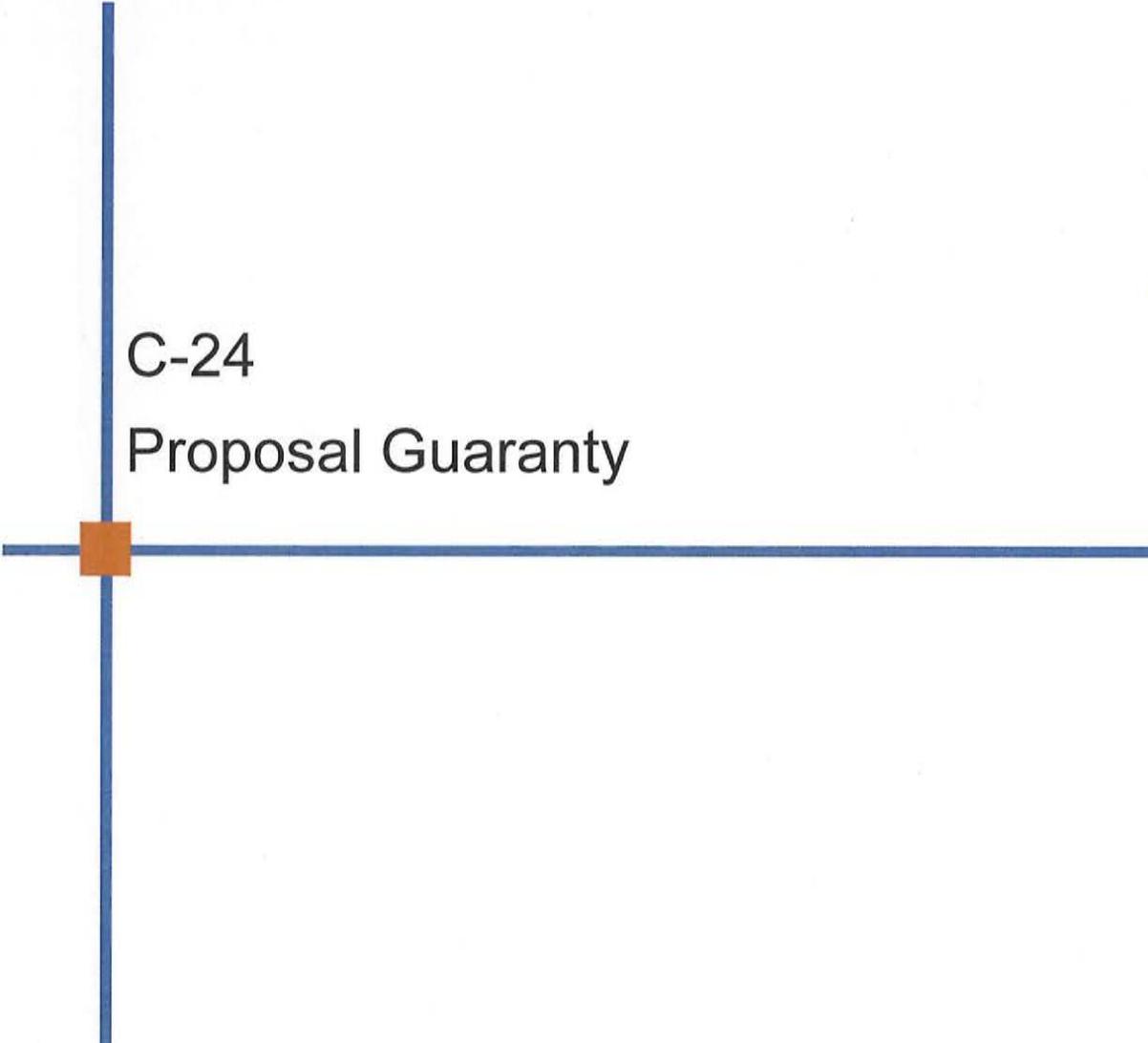
I elect not to use this provision

Date: November 5, 2012

Signature:  Mark W. Nunn, CEO

Design-Builder: Key Construction Co., Inc.

Vendor No.: K006

A decorative graphic consisting of a vertical blue line on the left and a horizontal blue line intersecting it. A small orange square is positioned at the intersection point. The text 'C-24 Proposal Guaranty' is placed to the right of the vertical line, centered vertically between the horizontal line and the top of the page.

C-24  
Proposal Guaranty



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
PROPOSAL GUARANTY

KNOW ALL MEN BY THESE PRESENTS, THAT WE Key Construction Co, Inc. As principal, and Fidelity and Deposit Company of Maryland 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 5th Day of November, 2012

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

PROJECT NUMBER: 0581-128-109, P101, RW201, C501, B627

Design/Build: I-581/Valley View Boulevard Interchange Phase II, Roanoke, VA - Contract ID # C00016595DB45

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.

Key Construction Co, Inc.

(Principal\*)

By: \_\_\_\_\_

(Officer, Partner or Owner) (Seal)

Mark W. Nunn, CEO

(Principal\*)

By: \_\_\_\_\_

(Officer, Partner or Owner) (Seal)

(Principal\*)

By: \_\_\_\_\_

(Officer, Partner or Owner) (Seal)

Fidelity and Deposit Company of Maryland

(Surety Company)

By: \_\_\_\_\_

Jessica J. Winfree (Attorney-in-Fact\*\*) (Seal)

P.O. Box 730  
Richmond, VA 23218

(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

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

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Maryland, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Maryland (herein collectively called the "Companies"), by **Geoffrey Delisio, Vice President**, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint Jessica J. Winfree, its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: any and all bonds and undertakings, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland, in their own proper persons.

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

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 17th day of May, A.D. 2012.

ATTEST:

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



By: Gerald F. Haley  
Assistant Secretary  
Gerald F. Haley

Geoffrey Delisio  
Vice President  
Geoffrey Delisio

State of Maryland  
County of Baltimore

On this 17th day of May, A.D. 2012, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, **Geoffrey Delisio, Vice President** and **Gerald F. Haley, Assistant Secretary** of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, depose and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

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

Constance A. Dunn  
Constance A. Dunn, Notary Public  
My Commission Expires: July 14, 2015



**EXTRACT FROM BY-LAWS OF THE COMPANIES**

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

**CERTIFICATE**

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

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

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

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

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

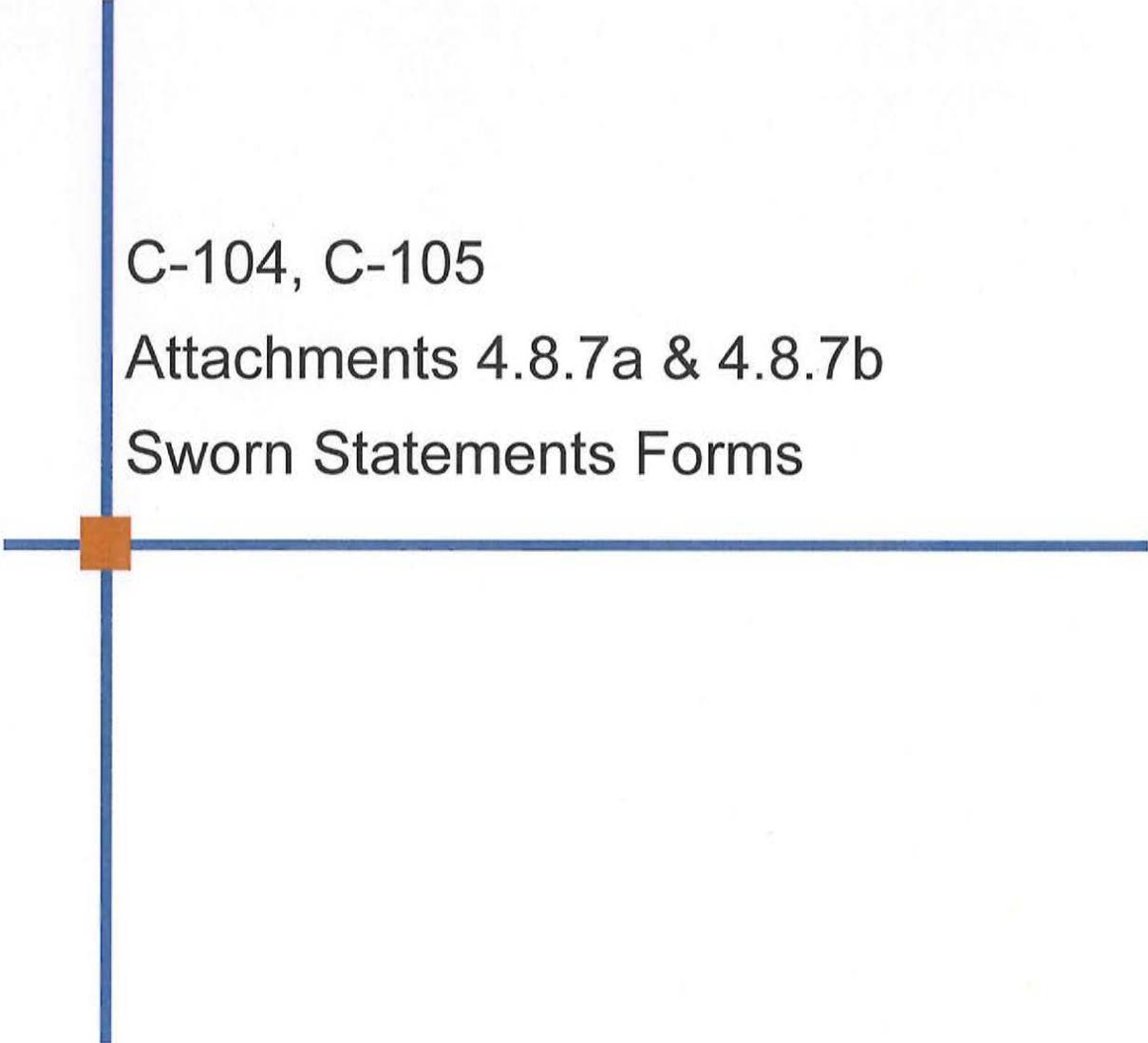
IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 5th day of November, 2012.



*Thomas O. McClellan*

Thomas O. McClellan, Vice President



A decorative graphic consisting of a vertical blue line on the left and a horizontal blue line crossing it from the left. A small orange square is positioned at the intersection of the two lines.

C-104, C-105  
Attachments 4.8.7a & 4.8.7b  
Sworn Statements Forms



*Key Construction Company, Inc.*



**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

PROJECT: 0581-128-109, P101,RW201, C501, B627

FHWA: NH-581-5(035)

This form must be completed, signed and returned with bid; and failure to do so may result in the rejection of your bid. **THE CONTRACTOR SHALL AFFIRM THE FOLLOWING STATEMENT EITHER BY SIGNING THE AFFIDAVIT AND HAVING IT NOTARIZED OR BY SIGNING THE UNSWORN DECLARATION UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE UNITED STATES. A SEPARATE FORM MUST BE SUBMITTED BY EACH PRINCIPAL OF A JOINT VENTURE BID.**

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

**AFFIDAVIT**

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

Signed at Mecklenburg County, Virginia, this 5th day of November, 20 12  
County (City), STATE  
Key Construction Company, Inc. By: [Signature] Mark W. Nunn, CEO  
(Name of Firm) (Signature) Title (print)  
STATE of Virginia COUNTY (CITY) of Mecklenburg

To-wit: Jackie G. Arrington, a Notary Public in and for the State and  
County(City) aforesaid, hereby certify that this day Mark W. Nunn

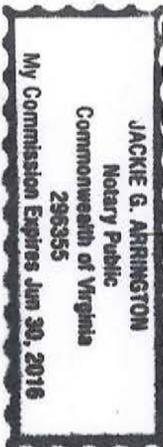
personally appeared before me and made oath that he is duly authorized to make the above statements and that such statements are true and correct.

Subscribed and sworn to before me this 5th day of November, 20 12  
Jackie G. Arrington My Commission expires June 30, 2016  
Notary Public

OR  
**UNSWORN DECLARATION**

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

Signed at \_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_  
County (City), STATE  
\_\_\_\_\_  
(Name of Firm) By: \_\_\_\_\_ (Signature) \_\_\_\_\_ (Title (print))



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
AFFIDAVIT

PROJECT:

FHWA:

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

1. I, the firm, corporation or officers, agents or employees thereof have neither directly nor indirectly entered into any combination or arrangement with any person, firm or corporation or entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with such contract, the effect of which is to prevent competition or increase the cost of construction or maintenance of roads or bridges.

During the preceding twelve months, I (we) have been a member of the following Highway Contractor's Associations, as defined in Section 33.1-336 of the Code of Virginia (1970). (If none, so state).

NAME	Location of Principal Office
None	
_____	_____
_____	_____
_____	_____

2. I (we) have , have not , participated in a previous contract or subcontract subject to the equal opportunity clause, as required by Executive Orders 10925, 11114, or 11246, and that I/We have , have not , filed with the joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

**Note:** The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor [41 CFR 60-1.7(b)(1)], and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contract or subcontracts of \$10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b) (1) prevents the award of contract and subcontract unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

(Continued)

ORDER NO.:  
CONTRACT ID. NO.:

Form C-105  
page 2

3. The bidder certifies to the best of its knowledge and belief, that it and its principals:
- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency;
  - (b) Have not within a three year period preceding this proposal been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offence in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
  - (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated above; and
  - (d) Where the bidders is unable to certify to any of the statements in this certification, the bidder shall show an explanation below.

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

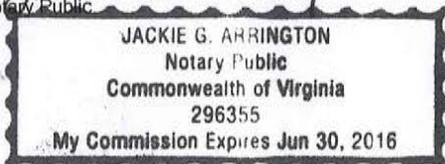
The undersigned is duly authorized by the bidder to make the foregoing statements to be filed with bids submitted on behalf of the bidder for contracts to be let by the Commonwealth Transportation Board.

Signed at Mecklenburg County, Virginia, this 5th day of November, 20 12  
County (City), STATE  
Key Construction Company, Inc. By: [Signature] Mark W. Nunn, CEO  
(Name of Firm) (Signature) Title (print)  
STATE of Virginia COUNTY (CITY) of Mecklenburg

To-wit: Jackie G. Arrington, a Notary Public in and for the State and  
County(City) aforesaid, hereby certify that this day Mark W. Nunn

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

Subscribed and sworn to before me this 5th day of November, 20 12  
Jackie G. Arrington My Commission expires June 30, 2016  
Notary Public





DBE Requirements Forms  
C-111, C-49 and C-112  
Attachments 4.8.8a, 4.8.8b & 4.8.8c



*Key Construction Company, Inc.*



**JOHNSON, MIRMIRAN & THOMPSON**  
*Engineering A Brighter Future®*

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
MINIMUM DBE REQUIREMENTS

PROJECT NO. 0581-128-109, P101, RW201, C501, B627

FHWA NO. NH-581-5(035)

\*\*\* 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 16 %

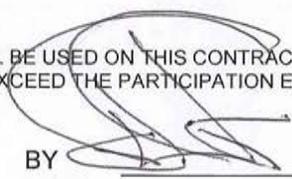
PERCENT ATTAINED BY BIDDER 16.01 %

NAMES(S) AND CERTIFICATION NO. OF DBE(S) TO BE USED	USED AS		TYPE OF WORK AND ITEM NO(S)	\$ AMOUNT OF ALLOWABLE CREDIT PER ITEM
	SUBCONTR. (S)	MFG. (M)		
	SUPPLIER (SP)	HAULER (H)		
Cherry Contracting, Inc. DB2009	(S)		Soundwall Installation	3,775,000
Cherry Contracting, Inc. DB2009	(SP)		Retaining Wall Materials	72,000
T3 Design Corporation	(S)		Engineering	163,000
Tavares Concrete Co., Inc.	(S)		Median Barrier	680,000
EBA Engineering, Inc.	(S)		Quality Control	549,000
Aggregate Relocation Specialists, LLC	(H)		Aggregate Hauling	330,000
			<b>TOTAL</b>	<b>\$ See Page 2</b>

TOTAL CONTRACT VALUE \$ See Page 2 x REQUIRED DBE \_\_\_\_\_ % = \$ See Page 2

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.

Key Construction Company, Inc.  
BIDDER

BY  SIGNATURE Mark W. Nunn, CEO

Mark W. Nunn, CEO  
TITLE

BY November 5, 2012  
DATE



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

Project No.: 0581-128, 109, P101, RW201, C501, B627

Federal Project No.: NH-581-5(035)

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.

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

Key Construction Company, Inc.

By:

Signature

Mark W. Nunn, CEO

Title

Date: 8/20/2012

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

*Cherry Contracting, Inc. / Cherry Procast*  
\_\_\_\_\_  
By: *[Signature]* Signature \_\_\_\_\_ Title *VP* \_\_\_\_\_  
Date: *8/15/12* \_\_\_\_\_

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

Project No.: 0581-128-109, P101, RW201, C501, B627

Federal Project No.: NH-581-5(035)

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.

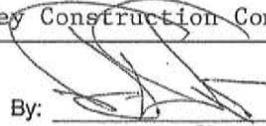
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The prime Contractor further represents that the aforementioned mutually acceptable quote and fully executed subcontract agreement shall remain on file for a period of not less than one year following completion of the prime's contract with the Department 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 Key Construction Company, Inc.

By:  \_\_\_\_\_  
Signature Title

Date: 8/20/2012

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 T3 Design Corporation

\_\_\_\_\_

By: Amy Morris President  
Signature Title  
Date: 8-15-12

AMY MORRIS

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

Project No.: 0581-128-109,P101,RW201,C501, B627

Federal Project No.:

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.

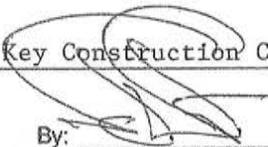
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Contractors further jointly and severally represent that said binding agreement is for the performance of a "commercially useful function" as that term is employed in 49 C.F.R. Part 26.55 (c), (d).

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 Key Construction Company, Inc.

By: 

Signature

Mark W. Nunn, CEO

Title

Date: 8/20/2012

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 COMPANY, INC.  
By: [Signature] Signature \_\_\_\_\_ Title PRESIDENT  
Date: 8/16/2012

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

Project No.: 0581-128-109, P101, RW201, C501, B627

Federal Project No.: NH-581-5 (035)

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 Key Construction Co., Inc.

By:   
Signature

Mark W. Nunn, CEO  
Title

Date: 8/20/2012

First Tier  
Subcontractor if  
Applicable

EBA Engineering, Inc.

By:   
Signature

First Executive Vice President  
Title

Date: August 20, 2012

Second Tier  
Subcontractor if  
Applicable

\_\_\_\_\_  
By: \_\_\_\_\_ Signature \_\_\_\_\_ Title \_\_\_\_\_  
Date: \_\_\_\_\_

Third Tier  
Subcontractor if  
Applicable

\_\_\_\_\_  
By: \_\_\_\_\_ Signature \_\_\_\_\_ Title \_\_\_\_\_  
Date: \_\_\_\_\_

DBE Contractor

EBA Engineering, Inc.

By: *Kunal Garg* Signature \_\_\_\_\_ Title First Executive Vice President  
Date: August 20, 2012

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

Project No.: 0581-128-109, P101, RW201, C501, B627

Federal Project No.: NH-581-5(035)

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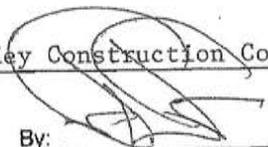
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TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER  
SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM

Prime Contractor

Key Construction Company, Inc.

By: 

Signature

Mark W. Nunn, CEO

Title

Date: 8/20/2012

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

AGGREGATE RELOCATION SPECIALISTS, LLL

By:   
Signature Title  
Date: 08/16/12

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

Project No.: 0581-128-109, P101, RW201, C501, B627

Federal Project No.: NH-581-5(035)

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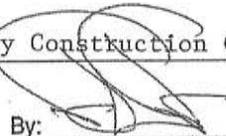
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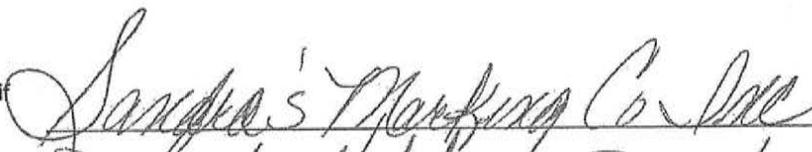
TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER  
SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM

Prime Contractor Key Construction Company, Inc.

By:  Mark W. Nunn, CEO  
Signature Title

Date: 8/20/2012

First Tier  
Subcontractor if  
Applicable

  
By: Sandra Shivers President  
Signature Title

Date: 8-15-12

Second Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

Third Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

DBE Contractor

*Sandra's Marketing Co Inc*  
By: *Sandra Hulst* Signature Title *President*  
Date: *8-15-13*

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

Project No.: 0581-128-109, P101, RW201, C501, B627

Federal Project No.: NH-581-5(035)

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

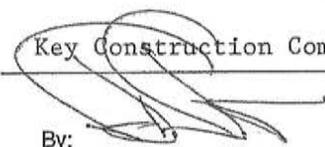
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**TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER  
SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM**

Prime Contractor Key Construction Company, Inc.  
  
By: \_\_\_\_\_  
Signature  
Mark W. Nunn, CEO  
Title  
Date: 8/20/2012

First Tier  
Subcontractor if  
Applicable  
\_\_\_\_\_  
By: \_\_\_\_\_  
Signature  
\_\_\_\_\_  
Title  
Date: \_\_\_\_\_

Second Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

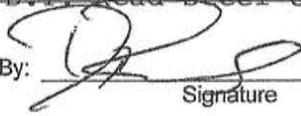
Third Tier  
Subcontractor if  
Applicable

\_\_\_\_\_

By: \_\_\_\_\_  
Signature Title  
Date: \_\_\_\_\_

DBE Contractor

~~D. T. Read Steel Company, Inc.~~

By:  \_\_\_\_\_  
Signature Title  
Date: 8/16/12

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

Project No.: 0581-128-109,P101,RW201,C501, B627

Federal Project No.:

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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

Key Construction Company, Inc.

By:

Signature

Mark W. Nunn, CEO

Title

Date: 8/20/2012

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

D+W Fence, Inc  
\_\_\_\_\_

By: CN Smith/Shaw  
Signature Title  
Date: 17 Aug 2012

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

Project No.: 0581 - 128 - 109, P101, RW201, C501, B627

Federal Project No.: NH-581-5 (035)

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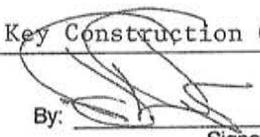
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TO BE SIGNED BY THE SUBCONTRACTOR TO THE PRIME CONTRACTOR, AND ANY LOWER TIER  
SUBCONTRACTORS HAVING A CONTRACT WITH THE BELOW NAMED DBE FIRM

Prime Contractor Key Construction Company, Inc.

By:  Mark W. Nunn, CEO  
Signature Title

Date: 8/20/2012

First Tier  
Subcontractor if  
Applicable

By: \_\_\_\_\_  
Signature Title

Date: \_\_\_\_\_

Second Tier  
Subcontractor if  
Applicable

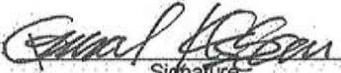
\_\_\_\_\_  
By: \_\_\_\_\_ Signature \_\_\_\_\_ Title \_\_\_\_\_  
Date: \_\_\_\_\_

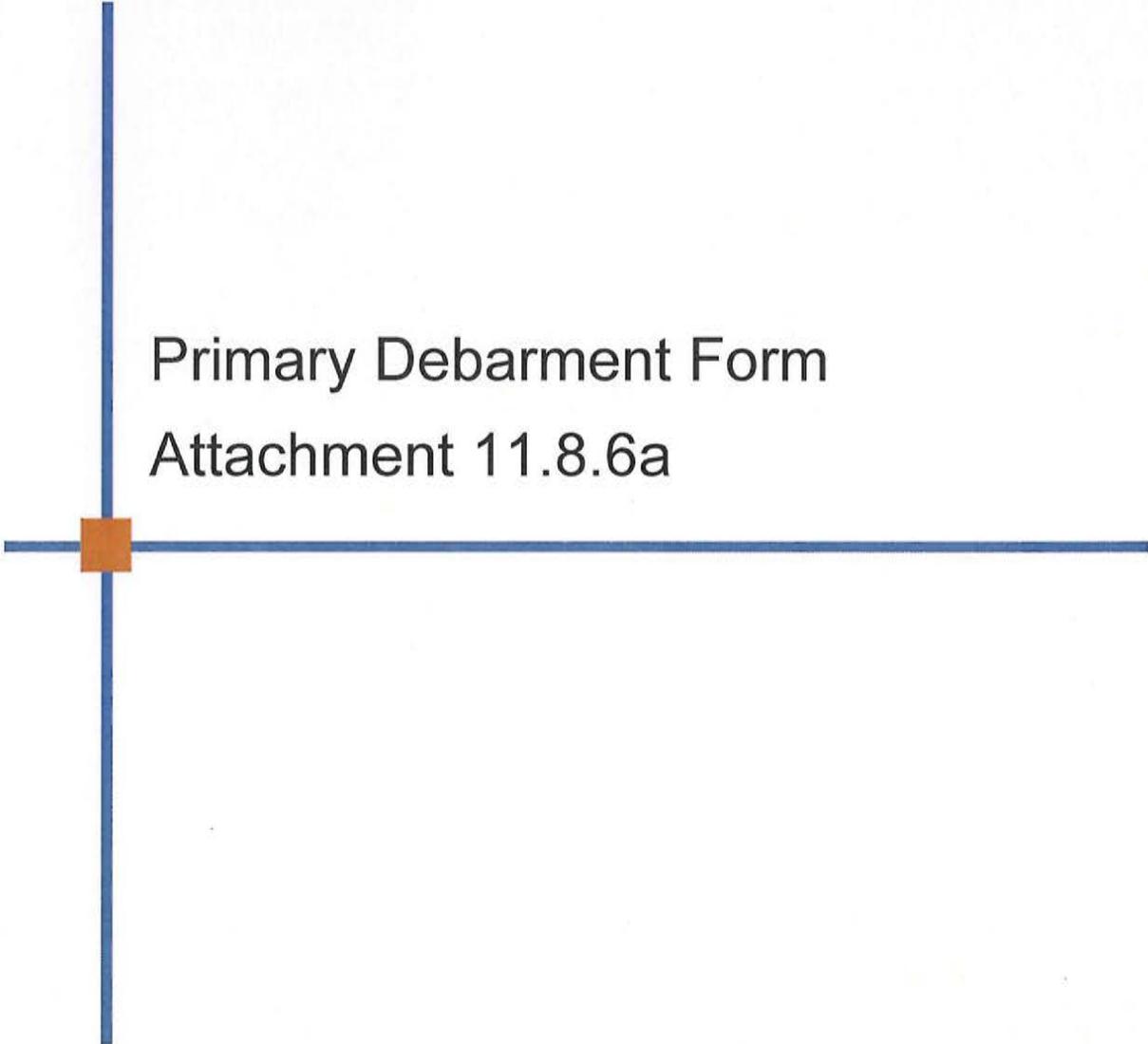
Third Tier  
Subcontractor if  
Applicable

\_\_\_\_\_  
By: \_\_\_\_\_ Signature \_\_\_\_\_ Title \_\_\_\_\_  
Date: \_\_\_\_\_

DBE Contractor

Hassan Water Resources, PLC  
\_\_\_\_\_

By:  Signature \_\_\_\_\_ President / Owner \_\_\_\_\_  
Title \_\_\_\_\_  
Date: August 15, 2012



Primary Debarment Form  
Attachment 11.8.6a



*Key Construction Company, Inc.*



**JOHNSON, MIRMIRAN & THOMPSON**  
*Engineering A Brighter Future®*

**ATTACHMENT 11.8.6(a)**  
**CERTIFICATION REGARDING DEBARMENT**  
**PRIMARY COVERED TRANSACTIONS**

**Project No.: 0581-128-109, P101, RW201, C501, B627**

1) The prospective primary participant 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.

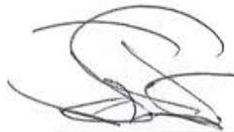
b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; and have not been convicted of any violations 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 in paragraph 1) b) of this certification; and

d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

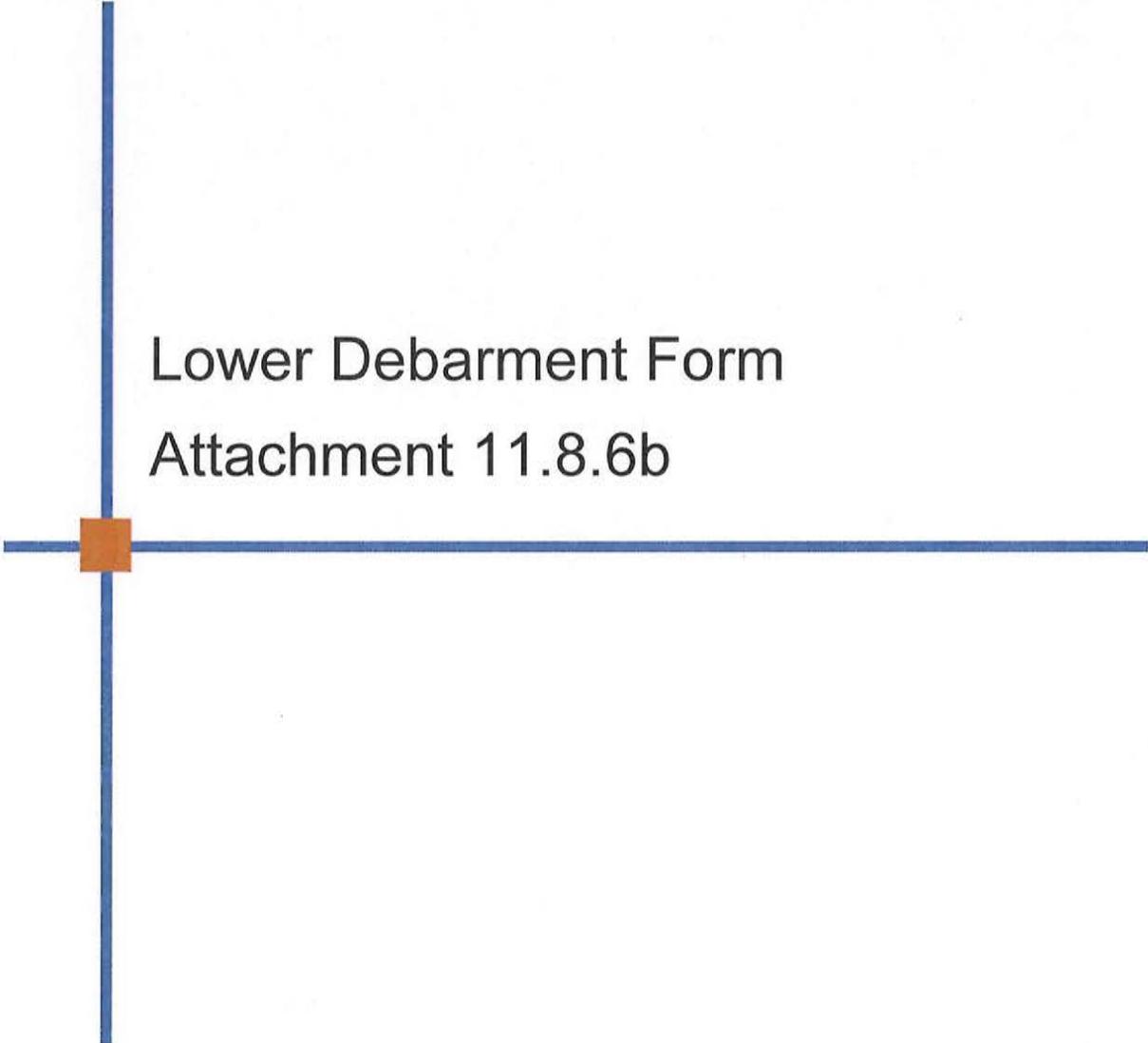


Signature

Nov. 5, 2012  
Date

Mark W. Nunn, CEO  
Title

Key Construction Company, Inc.  
Name of Firm



Lower Debarment Form  
Attachment 11.8.6b



*Key Construction Company, Inc.*



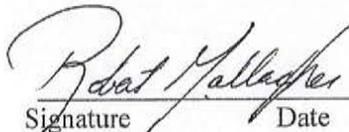
**JOHNSON, MIRMIRAN & THOMPSON**  
*Engineering A Brighter Future®*

ATTACHMENT 11.8.6(b)  
CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

Project No.: 0581-128-109, P101, RW201, C501, B627

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

	8/16/12	Senior Vice President
Signature	Date	Title

Johnson Mirmiran and Thompson, Inc.  
Name of Firm



ATTACHMENT 11.8.6(b)  
CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

**Project No.: 0581-128-109, P101, RW201, C501, B627**

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

Camille J. Lam 8/15/2012  
Signature Date

President / owner  
Title

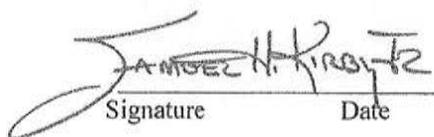
Hassan Water Resources, PLC  
Name of Firm

ATTACHMENT 11.8.6(b)  
CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

Project No.: 0581-128-109, P101, RW201, C501, B627

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

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 Signature	8/16/2012 Date	PRESIDENT Title
---	-------------------	--------------------

FROENLING & ROBERTSON, INC.  
Name of Firm

ATTACHMENT 11.8.6(b)  
CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

**Project No.: 0581-128-109, P101, RW201, C-501, B627**

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency.
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The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.

<u>Dennis C. Morrison</u>	<u>August 15, 2012</u>	<u>Senior Vice President</u>
Signature	Date	Title

Volkert, Inc.  
Name of Firm

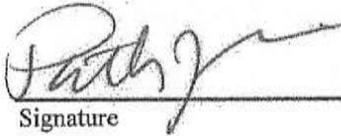
ATTACHMENT NO. 3.2.5(b)

**CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS**

Project No.: 0581-128-109, P101, RW201, C501, B627

- 1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- 2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

The undersigned makes the foregoing statements to be filed with the proposal submitted on behalf of the Offeror for contracts to be let by the Commonwealth Transportation Board.



August 20, 2012

Vice President of Finance

Signature

Date

Title

McCormick Taylor, Inc.

Name of Firm

**ATTACHMENT 11.8.6(b)**  
**CERTIFICATION REGARDING DEBARMENT**  
**LOWER TIER COVERED TRANSACTIONS**

**Project No.: 0581-128-109, P101, RW201, C501, B627**

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<u>Edward G. Drakos</u>	<u>August 15, 2012</u>	<u>Principal</u>
Signature	Date	Title

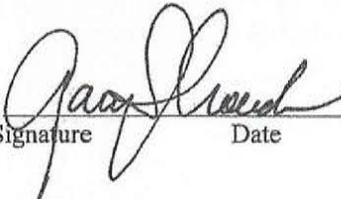
Schnabel Engineering Consultants, Inc.  
Name of Firm

ATTACHMENT 11.8.6(b)  
CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

Project No.: 0581-128-109, P101, RW201, C501, B627

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Signature                      Date                      Title

8/15/12                      Senior Vice President

Anderson & Associates Inc.  
Name of Firm

ATTACHMENT 11.8.6(b)  
CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

Project No.: 0581-128-109, P101, RW201, C501, B627

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 8.15.12 Brand manager  
Signature Date Title

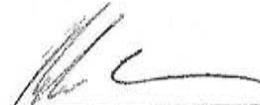
SIME, Inc.  
Name of Firm

ATTACHMENT 11.8.6(b)  
CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

Project No.: 0581-128-109, P101, RW201, C501, B627

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 8/15/12 VP  
Signature Date Title

Cherry Contracting, Inc / Cherry Precast  
Name of Firm

ATTACHMENT 11.8.6(b)  
CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

Project No.: 0581-128-109, P101, RW201, C501, B627

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Andrew Hubbers      8-15-12      President  
Signature                      Date                      Title

Sandwich Parking Co Inc.  
Name of Firm

ATTACHMENT 11.8.6(b)  
CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

Project No.: 0581-128-109, P101, RW201, C501, B627

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George A. J. [Signature]      08/16/12      PRESIDENT  
Signature                      Date                      Title

AGGREGATE RELOCATION SPECIALISTS, LLC  
Name of Firm

ATTACHMENT 11.8.6(b)  
CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

Project No.: 0581-128-109, P101, RW201, C501, B627

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Signature	Date	Title
C. Smith/Shay	17 Aug 2012	president
D+W Fence, Inc.		
Name of Firm		



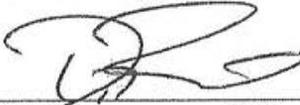
ATTACHMENT 11.8.6(b)  
CERTIFICATION REGARDING DEBARMENT  
LOWER TIER COVERED TRANSACTIONS

Project No.: 0581-128-109, P101, RW201, C501, B627

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 8/16/12 PRESIDENT  
Signature Date Title

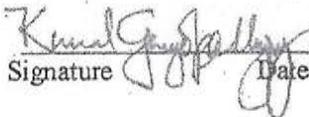
D.T. READ STEEL Co., Inc.  
Name of Firm

**ATTACHMENT 11.8.6(b)**  
**CERTIFICATION REGARDING DEBARMENT**  
**LOWER TIER COVERED TRANSACTIONS**

**Project No.: 0581-128-109, P101, RW201, C501, B627**

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	August 20, 2012	First Executive VP
Signature	Date	Title

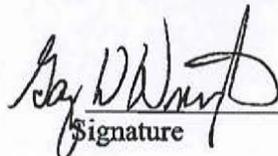
EBA Engineering, Inc.  
Name of Firm

**ATTACHMENT 11.8.6(b)**  
**CERTIFICATION REGARDING DEBARMENT**  
**LOWER TIER COVERED TRANSACTIONS**

**Project No.: 0581-128-109, P101, RW201, C501, B627**

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	11-1-12	President
Signature	Date	Title

Adams Construction Company

---

Name of Firm



Price Checklist



*Key Construction Company, Inc.*



**JOHNSON, MIRMIRAN & THOMPSON**  
*Engineering A Brighter Future®*

ATTACHMENT 4.0.1.2

**DESIGN-BUILD PRICE PROPOSAL  
CHECKLIST**

**Project Name: I-581/Valley View Boulevard Phase II**  
**Contract ID Number: C00016595DB45**

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➤ **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, 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**
  - 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))**
  - Debarment Form (Primary) – Attachment 11.8.6(a)**
  - Debarment Form(s) (Lower Tier) – Attachment 11.8.6(b)**
  - CD-ROM containing the entire Price Proposal in a single cohesive Adobe PDF file**
  - Attachment 3.6 Form C-78**
-



C-78

Attachment 3.6



*Key Construction Company, Inc.*



**JOHNSON, MIRMIRAN & THOMPSON**  
*Engineering A Brighter Future®*

**ATTACHMENT 3.6**

(Date Issued: September 14, 2012)

**COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF TRANSPORTATION**

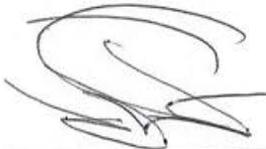
RFQ NO. C00016595DB45  
 PROJECT NO.: 0581-128-109, P101,RW 201, C501, B627

**ACKNOWLEDGEMENT OF RFP, REVISION AND/OR ADDENDA**

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

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

1. Cover letter of March 2, 2012 - RFP
2. Cover letter of June 21, 2012 - Addendum No. 1
3. Cover letter of July 10, 2012 – Addendum No. 2
4. Cover letter of Sept. 5, 2012 – Changes to RFP Requirements (Letter)
5. Cover letter of Sept. 13, 2012 – Interim Milestone (Letter)



SIGNATURE

November 5, 2012  
 DATE

Mark W. Nunn, CEO  
 PRINTED NAME AND TITLE



*Key Construction Company, Inc.*

P.O. Box 698  
11453 Hwy 15 South  
Clarksville, VA 23927



**JOHNSON, MIRMIRAN & THOMPSON**  
*Engineering A Brighter Future®*

9201 Arboretum Parkway  
Suite 310  
Richmond, VA 23236