

**Dominion Boulevard Construction Report**  
**For**  
**March - 2016**

**Posted 04-25-16**



## Dominion Boulevard Improvements

AC # 01-6004-05

UPC: 56187

VDOT Project No: (FO) 6017-131-109, PE-101, RW-201,  
C-501, B608, B609, B610, B611, B614, B615, B616, D608,  
&

C-502, B612, B613

FHWA No.: HPP-0017-5(023)



*Elizabeth River Bridges*

*Status Report as of March 31, 2016*

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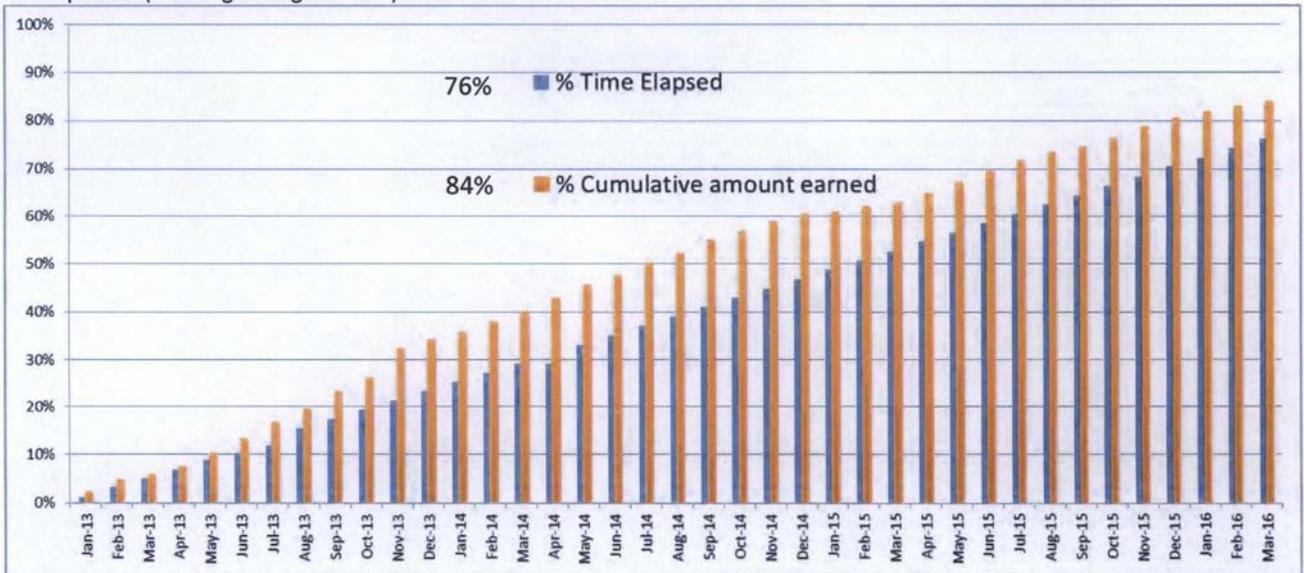
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**1. PROJECT STATUS (Schedule and Budget)**

Schedule		Budget	
Contract Type	Fixed Date	Original Contract Value	\$188,070,320
Fixed Contract Completion Date	04/01/2017	Exposure (Pending Change Orders)	\$1,337,963
Contract Duration (Days)	1,546	Expenditures (Approved Change Orders)	\$6,932,297
Time Extension (Days)	0	Exposure (Projected Quantity Overruns)	\$717,571
Current Contract Duration (Days)	1,546	Expenditures (Actual Quantity Overruns)	\$10,438,575
		11/26/2013 Council Resolution-Scope Mod <sup>1</sup>	\$2,275,393
Notice to Proceed	01/07/2013	Current Estimated Contract Value	\$209,772,119
First Day of Work	01/07/2013	Amount Paid Prior Periods	\$173,838,587
Contract Days Elapsed	1180	Amount Paid this Period	\$2,144,905
Contract Days Remaining	366	Cumulative Amount Paid	\$175,983,492
Estimated Completion Date	04/01/2017	Value Stock Piled Materials	\$6,802,176
		Total Contract Cost to Date	\$182,785,668
% Contract Work Complete	84%		
% Contract Days Elapsed	76%	% Current Estimated Contract Value Paid (Not Including Stored Materials)	84%
% Contract Time Remaining	24%	% Current Estimated Contract Value Remaining	16%

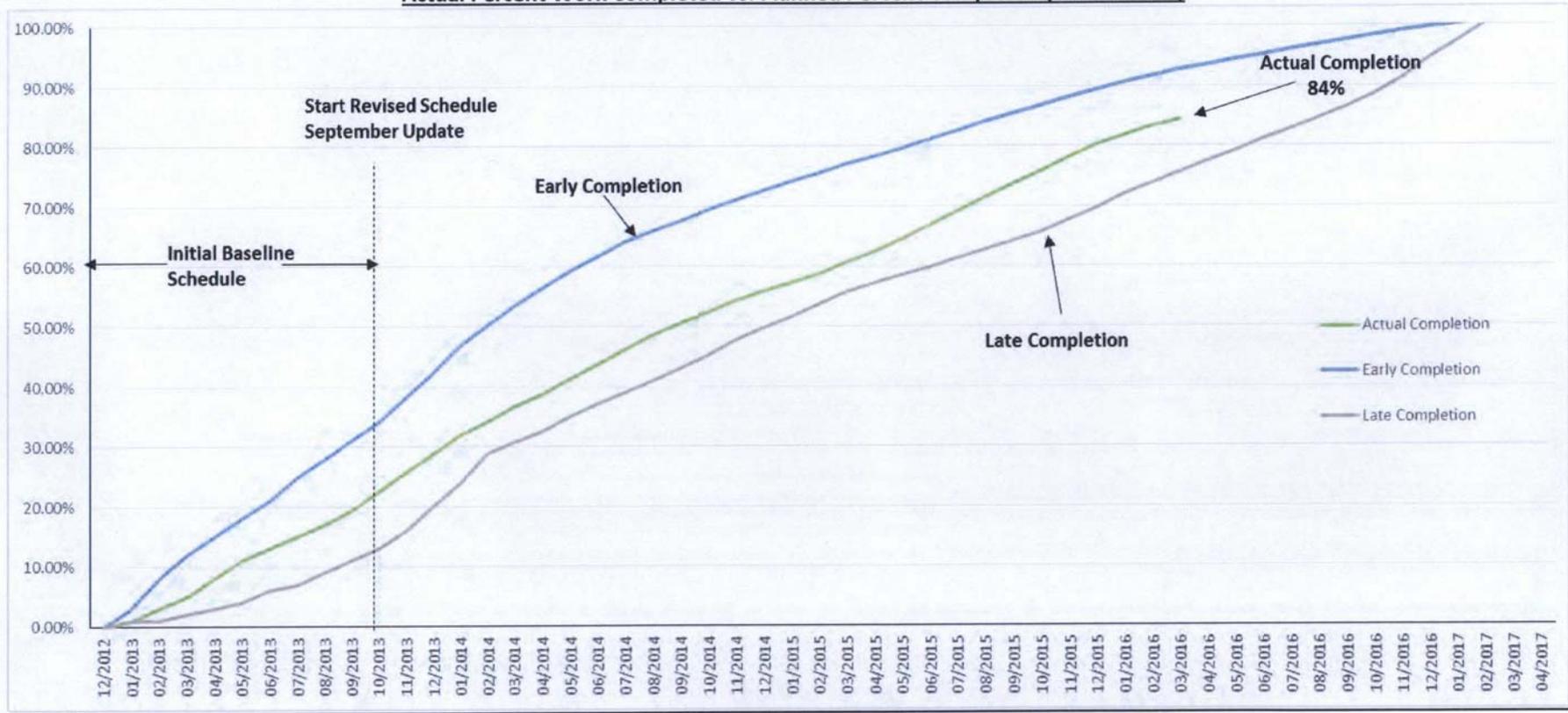
<sup>1</sup>Initial \$3,000,000 budget is reduced by \$724,606.90 for the estimated construction cost, which is now shown with the Exposure (Pending Change Orders) amount.



**Cumulative amount paid vs Time Elapsed (NTP to March 31, 2016)**

**SCHEDULE**

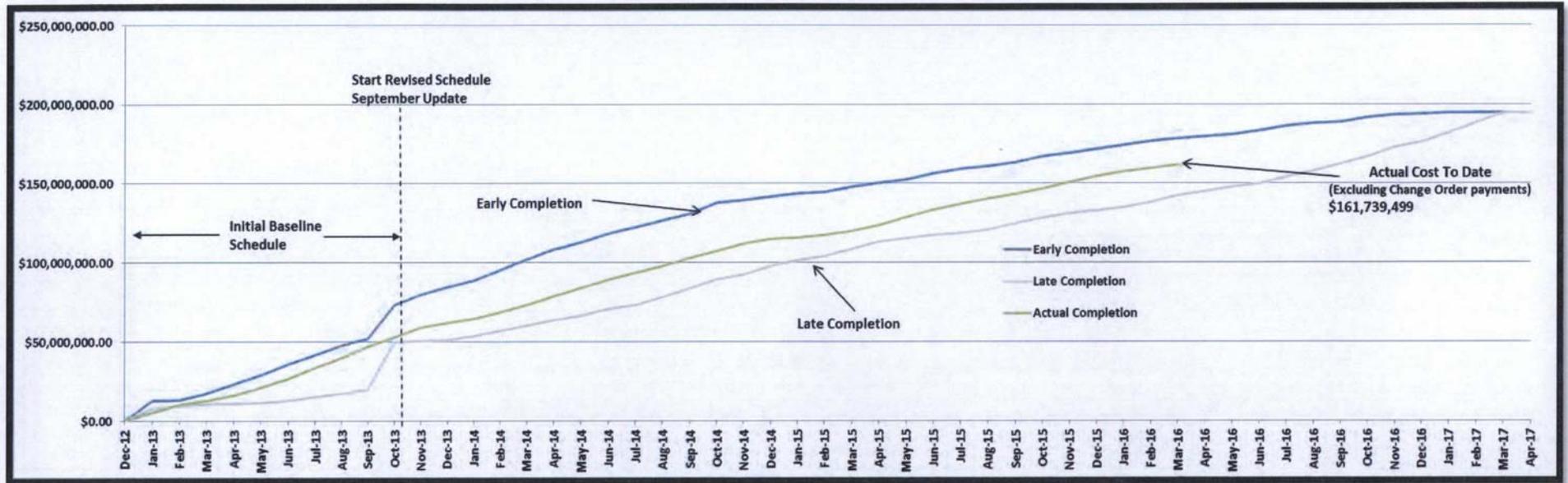
**Actual Percent Work Completed vs. Planned Percent Completed (All Activities)**



As of March 31, 2016

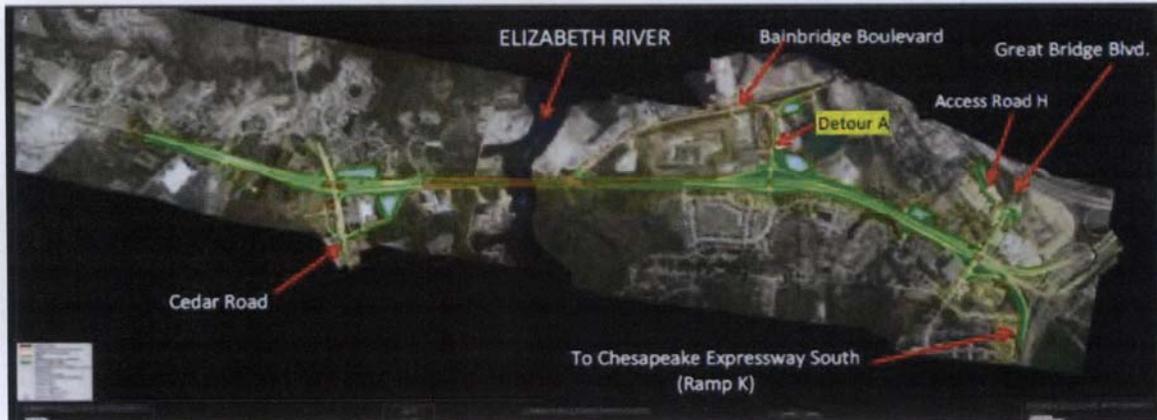
**BUDGET**

**Actual Contract Cost to Date vs. Planned Contract Cost to Date**



As of March 31, 2016

## 2. SIGNIFICANT ACCOMPLISHMENTS THIS MONTH (March 1–March 31, 2016)



Bridge Descriptions	
	<a href="#">B612</a> - Dominion Blvd SB over Cedar Road/Moses Grandy Trail
<a href="#">B608</a> - Dominion Blvd SB over Elizabeth River	<a href="#">B613</a> - Dominion Blvd NB over Cedar Road/Moses Grandy
<a href="#">B609</a> - Dominion Blvd NB over Elizabeth River	<a href="#">B614</a> - Dominion Blvd SB over Great Bridge Blvd
<a href="#">B610</a> - Dominion Blvd SB over relocated Bainbridge Blvd	<a href="#">B615</a> - Dominion Blvd NB over Great Bridge Blvd
<a href="#">B611</a> - Dominion Blvd NB over Dominion Lakes Blvd/Relocated Bainbridge Blvd.	<a href="#">B616</a> - Dom. Blvd./Rte. 168 SB Ramp over Great Bridge Blvd. to I-64 Ramp

### Prime Contractor

**DBC Joint Venture:** (McLean Contracting Co, RR Dawson Bridge Co, Bryant Contracting Inc. and EV Williams Inc.)

### Bridge Construction:

#### **B609 (Dominion Blvd NB over Elizabeth River) – 100% Complete:**

- Substantially completed Bridge B609 on 12/15/2014

#### **B608 (Dominion Blvd SB over Elizabeth River) – Approximately 70% Complete:**

- Continued placing concrete for pier caps and columns
- Continued placing concrete for bridge deck
- Completed first stage of post tensioning

#### **B616 (Dom. Blvd./Rte. 168 SB Ramp over Great Bridge Blvd. to I-64 Ramp) 100% Complete:**

- Substantially completed Bridge B616 on 9/29/2014

**B610 and B611 (Dominion Blvd SB and NB over relocated Bainbridge Blvd) – 100% Complete:**

- Opened B611 for traffic on 12/15/2014
- Substantially completed Bridge B610 on 12/15/2014

**B612 and B613 (Dominion Blvd SB and NB over Cedar Road/Moses Grandy) - Approximately 87% Complete:**

- Continued preparations for first stage of post tensioning for B612

**B614 and B615 (Dominion Blvd SB and NB over Great Bridge Blvd.) - Approximately 85% Complete**

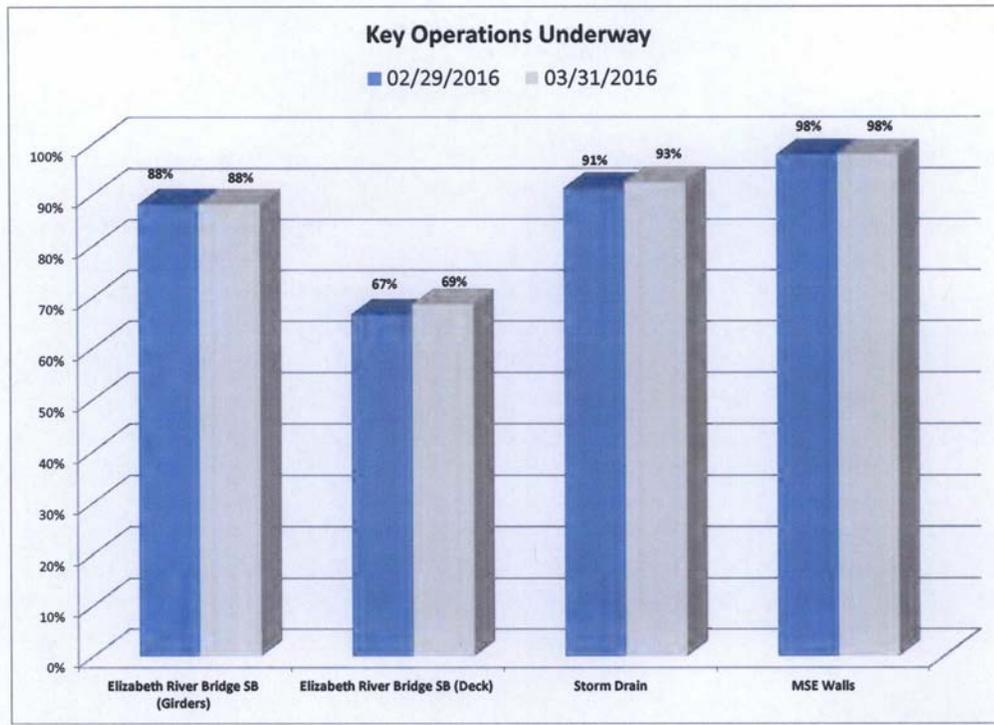
- Completed concrete deck placement for B614
- Continued concrete deck placement for B615

**Roadway Construction (DBC, Inc.):**

- Continued installation of storm drainage system at various locations
- Continued monitoring advanced settlement from embankment surcharges, completed at several locations.
- Continued construction of ramps and roadway construction at the north and south ends of the project

**Major Subcontractors**

- **Bissette Construction Corp**
  - Continued installation of storm drain systems south of Elizabeth River at various locations along Cedar Road/Moses Grandy
  - Continued placing concrete curb along Cedar Road and Moses Grandy Trail
- **Virginia Sign and Lighting**
  - Continued installing lighting conduits, poles and controls
- **Virginia Paving Co.**
  - Continued milling of Ramp A/Dominion Blvd Mainline SB
- **Reliance Concrete Contractors**
  - Not on site
- **Lasting Coastline Inc.**
  - Continued placing concrete barrier on various MSE Walls
- **Roche Bros.**
  - Continued construction of MSE Walls 5 and 7



**3. PROJECT KEY OPERATION STATUS as of 03/31/2016**

Key Operations Completed	Month Completed
Elizabeth River Bridge NB (Bent Caps)	Aug-13
Elizabeth River Bridge NB (Piles)	Sep-13
Open Detour A	Oct-13
Elizabeth River Bridge NB (River Footings)	Nov-13
Opened relocated Dom Blvd. at Cedar Road	Jan-14
Partially opened Access A and Access AA	Mar-14
Opened Blake Street	Apr-14
Completed Setting Navigation Span Beams	May-14
Opened permanent intersection for Access A/AA at Cedar Road.	Jun-14
Completed Stage 1 Post-Tensioning for B609 spliced Girders	Jul-14
Completed Dominion Lakes Blvd. entrance	Aug-14
Completed Driving Piles at B610 and B611	Aug-14
Completed Soil Nail Wall construction	Sep-14
Completed B609 Spliced Girder Post Tensioning	Oct-14
Completed Bridge decks for B609	Nov-14
Opened B609 and B611 on Dec. 15th	Dec-14
Completed all Test Piles	Mar-15
Completed all Ground Improvement Piles	Jun-15
Completed installing wick drains	Jun-15
Completed all pile driving operations	Sep-15
Completed placing all concrete bridge footings	Nov-15
Opened B613 on Feb. 3rd	Feb-16
Completed all settlement monitoring	Mar-16

## MAINTENANCE OF TRAFFIC

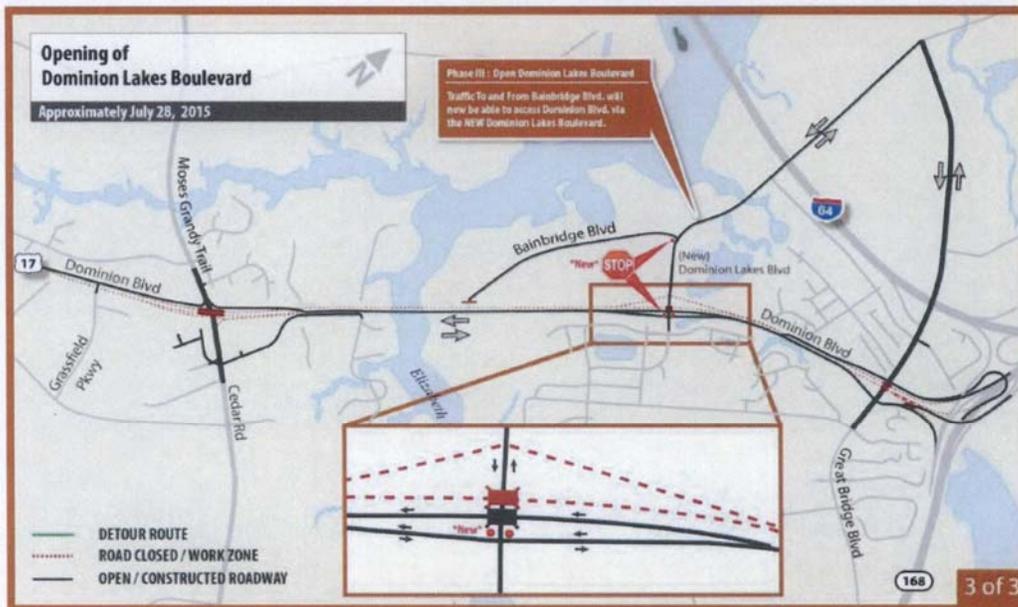
### Lane Closures

- Various temporary lane closures throughout project including night-time closures to minimize impacts to motorists
- Traffic on Dominion Blvd. shifted to B613 for SB traffic and NB traffic currently using new ramps (similar to the current traffic pattern at Dominion Lakes).



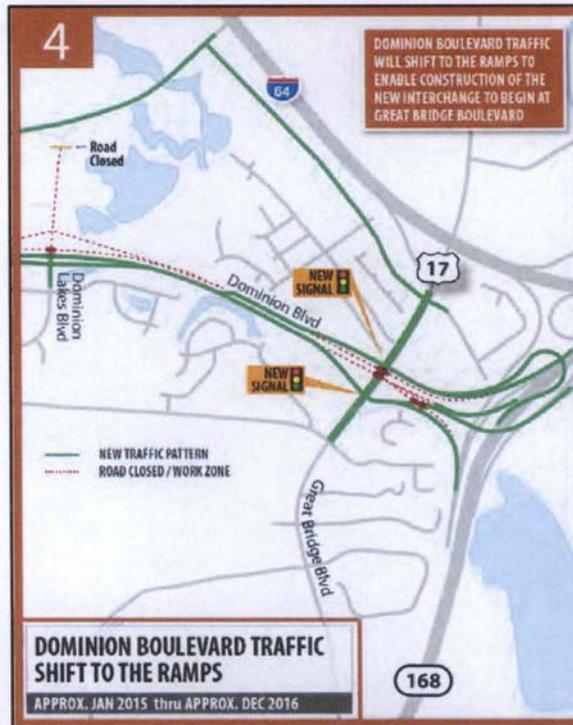
Traffic at Dominion Blvd/Cedar Road Intersection

- Northbound and southbound Dominion Blvd. traffic continues to use the new bridge B609 over Elizabeth River. Bainbridge Blvd traffic is able to access Dominion Blvd via the newly constructed Dominion Lakes Blvd interchange.



Arrows show traffic patterns at Dominion Lakes Interchange

- Traffic on Dominion Blvd. is temporarily shifted to the ramps to enable construction of the new Great Bridge Blvd Interchange.



Traffic at Dominion Blvd./Great Bridge Blvd. Intersection

**4. ANTICIPATED WORK PLANNED FOR NEXT MONTH (04/01/16 – 04/30/16)****DBC Joint Venture**

- B608 (Dominion Blvd. SB Bridge over Elizabeth River)
  - Continue substructure construction south of the river
  - Begin placing deck concrete at south end of B608
  - Complete concrete placement for the navigation span
- B612 and B613 (Dominion Blvd SB and NB over Cedar Road/ Moses Grandy)
  - Complete Stage I post tensioning for B612
- B614 and B615 (Dominion Blvd SB and NB over Great Bridge Blvd.)
  - Complete placing concrete for the approaches
- Continue roadway construction at Great Bridge Boulevard and Cedar Road.

**Roche Brothers**

- Complete construction of MSE Wall No. 7
- Continue construction of MSE Wall No. 5

**Reliance Concrete Contractors Inc.**

- Continue placing curb and gutter at various locations
- Continue concrete placement for moment slabs at various MSE Walls

**Virginia Sign and Lighting**

- Continue installing sign foundations at various locations
- Continued installing lighting conduits, poles and controls
- Continue placing foundations for Overhead Signs

**Virginia Paving**

- Not on site

**Lasting Coastline**

- Continue placing F-shaped barriers on various MSE Walls

**5. CHANGE ORDERS AND QUANTITY OVERRUNS**

Requested Change Orders			
Change Order Number	Scope	Exposure from Change Orders (\$)	Expenditures from Change Orders (\$)
01	Add Flaggers & Portable Changeable Message Signs		\$91,071.25
02	Replace Porous fill with strip drains at MSE Walls		(\$1,444,802.94)
03	Raise B608 & B609 Bridge Footings		(\$810,117.50)
04	Add'l electric service per plan Rev. 1/18/2013		\$139,651.02
05	Add #57 stone to the contract		\$851,600.00
06	Add Trainees to the contract		\$45,000.00
07	2" HDPE Conduit - Bored		\$25,747.68
08	8" Sanitary Force Main Under Wetlands		\$22,601.25
09	B609 Pier 14 Pile Modif.		\$831,940.75
10	Temp. Signal at Bainbridge and Sta. 55+50		\$73,977.55
11	Type D Removable Pavement Markings for Concrete		\$47,400.00
12	Removal of Concrete Barriers (\$12.50/LF)		\$6,000.00
13	Ramp K/MSE Wall 22 Wick Drains		\$305,633.61
14	Demolition/Removal of Existing Sound Wall		\$72,643.23
15	Disposal of Unsuitable Material (base on 140,000 cy)		\$6,025,600.00
16	MSE Walls at Bridge Abutments B610-B615		(\$239,207.30)
17	Delete Aesthetic Treatment		(\$1,838,302.58)
18	4 inch water meters at Great Bridge & Cedar		\$10,772.06
19	Relocation of the Pressure Sensor Telemetry Cabinet; 8/29/2013 Questions to DBC		\$23,457.35
20	Water Meter Vault at DR-1J50-1		\$11,157.98
21	Anti-Graffiti Paint - 8/26 Rec'd DBC's Revised Scope		\$219,823.36
22	16 inch Waterline Repairs at Bainbridge		\$18,116.70
23	Temp. Street lights at Cedar/Dominion Blvd		16,717.73
24	Soil Nail Wall		\$247,184.50
25	12" x 12" x 8" Junction Boxes		\$36,026.55
26	Installation of Leak Detectors Water/Sewer Casings		\$47,359.48
27	New High Mast Light Assembly		\$60,454.18
28	Grass Cutting		\$152,556.48
29	Missing Pay Items: RW2, RW3, Impact Attenuators		\$361,862.19
30	Replace MC-3B Asphalt Curb with Conc. Curb (VEP 07)		-\$39,402.03
31	Remove Existing Sign Structures		\$6,192.66
32	GPS As-Builts of Utilities		\$84,527.20
33	Plan Revision No. 14 Additional Work		\$476,877.44
34	Soil Nail Walls - Additional Work		\$141,766.40
35	Replace existing junction boxes		\$15,192.04
36	Wireless System Coaxial Cable for Traffic Signals		\$22,085.04
37	MSE Wall Redesign		\$318,630.21
38	Conflict Manhole at 4" Sanitary Force Main		\$8,095.62
39	CCW Type D Lighting Control Cabinets		\$125,028.30
40	Bored conduit for Utility Relocations at B614/B615		\$99,564.40
41	Obstruction at 18" Jack and Bore		\$24,795.13
42	VDOT VMS Sign Removal/Reinstall		\$66,935.33
	VMS Conductor Cable (combined with CO 42 VMS Removal)		
43	VEP No. 9 MSE Wall i.l.o. RW-3 Wall (Credit)		(\$35,987.69)
44	Temporary Drainage at Detour A		\$17,634.06
45	Additional Restrained Waterline		\$10,793.22
46	Obstructions between Str. 23N-1 and 23N-2		\$19,240.31
47	Additional Work Associated with Revision 10		\$36,767.40
48	24" Waterline tie-in delays at Cedar Road		\$16,731.79
	Additional Cost 16" Waterline Tie-in at River (Combined with CO 48)		
49	Waterline Joint Restraint at Great Bridge Blvd.		\$4,701.38
50	Elec. power for Ped. Tunnel Lightng and High Mast Lighting		\$52,346.60
51	Plan Revision No 12 Add'l Cost Savings Ref. VEP 6		(\$34,893.45)
52	Plan Revision Nos. 19,19A, and 21		\$7,344.33
53	Plan Revision No. 12 Add'l Wick Drains, Mob, Settlement Plates		\$10,463.33
54	B609 Pier No. 3-8 Rebar Changes to Caps		\$21,025.08
55	18 inch Storm Pipe MSE Wall 6 Str. 10-1 to 10-5		\$23,774.98
56	Payment for Pile Cutoffs		\$20,143.81
57	Plan Rev. Nos. 28 and 29 Parcel Revisions	\$15,538.71	
58	VPDES Permit Re-application and Maintenance Fee	\$16,054.34	
59	Structure 32-10 Add.	\$8,803.44	
60	DMS Post Structure Replacement	\$45,846.75	
	VMS Meter Pedestal Ref. Plan Rev. No. 11 (Combined with CO 60)		
61	Plan Rev. 26 Entrance 9N-2; Reloc Sanitary Force Main Ramp CA	\$70,209.02	
62	Demo of Parxcel 011 Structures	\$21,694.26	
63	Plan Rev 25 Mullen Drive Extension	\$725,491.32	
(TBD)	Plan Rev. No. 8 8" PVC Sewer	\$16,808.21	
(TBD)	Removal of Underground Water Storage Tanks	\$15,065.49	
(TBD)	Installation of Verizon Vaults and Pedestals	\$64,255.85	
(TBD)	24" x 6" Reducer for Additional Fire Hydrant	\$4,172.63	
(TBD)	Connection of Existing Sewer Laterals to New, Relocated Sewer Main	\$18,061.62	
(TBD)	Remove/Salvage Existing Signal Equipment	\$39,115.32	
(TBD)	Plan Revision No. 13 Additional Work	\$19,456.14	
(TBD)	Plan Revision No. 15 Additional Work	\$29,528.83	
(TBD)	Remove Existing Sign Structures D704 & D14	\$8,214.60	
(TBD)	Changes to Dominion Lakes Signage	\$35,128.95	
(TBD)	B612 Pier 1 Additional Pile Cost	\$51,460.13	
(TBD)	Additional Asbestor Bridge Demo	\$8,457.11	
(TBD)	Cedar Rd. Underbridge Traffic Signal Conduits	\$77,192.23	
	<b>TOTAL</b>	<b>\$1,290,648.95</b>	<b>\$6,932,297.47</b>



**Unit Price Item Quantities – Projected and Actual Overruns**

111	CLEARING AND GRUBBING	28.16	AC	\$ 7,700.00	\$ 216,832.00
120	REGULAR EXCAVATION	43621	CY	\$ 29.00	\$ 1,265,009.00
212	MINOR STRUCTURE EXCAVATION BOX CULVERT	1280	CY	\$ 35.00	\$ 44,800.00
505	BEDDING MATERIAL AGGR. NO. 25 OR 26	2800	TON	\$ 78.50	\$ 219,800.00
27500	GEOTEXTILE FABRIC	26054.67	SY	\$ 6.70	\$ 174,566.29
525	CONCRETE CLASS A3 MISC.	84	CY	\$ 2,913.26	\$ 244,713.84
2192	30" X 19" ELLIPTICAL CONC. PIPE	341	LF	\$ 150.00	\$ 51,150.00
27550	STORMWATER MANAGEMENT DRAINAGE STRUCTURE SWM-1	23	LF	\$ 6,232.87	\$ 143,356.01
9148	EROSION CONTROL STONE (CLASS A1), EC-1	978	SY	\$ 111.98	\$ 109,516.44
9150	EROSION CONTROL STONE (CLASS I), EC-1	3705	SY	\$ 147.48	\$ 546,413.40
85003	UNDERCUT EXC @ TWICE REG EXC	36105.43	CY	\$ 50.00	\$ 1,805,271.50
10636	ASPHALT CONCRETE TY. SM-9.5D	1750	TON	\$ 75.00	\$ 131,250.00
10128	AGGR. BASE MATL. TY. I NO. 21B	25431	TON	\$ 28.23	\$ 717,917.13
10417	TACK COAT	2180	GAL	\$ 15.90	\$ 34,662.00
10630	FLEXIBLE PAVEMENT PLANING	34400	SY	\$ 2.23	\$ 76,712.00
12940	ENTRANCE GUTTER CG-9D	427.4	SY	\$ 70.73	\$ 30,230.00
13487	MEDIAN BARRIER MB-8A TYPE III	572	LF	\$ 162.83	\$ 93,138.76
22643	FENCE FE-CL	3800	LF	\$ 12.19	\$ 46,322.00
51910	SAW CUT	17250	LF	\$ 2.07	\$ 35,707.50
24703	NS REMOVE EXIST. (PIPE)	1977	LF	\$ 25.94	\$ 51,283.38
9151	EROSION CONTROL STONE, EC-1 (STD. PG-3 TYPE I, CLASS I)	397	SY	\$ 83.27	\$ 33,058.19
27321	PROTECTIVE COVERING EC-2	84383	SY	\$ 1.35	\$ 113,917.05
13570	NS RETAINING WALL SOIL NAIL	626	SF	\$ 200.04	\$ 125,225.04
13570	NS RETAINING WALL TEMPORARY	12160	SF	\$ 30.00	\$ 364,800.00
2093	NS PRE-DRILLING OF WICK DRAINS	944854.005	LF	\$ 1.85	\$ 1,747,979.91
64808	DRIVING TEST FOR PRESTRESSED CONCRETE PILES 12"	1319	LF	\$ 55.00	\$ 72,545.00
27102	REGULAR SEEDING	2000	LB	\$ 15.00	\$ 30,000.00
39004	NS TEMPORARY SEEDING	2500	LB	\$ 15.00	\$ 37,500.00
515	TEMPORARY SHEET PILING	10000	SF	\$ 25.00	\$ 250,000.00
10065	AGGR. MATL. NO. 1	1000	TON	\$ 35.91	\$ 35,910.00
24278	GROUP II CHANNELIZATION DEVICES	427050	DAY	\$ 0.14	\$ 59,787.00
24283	POLICE PATROL	3200	HR	\$ 42.40	\$ 135,680.00
54242	TEMP. PAVE. MARKER 2 WAY	3650	EA	\$ 7.95	\$ 29,017.50
54550	CONSTR. PAVE. MARK. (TY. F, CL I) 4"	425100	LF	\$ 0.25	\$ 106,275.00
56052	BORED CONDUIT 4"	31580	LF	\$ 32.90	\$ 1,038,982.00
56053	2" PVC CONDUIT	38330	LF	\$ 2.25	\$ 86,242.50
56055	4" PVC CONDUIT	12393.04	LF	\$ 4.81	\$ 59,610.52
64416	PRESTR. CONCRETE PILES 16"	786	LF	\$ 65.00	\$ 51,090.00
61704	CORROSION RESISTANT REINF. STEEL (Plan Quantity)	17439.2	LB	\$ 2.00	\$ 34,878.40
64424	PRESTR. CONCRETE PILES 24"	400.6	LF	\$ 80.00	\$ 32,048.00
64868	DRIVING TEST FOR 24" PRESTR. CONC. PILE	237	LF	\$ 150.00	\$ 35,550.00
64416	PRESTR. CONCRETE PILES 16"	570.77	LF	\$ 65.00	\$ 37,100.05
40081	8" DI WATER MAIN	1220	LF	\$ 47.74	\$ 58,242.80
40992	NS 4" BEND	11	EA	\$ 2,766.65	\$ 30,433.15
42080	8" PVC SAN PIPE	269.35	LF	\$ 157.15	\$ 42,328.35
41982	NS 4" OFFSET	6	EA	\$ 4,705.65	\$ 28,233.90
44301	NS FURNISH and INSTALL 24" LINSTOP	2	EA	\$ 73,658.52	\$ 147,317.04
38900	NS SALT MARSH CORDGRASS, 2" PLUG	29671	EA	\$ 1.95	\$ 57,858.45
42080	8" DI SAN PIPE	365	LF	\$ 93.51	\$ 34,131.15
	Miscellaneous				\$ 201,753.96
	Total				\$ 11,156,146.22

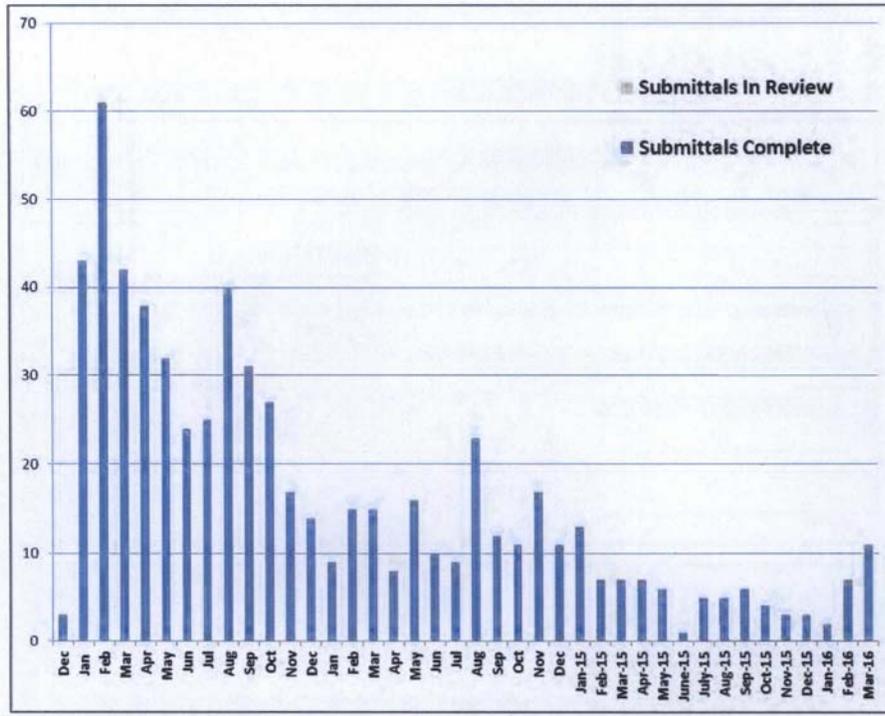
**Summary Unit Price Item Overruns:**

Current Projected Quantity Overruns	\$ 11,156,146.22
Actual Quantity Overruns	\$ 10,438,574.97
Net Projected Quantity Overruns	\$ 717,571.25

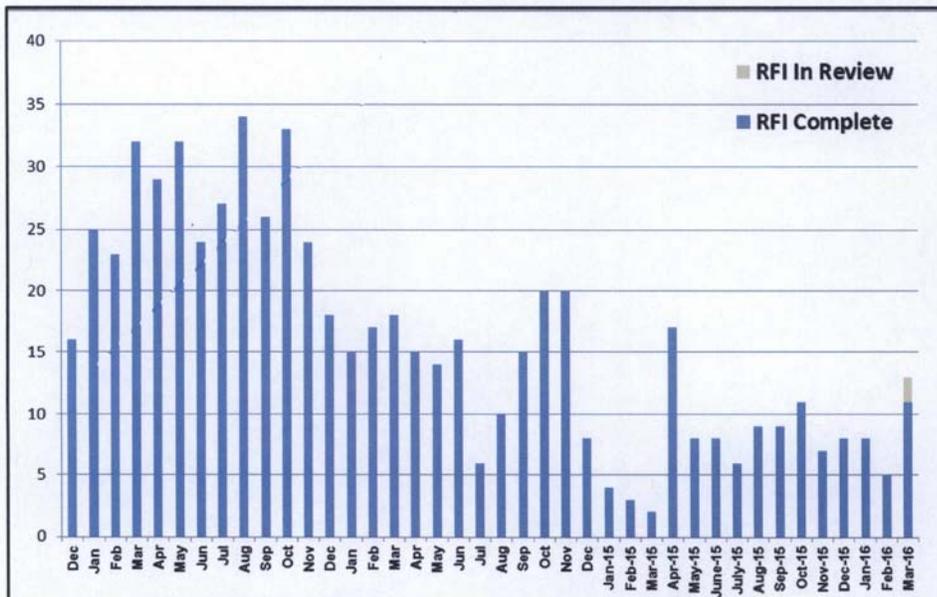


Unit Price Item Quantity Overruns (Actual Quantity Overruns)					
Item Number	Description	Actual Quantity Overrun	Units	Unit Price	Actual Cost Overrun
111	CLEARING AND GRUBBING	28.16	AC	\$ 7,700.00	\$ 216,832.00
120	REGULAR EXCAVATION	43703.81	CY	\$ 29.00	\$ 1,267,410.49
212	MINOR STRUCTURE EXCAVATION BOX CULVERT	1195.83	CY	\$ 35.00	\$ 41,854.05
505	BEDDING MATERIAL AGGR. NO. 25 OR 26	2688.74	TON	\$ 78.50	\$ 211,066.09
27500	GEOTEXTILE FABRIC	26020.98	SY	\$ 6.70	\$ 174,340.57
525	CONCRETE CLASS A3 MISC.	76.55	CY	\$ 2,913.26	\$ 223,010.05
1242	24" CONC. PIPE	201.11	LF	\$ 76.22	\$ 15,328.60
1482	48" CONC. PIPE	100.9	LF	\$ 208.18	\$ 21,005.36
2192	30" X 19" ELLIPTICAL CONC. PIPE	341	LF	\$ 150.00	\$ 51,150.00
2292	45" X 29" ELLIPTICAL CONC. PIPE	48	LF	\$ 252.39	\$ 12,114.72
6818	DROP INLET DI-3B, L=6'	2	EA	\$ 5,196.30	\$ 10,392.60
8271	DROP INLET DI-10K TYPE III, L=6'	2	EA	\$ 5,633.48	\$ 11,266.96
27550	STORMWATER MANAGEMENT DRAINAGE STRUCTURE SWM-1	22.9	LF	\$ 6,232.87	\$ 142,732.72
9056	MANHOLE MH-1OR MH-2	18	LF	\$ 853.96	\$ 15,371.28
24825	NS MODIFY EXISTING STRUCTURE	7	EA	\$ 2,869.02	\$ 20,083.14
9148	EROSION CONTROL STONE (CLASS A1), EC-1	917.27	SY	\$ 111.98	\$ 102,715.89
9150	EROSION CONTROL STONE (CLASS I), EC-1	3680.71	SY	\$ 147.48	\$ 542,831.11
85003	UNDERCUT EXC @ TWICE REG EXC	36107.43	CY	\$ 50.00	\$ 1,805,371.50
10636	ASPHALT CONCRETE TY. SM-9.5D	172.6	TON	\$ 75.00	\$ 12,945.00
10128	AGGR. BASE MATL. TY. I NO. 21B	22902.18	TON	\$ 28.23	\$ 646,528.54
10417	TACK COAT	1258.61	GAL	\$ 15.90	\$ 20,011.90
10630	FLEXIBLE PAVEMENT PLANING	34378.69	SY	\$ 2.23	\$ 76,664.48
12940	ENTRANCE GUTTER CG-9D	418.69	SY	\$ 70.73	\$ 29,613.94
13487	MEDIAN BARRIER MB-8A TYPE III	226	LF	\$ 162.83	\$ 36,799.58
22643	FENCE FE-CL	1509	LF	\$ 12.19	\$ 18,394.71
24602	REMOVE EXISTING (FENCE)	6771	LF	\$ 3.18	\$ 21,531.78
51910	SAW CUT	17166	LF	\$ 2.07	\$ 35,533.62
24703	NS REMOVE EXIST. (PIPE)	1626	LF	\$ 25.94	\$ 42,178.44
9151	EROSION CONTROL STONE, EC-1 (STD. PG-3 TYPE I, CLASS I)	371.49	SY	\$ 83.27	\$ 30,933.97
27321	PROTECTIVE COVERING EC-2	82215.25	SY	\$ 1.35	\$ 110,990.59
13570	NS RETAINING WALL SOIL NAIL	626	SF	\$ 200.04	\$ 125,225.04
13570	NS RETAINING WALL TEMPORARY	12082.3	SF	\$ 30.00	\$ 362,469.00
2093	NS PRE-DRILLING OF WICK DRAINS	944854	LF	\$ 1.85	\$ 1,747,979.90
64808	DRIVING TEST FOR PRESTRESSED CONCRETE PILES 12"	1313	LF	\$ 55.00	\$ 72,215.00
69412	PRESTRESSED CONCRETE PILES 12"	-9144	LF	\$ 20.00	\$ (182,880.00)
272	SELECT MATERIAL, TYPE I	398.09	CY	\$ 59.57	\$ 23,714.22
27102	REGULAR SEEDING	1864.46	LB	\$ 15.00	\$ 27,966.90
39004	NS TEMPORARY SEEDING	2212	LB	\$ 15.00	\$ 33,180.00
27410	CHECK DAM, ROCK-TYPE I	31	EA	\$ 370.67	\$ 11,490.77
27526	TURBIDITY CURTAIN, IMPERVIOUS	1426	LF	\$ 18.02	\$ 25,696.52
515	TEMPORARY SHEET PILING	6806.43	SF	\$ 25.00	\$ 170,160.75
10065	AGGR. MATL. NO. 1	698.6492	TON	\$ 35.91	\$ 25,088.49
24278	GROUP II CHANNELIZATION DEVICES	237765	DAY	\$ 0.14	\$ 33,287.10
24283	POLICE PATROL	3028.7	HR	\$ 42.40	\$ 128,416.88
54240	TEMP. PAVE. MARKER 1 WAY	3293	EA	\$ 7.95	\$ 26,179.35
54242	TEMP. PAVE. MARKER 2 WAY	3212	EA	\$ 7.95	\$ 25,535.40
54550	CONSTR. PAVE. MARK. (TY. F, CL I) 4"	418058.77	LF	\$ 0.25	\$ 104,514.69
56052	BORED CONDUIT 4"	31261	LF	\$ 32.90	\$ 1,028,486.90
56053	2" PVC CONDUIT	38170	LF	\$ 2.25	\$ 85,882.50
56055	4" PVC CONDUIT	9222	LF	\$ 4.81	\$ 44,357.82
56200	TRENCH EXCAVATION EC-1	2930	LF	\$ 4.59	\$ 13,448.70
55588	IN-GRADE JUNCTION BOX (JB-S1, S2 OR S3)	8	EA	\$ 1,500.00	\$ 12,000.00
64416	PRESTR. CONCRETE PILES 16"	707	LF	\$ 65.00	\$ 45,955.00
536	NS CONCRETE CLASS A5, SPliced GIRDER DECK, 5 KSI	24	CY	\$ 650.00	\$ 15,600.00
61704	CORROSION RESISTANT REINF. STEEL (Plan Quantity)	17439	LB	\$ 2.00	\$ 34,878.00
64101	DYNAMIC PILE TEST (FRICTION PILES)	4.333	EA	\$ 3,000.00	\$ 12,999.00
64416	PRESTR. CONCRETE PILES 16"	338	LF	\$ 65.00	\$ 21,970.00
66120	COFFERDAM	-21	EA	\$ 27,500.00	\$ (577,500.00)
64868	DRIVING TEST FOR 24" PRESTR. CONC. PILE	238	LF	\$ 150.00	\$ 35,700.00
60404	CONCRETE CLASS A4	24.6	CY	\$ 580.00	\$ 14,268.00
60404	CONCRETE CLASS A4	25.7	CY	\$ 580.00	\$ 14,906.00
64101	DYNAMIC PILE TEST (FRICTION PILES)	3.333	EA	\$ 5,000.00	\$ 16,665.00
64416	PRESTR. CONCRETE PILES 16"	335	LF	\$ 60.00	\$ 20,100.00
66921	NS BRIDGE SUB-STRUCTURE PRE-BORING (16" PRESTRESSED	460	LF	\$ 25.00	\$ 11,500.00
64416	PRESTR. CONCRETE PILES 16"	569	LF	\$ 65.00	\$ 36,985.00
64824	DRIVING TEST FOR 16" PRESTR. CONC. PILE	191	LF	\$ 100.00	\$ 19,100.00
64824	DRIVING TEST FOR 16" PRESTR. CONC. PILE	190	LF	\$ 100.00	\$ 19,000.00
61704	CORROSION RESISTANT REINF. STEEL (Plan Quantity)	5690	LB	\$ 1.80	\$ 10,242.00
40061	6" DI WATER MAIN	483	LF	\$ 42.31	\$ 20,435.73
40081	8" DI WATER MAIN	753.84	LF	\$ 47.74	\$ 35,988.32
40121	12" DI WATER MAIN	202	LF	\$ 83.54	\$ 16,875.08
40161	16" DI WATER MAIN	147	LF	\$ 86.80	\$ 12,759.60
40408	18" BEND	4	EA	\$ 2,820.91	\$ 11,283.64
40992	NS 8" BEND	26	EA	\$ 515.36	\$ 13,399.36
40992	NS 4" BEND	9	EA	\$ 2,766.65	\$ 24,899.85
42047	4" PVC SAN FM	361.82	LF	\$ 45.49	\$ 16,459.19
41982	NS 4" OFFSET	6	EA	\$ 4,705.65	\$ 28,233.90
44301	NS FURNISH and INSTALL 24" LINSTOP	2	EA	\$ 73,658.52	\$ 147,317.04
38900	NS SALT MARSH CORDGRASS, 2" PLUG	29671	EA	\$ 1.95	\$ 57,858.45
40992	3" BEND	5	EA	\$ 2,169.93	\$ 10,849.65
42080	8" DI SAN PIPE	365	LF	\$ 93.51	\$ 34,131.15
40006	2" WATER SERVICE LINE	198	LF	\$ 54.25	\$ 10,741.50
	Misc				\$ 333,554.87
	Total				\$ 10,438,574.97

## 6. RFI AND SUBMITTAL STATUS



Total Number of Submittals = 642; Number of Submittals in review = 0;



Total Number of RFI = 636; Number of RFI in review = 2;

**7. SCHEDULE MILESTONES**

The contractor submitted CPM schedule Update 33 with a data date of 3/25/2016. Update 33 has the projected completion on February 07, 2017 which is ahead of the contract completion date. The following chart summarized the current milestones in DBC's schedule and a comparison of projected Early Finish/Late Finish dates with the January 2016 CPM schedule update.

**Milestones**

Activity ID	Activity Name	Status	February 2016 Update 32		March 2016 Update 33		Actual Finish
			Early Finish	Late Finish	Early Finish	Late Finish	
1MS1010	Access Road C Complete	Not Completed	6/21/2016	3/31/2017	7/5/2016	3/31/2017	
1MS1030	Great Bridge Blvd Through Ramps complete	Not Completed	8/2/2016	3/31/2017	8/25/2016	3/31/2017	
1MS1040	B615 Complete	Not Completed	5/3/2016	10/19/2016	5/30/2016	10/19/2016	
1MS1045	B614 Complete	Not Completed	5/3/2016	10/19/2016	5/30/2016	10/19/2016	
294TS1260	Completion of All Pre-Installation Testing	Not Completed	5/30/2016	12/23/2016	6/27/2016	12/23/2016	
294TS1270	Site Installation Complete	Not Completed	5/30/2016	12/23/2016	6/27/2016	12/23/2016	
2MS1170	B-608 Complete	Not Completed	12/2/2016	2/9/2017	12/15/2016	2/9/2017	
2MS1190	Ramp F & Bainbridge Blvd. Complete	Not Completed	8/24/2016	2/9/2017	9/9/2016	2/9/2017	
2MS1210	ORT Final Acceptance	Not Completed	1/11/2017	3/31/2017	1/15/2017	3/31/2017	
361EW1200	Station 361 to B614/B615 Complete SB	Not Completed	8/24/2016	2/9/2017	9/9/2016	2/9/2017	
361EW1280	B614/B615 Through Ramps Complete	Not Completed	8/2/2016	3/31/2017	8/25/2016	3/31/2017	
361EW1480	Station 361 to B614/B615 Complete NB	Not Completed	5/3/2016	10/19/2016	5/30/2016	10/19/2016	
3MS1020	Phase 3 Complete/ Cedar Mainline	Not Completed	3/28/2016	2/13/2017	4/21/2016	2/13/2017	
3MS1030	Cedar Road/Moses Grandy Complete	Not Completed	4/19/2016	3/31/2017	5/9/2016	3/31/2017	
608-M8130	Existing Bridge Demolition Complete	Not Completed	3/9/2016	2/13/2017	4/7/2016	2/13/2017	
612-M9000	B612 Complete	Not Completed	9/19/2016	2/9/2017	10/10/2016	2/9/2017	
613-M9000	B613 Complete	Not Completed	3/16/2016	10/5/2016	4/14/2016	2/13/2017	
GBMS1050	Great Bridge Blvd Phase 1 Complete	Not Completed	3/21/2016	3/31/2017	4/18/2016	3/31/2017	
MS0020	Contract Completion	Not Completed	1/25/2017	3/31/2017	2/7/2017	3/31/2017	
MS1020	Early Completion	Not Completed	9/22/2016	9/22/2016	9/22/2016	9/22/2016	
RKEW4150	Ramp K Complete	Not Completed	7/6/2016	3/31/2017	8/4/2016	3/31/2017	
RLEW1080	Place Traffic on completed Ramps R & L	Not Completed	7/6/2016	2/13/2017	8/4/2016	2/13/2017	
ROUT1090	Ramp O Complete	Not Completed	5/3/2016	3/31/2017	5/30/2016	3/31/2017	
AHEW1080	Access Road H Complete	Completed					7/26/2013
609-D1010	Clearing and Access Complete	Completed					3/22/2013
RKUT4110	Ramp K Utilities Complete	Completed					6/10/2013
RNEW1000	Ramp N Ground Improvements (Tied to RKEW4050)	Completed					1/10/2014
2MS1100	Shift Traffic To Detour A	Completed					10/6/2013
3MS1000	Traffic to Temp Ramp A & B	Completed					1/25/2014
1MS1020	Bridge B-616 Complete	Completed					9/29/2014
2MS1110	B-609 Complete	Completed					12/15/2014
2MS1120	B-610 Complete	Completed					12/15/2014
2MS1130	B-611 Complete	Completed					12/15/2014
2MS1140	Shift Traffic to B-609	Completed					12/15/2014
2MS1150	Ramp H Complete	Completed					12/15/2014
2MS1160	Ramp G Complete	Completed					12/15/2014
334EW1170	Ramp G, to Box Culvert Complete	Completed					12/15/2014
RLEW1230	Ramp L Under K Complete	Completed					12/15/2014
361EW1650	609 Abutment B through Ramp H Complete	Completed					12/15/2014
1MS1120	Ramps P & J Complete	Completed					12/2/2014
1MS1130	Ramp I Complete	Completed					12/15/2014
1MS1140	Ramp M Complete	Completed					12/13/2014
1MS1110	Ramp N Complete	Completed					12/15/2014
1MS1150	Shift Traffic to Phase 2 (Ramps I, L, M, P & under K Complete)	Completed					12/15/2014
3MS1011	Ramps C & D Available for B-609 traffic	Completed	3/28/2016	10/7/2016			2/4/2016

**8. ATTACHMENT: Progress Photographs**

Reviewed by: \_\_\_\_\_  
Mike Prezioso, PE, CCM, MBP

cc: Kevin Lundgren, PE, City of Chesapeake

**Attachment: Progress Photos**



**03/17/2016 Construction of B612 & B613 Pier 2 (Cedar Rd.)**



**04/19/2016 Construction of B612 & B613 Pier 2 (Cedar Rd.)**



03/17/2016 B608 Construction



04/19/2016 B608 Construction



**03/17/2016 Intersection at Great Bridge Blvd/Dominion Blvd facing Southeast**



**04/19/2016 Intersection at Great Bridge Blvd/Dominion Blvd facing Southeast**



**03/17/2016 Construction of B608 facing NB**



**04/19/2016 Construction of B608 facing NB**



**03/17/2016 Erection of B608 Girders**



**04/19/2016 Erection of B608 Girders**