

## **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)**



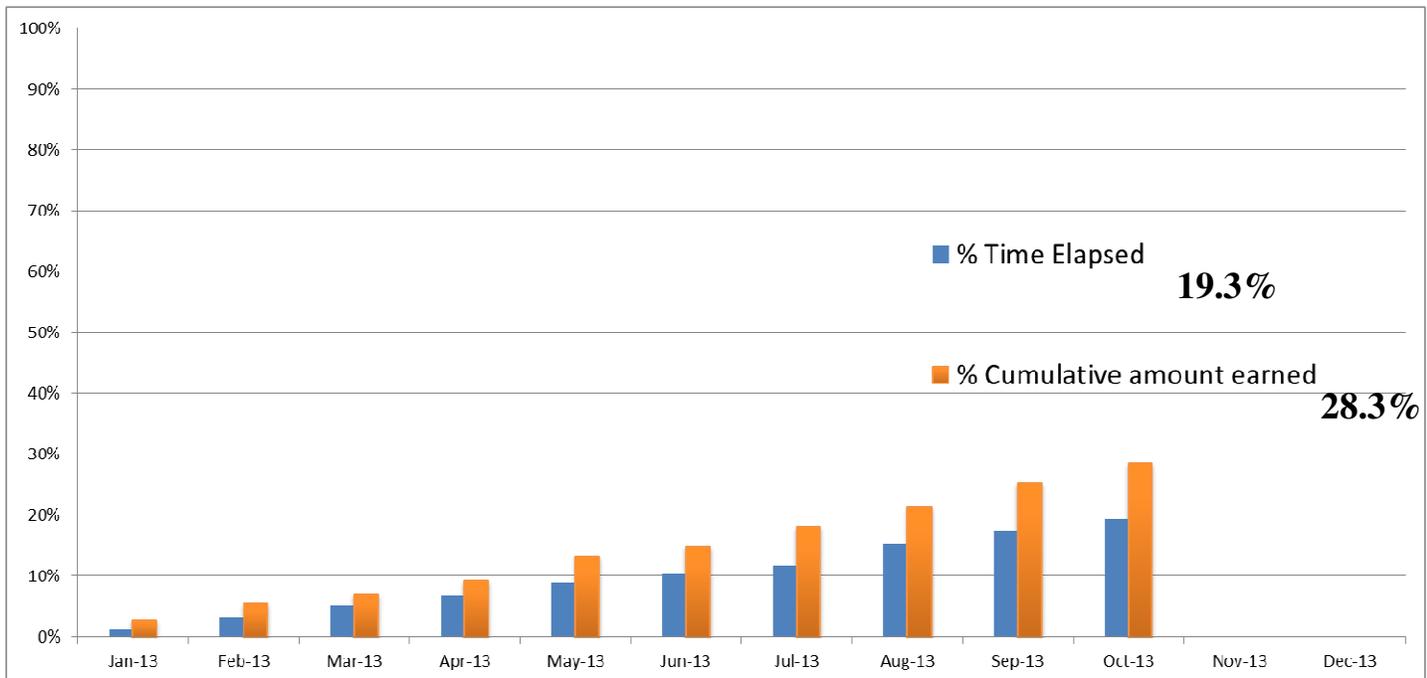
***Status Report as of October 31, 2013***

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ATTACHMENT: Progress Photographs	

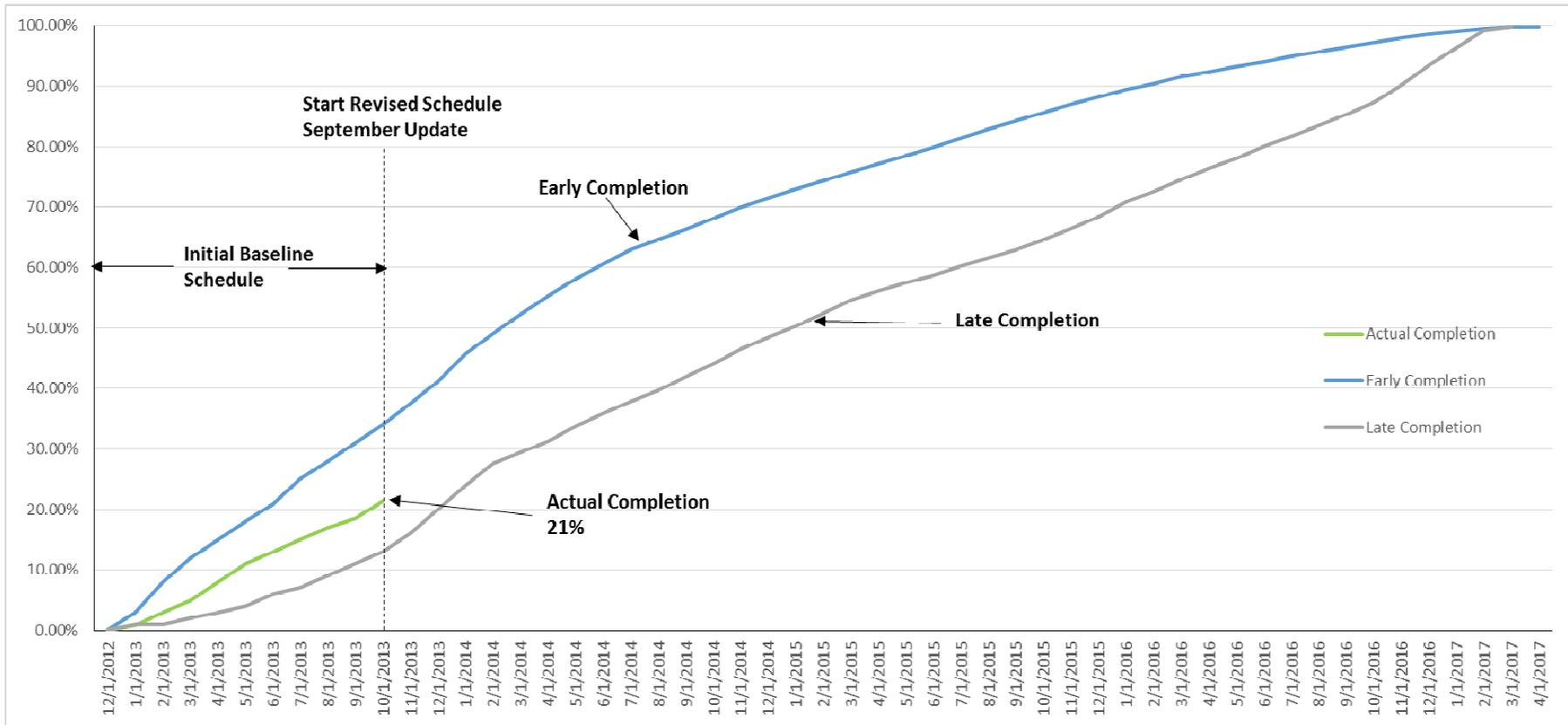
## PROJECT STATUS (Schedule and Budget)

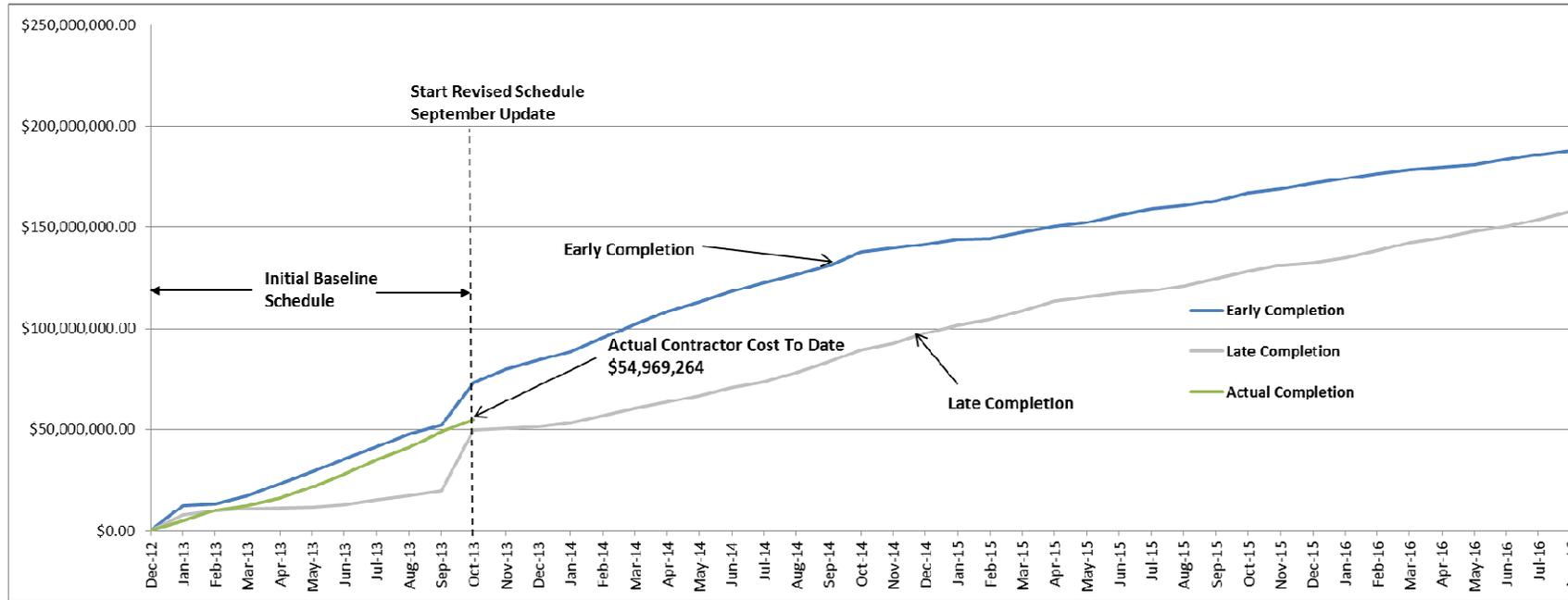
Schedule		Budget	
Contract Type	Fixed Date	Contract Value	\$188,070,320
Fixed Contract Completion Date	04/01/2017	Exposure (Pending Change Orders)	\$ 6,723,277
Contract Duration (Days)	1,546	Expenditures (Approved Change Orders)	(\$ 1,079,249)
Time Extension (Days)	0	Current Estimated Contract Value	\$193,714,348
Current Contract Duration (Days)	1,546		
Notice to Proceed	01/07/2013	Amount Paid Prior Periods	\$48,715,333
First Day of Work	01/07/2013	Amount Paid this Period	\$6,253,931
Contract Days Elapsed	298	Cumulative Amount Paid	\$54,969,264
Contract Days Remaining	1,248	Value Stock Piled Materials	\$11,435,548
Estimated Completion Date	04/01/2017	Total Contract Cost to Date	\$66,404,812
% Contract Work Complete	<b>21%</b>		
% Contract Days Elapsed	<b>19.3%</b>	% Current Estimated Contract Value Paid	<b>28.3%</b>
% Contract Time Remaining	80.7%	% Current Estimated Contract Value Remaining	71.7%



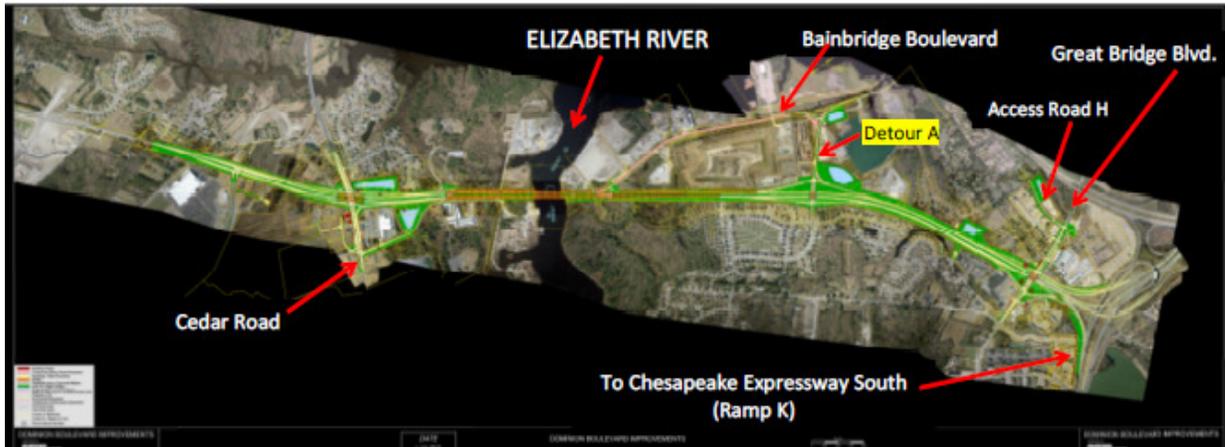
**SCHEDULE**

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





## SIGNIFICANT ACCOMPLISHMENTS THIS MONTH (Oct. 1 – Oct. 31, 2013)



<b>Bridge Descriptions</b>	
	<b><u>B612-</u></b> Dominion Blvd SB over Cedar Rd/Moses Grandy Trail
<b><u>B608-</u></b> Dominion Blvd SB over Elizabeth River	<b><u>B613-</u></b> Dominion Blvd NB over Cedar Rd/Moses Grandy
<b><u>B609-</u></b> Dominion Blvd NB over Elizabeth River	<b><u>B614-</u></b> Dominion Blvd SB over Great Bridge Blvd
<b><u>B610-</u></b> Dominion Blvd SB over relocated Bainbridge Blvd	<b><u>B615-</u></b> Dominion Blvd NB over Great Bridge Blvd
<b><u>B611-</u></b> Dominion Blvd NB over Dominion Lakes Blvd/Relocated Bainbridge Blvd.	<b><u>B616-</u></b> 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):**
  - Continued formwork for bridge deck at the north end of the bridge
  - Began bridge deck concrete placement at the north end of the bridge
  - Continued placing concrete for footings, columns and bent caps
  - Began setting 77 inch deep girders at spans north of the river  
(See Attached Progress Photos)
- **B608 (Dominion Blvd SB over Elizabeth River) :**
  - Began driving piles for bents at north end of the bridge
- **B616 (Dom. Blvd./Rte. 168 SB Ramp over Great Bridge Blvd. to I-64 Ramp)**
  - Continued installation of Ground Improvement Piles and Caps
  - Completed driving all piles

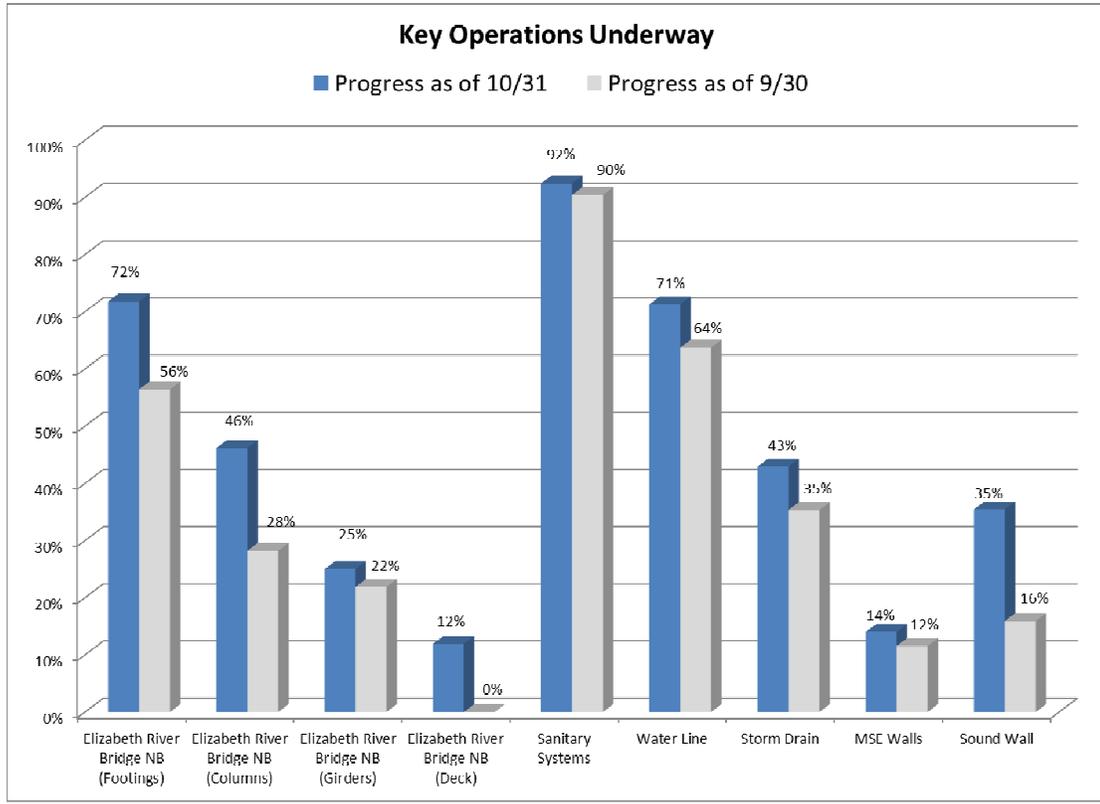
**Roadway Construction (DBC, Inc):**

- Continued construction of Access Road C, which will serve as an access to driveways from Dominion Blvd. to Cedar Rd.
- Continued installation of storm drainage at various locations throughout the project
- Continued installation of new water and sanitary systems throughout the project
- Continued construction of Stormwater Management Basins.
  - Completed SWM Basin Nos. 3, 5 and 6
  - Continued excavation for SWM4, SWM 1 and SWM 2
- Continued work in preparation of widening ramps at north end of project including installation of storm drainage systems
- Continued construction of the Mechanically Stabilized Earth (MSE) wall at Ramp H (new Dominion Blvd. North Ramp to Dominion Lakes.).
- Continued Construction of the Mechanically Stabilized Earth (MSE) wall at Ramp G (new Dominion Lakes to Dominion Blvd. North Ramp.)
- Continued construction of temporary roadway west of Dominion Blvd at Moses Grandy Trail to enable start of bridge construction in early 2014
- Completed construction of temporary Detour A (Relocated Bainbridge Blvd) (**see graphic under Maintenance Of Traffic**) and shifted Dominion Blvd traffic to Detour A. This enabled the start of B608 construction

**Major Subcontractors**

- **Bissette Construction Corp**
  - Continued installation of storm drain systems south of Elizabeth River at various locations
- **Higgerson-Buchanan Inc.**
  - Completed roadway construction for Detour A
  - Continued Excavation of SWM 4
- **Hampton Roads Utility**
  - Continued installation of new water lines
  - Completed relocation of brine line.
- **Vico Construction Corp**
  - Completed installation of new Hampton Roads Sanitary District sewer pipe.
  - Continued installation of new City sanitary, gravity, and force main systems
- **Virginia Paving Co**
  - Completed paving operations for Detour A at Bainbridge Blvd
- **US Wick Drains**
  - Continued installation of wick drains at Ramp K and B609 abutments.
- **Roche Brothers**
  - Continued installing MSE Wall Panels at Ramp G and Ramp H

- **Garbarino Const Inc**
  - Continued to demolish existing sound barrier wall at Ramp K for ramp widening
- **Century Concrete**
  - Continued installation of Sound Barrier Wall #1 near Pine Wood Run Cul-de-Sac



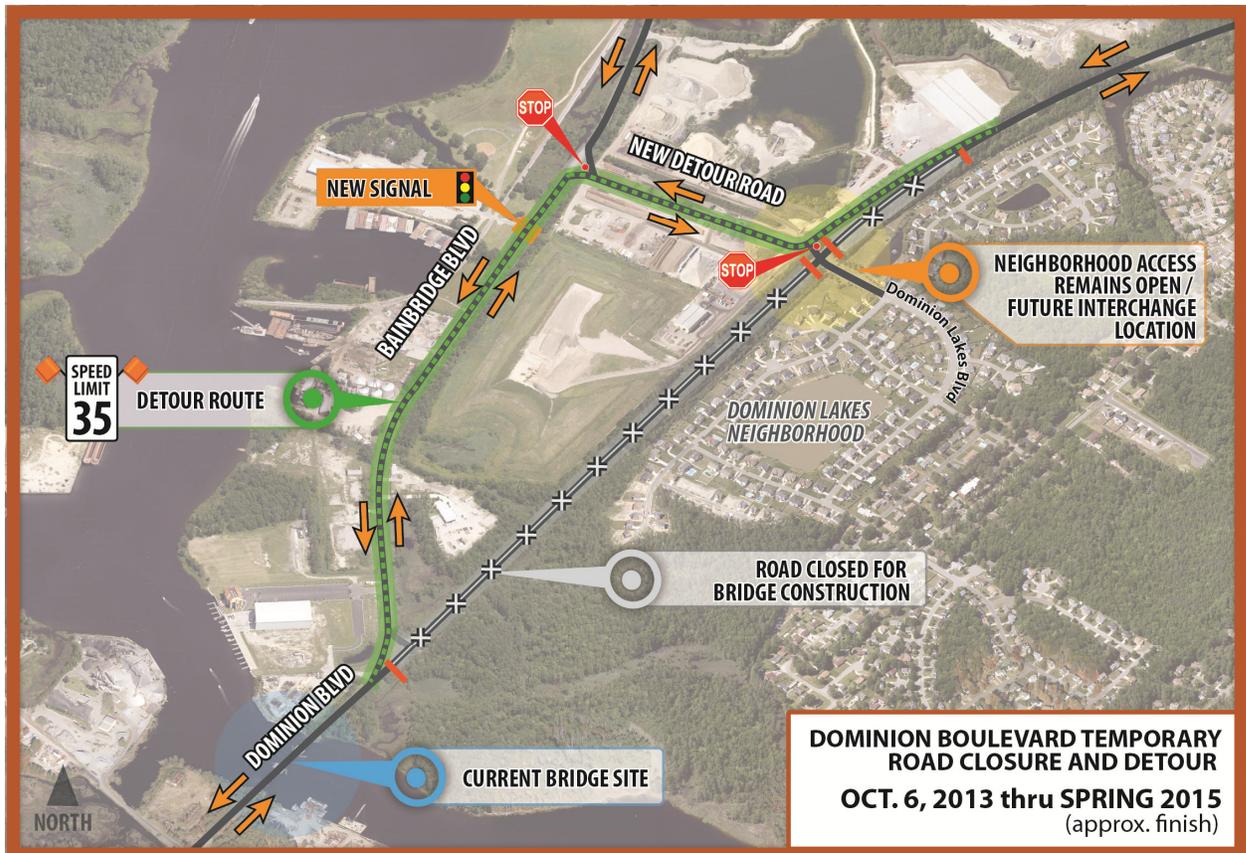
Project Key Operation Status as of 10/31/2013

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

## MAINTENANCE OF TRAFFIC

### Lane Closures

- Various temporary lane closures throughout project including night-time closures to minimize impacts to motorists
- Detour A is in place to divert Dominion Blvd traffic and enable start of B608 construction



**Detour A (Relocated Bainbridge) completed:  
(Arrows show temp. traffic pattern for Dominion Blvd.)**

- Ramp P (Rte. 168 N Exit 15B to Dominion Blvd S) remains closed for road widening per plans. Traffic is being detoured using a double loop at Exit 1 (Rte 464) to Rte 168 S Exit 15B.



**Detour Route for Ramp P Closure**

**ANTICIPATED WORK PLANNED FOR NEXT MONTH (11/01/13 – 11/30/13)**

**DBC Joint Venture**

- B609 (Dominion Blvd. NB Bridge over Elizabeth River)
  - Continue formwork and construction of pier footings, columns and pier caps.
  - Continue setting 77 inch deep girders at pier spans north of the river
  - Continue bridge deck concrete placement at the north end of the bridge
- B608 (Dominion Blvd. SB Bridge over Elizabeth River)
  - Continue driving piles north of the river
  - Begin concrete placements for Bent Caps
- B616 (Dom. Blvd./Rte. 168 SB Ramp over Great Bridge Blvd. to I-64 Ramp)
  - Begin Concrete placements for the columns
- Continue installation of storm drainage systems at various locations
- Continue widening of Dominion Blvd. including MSE walls for ramps at Dominion Lakes and other Access Roads for temporary traffic shift at Cedar/Moses Grandy intersection.
- Continue construction of Access Road C, which will provide access to and from Dominion Boulevard and Cedar Rd.
- Continue installation of drainage systems at Ramps Q, L, and P in preparation for widening and reconstruction, north of Great Bridge Blvd

**Hampton Roads Utilities**

- Continue installation of the City of Chesapeake relocated water lines

**Vico Construction Corp**

- Continue installation of City of Chesapeake relocated sanitary sewer lines

**Roche Brothers**

- Continue installation of MSE Walls at Ramp H, Ramp G and B609 Abutments.

**Virginia Paving**

- Complete paving operations on Access C

**Century Concrete**

- Complete installation of Sound Wall panels at Pine Wood Run

**Garbarino Const Inc**

- Complete demolition of existing sound wall at Ramp K

**US Wick Drains**

- Continue installation of wick drains at various locations to expedite pre-settlement of embankments

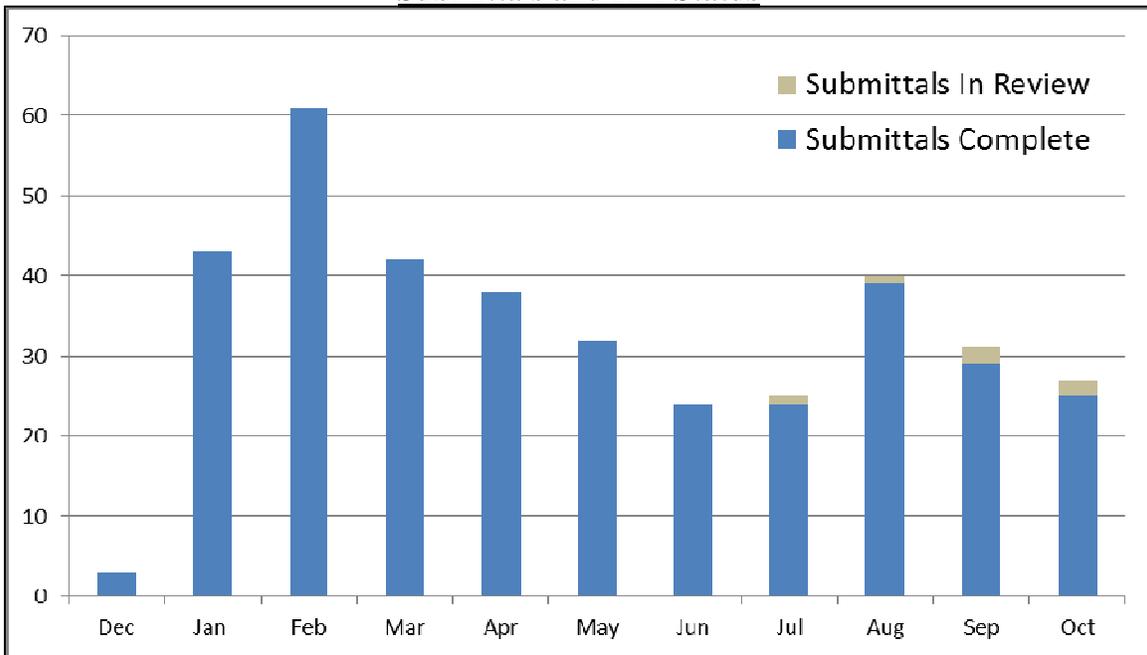


Wick Drain installation at Ramp K (10/24/2013)

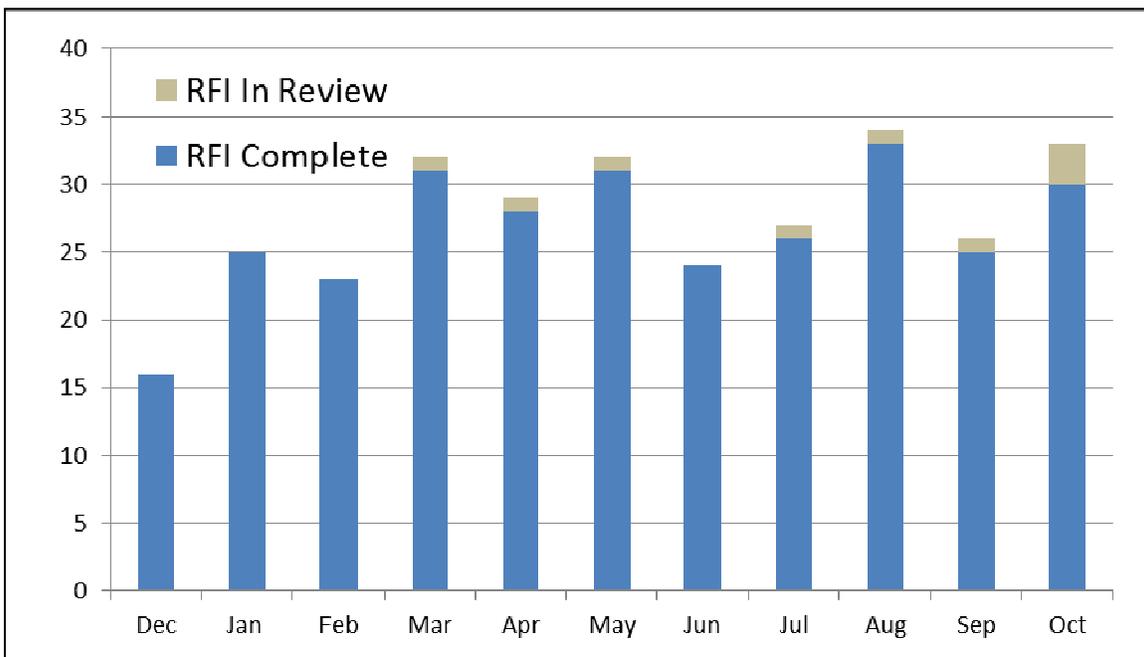
### Change Orders

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	\$305,723.61	
14	Demolition/Removal of Existing Sound Wall	\$185,792.67	
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)	
(TBD)	VDOT VMS Sign Removal/Reinstall	\$47,883.33	
(TBD)	Anti-Graffiti Paint	\$521,839.12	
(TBD)	Delete Aesthetic Treatment	(\$1,681,643.00)	
(TBD)	Structure 32-10 Add.	\$8,929.89	
(TBD)	GPS as-builts of utilities	\$14,367.48	
(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)	Installation of Leak Detectors Water/Sewer Casings	\$13,510.86	
(TBD)	24" x 6" Reducer for Additional Fire Hydrant	\$4,172.63	
(TBD)	Relocation of the Pressure Sensor Telemetry Cabinet	\$35,692.90	
(TBD)	Obstruction at 18" Jack and Bore	\$67,865.38	
(TBD)	Connection of Existing Sewer Laterals to New Sewer	\$18,061.62	
(TBD)	Additional Work Associated with Plan Revision 10	\$6,570.40	
N/A	<b>RESCINDED:</b> Unshown Utilities at 18" HRSD (Sta. 22+50)	\$0.00	
(TBD)	Obstructions between Str. 23N-1 and 23N-2	\$23,114.87	
(TBD)	Installation of F-Shaped Conc. Barrier on Mod. RW-3	\$108,179.53	
(TBD)	Strom Drain Work Ref. RFI No. 191	\$4,110.62	
N/A	<b>RESCINDED:</b> Relocate HRSD Leak Detector Conflict	\$0.00	
	Water Meter Vault at DR-1J50-1	\$11,157.98	
	CCW Type D Lighting Control Cabinets	\$150,513.73	
	Plan Revision No 12 Added Wick Drains/Survey	\$35,593.37	
	<b>TOTAL</b>	<b>\$6,723,277.54</b>	<b>(\$1,079,249.24)</b>
		<b>Contract Addition</b>	<b>Credit</b>

## Submittals and RFI Status



Total Number of Submittals = 366; Number of Submittals in review = 6;



Total Number of RFI = 301; Number of RFI in review = 9;

### SCHEDULE

- The contractor submitted Update No. 4 of the Progress Schedule with a data date of October 25, 2013 which incorporates schedule improvements and other logic corrections. Update No. 4 contained multiple logic corrections to better reflect intended sequence of construction, and establishes the completion date of March 31, 2017 as required by the contract. This update also included better defined milestones.

#### Milestones

Activity ID	Activity Name	Satus	July 2013 Recovery Schedule		October 2013 Update		Actual Finish
			Early Finish	Late Finish	Early Finish	Late Finish	
1MS1000	Ramps, Great Bridge Blvd. to Box Culvert Complete	Not Completed	4/29/2016	3/31/2017	6/6/2016	3/31/2017	
1MS1010	Access Road C Complete	Not Completed	4/22/2014	3/30/2017	7/23/2014	1/2/2015	
1MS1020	Bridge B-616 Complete	Not Completed	4/14/2014	3/31/2017	6/19/2014	4/22/2015	
1MS1030	Great Bridge Blvd Through Ramps complete	Not Completed	4/29/2016	3/31/2017	6/6/2016	3/31/2017	
1MS1040	B615 Complete	Not Completed		N/A	1/22/2016	3/31/2017	
1MS1045	B614 Complete	Not Completed		N/A	1/22/2016	3/31/2017	
1MS1050	Great Bridge Area (Box culvert North) Complete	Not Completed	9/21/2016	3/31/2017	10/3/2016	3/31/2017	
1MS1110	Ramp N Complete	Not Completed	3/13/2014	6/1/2015	10/8/2014	4/22/2015	
1MS1120	Ramps P & J Complete	Not Completed		N/A	4/10/2014	4/22/2015	
1MS1130	Ramp I Complete	Not Completed	3/20/2014	5/5/2015	5/13/2014	6/11/2015	
1MS1140	Ramp M Complete	Not Completed	3/7/2014	5/5/2015	4/28/2014	6/11/2015	
1MS1150	Shift Traffic to Phase 2 (Ramps I, L, M, P & under K Complete)	Not Completed	9/11/2014	4/2/2015	10/8/2014	4/22/2015	
2MS1110	B-609 Complete	Not Completed	12/23/2014	3/31/2017	12/31/2014	1/2/2015	
2MS1120	B-610 Complete	Not Completed	1/15/2015	1/30/2015	12/31/2014	3/31/2017	
2MS1130	B-611 Complete	Not Completed	1/19/2015	1/27/2015	10/24/2014	1/2/2015	
2MS1140	Shift Traffic to B-609	Not Completed	1/13/2015	3/31/2017	12/31/2014	1/2/2015	
2MS1150	Ramp H Complete	Not Completed	1/13/2015	3/31/2017	12/31/2014	1/2/2015	
2MS1160	Ramp G Complete	Not Completed	10/30/2014	3/31/2017	11/17/2014	1/2/2015	
2MS1170	B-608 Complete	Not Completed	3/30/2017	3/31/2017	3/31/2017	3/31/2017	
2MS1180	Close Ramps G, H, Dominion Lakes & DetourA	Not Completed	1/13/2015	3/31/2017	12/31/2014	11/18/2016	
2MS1190	Ramp F & Bainbridge Blvd. Complete	Not Completed	7/16/2015	3/31/2017	4/15/2016	3/31/2017	
334EW1170	Ramp G, to Box Culvert Complete	Not Completed	2/27/2014	3/31/2017	6/3/2014	1/2/2015	
361EW1200	Station 361 to B614/B615 Complete	Not Completed	3/4/2016	3/31/2017	4/15/2016	3/31/2017	
361EW1480	Station 361 to B614/B615 Complete	Not Completed	10/30/2014	1/13/2015	1/22/2016	3/31/2017	
361EW1650	609 Abutment B through Ramp H Complete	Not Completed	1/13/2015	1/13/2015	12/31/2014	1/2/2015	
3MS1000	Traffic to Temp Ramp A & B	Not Completed	1/20/2014	3/27/2015	3/25/2014	3/27/2015	
3MS1011	Ramps C & D Available for B-609 traffic	Not Completed	1/30/2015	6/24/2015	4/14/2015	6/16/2015	
3MS1020	Phase 3 Complete	Not Completed	6/15/2016	3/31/2017	8/25/2016	3/31/2017	
3MS1030	Cedar Road/Moses Grandy Complete	Not Completed	11/17/2014	3/31/2017	3/17/2016	3/31/2017	
612-M9000	B612 Complete	Not Completed	1/13/2016	3/30/2017	3/16/2016	3/30/2017	
613-M9000	B613 Complete	Not Completed	11/30/2015	3/30/2017	1/21/2016	3/30/2017	
GBMS1050	Great Bridge Blvd Phase 1 Complete	Not Completed	5/15/2014	4/2/2015	8/4/2014	4/22/2015	
MS0020	Contract Completion	Not Completed	3/31/2017	3/31/2017	3/31/2017	3/31/2017	
MS1010	Great Bridge Blvd 614/615/616 Complete	Not Completed	9/21/2016	3/31/2017	10/3/2016	3/31/2017	
MS1020	Early Completion	Not Completed	9/22/2016	9/22/2016	9/22/2016	9/22/2016	
MS3010	Cedar Road 612/613 Complete	Not Completed	6/15/2016	3/31/2017	8/25/2016	3/31/2017	
RKEW4150	Ramp K Complete	Not Completed	5/28/2014	4/2/2015	6/19/2014	4/22/2015	
RLEW1080	Place Traffic on completed Ramps R & L	Not Completed	9/21/2016	3/31/2017	10/3/2016	3/31/2017	
RLEW1230	Ramp L Under K Complete	Not Completed	4/10/2014	2/3/2015	6/16/2014	4/22/2015	
RNEW1000	Ramp N Ground Improvements (Tied to RKEW4050)	Not Completed	9/20/2013	4/8/2014	10/28/2013	9/2/2014	
ROUT1090	Ramp O Complete	Not Completed	6/4/2014	4/2/2015	4/30/2014	4/22/2015	
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
2MS1100	Shift Traffic To Detour A	Completed					10/6/2013
RPEW1670	Ramps P & J Complete	Deleted	6/9/2014	4/2/2015		N/A	
1MS1040	B-614 & B-615 Complete	Deleted	12/9/2015	3/31/2017		N/A	
1MS1120	Phase 1 Ramps P & J (Southbound)	Deleted	6/9/2014	5/5/2015		N/A	
2MS1000	Switch Traffic From Detour to B-609	Deleted	1/13/2015	1/13/2015		N/A	
3MS1010	B-6-12 & B-613 Complete ( PH 2)	Deleted	1/15/2016	3/31/2017		N/A	
608-D1010	Detour A Traffic Switch Complete	Deleted	12/13/2013	6/17/2015		N/A	
DAEW1390	Shift Traffic to Detour	Deleted	12/12/2013	3/5/2014		N/A	
MS2010	Bainbridge Blvd 608/609/610/611 Complete	Deleted	3/30/2017	3/31/2017		N/A	
RIMS1090	Ramp I Complete	Deleted	3/20/2014	4/2/2015		N/A	
RMEW1450	Ramp M Complete	Deleted	3/11/2014	4/2/2015		N/A	
RNEW1110	Ramp N Complete (Tie to K)	Deleted	9/11/2014	4/2/2015		N/A	

Reviewed by: \_\_\_\_\_

Mike Prezioso, PE, CCM, MBP

cc: Kevin Lundgren, PE, City of Chesapeake  
Leon Malczewski, CCM, MBP