

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)



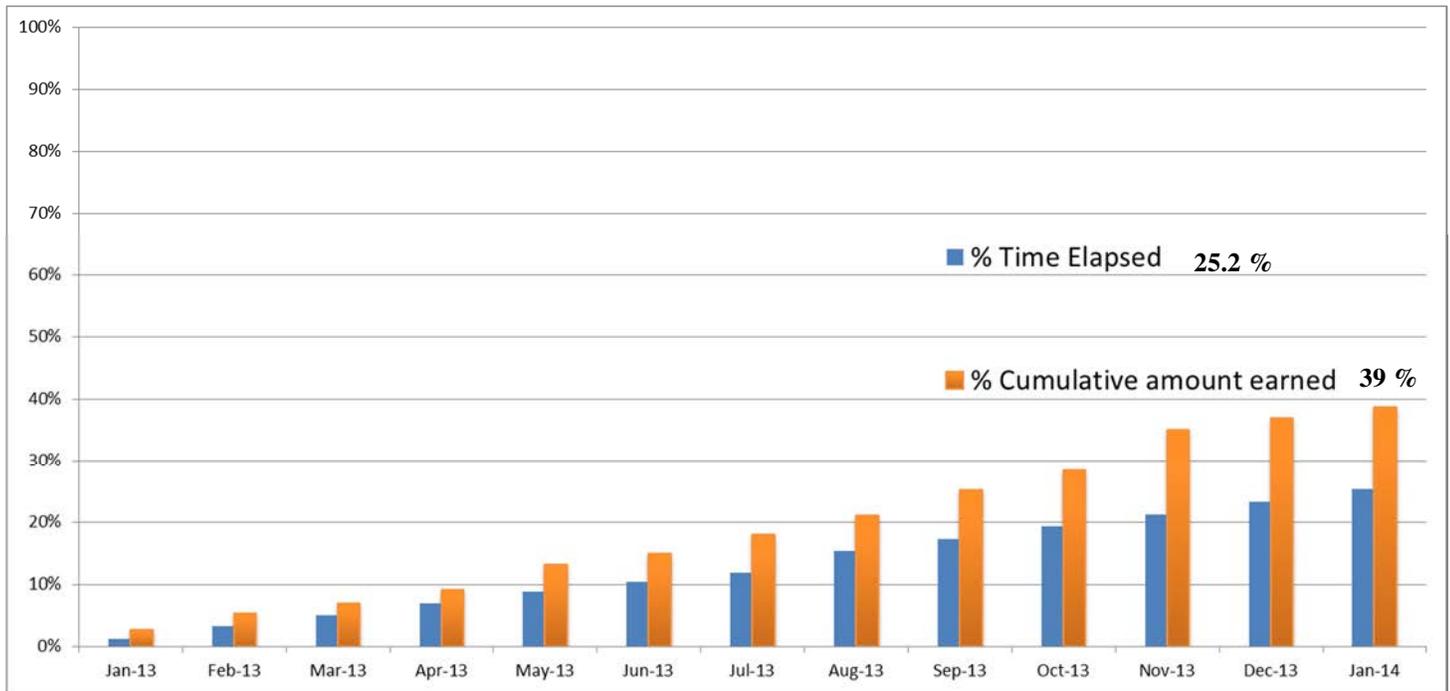
Status Report as of January 31, 2014

TABLE OF CONTENTS

DESCRIPTION	PAGE NUMBER
1. PROJECT STATUS – Schedule and Budget	3
2. SIGNIFICANT ACCOMPLISHMENTS (01/01/14 to 01/31/14)	6
3. KEY OPERATIONS UNDERWAY	8
4. ANTICIPATED WORK (02/01/14 to 02/28/14)	10
5. CHANGE ORDERS	11
6. RFI AND SUBMITTAL STATUS	12
7. SCHEDULE MILESTONES	13
ATTACHMENT: Progress Photographs	

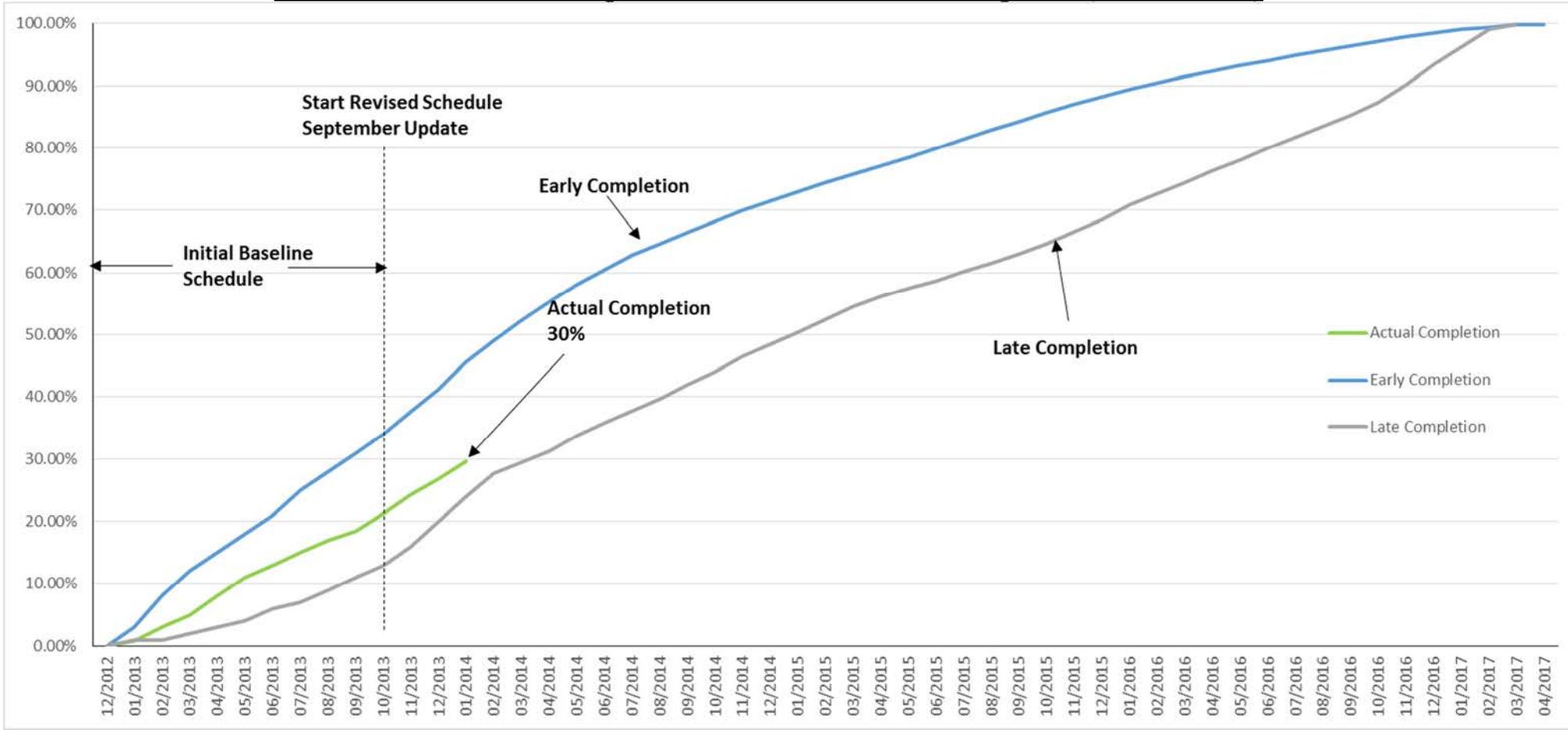
PROJECT STATUS (Schedule and Budget)

Schedule		Budget	
Contract Type	Fixed Date	Contract Value	\$188,070,320
Fixed Contract Completion Date	04/01/2017	Exposure (Pending Change Orders)	\$ 5,992,622
Contract Duration (Days)	1,546	Expenditures (Approved Change Orders)	(\$ 119,931)
Time Extension (Days)	0	Current Estimated Contract Value	\$193,963,011
Current Contract Duration (Days)	1,546		
Notice to Proceed	01/07/2013	Amount Paid Prior Periods	\$71,570,963
First Day of Work	01/07/2013	Amount Paid this Period	\$ 3,494,743
Contract Days Elapsed	390	Cumulative Amount Paid	\$75,065,706
Contract Days Remaining	1156	Value Stock Piled Materials	\$14,788,768
Estimated Completion Date	04/01/2017	Total Contract Cost to Date	\$89,854,474
% Contract Work Complete	30 %		
% Contract Days Elapsed	25.2%	% Current Estimated Contract Value Paid	39%
% Contract Time Remaining	74.8%	% Current Estimated Contract Value Remaining	61%



Cumulative amount paid vs Time Elapsed (NTP to January 31, 2013)

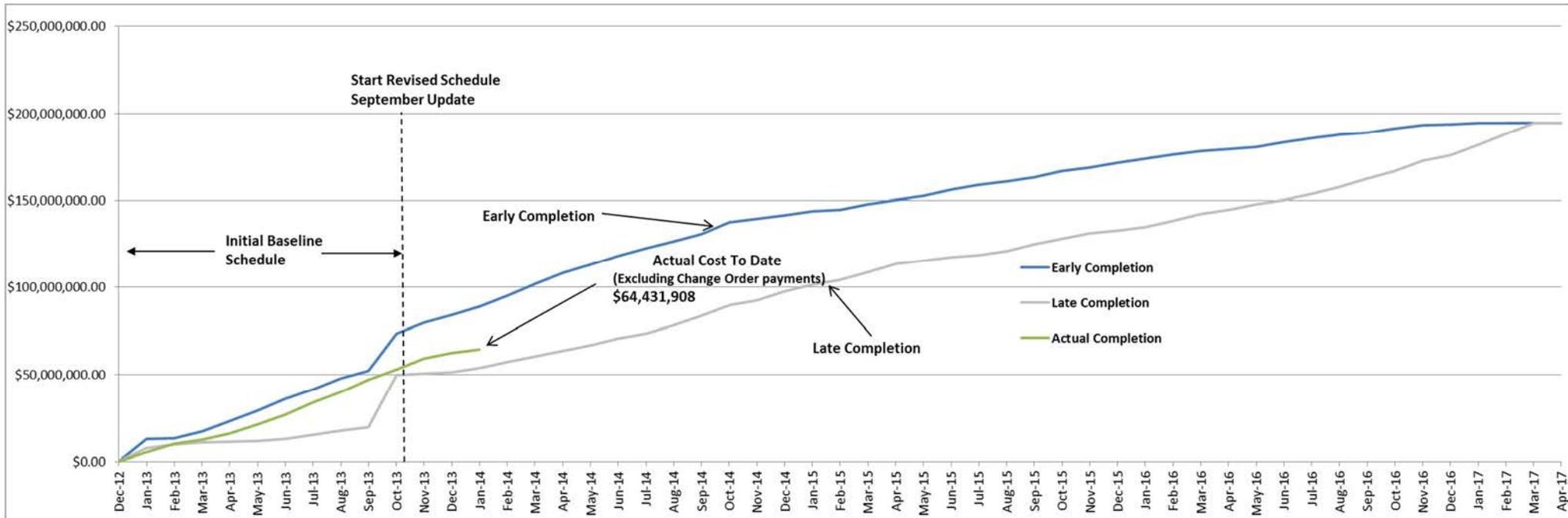
SCHEDULE
Actual Percent Work Completed vs. Planned Percent Completed (All Activities)



As of January 31, 2014

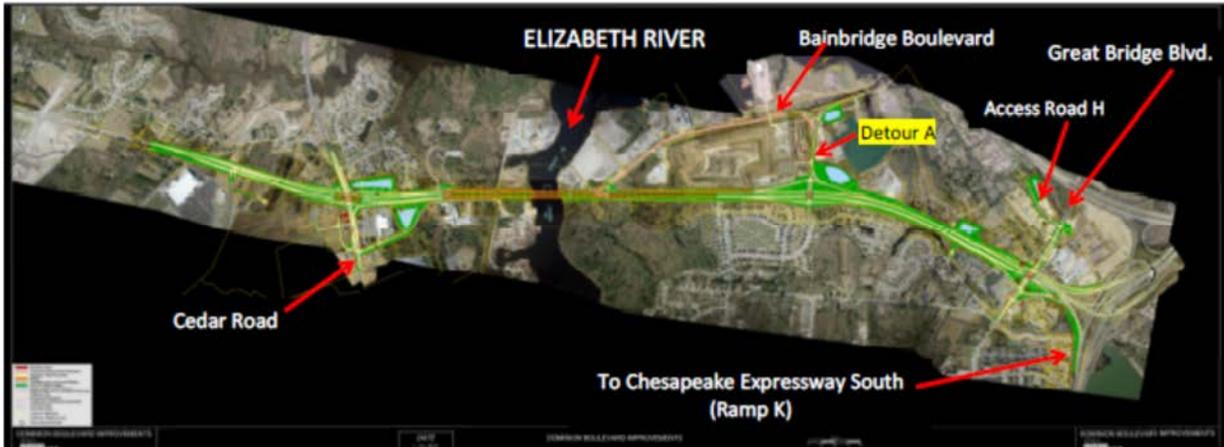
BUDGET

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



As of January 31, 2014

SIGNIFICANT ACCOMPLISHMENTS THIS MONTH (Jan. 1 – Jan. 31, 2014)



Bridge Descriptions	
	<u>B612-</u> Dominion Blvd SB over Cedar Rd/Moses Grandy Trail
<u>B608-</u> Dominion Blvd SB over Elizabeth River	<u>B613-</u> Dominion Blvd NB over Cedar Rd/Moses Grandy
<u>B609-</u> Dominion Blvd NB over Elizabeth River	<u>B614-</u> Dominion Blvd SB over Great Bridge Blvd
<u>B610-</u> Dominion Blvd SB over relocated Bainbridge Blvd	<u>B615-</u> Dominion Blvd NB over Great Bridge Blvd
<u>B611-</u> Dominion Blvd NB over Dominion Lakes Blvd/Relocated Bainbridge Blvd.	<u>B616-</u> 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 bridge deck concrete placement north of the river
 - Continued placing concrete for footings, columns and bent caps
 - Continued setting 77 inch deep girders at spans north of the river
 - Completed concrete placement for Pier 14 NB Column
(See Attached Progress Photos)

- **B608 (Dominion Blvd SB over Elizabeth River) :**
 - Continued driving piles for bents north of the river
 - Continued placing concrete for bent caps

- **B616 (Dom. Blvd./Rte. 168 SB Ramp over Great Bridge Blvd. to I-64 Ramp)**
 - Completed first stage of post tensioning for the Straddle Bent Cap
 - Completed concrete placements for Abutment Caps

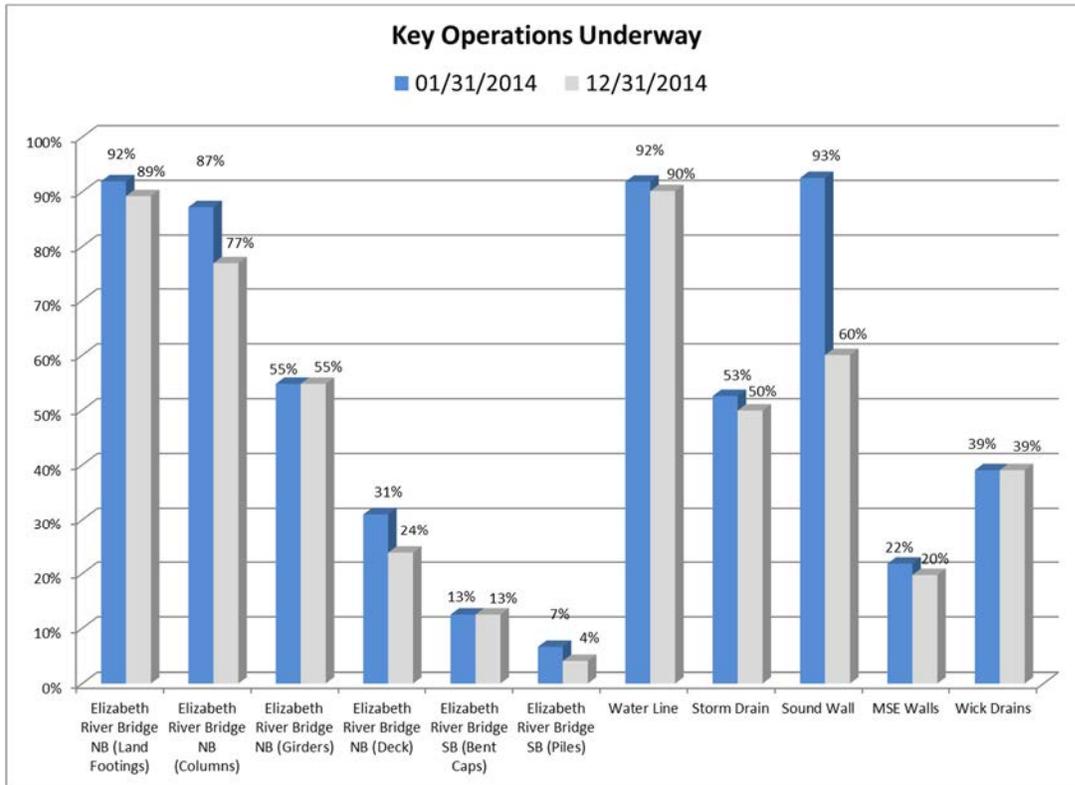
- **B610 and B611(Dominion Blvd SB and NB over relocated Bainbridge Blvd)**
 - Completed driving piles for Abutments

Roadway Construction (DBC, Inc):

- Partially completed construction of Access Road C, which will serve as an access to driveways from Dominion Blvd. to Cedar Rd.
- Completed construction of relocated Dominion Blvd at Cedar Rd which will be used as a temporary route. This will enable construction of B612 and B613 to start.
- Continued installation of storm drainage at various locations throughout the project
- Continued installation of new water systems throughout the project
- Continued construction of two remaining Stormwater Management Basins: SWM 1 and SWM 2
- Continued construction of ramps at north end of project including installation of storm drainage systems

Major Subcontractors

- **Bissette Construction Corp**
 - Continued installation of storm drain systems south of Elizabeth River at various locations
- **Higgerson-Buchanan Inc.**
 - Continued excavation of ditches
- **Hampton Roads Utility**
 - Continued installation of new water lines
 - Completed 24" waterline tie in 1/18/2014
- **US Wick Drains**
 - Not onsite this month
- **Roche Brothers**
 - Continued installing MSE Wall Panels at B609 Abutment A
- **Century Concrete**
 - Completed installation of Sound Barrier Wall #2 panels on Ramp K. Color coating will need to be completed.
- **Uretek ICR Mid- Atlantic**
 - Continued installation of Test Soil Nails at Ramp L, Ramp J and Ramp P.



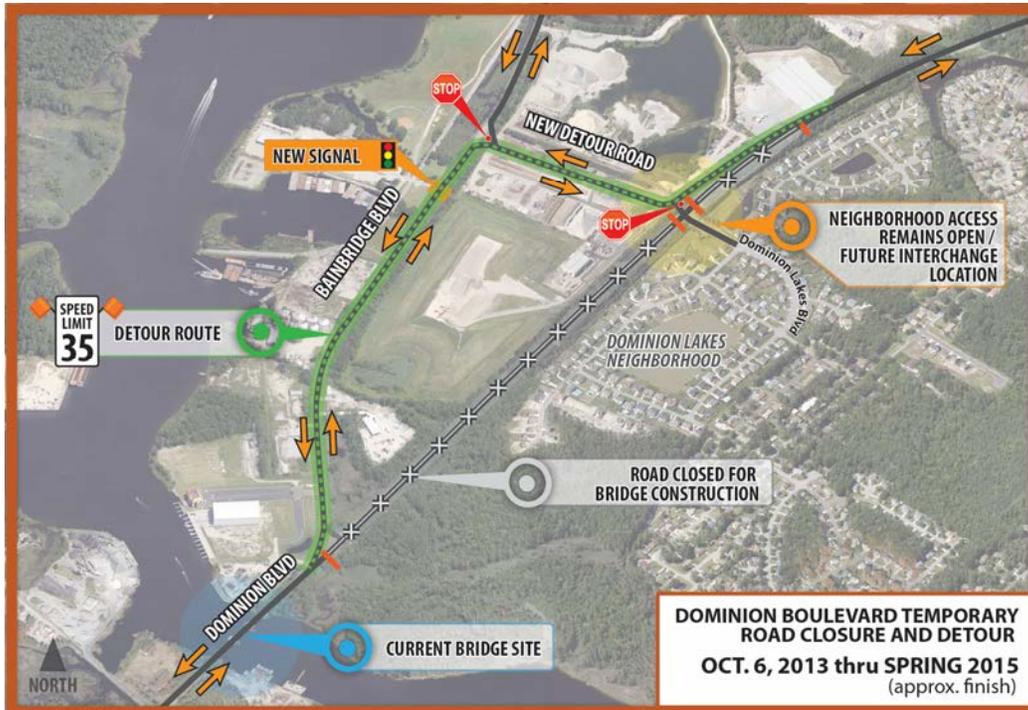
Project Key Operation Status as of 01/31/2014

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

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

- On 01/25/2014 traffic on Dominion Blvd was temporarily detoured at Cedar Road to allow construction of B610 and B611.



Temp Ramp A an Ramp B detouring traffic on Dominion Blvd

ANTICIPATED WORK PLANNED FOR NEXT MONTH (02/01/14 – 02/28/14)

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 north of the river
- B608 (Dominion Blvd. SB Bridge over Elizabeth River)
 - Continue driving piles north of the rivers 5t
 - Continue concrete placements for bent caps
 - Begin concrete placement for column footings
- B616 (Dom. Blvd./Rte. 168 SB Ramp over Great Bridge Blvd. to I-64 Ramp)
 - Begin installing spliced girders on Straddle Bent Pier Cap.
- B610 and B611 (Dominion Blvd SB and NB over relocated Bainbridge Blvd)
 - Begin concrete placement for Abutments
- 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.

Hampton Roads Utilities

- Continue installation of the City of Chesapeake relocated water lines

Roche Brothers

- Continue installation of MSE Walls at Ramp H, and Ramp K.

Virginia Paving

- Complete paving operations for Access C and Access A

Century Concrete

- Complete color coating Sound Wall at Ramp K

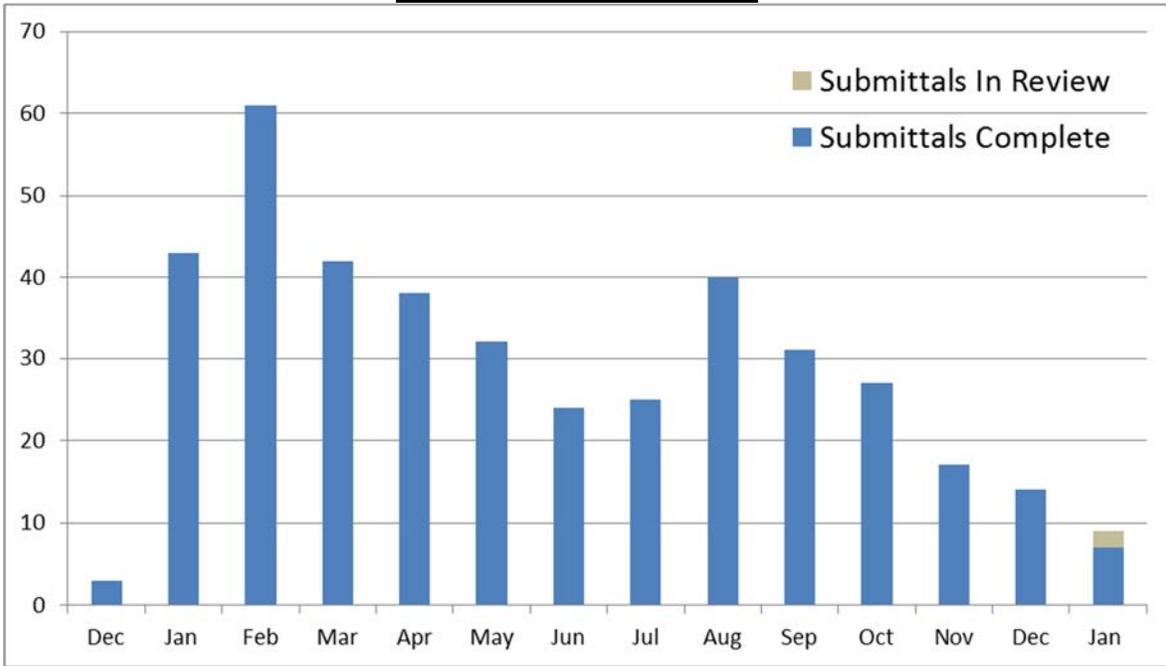
US Wick Drains

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

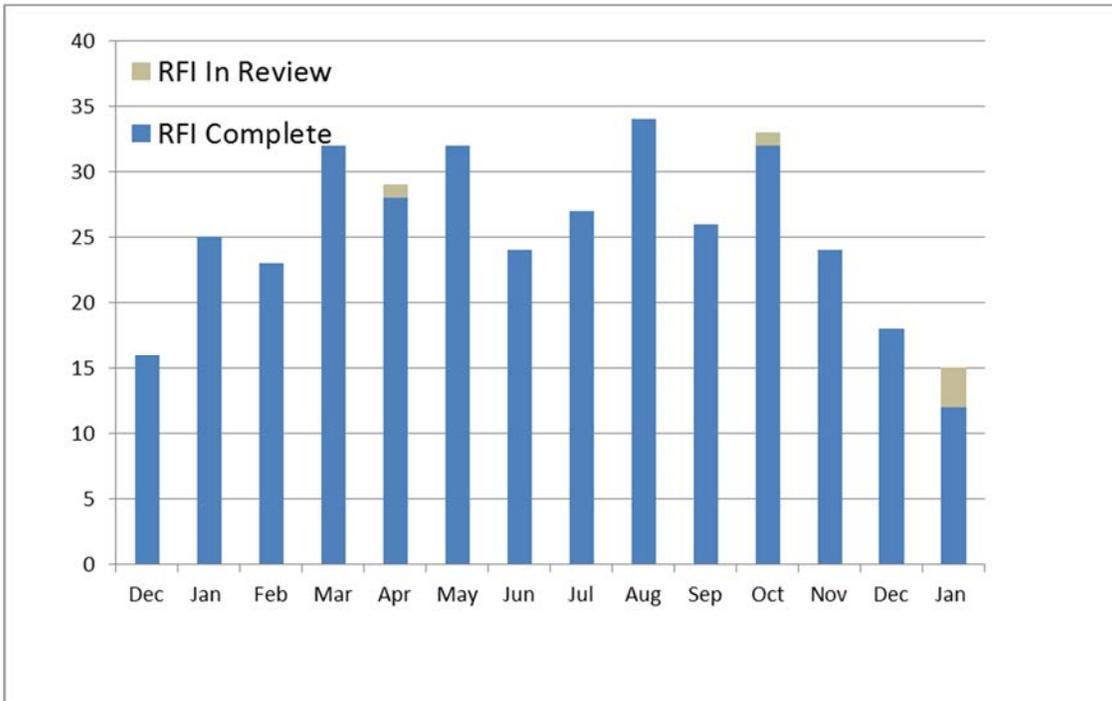
Change Orders

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)	
17	Delete Aesthetic Treatment	(\$1,681,643.00)	
18	4 inch water meters at Great Bridge & Cedar	\$35,482.08	
19	Relocation of the Pressure Sensor Telemetry	\$35,692.90	
20	Water Meter Vault at DR-1J50-1	\$11,157.98	
(TBD)	VDOT VMS Sign Removal/Reinstall	\$47,883.33	
(TBD)	Anti-Graffiti Paint - 8/26 Rec'd DBC's Revised Scope	\$521,839.12	
(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)	Obstruction at 18" Jack and Bore	\$67,865.38	
(TBD)	Connection of Existing Sewer Laterals to New,	\$18,061.62	
(TBD)	Additional Work Associated with Revision 10	\$6,570.40	
(TBD)	Obstructions between Str. 23N-1 and 23N-2	\$23,114.87	
(TBD)	Additional Restrained Waterline	\$10,793.22	
(TBD)	CCW Type D Lighting Control Cabinets	\$150,513.73	
(TBD)	Grass Cutting (based on 432 hrs)	\$152,556.48	
(TBD)	Plan Revision No 12 Added Wick Drains/Survey	\$35,593.37	
(TBD)	Waterline Joint Restraint at Great Bridge Blvd.	\$4,701.38	
(TBD)	VMS Conductor Cable	\$19,502.00	
(TBD)	12" x 12" x 8" Junction Boxes	\$40,798.50	
(TBD)	Remove/Salvage Existing Signal Equipment	\$39,115.32	
(TBD)	Plan Revision No. 13 Additional Work	\$19,456.14	
(TBD)	16" Waterline Repairs at Bainbridge	\$18,547.95	
NA	RESCINDED: Sewer Force Main Offset Blake/GBB	\$0.00	
NA	RESCINDED: Utilities at 18" HRSD (Sta. 22+50 to Sta.	\$0.00	
NA	RESCINDED: Installation of F-Shaped Conc. Barrier	\$0.00	
NA	RESCINDED: Per RFI 191 - Storm Drain	\$0.00	
NA	RESCINDED: Relocate HRSD Leak Detector Conflict	\$0.00	
NA	RESCINDED: Storm Drain Adjustments	\$0.00	
	TOTAL	\$5,992,622.16	(\$119,930.94)
		Contract Addition	Credit

Submittals and RFI Status



Total Number of Submittals = 404; Number of Submittals in review = 1;



Total Number of RFI = 353; Number of RFI in review = 5;

SCHEDULE

- The Contractor submitted CPM schedule Update 7 with a data date of 01/25/2014 and is currently under review. Update 7 has the project completion on March 29, 2017.

Milestones

Activity ID	Activity Name	Status	December 2013 Update 6		January 2014 Update 7		Actual Finish
			Early Finish	Late Finish	Early Finish	Late Finish	
1MS1010	Access Road C Complete	Not Completed	10/9/2014	1/5/2015	9/19/2014	1/5/2015	
1MS1020	Bridge B-616 Complete	Not Completed	5/21/2014	8/18/2015	6/18/2014	8/18/2015	
1MS1030	Great Bridge Blvd Through Ramps complete	Not Completed	1/4/2016	3/31/2017	2/4/2016	3/31/2017	
1MS1040	B615 Complete	Not Completed	10/27/2015	3/31/2017	11/19/2015	3/31/2017	
1MS1045	B614 Complete	Not Completed	10/27/2015	3/31/2017	11/19/2015	3/31/2017	
1MS1110	Ramp N Complete	Not Completed	5/21/2014	8/18/2015	6/18/2014	8/18/2015	
1MS1120	Ramps P & J Complete	Not Completed	5/19/2014	8/18/2015	6/4/2014	8/18/2015	
1MS1130	Ramp I Complete	Not Completed	8/1/2014	9/29/2015	4/10/2014	9/29/2015	
1MS1140	Ramp M Complete	Not Completed	6/13/2014	9/29/2015	7/10/2014	9/29/2015	
1MS1150	Shift Traffic to Phase 2 (Ramps I, L, M, P & under K Complete)	Not Completed	9/4/2014	8/18/2015	9/23/2014	8/18/2015	
2MS1110	B-609 Complete	Not Completed	12/23/2014	1/5/2015	12/31/2014	1/5/2015	
2MS1120	B-610 Complete	Not Completed	12/23/2014	3/31/2017	12/31/2014	3/31/2017	
2MS1130	B-611 Complete	Not Completed	10/2/2014	1/5/2015	10/24/2014	1/5/2015	
2MS1140	Shift Traffic to B-609	Not Completed	12/23/2014	1/5/2015	12/31/2014	1/5/2015	
2MS1150	Ramp H Complete	Not Completed	12/23/2014	1/5/2015	12/31/2014	1/5/2015	
2MS1160	Ramp G Complete	Not Completed	10/24/2014	1/5/2015	11/17/2014	1/5/2015	
2MS1170	B-608 Complete	Not Completed	3/29/2017	3/31/2017	3/29/2017	3/31/2017	
2MS1180	Close Ramps G, H, Dominion Lakes & DetourA	Not Completed	12/23/2014	11/18/2016	12/31/2014	11/18/2016	
2MS1190	Ramp F & Bainbridge Blvd. Complete	Not Completed	3/14/2016	3/31/2017	4/4/2016	3/31/2017	
334EW1170	Ramp G, to Box Culvert Complete	Not Completed	4/3/2014	1/5/2015	5/28/2014	1/5/2015	
361EW1200	Station 361 to B614/B615 Complete SB	Not Completed	3/14/2016	3/31/2017	4/4/2016	3/31/2017	
361EW1480	Station 361 to B614/B615 Complete NB	Not Completed	10/27/2015	3/31/2017	11/19/2015	3/31/2017	
361EW1650	609 Abutment B through Ramp H Complete	Not Completed	12/23/2014	1/5/2015	12/31/2014	1/5/2015	
3MS1000	Traffic to Temp Ramp A & B	Not Completed	5/28/2014	3/27/2015	3/25/2014	3/27/2015	
3MS1011	Ramps C & D Available for B-609 traffic	Not Completed	5/8/2015	6/11/2015	6/3/2015	6/11/2015	
3MS1020	Phase 3 Complete	Not Completed	9/13/2016	3/31/2017	9/21/2016	3/31/2017	
3MS1030	Cedar Road/Moses Grandy Complete	Not Completed	5/27/2016	3/31/2017	3/17/2016	3/31/2017	
612-M9000	B612 Complete	Not Completed	5/25/2016	3/30/2017	3/16/2016	3/30/2017	
613-M9000	B613 Complete	Not Completed	3/31/2016	3/30/2017	1/21/2016	3/30/2017	
GBMS1050	Great Bridge Blvd Phase 1 Complete	Not Completed	9/4/2014	8/18/2015	9/23/2014	8/18/2015	
MS0020	Contract Completion	Not Completed	3/29/2017	3/31/2017	3/29/2017	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	7/11/2014	8/18/2015	8/4/2014	8/18/2015	
RLEW1080	Place Traffic on completed Ramps R & L	Not Completed	5/13/2016	3/31/2017	6/3/2016	3/31/2017	
RLEW1230	Ramp L Under K Complete	Not Completed	4/24/2014	8/18/2015	4/14/2014	8/18/2015	
ROUT1090	Ramp O Complete	Not Completed	6/26/2014	8/18/2015	7/17/2014	8/18/2015	
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
RNEW1000	Ramp N Ground Improvements (Tied to RKEW4050)	Completed					10/30/2013
2MS1100	Shift Traffic To Detour A	Completed					10/6/2013

Reviewed by: _____

Mike Prezioso, PE, CCM, MBP

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

Attachement: Progress Photos



12/20/2013 Looking North at B609 NB from Elizabeth River Southern Bank



01/31/2014 Looking North at B609 NB from Elizabeth River Southern Bank



12/20/2013 B616 Straddle Bent Pier Cap concrete placement



01/31/2014 B616 Straddle Bent Pier Cap Post Tensioned



12/12/2013 Ramp K Sound Wall #2 under construction



02/07/2014 Ramp K Sound Wall #2



01/17/2014 B610 and B611 Piles Driven



01/31/2014 B610 and B611 Sleeve Installation on Piles



01/31/2014 B616 Temporary retaining wall on Ramp K



01/17/2014 Ramp B looking North in preparation for Detour



01/15/2014 B616 Straddle Bent Pier Cap tendons for Post Tensioning



01/31/2014 SWM 1 Looking East