

Dominion Boulevard Improvements

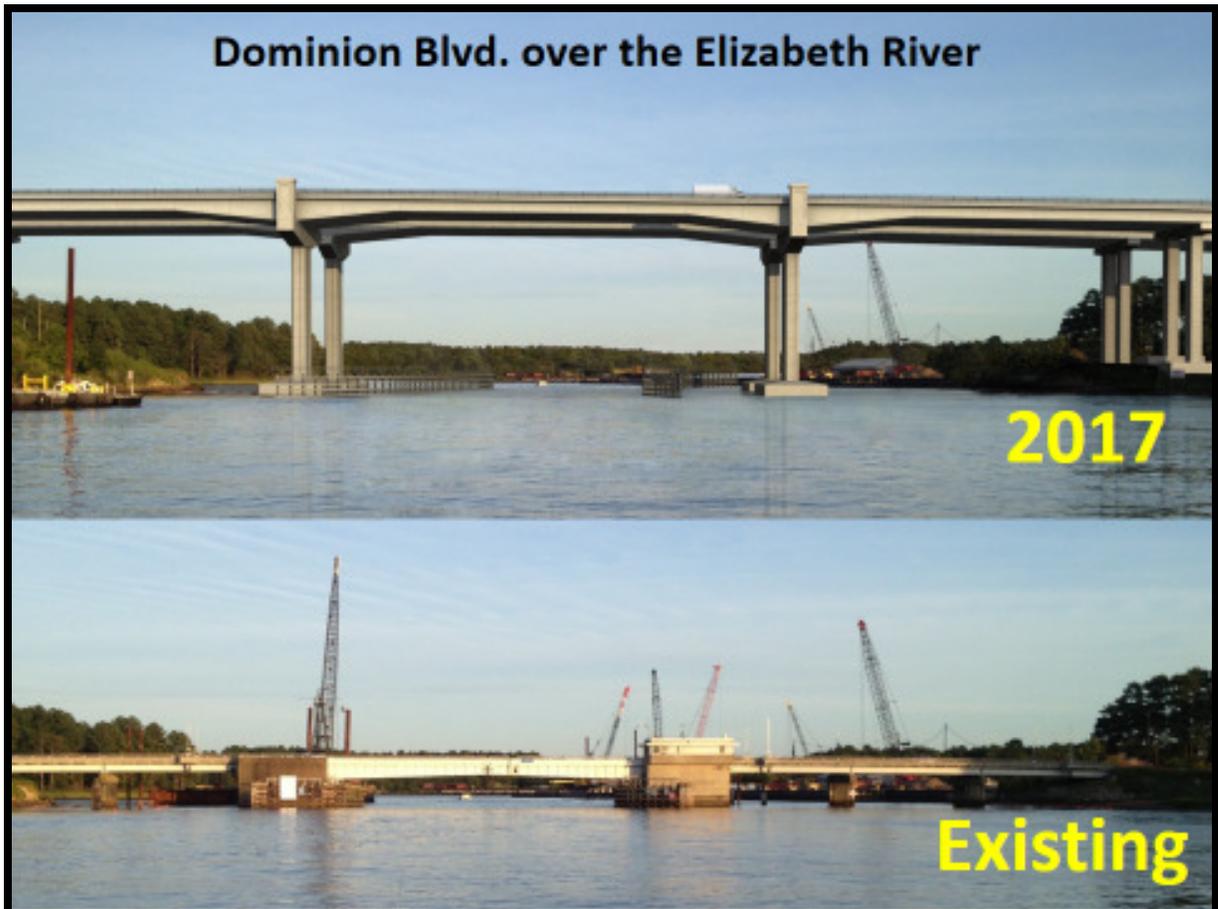
AC # 01-6004-05

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)



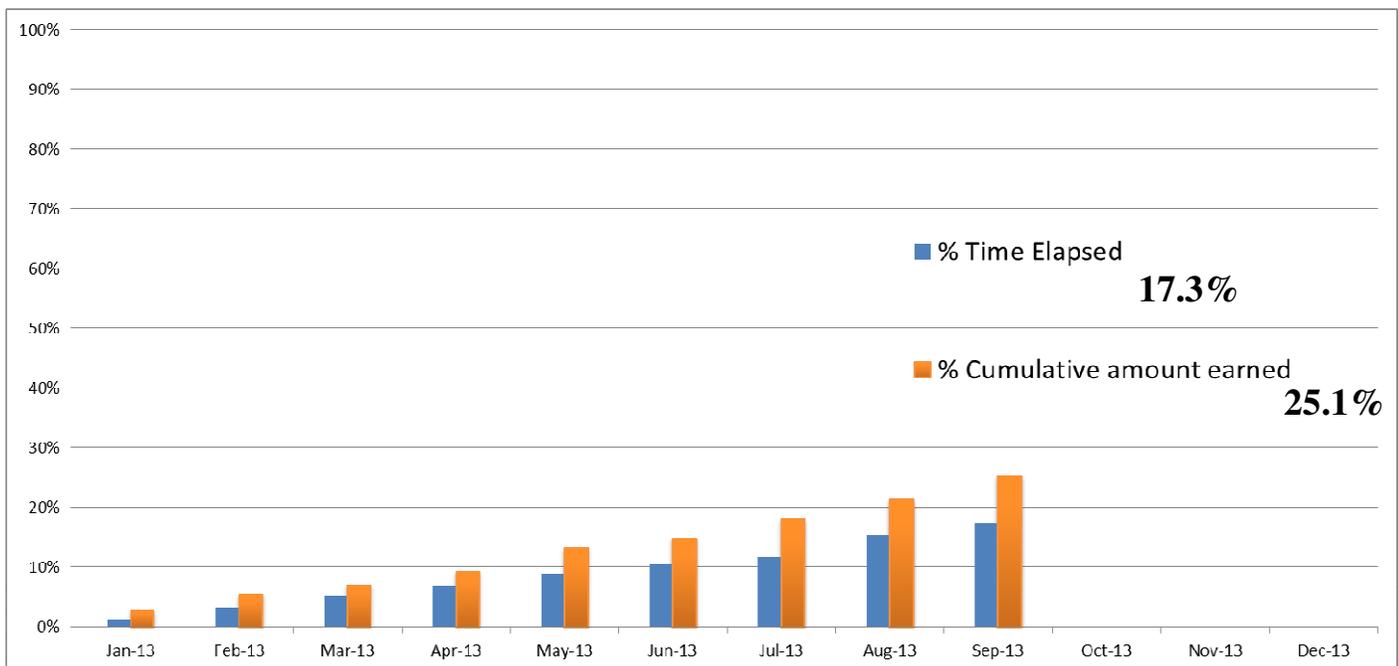
Status Report as of September 30, 2013

TABLE OF CONTENTS

DESCRIPTION	PAGE NUMBER
1. PROJECT STATUS – Schedule and Budget	3
2. SIGNIFICANT ACCOMPLISHMENTS (9/01/13 to 9/30/13)	6
3. KEY OPERATIONS UNDERWAY	7
4. ANTICIPATED WORK (10/01/13 to 10/31/13)	10
5. CHANGE ORDERS	11
6. RFI AND SUBMITTAL STATUS	12
7. SCHEDULE MILESTONES	13
ATTACHMENT: Progress Photographs	

PROJECT STATUS (Schedule and Budget)

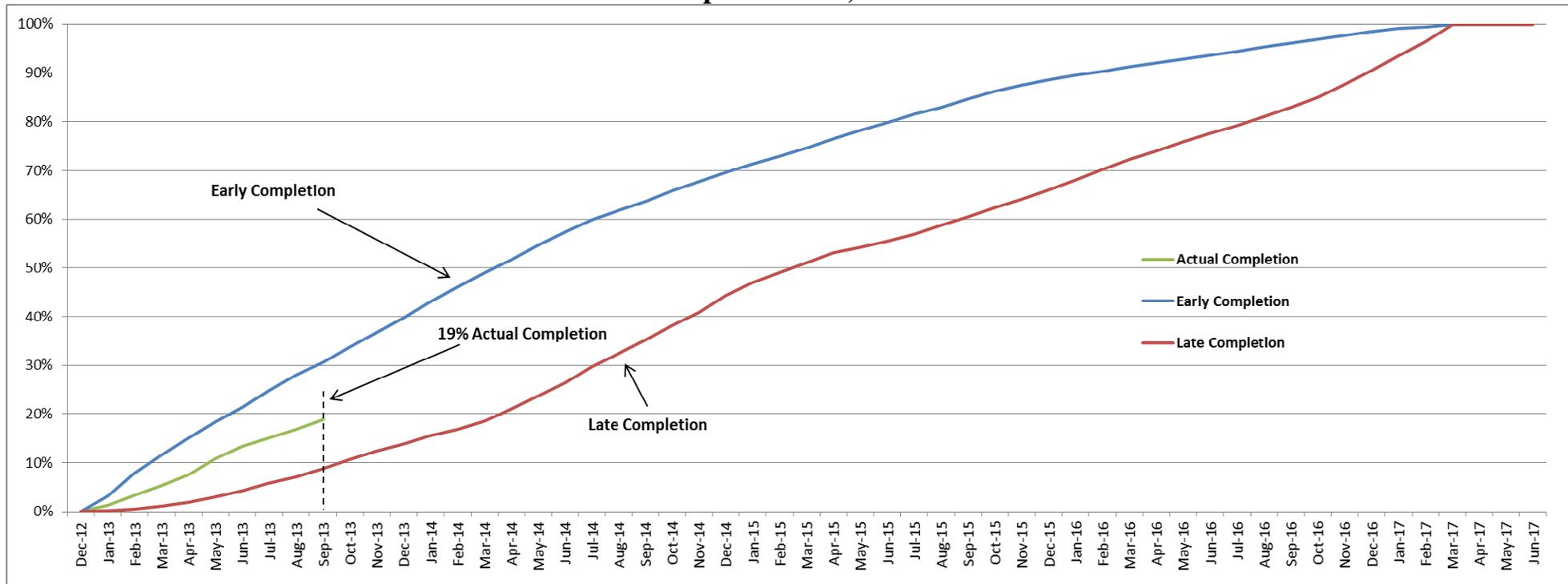
Schedule		Budget	
Contract Type	Fixed Date	Contract Value	\$188,070,320
Fixed Contract Completion Date	04/01/2017	Exposure (Pending Change Orders)	\$6,973,340
Contract Duration (Days)	1,546	Expenditures (Approved Change Orders)	(\$1,079,249)
Time Extension (Days)	0	Current Estimated Contract Value	\$193,964,411
Current Contract Duration (Days)	1,546		
Notice to Proceed	01/07/2013	Amount Paid Prior Periods	\$40,940,916
First Day of Work	01/07/2013	Amount Paid this Period	\$7,774,417
Contract Days Elapsed	267	Cumulative Amount Paid	\$48,715,333
Contract Days Remaining	1,279	Value Stock Piled Materials	\$6,765,023
Estimated Completion Date	04/01/2017	Total Contract Cost to Date	\$55,480,356
% Contract Work Complete	19%		
% Contract Days Elapsed	17.3%	% Current Estimated Contract Value Paid	25.1%
% Contract Time Remaining	82.7%	% Current Estimated Contract Value Remaining	74.9%



SCHEDULE

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

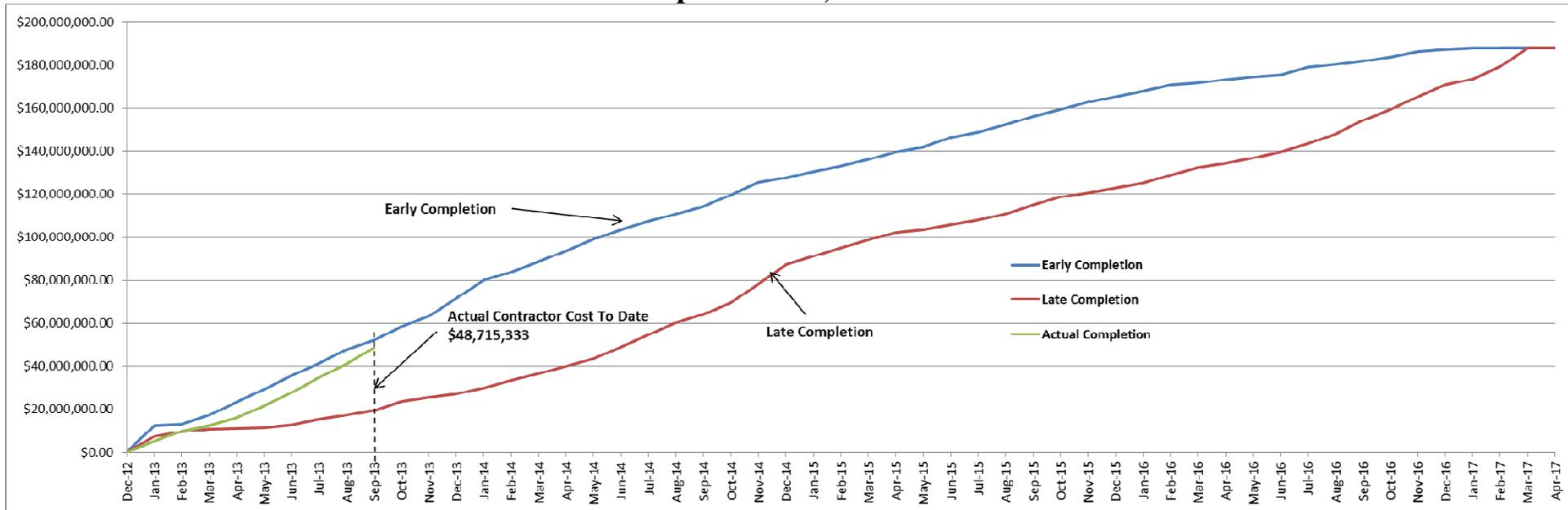
As of September 30, 2013



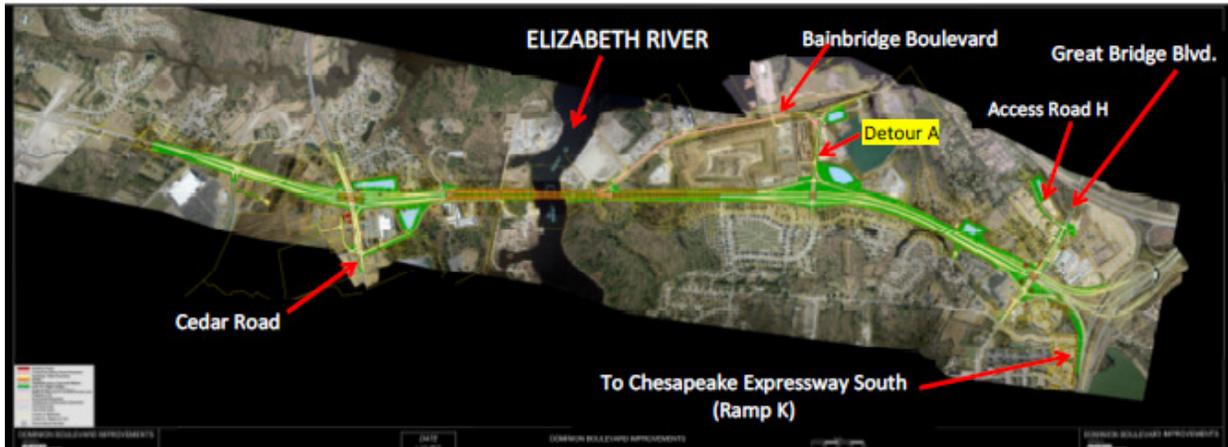
BUDGET

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

As of September 30, 2013



SIGNIFICANT ACCOMPLISHMENTS THIS MONTH (Sep. 1 – Sep. 30, 2013)



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.)

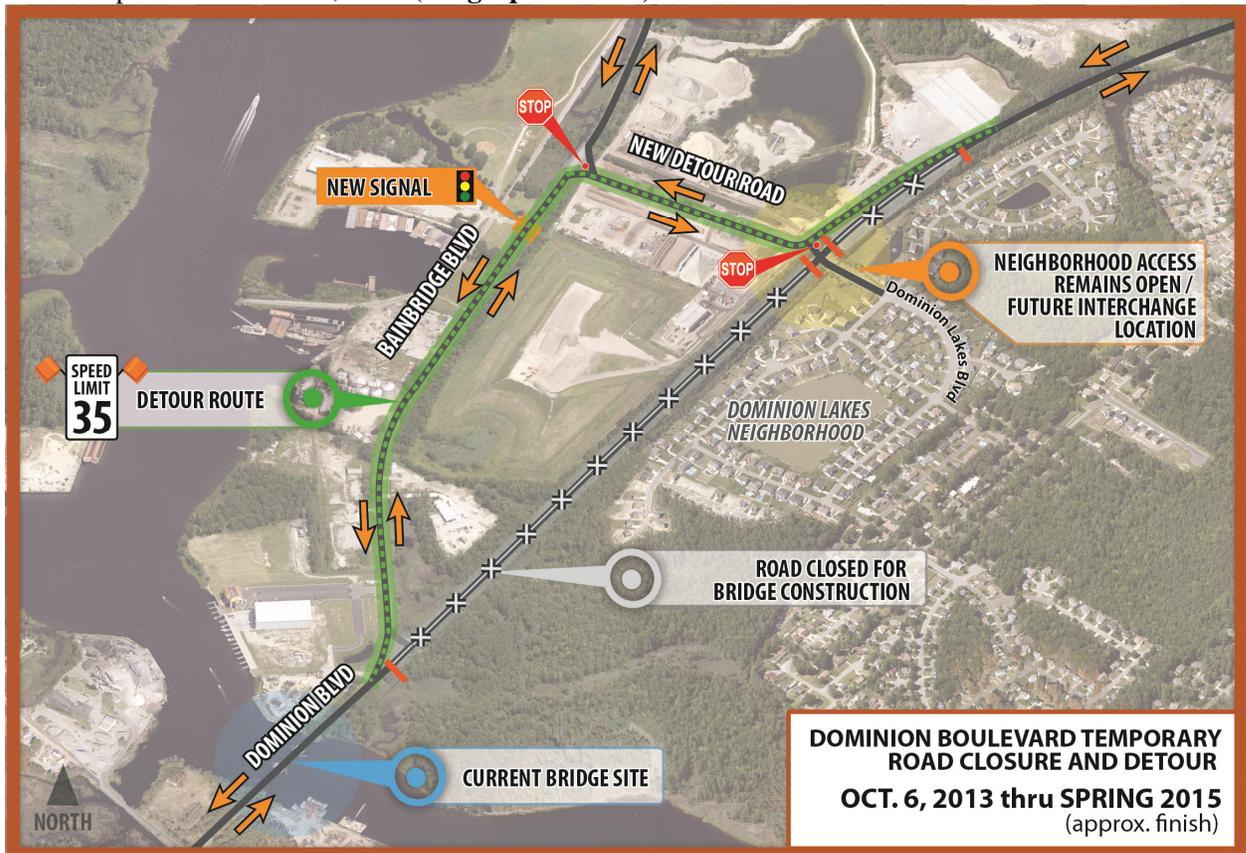
Bridge Construction:

- **B609 (Dominion Blvd NB over Elizabeth River):**
 - Completed driving all 567 piles for B609
 - Completed Pier 14 river footing concrete
 - Began formwork for bridge deck at the north end of the bridge
 - Continued placing concrete for footings, columns and bent caps
 - Completed driving piles for Abutments A and B
 - (See Attached Progress Photos)

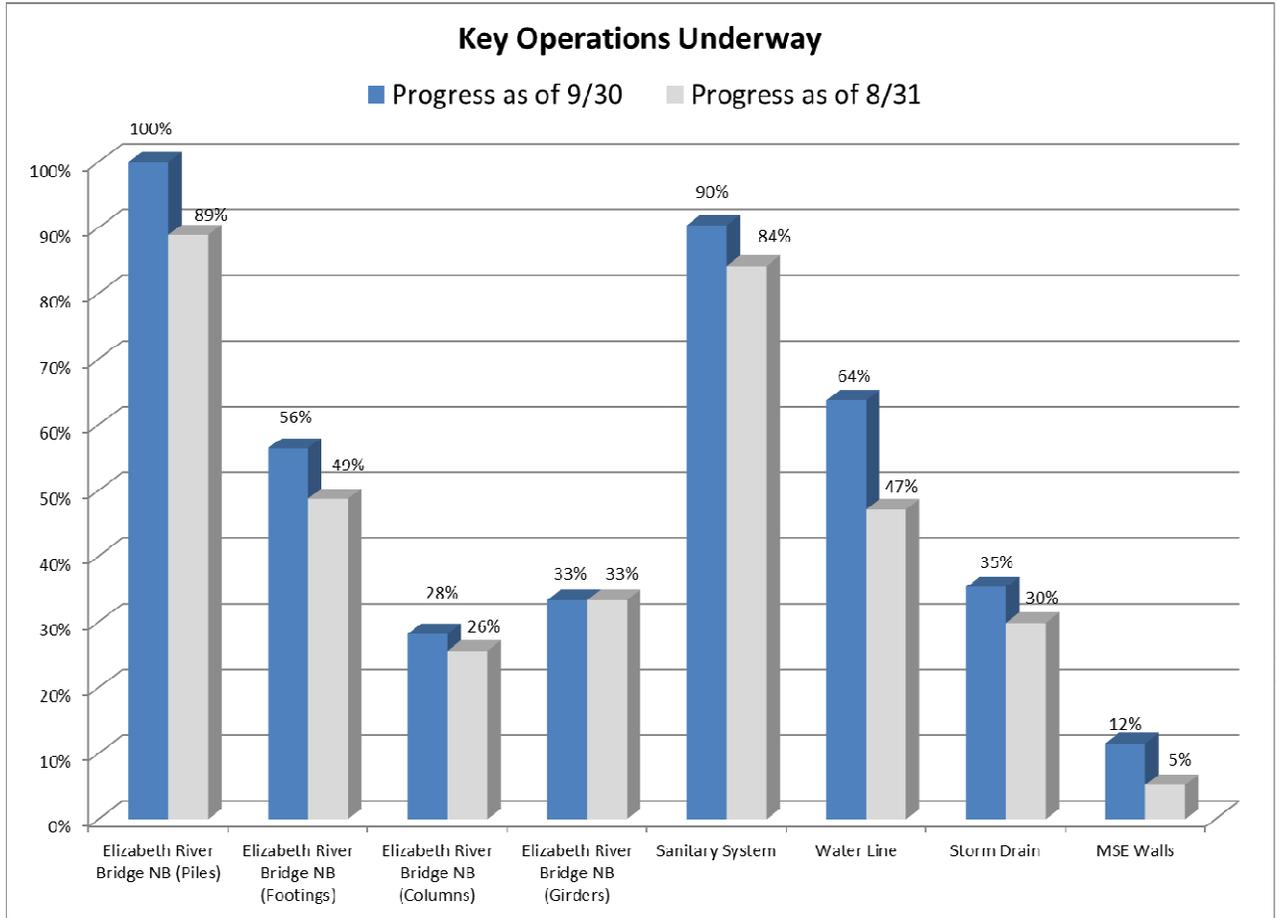
- **B616 (Dom. Blvd./Rte. 168 SB Ramp over Great Bridge Blvd. to I-64 Ramp)**
 - Continued installation of Ground Improvement Piles and Caps

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, 4, 5 and 6
 - Continued excavation for SWM 1 and SWM 2
- Completed Zone 1 planting at Wetlands Mitigation Basin.
- Continued work in preparation of widening ramps at north end of project including installation of storm drainage systems
- Began construction of the Mechanically Stabilized Earth (MSE) wall at Ramp H (new Dominion Blvd. North Ramp to Dominion Lakes.).
- Began Construction of the Mechanically Stabilized Earth (MSE) wall at Ramp G (new Dominion Lakes to Dominion Blvd. North Ramp.)
- Continued construction of temporary roadway on Dominion Blvd at Moses Grandy Trail to enable bridge construction in early 2014
- Continued construction of temporary Detour A (Relocated Bainbridge Blvd) scheduled to open on October 06, 2013 (see graphic below)



Detour A (Relocated Bainbridge) under construction:
(Arrows show temp. traffic pattern for Dominion Blvd. once Detour A is completed)



Major Subcontractors

- **Bissette Construction Corp**
 - Continued installation of storm drain systems south of Elizabeth River at various locations
- **Higgerson-Buchanan Inc.**
 - Continued roadway construction for Detour A
- **Hampton Roads Utility**
 - Continued installation of new water lines
 - Completed relocation of brine line.
- **Vico Construction Corp**
 - Continued installation of new sanitary, gravity, and force main systems
 - Continued installation of storm drain structures
- **Virginia Paving Co**
 - Began Paving operations for Detour A at Bainbridge Blvd

- **US Wick Drains**
 - Not on site in September
- **Roche Brothers**
 - Began installing MSE Wall Panels at Ramp G and Ramp H
- **Garbarino Const Inc**
 - Completed installation of temporary sheet piles to enable construction of Triple Box Culvert extension on Dominion Blvd. at Mains Creek.
 - Began mobilization to demolish existing sound barrier wall at Ramp K for ramp widening
- **Century Concrete**
 - Began installation of Sound Barrier Wall #1 near Pine Wood Run Cul-de-Sac

MAINTENANCE OF TRAFFIC

Lane Closures

- Various temporary lane closures throughout project including night-time closures to minimize impacts to motorists
- 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 (10/01/13 – 10/31/13)

DBC Joint Venture

- B609 (Dominion Blvd. NB Bridge over Elizabeth River)
 - Continue formwork and construction of pier footings, columns and pier caps.
 - Begin setting 77 inch deep girders at pier spans north of the river
 - Begin bridge deck concrete placement at the north end of the bridge
- Open Detour A to divert traffic from Dominion Blvd. to Bainbridge Blvd. which will enable construction of B608 to start
- 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.
- Concrete placements for utility slabs
- 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
- Complete Zone 2 planting for Wetlands Mitigation Basin at Mains Creek

Hampton Roads Utilities

- Continue installation of the City of Chesapeake relocated water lines

Vico Construction Corp

- Continue installation of City of Chesapeake and HRSD relocated sanitary sewer lines

Roche Brothers

- Continue installation of MSE Walls at Ramp H and G

Virginia Paving

- Complete paving on Detour A at Bainbridge Blvd

Century Concrete

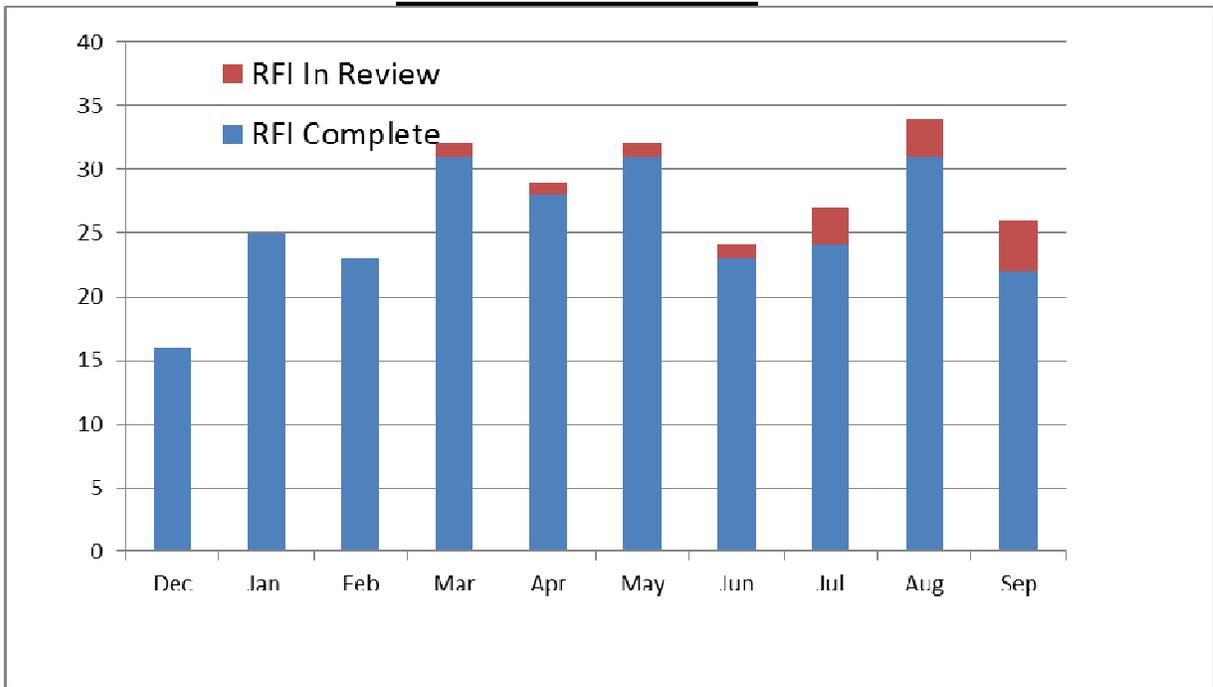
- Complete installation of Sound Wall panels at Pine Wood Run

Garbarino Const Inc

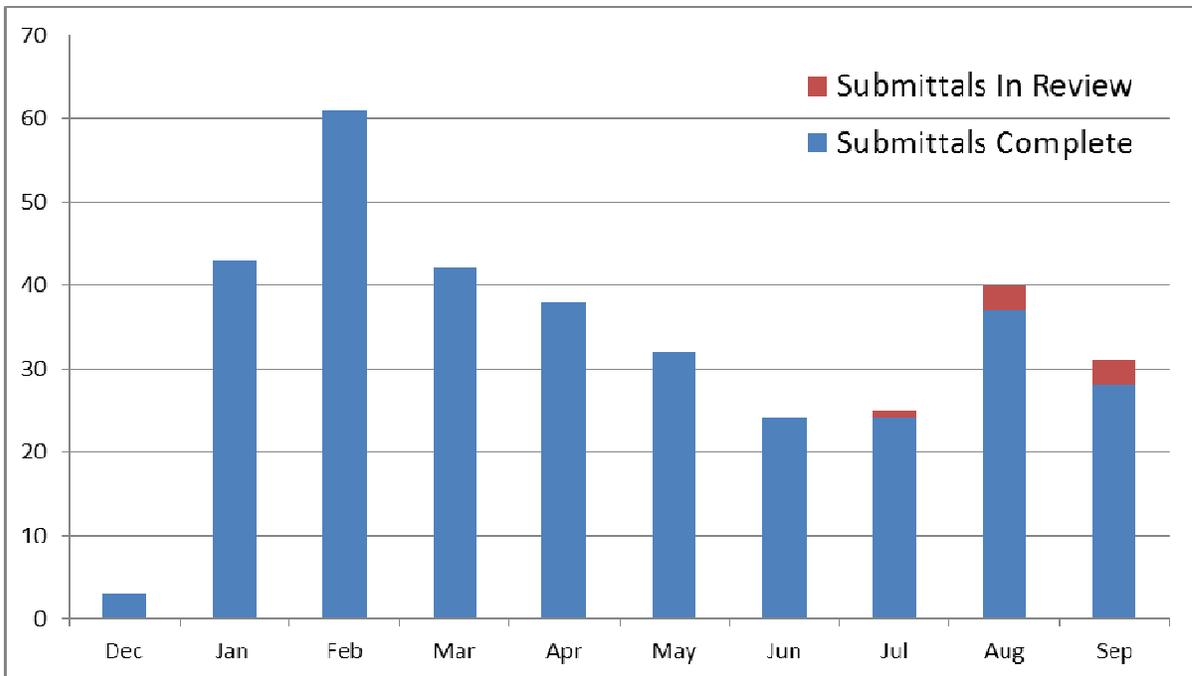
- Complete demolition of existing sound wall at Ramp K

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.	\$833,385.34	
10	Temp. Signal at Bainbridge and Sta. 55+50	\$80,549.56	
11	Type D Removable Pavement Markings for Concrete	\$206,406.12	
12	Removal of Concrete Barriers (\$12.50/LF)	\$7,999.78	
(TBD)	Ramp K/MSE Wall 22 Wick Drains	\$350,476.11	
(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)	Disposal of Unsuitable Material (base on 140,000 cy)	\$6,025,600.00	
(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 Main	\$18,061.62	
(TBD)	Additional Work Associated with Plan Revision 10	\$6,570.40	
N/A	RESCINDED: Unshown Utilities at 18" HRSD (Sta. 22+50 to	\$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)	Demolition/Removal of Existing Sound Wall	\$180,137.44	
(TBD)	Strom Drain Work Ref. RFI No. 191	\$4,110.62	
N/A	RESCINDED: Relocate HRSD Leak Detector Conflict	\$0.00	
		TOTAL	
		\$6,973,339.53	(\$1,079,249.24)
		Contract Addition	Credit

Submittals and RFI Status



Total number of RFIs as of September 30, 2013=268; RFIs Under Review: 14



Total number of Submittals as of September 30, 2013 = 339; Submittals Under Review: 7

SCHEDULE

- The contractor submitted its Revised Progress Schedule with a data date of July 25, 2013 which incorporates schedule improvements and other logic corrections. The Revised Progress Schedule resulted in a projected completion date of March 31, 2017, which is on track with the required fixed contract completion date of April 1, 2017.

Milestones

Activity ID	Activity Name	Status	Baseline	Revised Schedule		Actual
			Early Finish	Early Finish	Late Finish	Completion
1MS1010	Access Road C Complete	Not Completed	2/27/2015	4/22/2014	3/30/2017	
1MS1020	Bridge B-616 Complete	Not Completed	4/21/2014	4/14/2014	3/31/2017	
1MS1030	Great Bridge Blvd Through Ramps complete	Not Completed	3/1/2016	4/29/2016	3/31/2017	
1MS1040	B-614 & B-615 Complete	Not Completed	10/8/2015	12/9/2015	3/31/2017	
1MS1050	Great Bridge Area (Box culvert North) Complete	Not Completed	8/10/2016	9/21/2016	3/31/2017	
1MS1110	Ramp N Complete	Not Completed	2/13/2014	3/13/2014	6/1/2015	
1MS1120	Phase 1 Ramps P & J (Southbound)	Not Completed	4/14/2014	6/9/2014	5/5/2015	
1MS1130	Ramp I Complete	Not Completed	3/20/2014	3/20/2014	5/5/2015	
1MS1140	Ramp M Complete	Not Completed	5/1/2014	3/7/2014	5/5/2015	
1MS1150	Shift Traffic to Phase 2 (Ramps I, L, M, P & under K Complete)	Not Completed	9/5/2014	9/11/2014	4/2/2015	
2MS1000	Switch Traffic From Detour to B-609	Not Completed	12/19/2014	1/13/2015	1/13/2015	
2MS1100	Shift Traffic To Detour A	Not Completed	10/4/2013	12/13/2013	3/6/2014	
2MS1110	B-609 Complete	Not Completed	12/23/2014	12/23/2014	3/31/2017	
2MS1120	B-610 Complete	Not Completed	1/5/2015	1/15/2015	1/30/2015	
2MS1130	B-611 Complete	Not Completed	1/7/2015	1/19/2015	1/27/2015	
2MS1140	Shift Traffic to B-609	Not Completed	12/23/2014	1/13/2015	3/31/2017	
2MS1150	Ramp H Complete	Not Completed	12/16/2014	1/13/2015	3/31/2017	
2MS1160	Ramp G Complete	Not Completed	12/19/2014	10/30/2014	3/31/2017	
2MS1180	Close Ramps G, H, Dominion Lakes & DetourA	Not Completed	12/25/2014	1/13/2015	3/31/2017	
2MS1190	Ramp F & Bainbridge Blvd. Complete	Not Completed	7/6/2015	7/16/2015	3/31/2017	
334EW1170	Ramp G, to Box Culvert Complete	Not Completed	6/16/2014	2/27/2014	3/31/2017	
361EW1480	Station 361 to B614/B615 Complete	Not Completed	12/19/2014	10/30/2014	1/13/2015	
361EW1650	609 Abutment B through Ramp H Complete	Not Completed	12/16/2014	1/13/2015	1/13/2015	
3MS1000	Traffic to Temp Ramp A & B	Not Completed	1/15/2014	1/20/2014	3/27/2015	
3MS1010	B-6-12 & B-613 Complete (PH 2)	Not Completed	1/29/2016	1/15/2016	3/31/2017	
3MS1011	Ramps C & D Available for B-609 traffic	Not Completed	5/22/2015	1/30/2015	6/24/2015	
3MS1020	Phase 3 Complete	Not Completed	2/21/2017	6/15/2016	3/31/2017	
3MS1030	Cedar Road/Moses Grandy Complete	Not Completed	6/18/2015	11/17/2014	3/31/2017	
608-D1010	Detour A Traffic Switch Complete	Not Completed	10/4/2013	12/13/2013	6/17/2015	
609-D1010	Clearing and Access Complete	Completed	3/11/2013			3/22/2013
612-M9000	B612 Complete	Not Completed	1/28/2016	1/13/2016	3/30/2017	
613-M9000	B613 Complete	Not Completed	12/9/2015	11/30/2015	3/30/2017	
AHEW1080	Access Road H Complete	Not Completed	11/1/2013	8/22/2013	3/31/2017	
DAEW1390	Shift Traffic to Detour	Not Completed	10/4/2013	12/12/2013	3/5/2014	
GBMS1050	Great Bridge Blvd Phase 1 Complete	Not Completed	4/3/2014	5/15/2014	4/2/2015	
MS0020	Contract Completion	Not Completed	3/31/2017	3/31/2017	3/31/2017	
RIMS1090	Ramp I Complete	Not Completed	7/15/2014	3/20/2014	4/2/2015	
RKEW4150	Ramp K Complete	Not Completed	3/10/2014	5/28/2014	4/2/2015	
RKUT4110	Ramp K Utilities Complete	Completed	5/2/2013			6/10/2013
RLEW1230	Ramp L Under K Complete	Not Completed	2/27/2014	4/10/2014	2/3/2015	
RMEW1450	Ramp M Complete	Not Completed	5/26/2014	3/11/2014	4/2/2015	
RNEW1000	Ramp N Ground Improvements (Tied to RKEW4050)	Not Completed	8/16/2013	9/20/2013	4/8/2014	
RNEW1110	Ramp N Complete (Tie to K)	Not Completed	9/5/2014	9/11/2014	4/2/2015	
ROUT1090	Ramp O Complete	Not Completed	6/5/2014	6/4/2014	4/2/2015	
RPEW1670	Ramps P & J Complete	Not Completed	4/14/2014	6/9/2014	4/2/2015	

Reviewed by: _____
Mike Prezioso, PE, CCM, MBP

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

Attachement: Progress Photos



09/08/2013 Sheet Piling to construct Triple Box Culvert



09/24/2013 Construction of Triple Box Culvert



09/12/2013 B609 Abutment A Test Pile complete



10/01/2013 B609 Abutment A Production Pile complete



09/12/2013 B609 Pier 15 and Pier 16 columns



10/01/2013 B609 Pier 15 and Pier 16 columns; Detour A construction

Project Photos



09/27/2013 B609 Pier 14 Footing complete



10/01/2013 MSE Wall construction at Ramp H (Dominion Blvd NB Ramp to Dominion Lakes Blvd)



10/01/2013 Sound Wall construction at Pine Wood Run



09/24/2013 Zone 1 Planting at Mains Creek Mitigation Basin



09/24/2013 Detour A paving operation



10/01/2013 Detour A pavement markings complete



10/01/2013 B609 Bridge Deck form installation



09/27/2013 Pier 11 Column construction