

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)



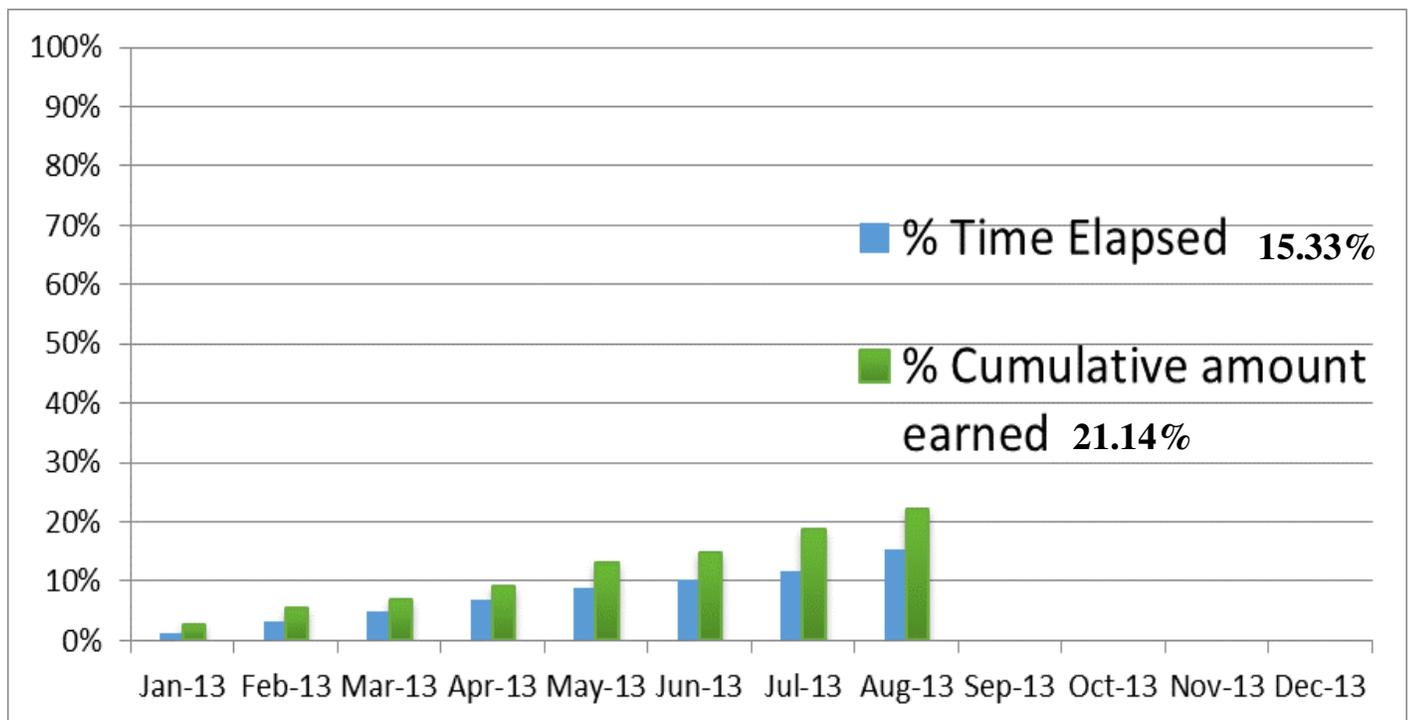
Status Report as of August 31, 2013

TABLE OF CONTENTS

DESCRIPTION	PAGE NUMBER
1. PROJECT STATUS – Schedule and Budget	3
2. SIGNIFICANT ACCOMPLISHMENTS (8/01/13 to 8/31/13)	6
3. KEY OPERATIONS UNDERWAY	7
4. ANTICIPATED WORK (9/01/13 to 9/30/13)	10
5. CHANGE ORDERS	12
6. RFI AND SUBMITTAL STATUS	13
7. SCHEDULE MILESTONES	14
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)	\$7,762,031
Contract Duration (Days)	1,546	Expenditures (Approved Change Orders)	(\$2,163,849)
Time Extension (Days)	0	Current Estimated Contract Value	\$193,668,502
Current Contract Duration (Days)	1,546		
Notice to Proceed	01/07/2013	Amount Paid Prior Periods	\$34,836,173
First Day of Work	01/07/2013	Amount Paid this Period	\$6,104,742
Contract Days Elapsed	237	Cumulative Amount Paid	\$40,940,915
Contract Days Remaining	1,309	Value Stock Piled Materials	\$5,426,904
Estimated Completion Date	04/01/2017	Total Contract Cost to Date	\$46,367,819
% Contract Work Complete	17%		
% Contract Days Elapsed	15.33%	% Current Estimated Contract Value Paid	21.14%
% Contract Time Remaining	84.67%	% Current Estimated Contract Value Remaining	78.86%

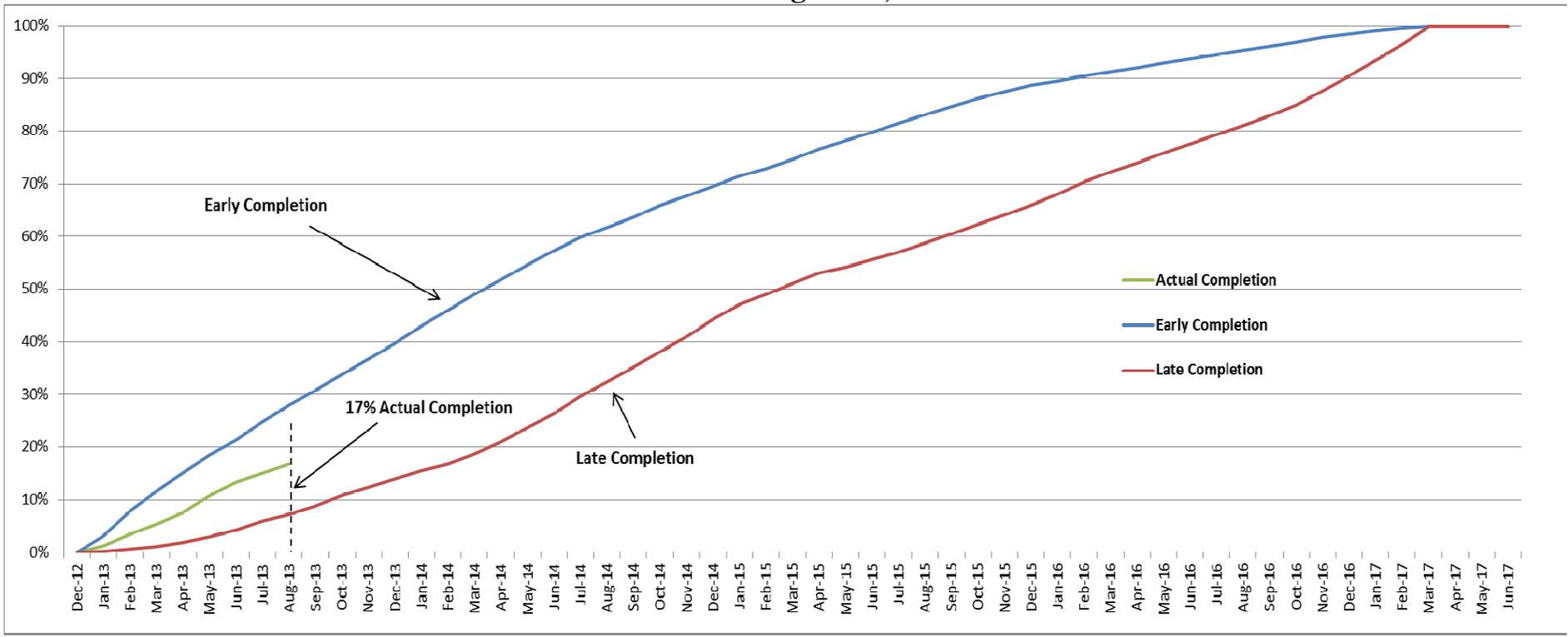


Cumulative amount paid vs Time Elapsed (NTP to August 31, 2013)

SCHEDULE

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

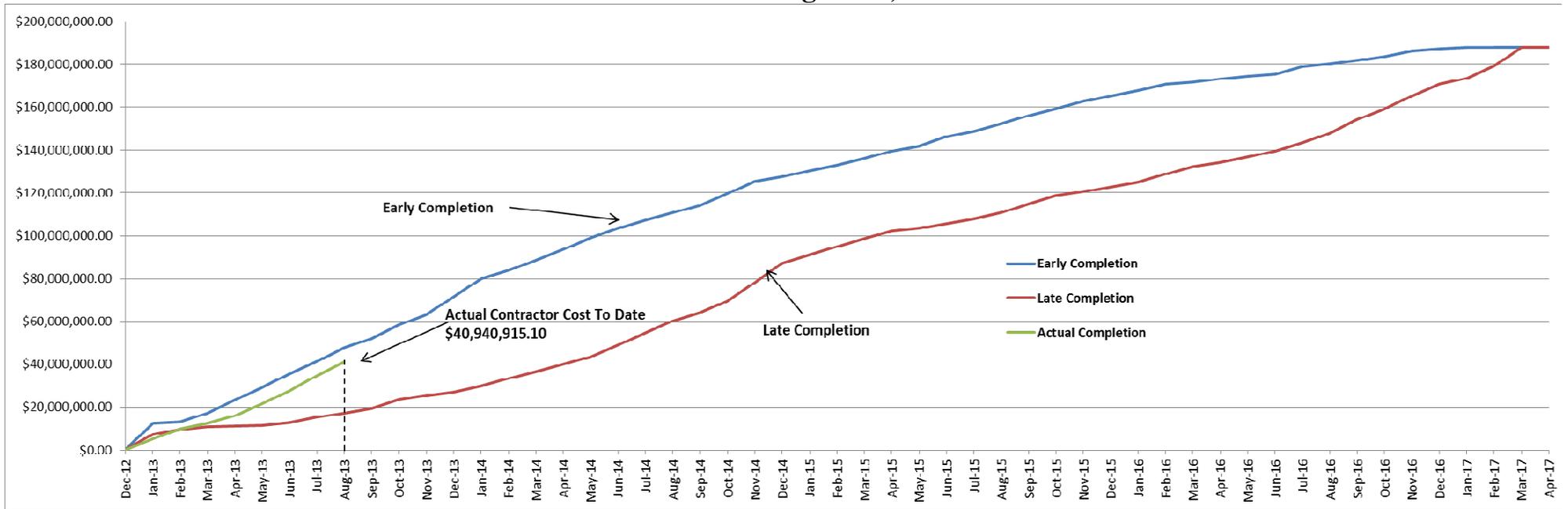
As of August 31, 2013



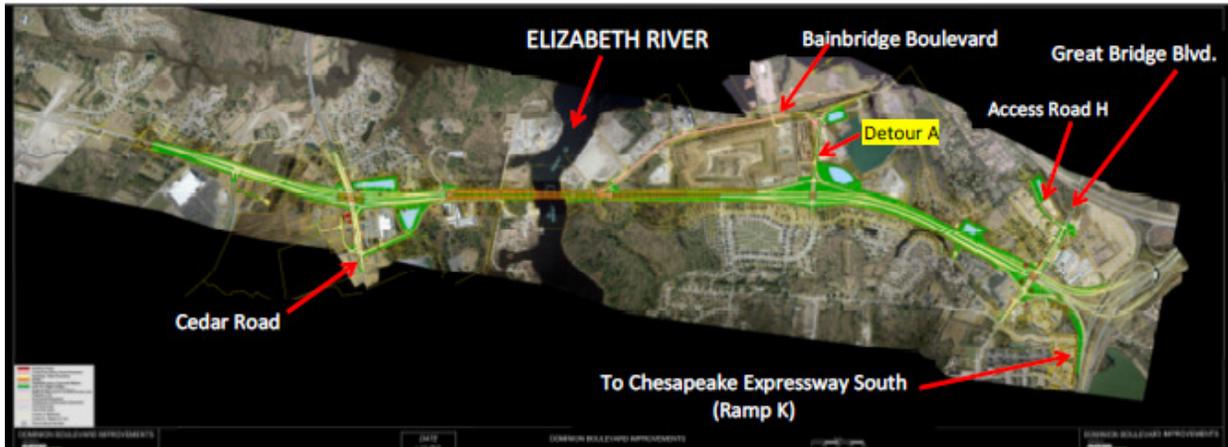
BUDGET

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

As of August 31, 2013



SIGNIFICANT ACCOMPLISHMENTS THIS MONTH (Aug. 1 – Aug. 31, 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

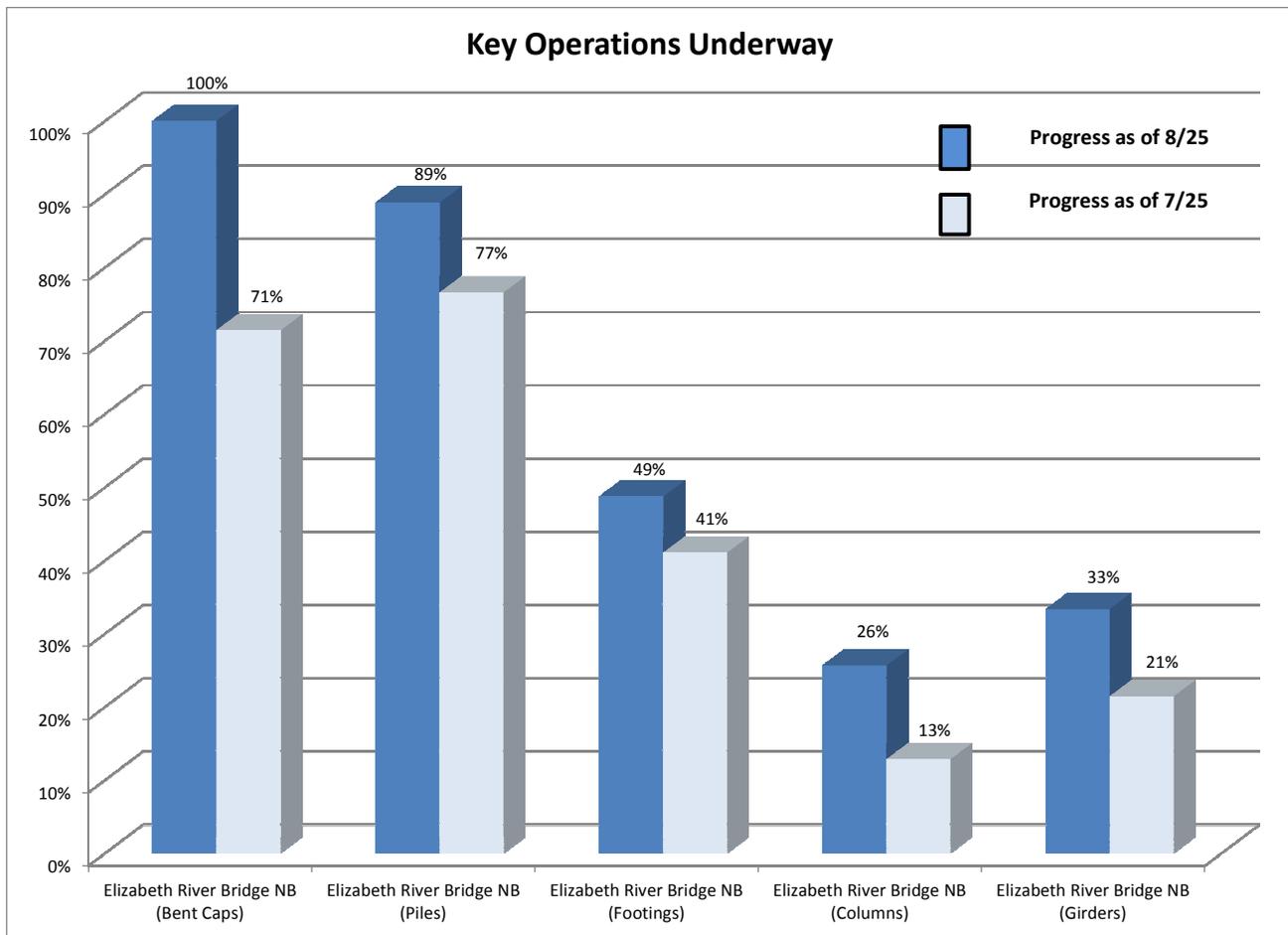
Prime Contractor

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 test pile for B609 and continued driving production piles
 - Continued placing concrete for footings, columns and bent caps including Pier 14 north river pier footing
 - Completed driving piles for all bents from Pier 28 to 41
 - Completed driving piles for 23 land piers
 - Completed test piles for Abutments A and B
 - Erected girders for remaining three bent spans
 - (See Attached Progress Photos)

- **B616 (Dom. Blvd./Rte. 168 SB Ramp over Great Bridge Blvd. to I-64 Ramp)**
 - Completed driving piles for B616 Abutment A and began ground improvement piles at Ramp K.



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 construction of temporary Detour A (Relocated Bainbridge Blvd) including Phase 1 reconstruction of existing Bainbridge Blvd.
- 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 grading and formation of Wetlands Mitigation Basin. Establishment of plantings will follow.
- 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 M (new Dominion Blvd. North Ramp to Great Bridge Blvd.). Erection of wall panels are complete. Currently installing surcharge for advanced settlement prior to road construction.
- Began Construction of the Mechanically Stabilized Earth (MSE) wall at Ramp H (new Dominion Blvd. North Ramp to Dominion Lakes.)



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

Subcontractors

- **Budget Barrel**
 - Continued installation of construction signs and maintenance of traffic
 - Installation of various work zones
- **R.L. Galloway Surveying**
 - Continued construction surveying
- **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 and relocated brine line
- **Vico Construction Corp**
 - Continued installation of new sanitary, gravity, and force main systems
- **Virginia Paving Co**
 - No work this month
- **Spivey Pavement Markings**
 - No work this month
- **Lasting Coastline**
 - Installed temporary concrete barrier at Dominion Blvd.

- **Commercial Seeding Inc.**
 - Continued temporary seeding of slopes and other incremental seeding for erosion control
- **Coastal Precast Inc. (CPI)**
 - Continued fabrication of production piles for B609 (24 in piles)
 - Continued fabrication of precast concrete MSE wall panels
 - Began fabrication of 77 inch deep bulb tee girders for B609 pier spans
- **Bayshore**
 - Completed fabrication of production piles for B609 (30 inch piles)
 - Continued fabrication of precast concrete beams for B609
- **US Wick Drains**
 - Completed installation of vertical wick drains and strip drains at Ramp I (Great Bridge Blvd. to Dom. Blvd. south); also began wick drains at Ramp K/Ramp N.
- **Roche Brothers**
 - Began concrete placement for the leveling pad and installation of MSE Walls at Ramp H (new Dominion Blvd. North Ramp to Dominion Lakes.)
- **Garbarino Const Inc**
 - Began installation of Temporary Sheet Piles to enable construction of Triple Box Culvert under Dominion Blvd. at Mains Creek.

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 on as per plans. Traffic is being detoured using a double loop on Exit 1 (Rte 464) to Rte 168 S Exit 15B.



Detour Route for Ramp P Closure

- Bainbridge Blvd. remains closed to through traffic for reconstruction of existing Bainbridge Blvd. prior to opening Detour A. Access to local businesses remains open.



ANTICIPATED WORK PLANNED FOR NEXT MONTH (9/01/13 – 9/30/13)

DBC Joint Venture

- B609 (Dominion Blvd. NB Bridge over Elizabeth River)
 - Complete driving all concrete piles
 - 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 formwork for bridge deck at the north end of the bridge
- Continue installation of storm drainage systems at various locations
- Continue widening of Dominion Blvd. including MSE walls for ramps at Dominion Lakes
- Continue installation of over 600 ground improvement piles at Ramp K
- 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.
- Begin installation of plantings for Wetlands Mitigation Basin at Mains Creek

Hampton Roads Utilities

- Continue installation of the City of Chesapeake relocated water lines
- Complete relocation of the brine line and tie in

Vico Construction Corp

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

Commercial Seeding Inc.

- Continue installation and maintenance of temporary silt fence., various locations

R.L. Galloway

- Continue construction surveying

Budget Barrel

- Continue installation of construction signs and traffic control devices

Roche Brothers

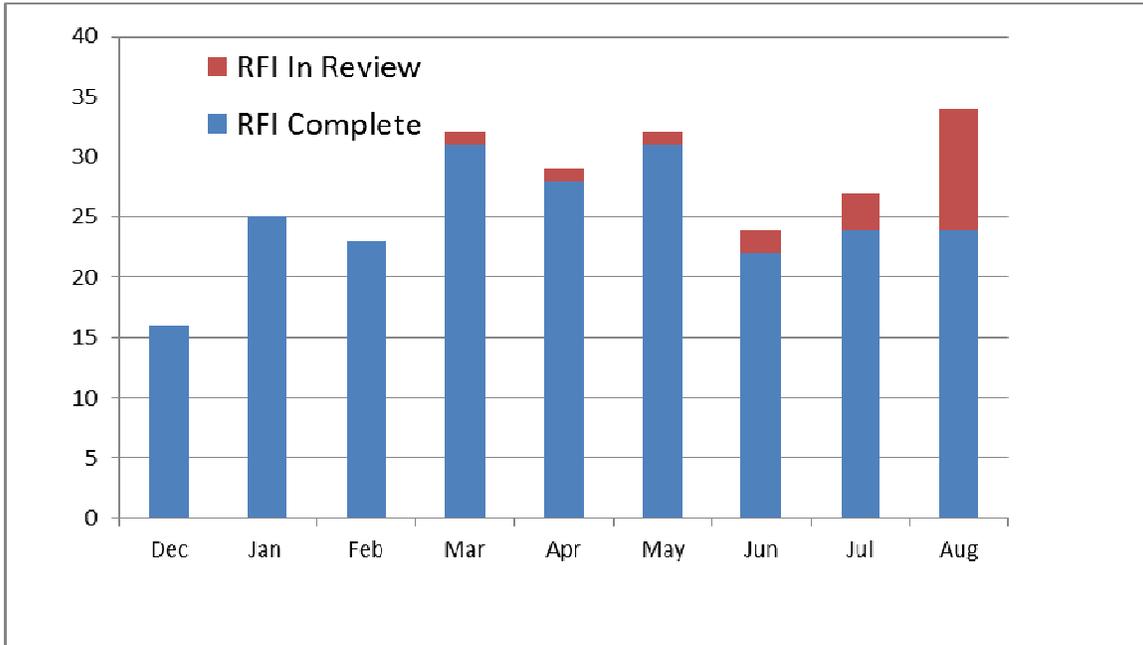
- Continue installation of MSE Walls at Ramp H

Virginia Paving

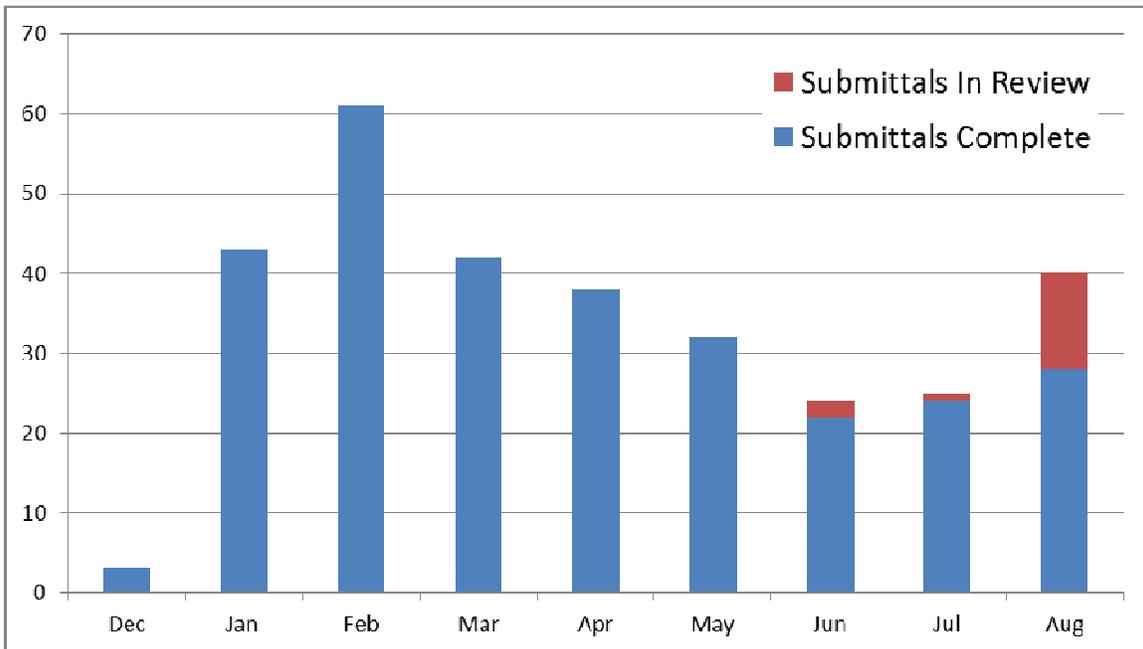
- Begin paving on Detour A at Bainbridge Blvd

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	\$148,000.00	
05	Add #57 stone to the contract	\$851,600.00	
06	Add Trainees to the contract	\$54,627.26	
07	2" HDPE Conduit - Bored	\$25,747.68	
08	8" Sanitary Force Main Under Wetlands	\$41,282.50	
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)	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	\$18,061.62	
(TBD)	Additional Work Associated with Plan Revision 10	\$6,570.40	
(TBD)	Unshown Utilities at 18" HRSD (Sta. 22+50 to 23+00)	\$13,247.50	
(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	
(TBD)	Relocate HRSD Leak Detectors for Storm Drain Install	\$4,662.29	
	TOTAL	\$7,762,030.65	(\$2,163,849.19)
		Contract Addition	Credit

Submittals and RFI Status



Total number of RFIs as of August 31, 2013=242; RFIs Under Review 17



Total number of Submittals as of August 31, 2013 = 308; Submittals Under Review 13

SCHEDULE

- Due to the late projected completion date from the CPM Schedule Update No. 2 (representing progress through July 25, 2013), the Contractor was required to submit a Revised Progress Schedule.
- The contractor submitted its Revised Progress Schedule with a data date of August 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 Pictures



Existing Single Box Culvert to be replaced (04/19/2013)



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



B609 Girder installation on Bent Caps (07/25/2013)



B609 Stay-In-Place (SIP) bridge deck forms being installed on Bents (09/09/2013)



B609 Pier 21 Column construction (08/23/2013)



B609 Pier 22 Cap construction (09/08/2013)

Project Photos



B609 Pier 27 Cap looking south (09/09/2013)



Strip Drain installation at Ramp I (08/16/2013)



Begin MSE Wall construction at Ramp H (08/23/2013)



Asphalt paving at Detour A (09/08/2013)



Ground Improvement Piles at Ramp K (08/15/2013)



Wick Drain Installation at Ramp K (08/15/2013)



SWM 5 construction (08/23/2013)



Storm Drain Structures at Oak Grove Connector (08/23/2013)