

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)



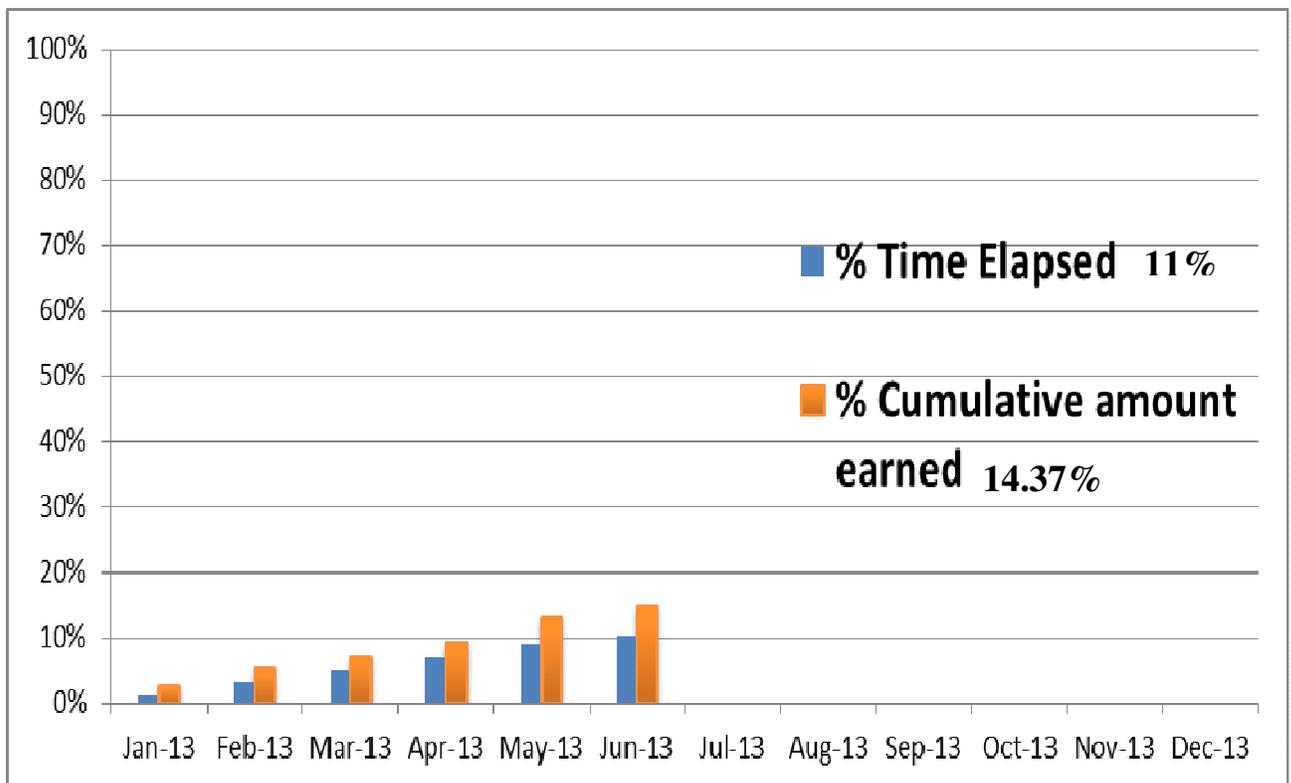
Status Report as of June 30, 2013

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PROJECT STATUS (Schedule and Budget)

Schedule		Budget	
Contract Type	Fixed Date	Contract Value	\$188,070,319.89
Fixed Contract Completion Date	04/01/2017	Exposure (Pending Change Orders)	\$7,255,531.44
Contract Duration (Days)	1,546	Expenditures (Approved Change Orders)	(\$2,163,849.19)
Time Extension (Days)	0	Current Estimated Contract Value	\$193,162,002.14
Current Contract Duration (Days)	1,546		
Notice to Proceed	01/07/2013	Amount Paid Prior Periods	\$20,882,847.74
First Day of Work	01/07/2013	Amount Paid this Period	\$6,883,751.92
Contract Days Elapsed	169	Cumulative Amount Paid	\$27,766,599.66
Contract Days Remaining	1,377	Value Stock Piled Materials	\$3,869,310.90
Estimated Completion Date	04/01/2017	Total Contract Cost to Date	\$31,635,910.56
% Contract Work Complete	13%		
% Contract Days Elapsed	11%	% Current Estimated Contract Value Paid	14.37%
% Contract Time Remaining	89%	% Current Estimated Contract Value Remaining	85.63%

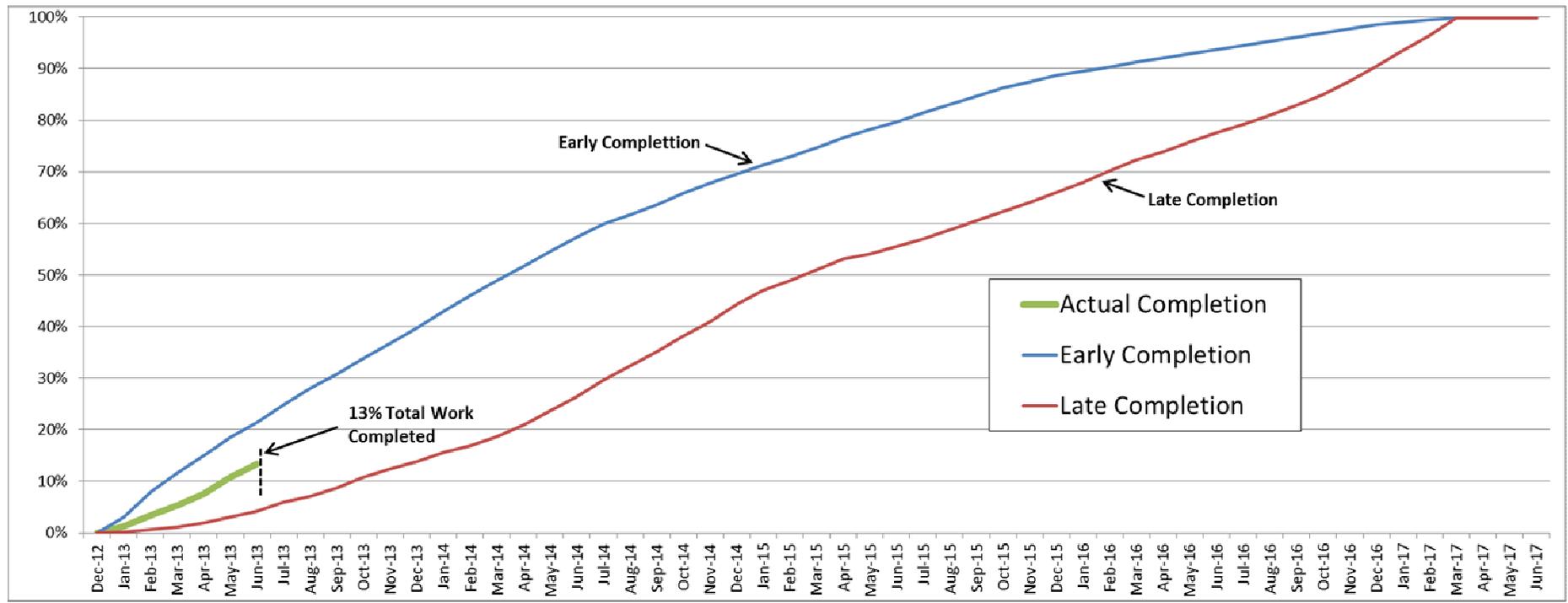


Cumulative amount paid vs Time Elapsed (NTP to Estimate date June 25, 2013)

SCHEDULE

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

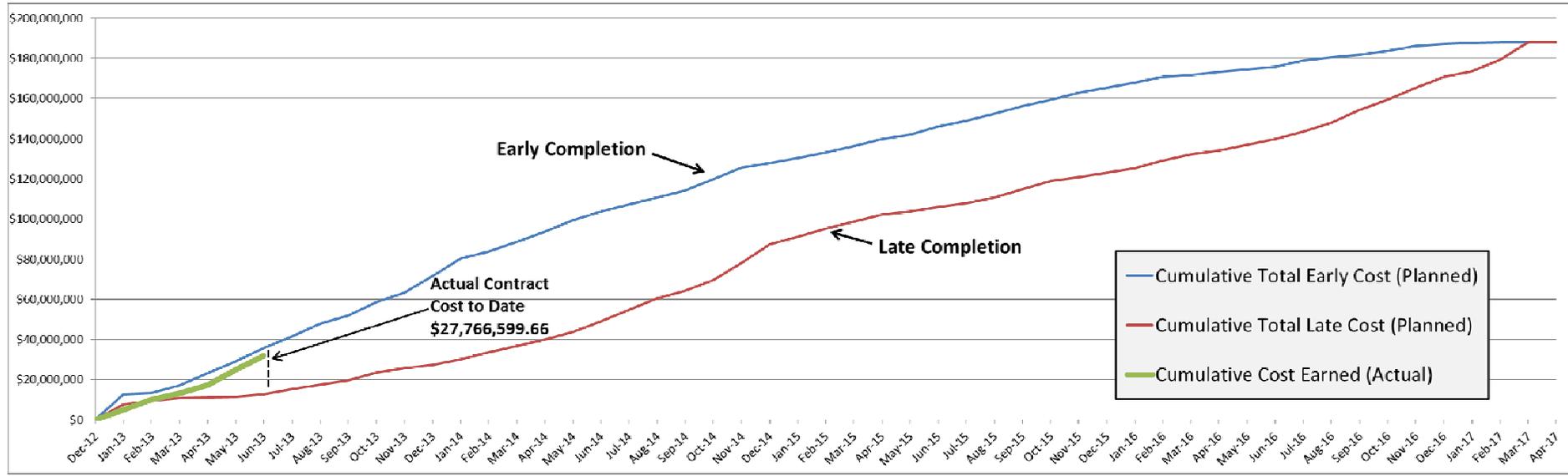
As of June 30, 2013



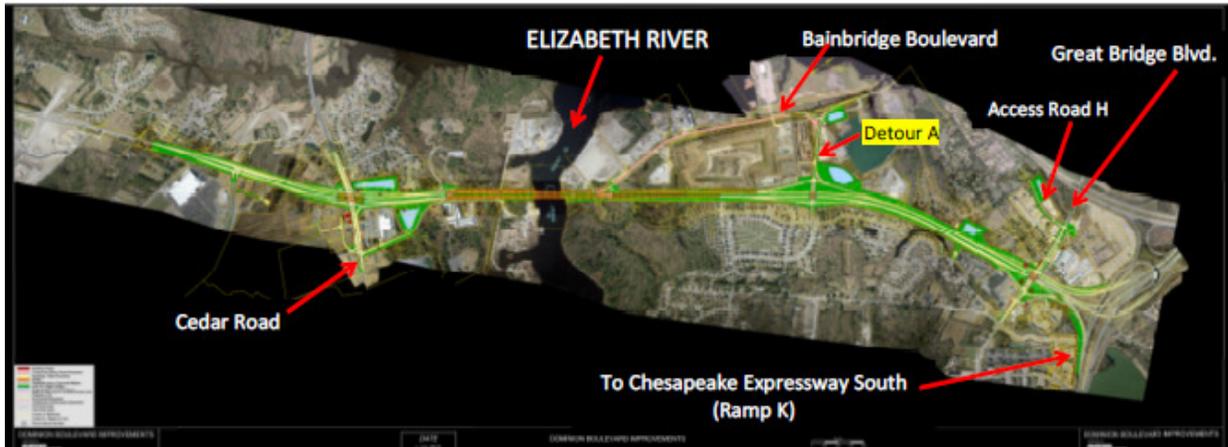
BUDGET

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

As of June 30, 2013



SIGNIFICANT ACCOMPLISHMENTS THIS MONTH (June 1 – June 30, 2013)



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

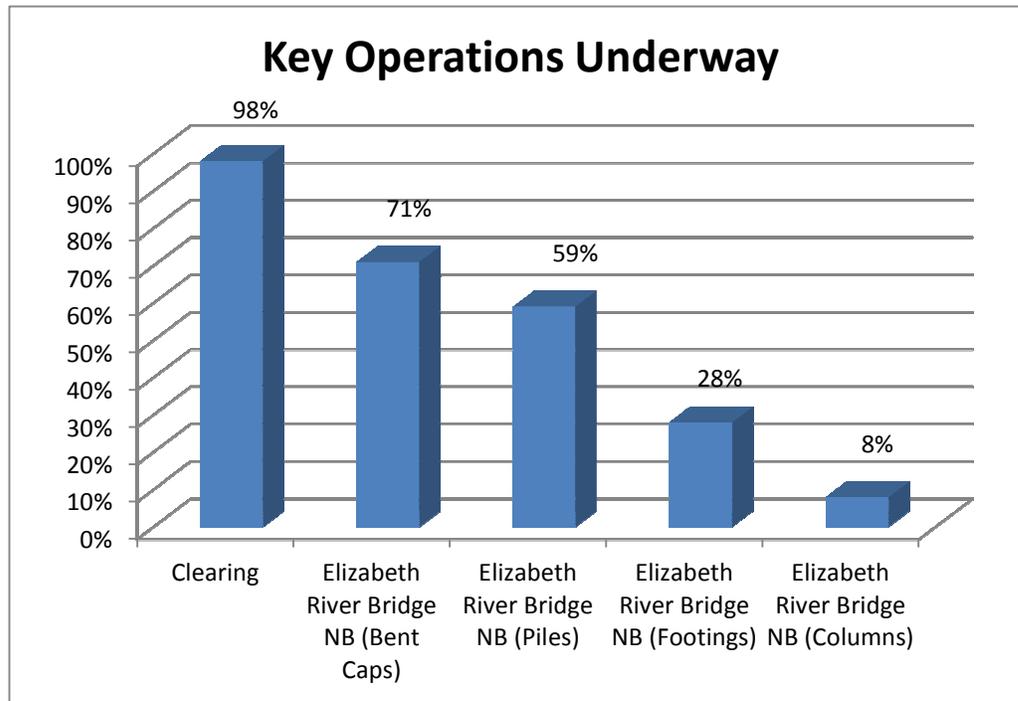
Prime Contractor

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
 - Completed driving piles for 13 bents
 - Completed driving piles for 15 land piers
 - (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:

- Completed Pedestrian Tunnel extension at Ramp K (to Ches. Expressway South), continued to place embankment over tunnel extension
- Continued construction of Access Road H, new connector from Libertyville Rd to Great Bridge Blvd. and Westcove Lane, planned opening by July 31, 2013.
- 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)
- Continued roadway widening in the area of Dominion Lakes/Dominion Boulevard intersection
- 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 6 excavation
 - Continued SWM 5 and SWM 4
 - Began excavation for SWM 1 and SWM 2
- Continued construction of Wetlands Mitigation Basin
- Continued widening of Ramps at north end of project
- Began construction of the Mechanically Stabilized Earth (MSE) wall at Ramp M (new Dominion Blvd. Ramp to Great Bridge Blvd.)



Temporary Detour A (Relocated Bainbridge) Under Construction

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
 - Continued excavation for SWM 5
- **Hampton Roads Utility**
 - Continued installation of new water lines
- **Vico Construction Corp**
 - Continued installation of new sanitary, gravity, and force main systems
- **Virginia Paving Co**
 - Reconstructed shoulders at Ramp Q for traffic shift to enable widening and reconstruction of Ramps Q and J
- **Spivey Pavement Markings**
 - Installation of temporary pavement markings associated with various work zones
- **Lasting Coastline**
 - Installed temporary traffic barriers for work zones at Ramp K and Q
- **West Contracting Inc.**
 - Continued clearing and grubbing operations (currently completing operations and cleanup)

- **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
- **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 M (NB Dominion Blvd. to Great Bridge Blvd.)
- **Roche Brothers**
 - Began concrete placement for the leveling pad and installation of MSE Walls

MAINTENANCE OF TRAFFIC

Lane Closures

- Various temporary lane closures throughout project including night-time closures to minimize impacts to motorists
- Closed Ramp P (Rte 168 N Exit 15B to Dominion Blvd S) 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

ANTICIPATED WORK PLANNED FOR NEXT MONTH (7/01/13 – 7/31/13)**DBC Joint Venture**

- B609 (Dominion Blvd. NB Bridge over Elizabeth River)
 - Continue driving production piles (land piers and complete bents)
 - Continue formwork and construction of pier footings
 - Continue formwork and construction of pier columns and bent caps
 - Continue formwork for Pier 14 river pier pile cap
 - Begin setting girders
- Continue constructing Access Road H, new connector from Libertyville Road to Great Bridge Blvd. and Mains Creek Road. Planned opening by July 31, 2013.
- Continue installation of storm drainage systems at various locations
- Continue widening of Dominion Blvd. including ramps at Dominion Lakes
- Begin installation of temporary sheeting at Ramp K in preparation for ground improvement piles
- Continue construction of Access Road C, which will provide access to and from Dominion Boulevard and Cedar Rd.
- Continue widening of Ramps Q, L, and P

Hampton Roads Utilities

- Continue installation of City of Chesapeake relocated water lines

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

West Contracting, Inc.

- Complete clearing and grubbing

R.L. Galloway

- Continue construction surveying

Budget Barrel

- Continue installation of construction signs and traffic control devices

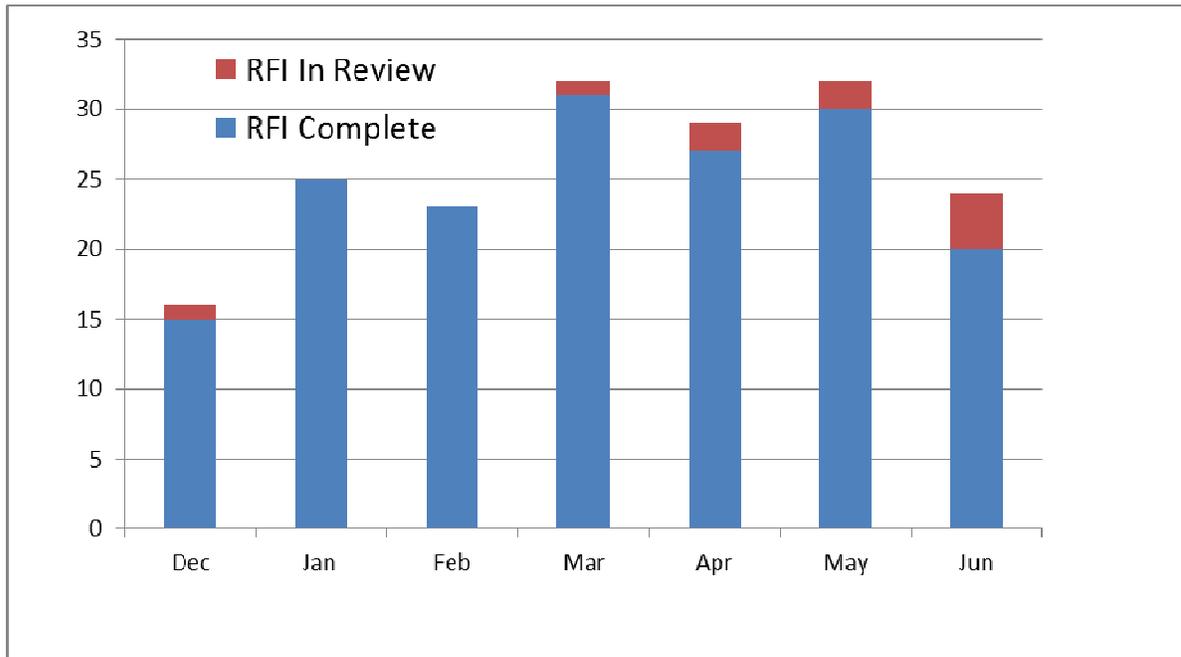
Roche Brothers

- Continue installation of MSE Walls at Ramp M

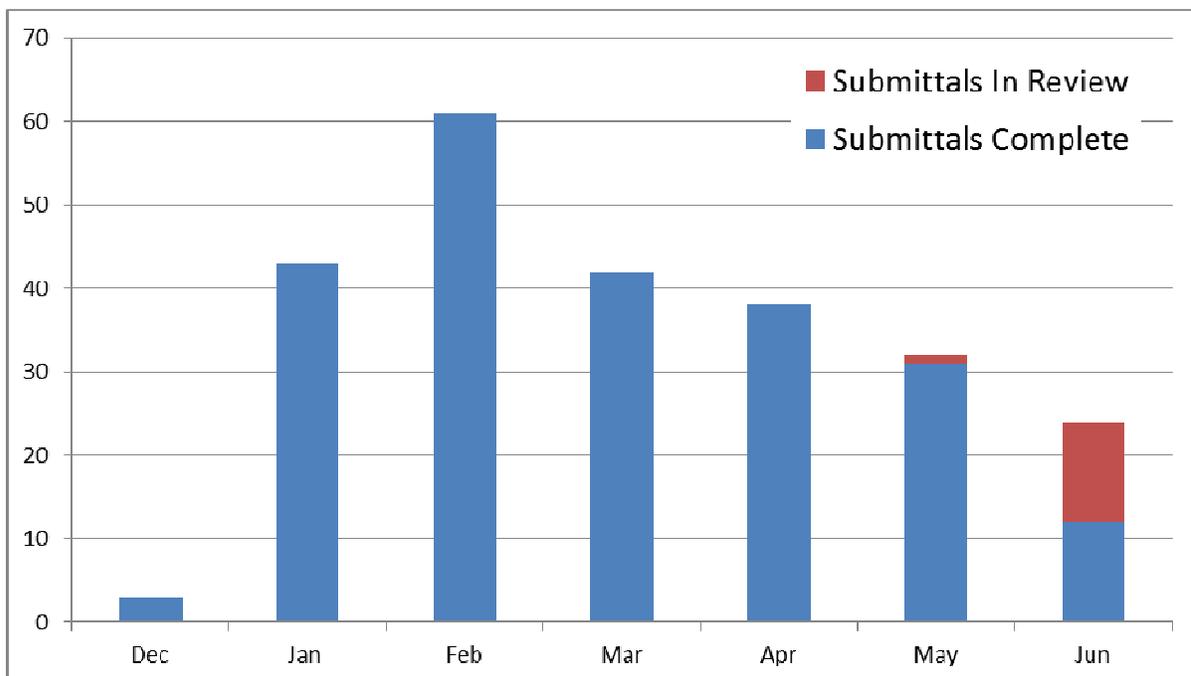
CHANGE ORDERS

Change Order Number	Scope	Exposure from Change Orders (\$)	Expenditures from Change Orders (\$)
01	Add Flaggers & Portable Changeable Message Signs	Change Order No. 1	\$91,071.25
02	Replace Porous fill with strip drains at MSE Walls	Change Order No. 2	(\$1,444,802.94)
03	Raise B608 & B609 Bridge Footings	Change Order No. 3	(\$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	
(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)	VDOT VMS Sign Removal/Reinstall	\$47,883.33	
(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)	Removal of Concrete Barriers (\$12.50/LF)	\$7,999.78	
(TBD)	Type D Removable Pavement Markings for Concrete	\$206,406.12	
(TBD)	24" x 6" Reducer for Additional Fire Hydrant	\$4,172.63	
(TBD)	Relocation of the Pressure Sensor Telemetry Cabinet	\$35,692.90	
	TOTAL	\$7,255,531.44	(\$2,163,849.19)
		Contract Addition	Credit

Submittals and RFI Status



Total number of RFIs as of June 30, 2013=181



Total number of Submittals as of June 30, 2013 = 243

SCHEDULE

Critical Milestones

Activity ID	Activity Name	Early Finish	Late Finish
2MS1170	B-608 Complete	31-Mar-17	31-Mar-17
MS0020	Contract Completion	31-Mar-17	31-Mar-17
MS2010	Bainbridge Blvd 608/609/610/611 Complete	31-Mar-17	31-Mar-17
DAEW1390	Shift Traffic to Detour	4-Oct-13	16-Oct-13
361EW1480	Station 361 to B614/B615 Complete	19-Dec-14	2-Jan-15
2MS1000	Switch Traffic From Detour to B-609	19-Dec-14	5-Jan-15

Interim Milestones

Activity ID	Activity Name	Early Finish	Late Finish
1MS1000	Ramps, Great Bridge Blvd. to Box Culvert Complete	1-Mar-16	31-Mar-17
1MS1010	Access Road C Complete	27-Feb-15	30-Mar-17
1MS1020	Bridge B-616 Complete	21-Apr-14	31-Mar-17
1MS1030	Great Bridge Blvd Through Ramps complete	1-Mar-16	31-Mar-17
1MS1040	B-614 & B-615 Complete	8-Oct-15	31-Mar-17
1MS1050	Great Bridge Area (Box culvert North) Complete	10-Aug-16	31-Mar-17
1MS1110	Ramp N Complete	13-Feb-14	13-May-15
1MS1120	Phase 1 Ramps P & J (Southbound)	14-Apr-14	20-Apr-15
1MS1130	Ramp I Complete	20-Mar-14	12-Dec-14
1MS1140	Ramp M Complete	1-May-14	20-Apr-15
1MS1150	Shift Traffic to Phase 2 (Ramps I, L, M, P & under K Complete)	5-Sep-14	20-Apr-15
2MS1100	Shift Traffic To Detour A	4-Oct-13	16-Jun-14
2MS1110	B-609 Complete	23-Dec-14	31-Mar-17
2MS1120	B-610 Complete	5-Jan-15	30-Jan-15
2MS1130	B-611 Complete	7-Jan-15	27-Jan-15
2MS1140	Shift Traffic to B-609	23-Dec-14	31-Mar-17
2MS1150	Ramp H Complete	16-Dec-14	31-Mar-17
2MS1160	Ramp G Complete	19-Dec-14	31-Mar-17
2MS1180	Close Ramps G, H, Dominion Lakes & DetourA	25-Dec-14	31-Mar-17
2MS1190	Ramp F & Bainbridge Blvd. Complete	6-Jul-15	31-Mar-17
334EW1170	Ramp G, to Box Culvert Complete	16-Jun-14	31-Mar-17
361EW1650	609 Abutment B through Ramp H Complete	16-Dec-14	30-Jan-15
3MS1000	Traffic to Temp Ramp A & B	15-Jan-14	13-Mar-15
3MS1010	B-6-12 & B-613 Complete (PH 2)	29-Jan-16	31-Mar-17
3MS1011	Ramps C & D Available for B-609 traffic	22-May-15	3-Jul-15
Activity ID	Activity Name	Early Finish	Late Finish

3MS1020	Phase 3 Complete	27-Feb-17	31-Mar-17
3MS1030	Cedar Road/Moses Grandy Complete	18-Jun-15	31-Mar-17
608-D1010	Detour A Traffic Switch Complete	4-Oct-13	8-Jun-15
609-D1010	Clearing and Access Complete	11-Mar-13	16-Aug-13
612-M9000	B612 Complete	28-Jan-16	30-Mar-17
613-M9000	B613 Complete	9-Dec-15	30-Mar-17
AHEW1080	Access Road H Complete	1-Nov-13	31-Mar-17
GBMS1050	Great Bridge Blvd Phase 1 Complete	3-Apr-14	20-Apr-15
MS1010	Great Bridge Blvd 614/615/616 Complete	10-Aug-16	31-Mar-17
MS3010	Cedar Road 612/613 Complete	27-Feb-17	31-Mar-17
RIMS1090	Ramp I Complete	15-Jul-14	20-Apr-15
RKEW4150	Ramp K Complete	10-Mar-14	20-Apr-15
RKUT4110	Ramp K Utilities Complete	2-May-13	27-May-14
RLEW1080	Place Traffic on completed Ramps R & L	10-Aug-16	31-Mar-17
RLEW1230	Ramp L Under K Complete	27-Feb-14	25-Feb-15
RMEW1450	Ramp M Complete	26-May-14	20-Apr-15
RNEW1000	Ramp N Ground Improvements (Tied to RKEW4050)	16-Aug-13	9-Apr-14
RNEW1110	Ramp N Complete (Tie to K)	5-Sep-14	20-Apr-15
ROUT1090	Ramp O Complete	5-Jun-14	20-Apr-15
RPEW1670	Ramps P & J Complete	14-Apr-14	20-Apr-15

Reviewed by: 
Mike Prezioso, PE, CCM, MBP

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

ATTACHMENT: Progress Photographs



Pier 19 NB: Reinforcing steel (5/8/2013)



Pier footing construction at B609 (6/20/2013)



Pier 27 NB Column: 05/22/13



B609 Pier cap complete (7/10/2013)



B609 Bent Caps (5/22/2013)



Bent B609 view from Bent 34 NB

Project Photos



Ramp M Installation of Strip Drains (6/6/2013)



Mains Creek Mitigation Basin (7/05/2013)



MSE Wall Installation at Ramp M (7/05/2013)



Pile Driving at Pier 8 NB B609 (6/20/2013)



Pier 22 NB Piling operations complete B609 (6/20/2013)



Pier 11 NB Footing Completed B609 (6/20/2013)