

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)



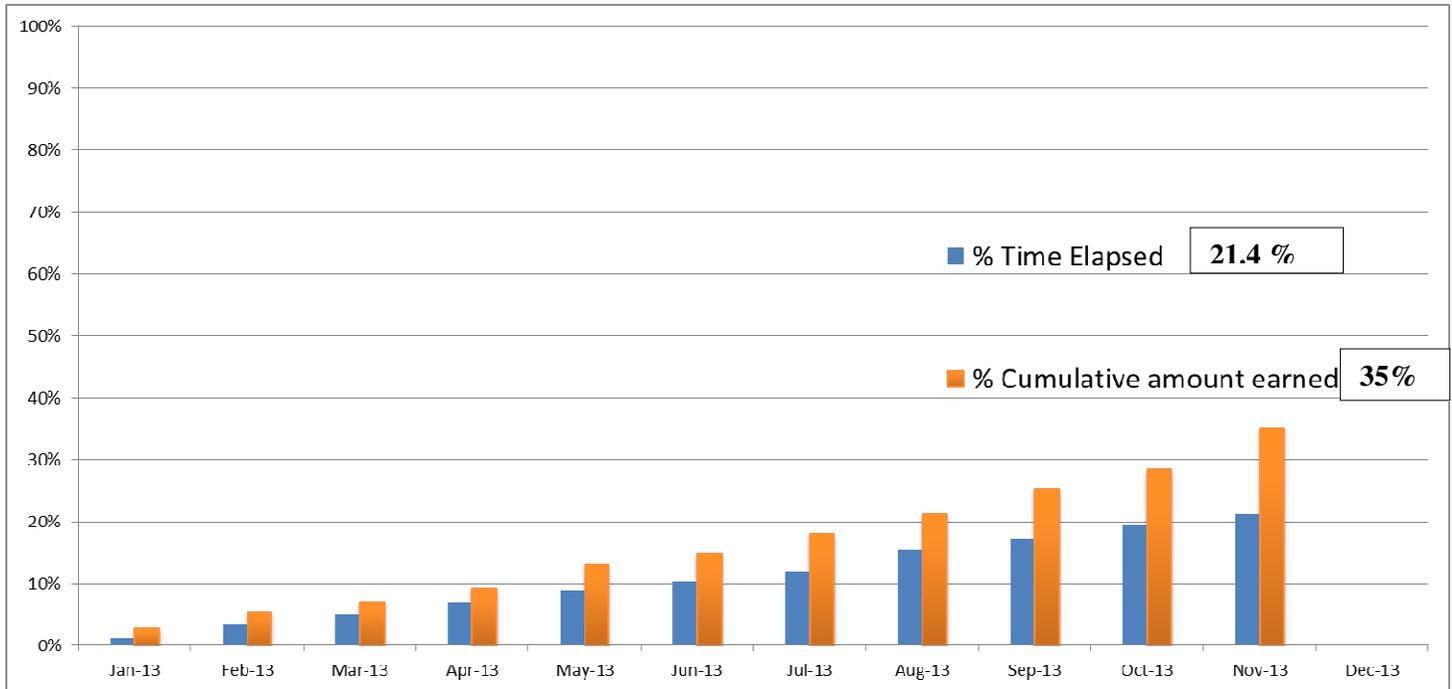
Status Report as of November 30, 2013

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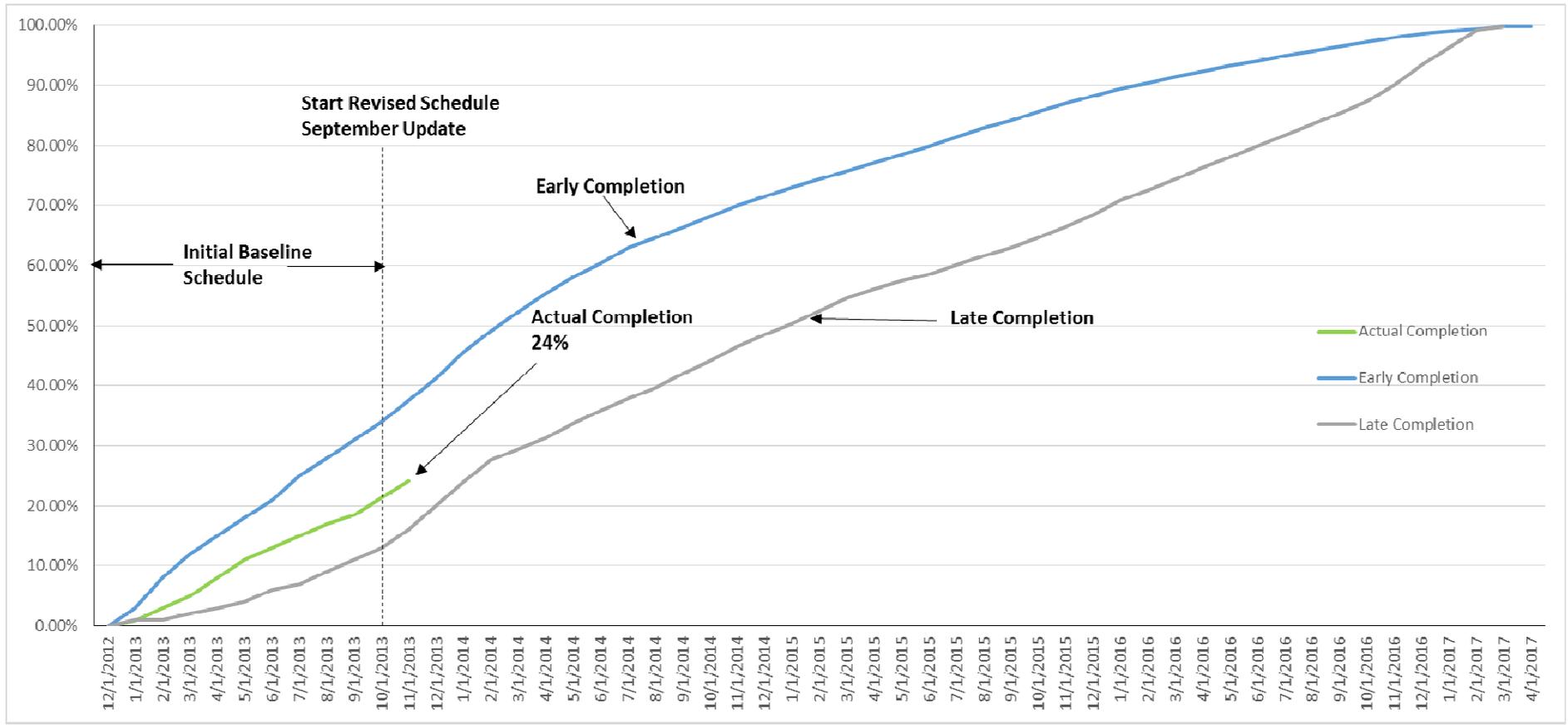
PROJECT STATUS (Schedule and Budget)

Schedule		Budget	
Contract Type	Fixed Date	Contract Value	\$188,070,320
Fixed Contract Completion Date	04/01/2017	Exposure (Pending Change Orders)	\$ 6,873,138
Contract Duration (Days)	1,546	Expenditures (Approved Change Orders)	(\$ 1,079,249)
Time Extension (Days)	0	Current Estimated Contract Value	\$193,864,209
Current Contract Duration (Days)	1,546		
Notice to Proceed	01/07/2013	Amount Paid Prior Periods	\$54,969,264
First Day of Work	01/07/2013	Amount Paid this Period	\$12,905,172
Contract Days Elapsed	328	Cumulative Amount Paid	\$67,874,436
Contract Days Remaining	1218	Value Stock Piled Materials	\$12,881,127
Estimated Completion Date	04/01/2017	Total Contract Cost to Date	\$80,755,563
% Contract Work Complete	24 %		
% Contract Days Elapsed	21.2%	% Current Estimated Contract Value Paid	35%
% Contract Time Remaining	78.8%	% Current Estimated Contract Value Remaining	65%



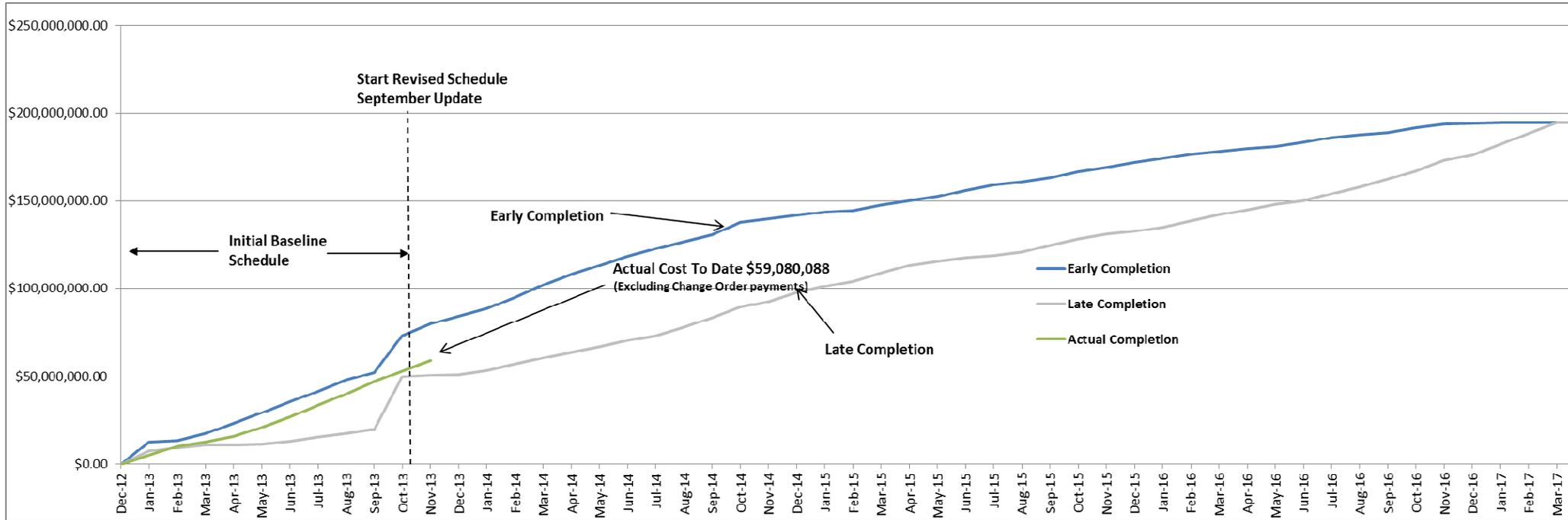
SCHEDULE

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



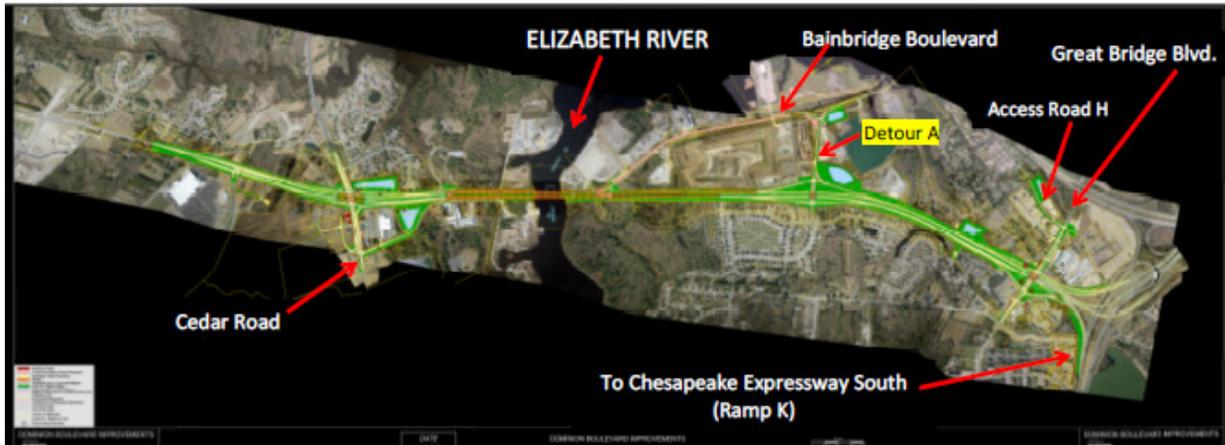
BUDGET

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



As of November 30, 2013

SIGNIFICANT ACCOMPLISHMENTS THIS MONTH (Nov. 1 – Nov. 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):**
 - Continued formwork for bridge deck north of the 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 placing concrete for river footings

(See Attached Progress Photos)

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

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

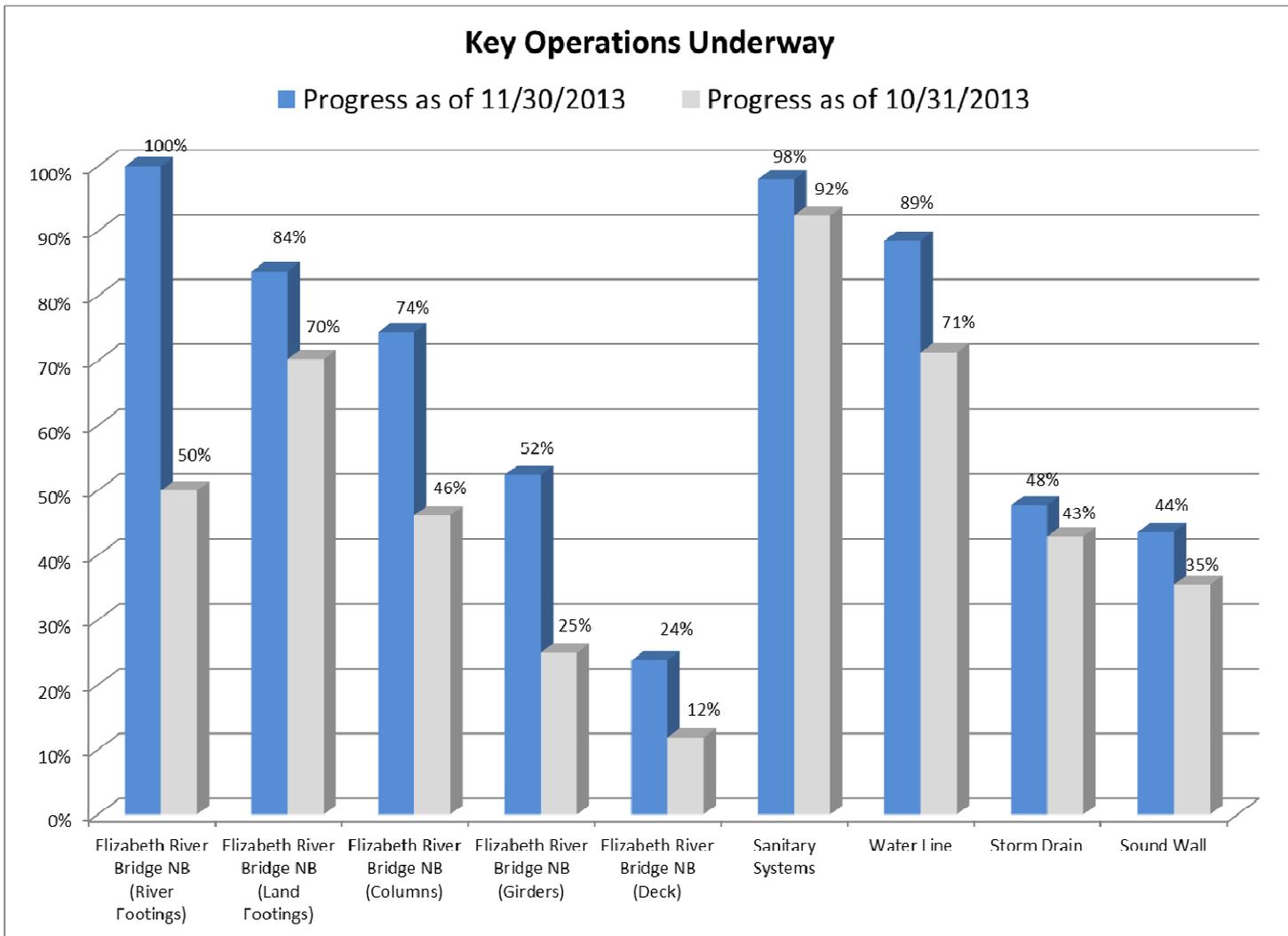
- Completed concrete placement for pier columns

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 Ramps A and B at Cedar Rd which will be used as temporary relocated Dominion Blvd. This will enable construction of B612 and B613.
- 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.
 - Continued excavation for SWM 1 and SWM 2
- Continued work in preparation of widening 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 SWM 4 and ditches
- **Hampton Roads Utility**
 - Continued installation of new water lines
- **Vico Construction Corp**
 - Substantially completed installation of new City sanitary, gravity, and force main systems
- **US Wick Drains**
 - Continued installation of wick drains at Ramp N, B610 abutments, B611 abutments and B609 abutments.
- **Roche Brothers**
 - Continued installing MSE Wall Panels at Ramp K and Ramp H
- **Garbarino Const Inc**
 - Completed demolition of existing sound barrier wall at Ramp K for ramp widening
- **Century Concrete**
 - Completed installation of Sound Barrier Wall #1 near Pine Wood Run Cul-de-Sac
- **Uretek ICR Mid- Atlantic**
 - Began installation of Test Soil Nails at Ramp L, Ramp J and Ramp P.



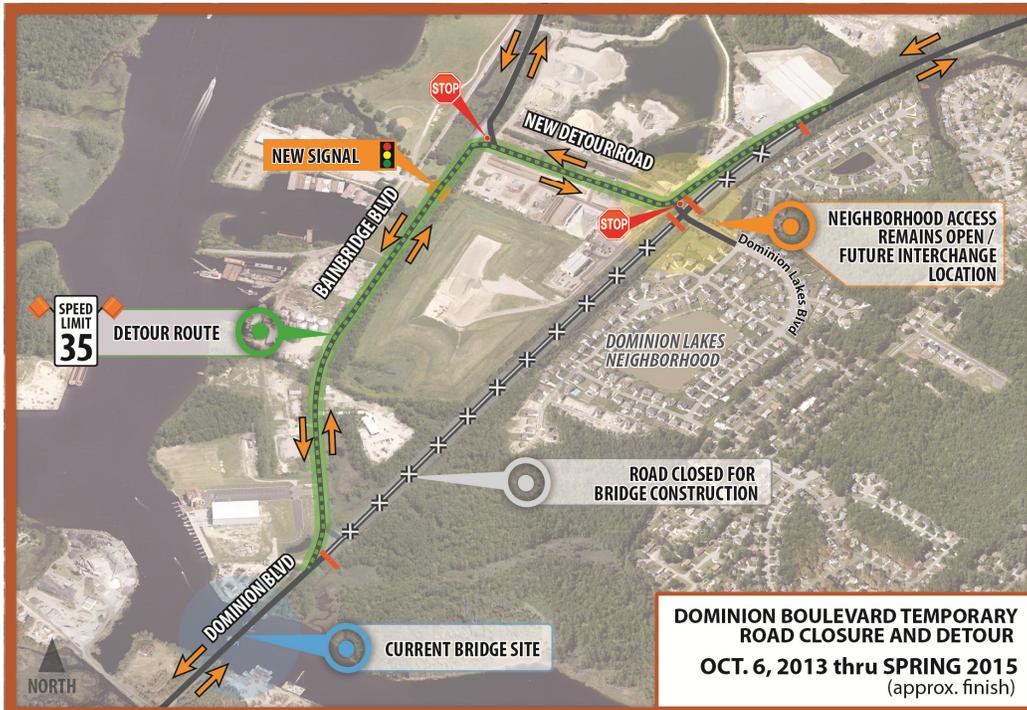
Project Key Operation Status as of 11/30/2013

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
Elizabeth River Bridge NB (River Footings)	Nov-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 (12/01/13 – 12/31/13)**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 north of the river
- B608 (Dominion Blvd. SB Bridge over Elizabeth River)
 - Continue driving piles north of the river
 - Continue concrete placements for bent caps
- B616 (Dom. Blvd./Rte. 168 SB Ramp over Great Bridge Blvd. to I-64 Ramp)
 - Begin concrete placement for Straddle Bent pier caps
- 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 B616 Abutments.

Virginia Paving

- Complete paving operations on Access C, Ramp A, Ramp B and Access A

Century Concrete

- Begin installation of new Sound Wall at Ramp K

US Wick Drains

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

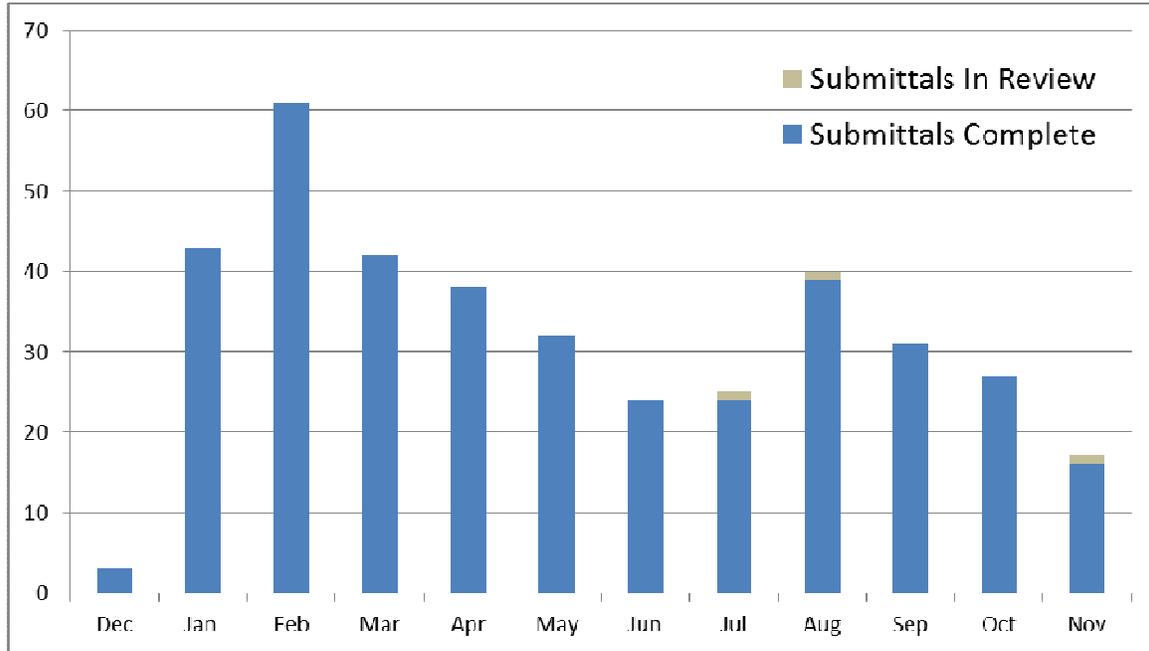
Virginia Sign and Lighting

- Install temporary signalizations in preparation for temporary detour

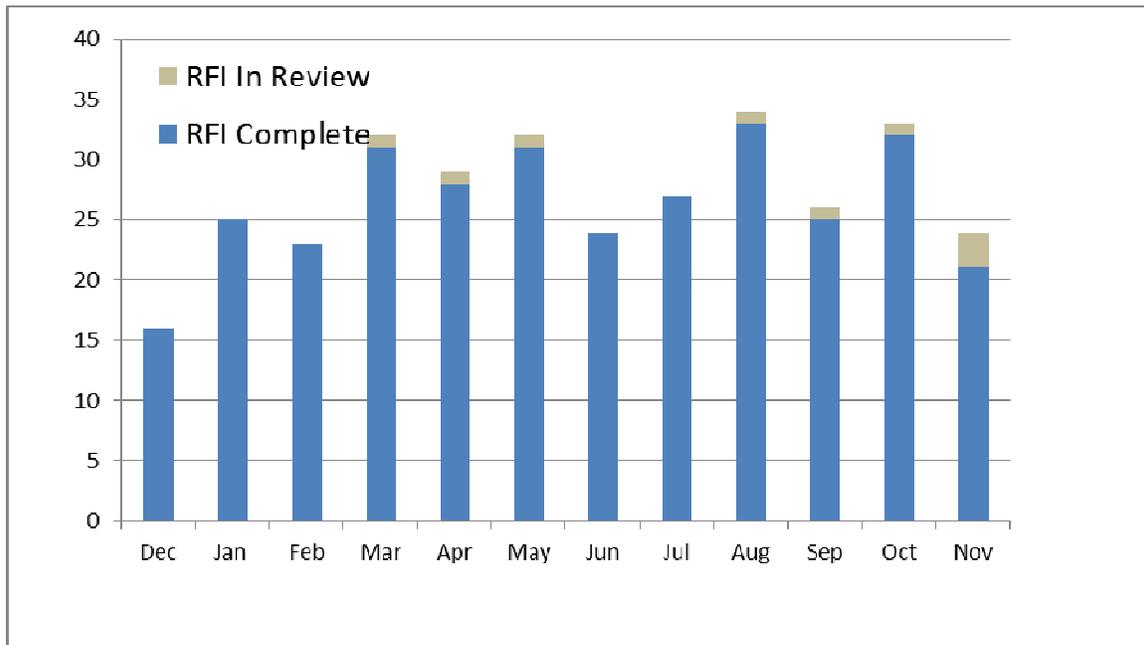
Change Orders

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)	Delete Aesthetic Treatment	(\$1,681,643.00)	
(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)	Relocation of the Pressure Sensor Telemetry	\$35,692.90	
(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)	Water Meter Vault at DR-1J50-1	\$11,157.98	
(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)	4 inch water meters at Great Bridge & Cedar	\$35,482.08	
(TBD)	Waterline Joint Restraint at Great Bridge Blvd.	\$4,701.38	
(TBD)	VMS Conductor Cable	\$19,502.00	
(TBD)	Remove/Salvage Existing Signal Equipment	\$39,115.32	
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	\$6,873,137.87	(\$1,079,249.24)
		Contract Addition	Credit

Submittals and RFI Status



Total Number of Submittals = 383; Number of Submittals in review = 3;



Total Number of RFI = 325; Number of RFI in review = 9;

SCHEDULE

- The contractor submitted Update No. 5 of the Progress Schedule with a data date of November 25, 2013. This update incorporates minor logic corrections and has a projected completion date of March 31, 2017.

Milestones

Activity ID	Activity Name	Status	July 2013 Recovery Schedule		November 2013 Update 5		Actual Finish
			Early Finish	Late Finish	Early Finish	Late Finish	
1MS1010	Access Road C Complete	Not Completed	4/22/2014	3/30/2017	9/5/2014	1/2/2015	
1MS1020	Bridge B-616 Complete	Not Completed	4/14/2014	3/31/2017	4/28/2014	4/22/2015	
1MS1030	Great Bridge Blvd Through Ramps complete	Not Completed	4/29/2016	3/31/2017	6/8/2016	3/31/2017	
1MS1040	B615 Complete	Not Completed	N/A		1/25/2016	3/31/2017	
1MS1045	B614 Complete	Not Completed	N/A		1/25/2016	3/31/2017	
1MS1110	Ramp N Complete	Not Completed	3/13/2014	6/1/2015	10/27/2014	4/22/2015	
1MS1120	Ramps P & J Complete	Not Completed	N/A		5/15/2014	4/22/2015	
1MS1130	Ramp I Complete	Not Completed	3/20/2014	5/5/2015	6/11/2014	6/11/2015	
1MS1140	Ramp M Complete	Not Completed	3/7/2014	5/5/2015	5/19/2014	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	10/27/2014	4/22/2015	
2MS1110	B-609 Complete	Not Completed	12/23/2014	3/31/2017	12/22/2014	1/2/2015	
2MS1120	B-610 Complete	Not Completed	1/15/2015	1/30/2015	12/22/2014	3/31/2017	
2MS1130	B-611 Complete	Not Completed	1/19/2015	1/27/2015	9/2/2014	1/2/2015	
2MS1140	Shift Traffic to B-609	Not Completed	1/13/2015	3/31/2017	12/22/2014	1/2/2015	
2MS1150	Ramp H Complete	Not Completed	1/13/2015	3/31/2017	12/22/2014	1/2/2015	
2MS1160	Ramp G Complete	Not Completed	10/30/2014	3/31/2017	9/23/2014	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	12/22/2014	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	2/21/2014	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	1/25/2016	3/31/2017	
361EW1650	609 Abutment B through Ramp H Complete	Not Completed	1/13/2015	1/13/2015	12/22/2014	1/2/2015	
3MS1000	Traffic to Temp Ramp A & B	Not Completed	1/20/2014	3/27/2015	4/24/2014	3/27/2015	
3MS1011	Ramps C & D Available for B-609 traffic	Not Completed	1/30/2015	6/24/2015	3/25/2015	6/16/2015	
3MS1020	Phase 3 Complete	Not Completed	6/15/2016	3/31/2017	10/5/2016	3/31/2017	
3MS1030	Cedar Road/Moses Grandy Complete	Not Completed	11/17/2014	3/31/2017	4/19/2016	3/31/2017	
612-M9000	B612 Complete	Not Completed	1/13/2016	3/30/2017	4/19/2016	3/30/2017	
613-M9000	B613 Complete	Not Completed	11/30/2015	3/30/2017	3/7/2016	3/30/2017	
GBMS1050	Great Bridge Blvd Phase 1 Complete	Not Completed	5/15/2014	4/2/2015	8/12/2014	4/22/2015	
MS0020	Contract Completion	Not Completed	3/31/2017	3/31/2017	3/31/2017	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	5/28/2014	4/2/2015	5/28/2014	4/22/2015	
RLEW1080	Place Traffic on completed Ramps R & L	Not Completed	9/21/2016	3/31/2017	10/5/2016	3/31/2017	
RLEW1230	Ramp L Under K Complete	Not Completed	4/10/2014	2/3/2015	4/2/2014	4/22/2015	
RNEW1000	Ramp N Ground Improvements (Tied to RKEW4050)	Not Completed	9/20/2013	4/8/2014	11/25/2013	9/2/2014	
ROUT1090	Ramp O Complete	Not Completed	6/4/2014	4/2/2015	5/29/2014	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	
1MS1000	Ramps, Great Bridge Blvd. to Box Culvert Complete	Deleted	4/29/2016	3/31/2017		N/A	
1MS1050	Great Bridge Area (Box culvert North) Complete	Deleted	9/21/2016	3/31/2017		N/A	
MS1010	Great Bridge Blvd 614/615/616 Complete	Deleted	9/21/2016	3/31/2017		N/A	
MS3010	Cedar Road 612/613 Complete	Deleted	6/15/2016	3/31/2017		N/A	

Reviewed by: _____

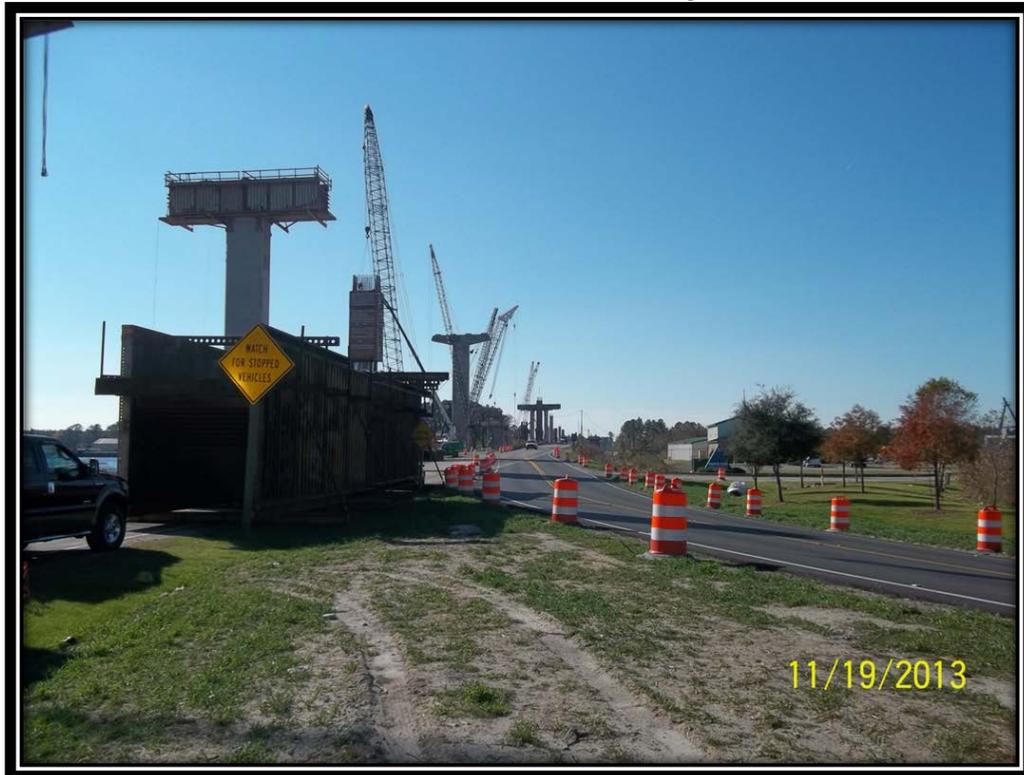
Mike Prezioso, PE, CCM, MBP

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

Attachement: Progress Photos



10/24/2013 B609 Substructure looking South



11/19/2013 B609 Substructure looking South



10/24/2013 77" Deep Girders set on B609 Pier Caps



11/19/2013 77" Deep Girders set on B609 Pier Caps



10/01/2013 Sound Barrier Wall 1 under construction



11/19/2013 New Sound Barrier Wall 1 installed



11/5/2013 B608 Bent Caps and Piles; B609 Abutment B MSE Wall



11/19/2013 B608 Bent Caps and Piles; B609 Abutment B MSE Wall



10/01/2013 Existing Pond at SWM 4 Location



11/19/2013 Storm Water Management Basin 4 completed



11/26/2013 B609 Pier 13 River Footing concrete placement



11/26/2013 B609 Pier 13 River Footing concrete placement



11/19/2013 B616 Pier 1 Straddle Bent column



11/19/2013 B609 Bridge Deck and Barrier