

**Dominion Boulevard Construction Report**  
**For**  
**April - 2016**

**Posted 05-25-16**



## 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)



*Elizabeth River Bridges*

***Status Report as of April 30, 2016***

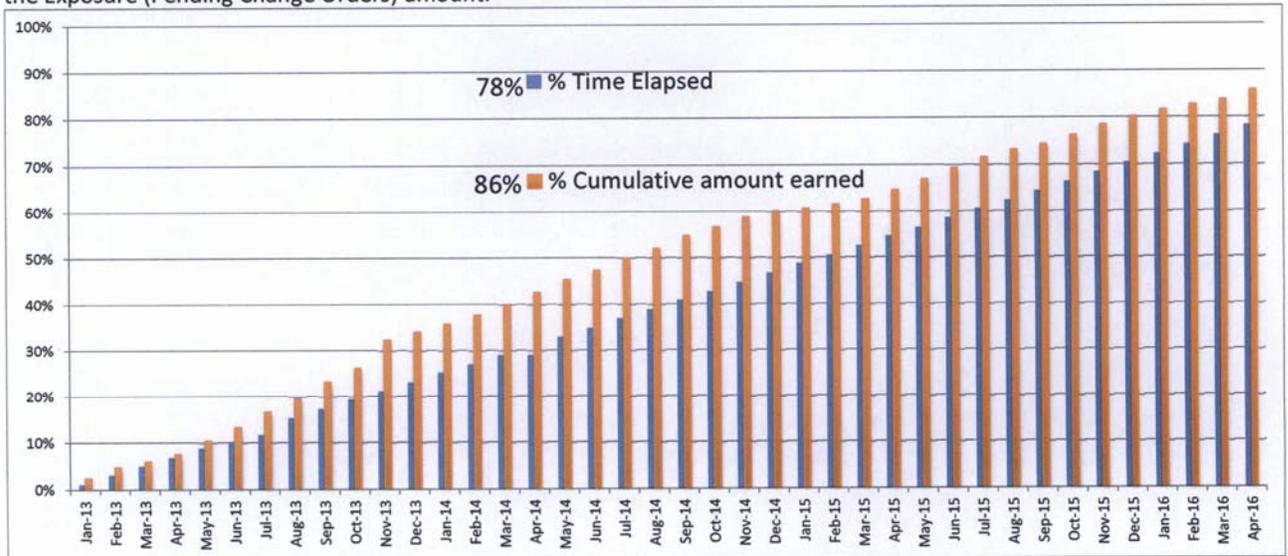
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**1. PROJECT STATUS (Schedule and Budget)**

| Schedule                         |            | Budget   |               |
|----------------------------------|------------|--|---------------|
| Contract Type                    | Fixed Date | Original Contract Value  | \$188,070,320 |
| Fixed Contract Completion Date   | 04/01/2017 | Exposure (Pending Change Orders)   | \$1,290,649   |
| Contract Duration (Days)         | 1,546      | Expenditures (Approved Change Orders)                                    | \$6,932,297   |
| Time Extension (Days)            | 0          | Exposure (Projected Quantity Overruns)                                   | \$753,228     |
| Current Contract Duration (Days) | 1,546      | Expenditures (Actual Quantity Overruns)                                  | \$10,672,174  |
|                                  |            | 11/26/2013 Council Resolution-Scope Mod <sup>1</sup>                     | \$2,275,393   |
| Notice to Proceed                | 01/07/2013 | Current Estimated Contract Value   | \$209,994,061 |
| First Day of Work                | 01/07/2013 | Amount Paid Prior Periods  | \$175,983,492 |
| Contract Days Elapsed            | 1210       | Amount Paid this Period  | \$4,272,764   |
| Contract Days Remaining          | 336        | Cumulative Amount Paid   | \$180,256,256 |
| Estimated Completion Date        | 04/01/2017 | Value Stock Piled Materials  | \$6,259,638   |
|                                  |            | Total Contract Cost to Date  | \$186,515,894 |
| % Contract Work Complete         | 86%        |  |               |
| % Contract Days Elapsed          | 78%        | % Current Estimated Contract Value Paid (Not Including Stored Materials) | 86%           |
| % Contract Time Remaining        | 22%        | % Current Estimated Contract Value Remaining                             | 14%           |

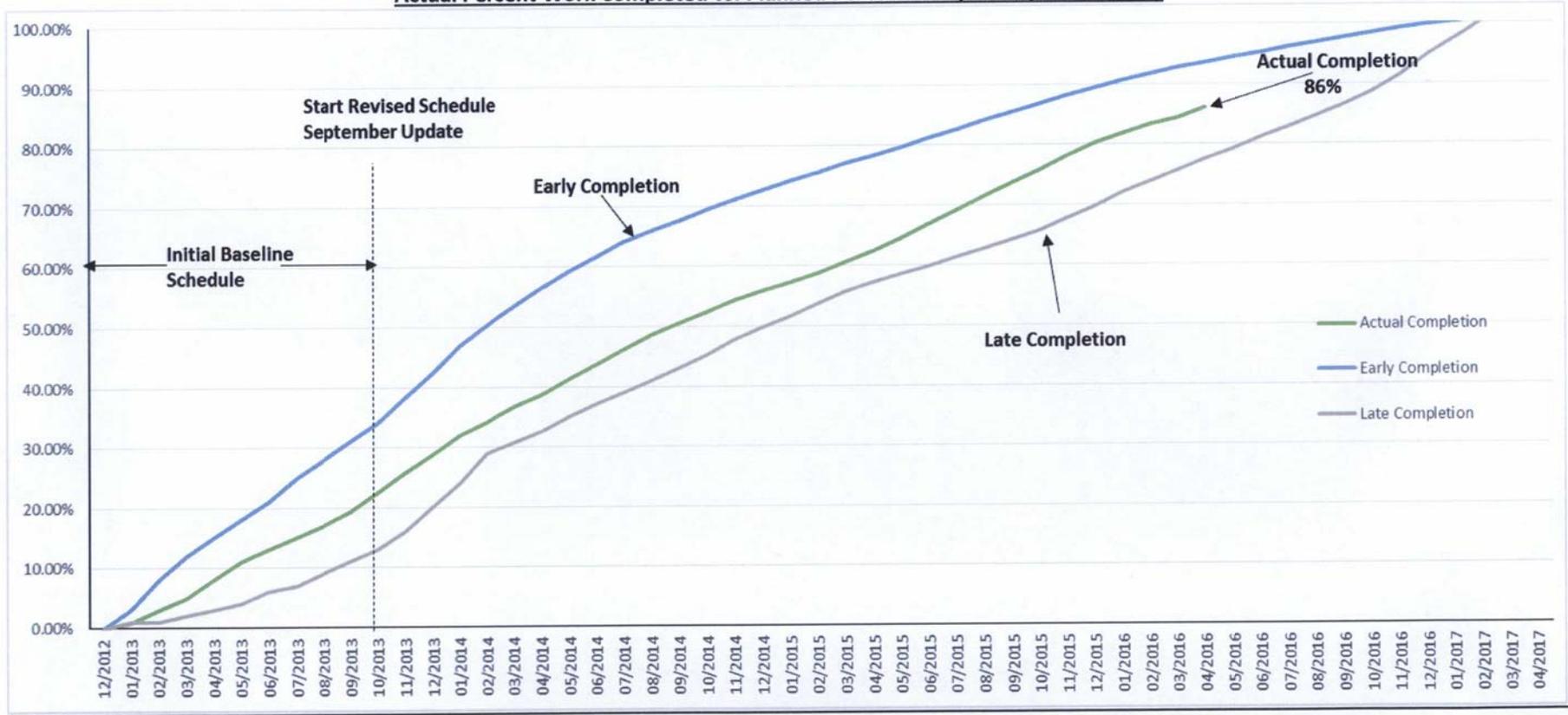
<sup>1</sup>Initial \$3,000,000 budget is reduced by \$724,606.90 for the estimated construction cost, which is now shown with the Exposure (Pending Change Orders) amount.



**Cumulative amount paid vs Time Elapsed (NTP to April 30, 2016)**

**SCHEDULE**

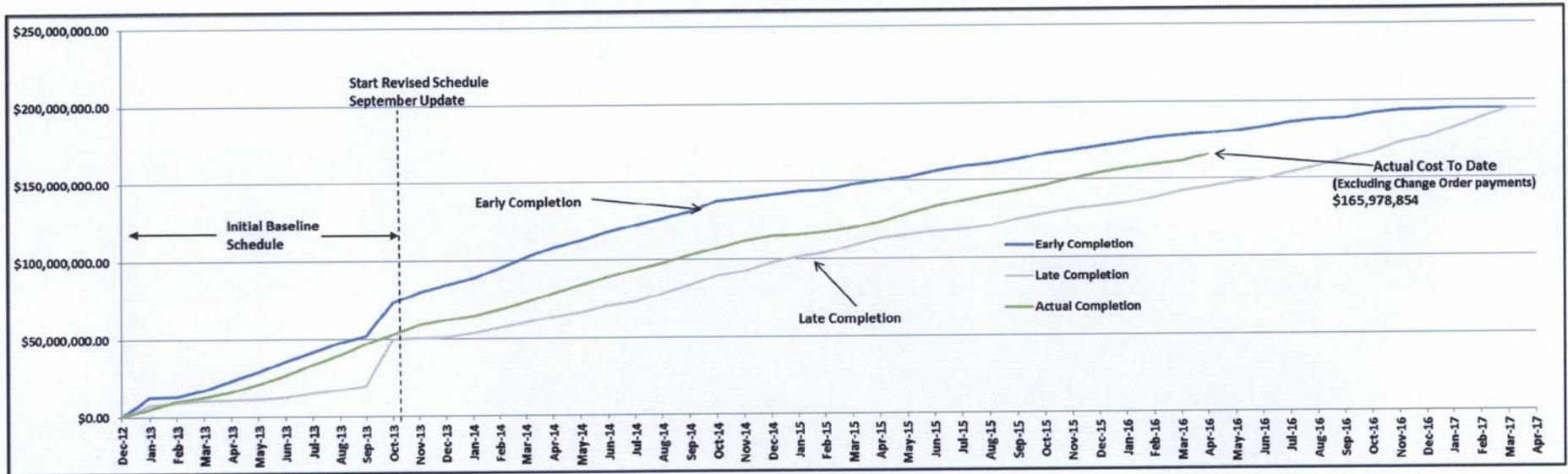
**Actual Percent Work Completed vs. Planned Percent Completed (All Activities)**



As of April 30, 2016

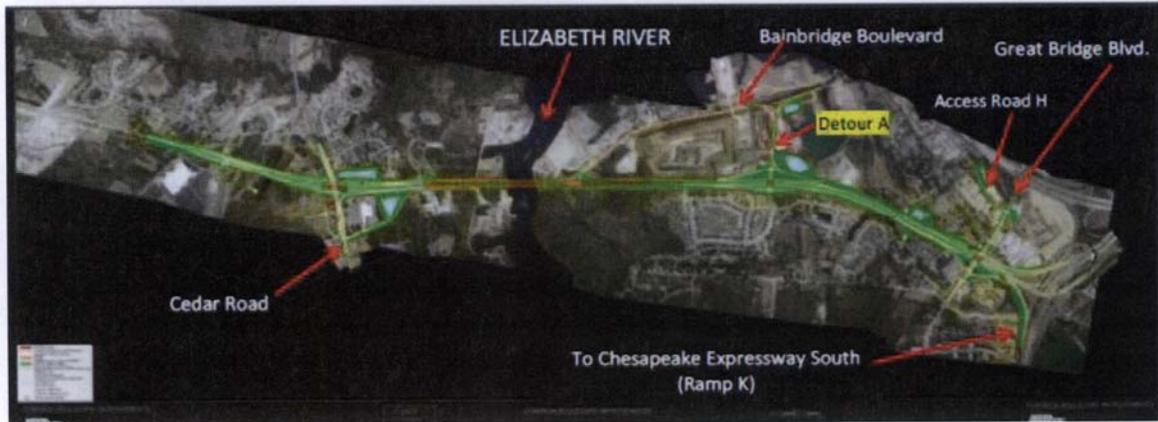
**BUDGET**

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



As of April 30, 2016

**2. SIGNIFICANT ACCOMPLISHMENTS THIS MONTH (April 1–April 30, 2016)**



| <b>Bridge Descriptions</b>   |  |
|--|--|
|  | <b>B612</b> - Dominion Blvd SB over Cedar Road/Moses Grandy Trail              |
| <b>B608</b> - Dominion Blvd SB over Elizabeth River                                | <b>B613</b> - Dominion Blvd NB over Cedar Road/Moses Grandy                    |
| <b>B609</b> - Dominion Blvd NB over Elizabeth River                                | <b>B614</b> - Dominion Blvd SB over Great Bridge Blvd                          |
| <b>B610</b> - Dominion Blvd SB over relocated Bainbridge Blvd                      | <b>B615</b> - Dominion Blvd NB over Great Bridge Blvd                          |
| <b>B611</b> - Dominion Blvd NB over Dominion Lakes Blvd/Relocated Bainbridge Blvd. | <b>B616</b> - 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) – 100% Complete:**

- Substantially completed Bridge B609 on 12/15/2014

**B608 (Dominion Blvd SB over Elizabeth River) – Approximately 72% Complete:**

- Continued placing concrete for pier caps and columns
- Continued placing concrete for bridge deck
- Completed first stage of post tensioning

**B616 (Dom. Blvd./Rte. 168 SB Ramp over Great Bridge Blvd. to I-64 Ramp) 100% Complete:**

- Substantially completed Bridge B616 on 9/29/2014

**B610 and B611 (Dominion Blvd SB and NB over relocated Bainbridge Blvd) – 100% Complete:**

- Opened B611 for traffic on 12/15/2014
- Substantially completed Bridge B610 on 12/15/2014

**B612 and B613 (Dominion Blvd SB and NB over Cedar Road/Moses Grandy) - Approximately 87% Complete:**

- Continued preparations for first stage of post tensioning for B612

**B614 and B615 (Dominion Blvd SB and NB over Great Bridge Blvd.) - Approximately 85% Complete**

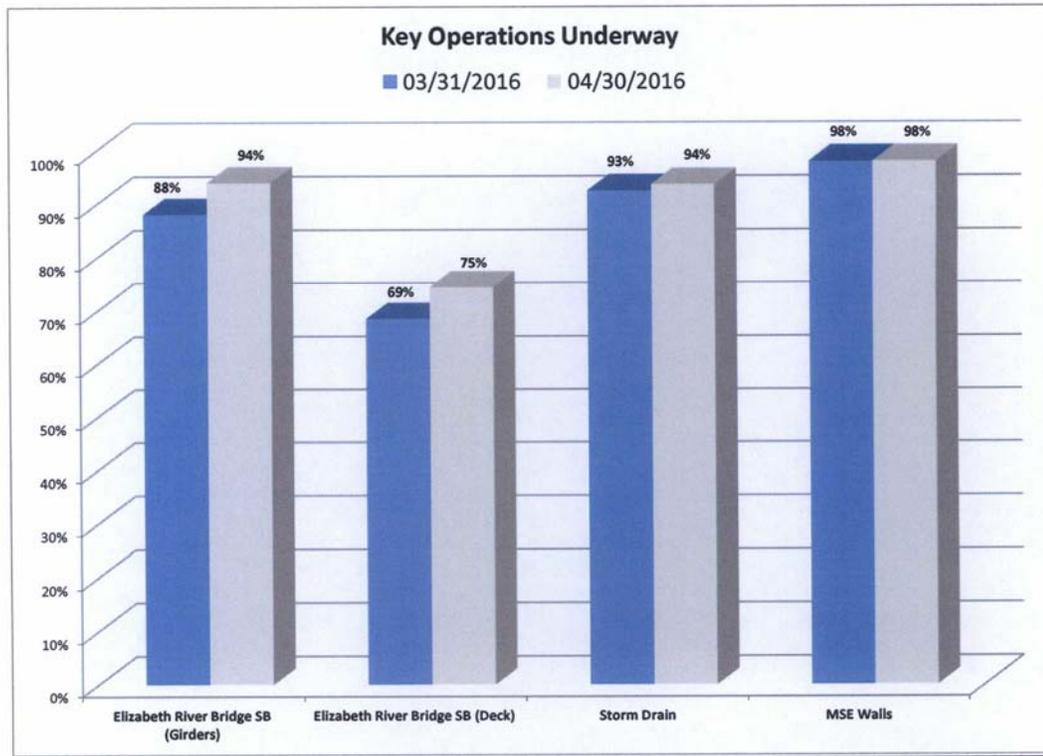
- Continued removal of surcharge and prepared to construct approach.

**Roadway Construction (DBC, Inc.):**

- Continued installation of storm drainage system at various locations
- Continued construction of ramps and roadway at the north and south ends of the project

**Major Subcontractors**

- **Bissette Construction Corp**
  - Continued installation of storm drain systems south of Elizabeth River at various locations along Cedar Road/Moses Grandy
  - Continued placing concrete curb and sidewalk along Cedar Road and Moses Grandy Trail
- **Virginia Sign and Lighting**
  - Continued installing lighting conduits, poles and controls
  - Continued placing concrete foundations for Overhead Sign Structures
- **Virginia Paving Co.**
  - Not on site
- **Reliance Concrete Contractors**
  - Continued placing concrete for moment slabs and F barrier walls
- **Lasting Coastline Inc.**
  - Continued placing concrete barrier on various MSE Walls
- **Roche Bros.**
  - Continued construction of MSE Walls 7, 18,19, 20, and 21



**3. PROJECT KEY OPERATION STATUS as of 04/30/2016**

| 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          |
| Partially opened Access A and Access AA                      | Mar-14          |
| Opened Blake Street  | Apr-14          |
| Completed Setting Navigation Span Beams                      | May-14          |
| Opened permanent intersection for Access A/AA at Cedar Road. | Jun-14          |
| Completed Stage 1 Post-Tensioning for B609 spliced Girders   | Jul-14          |
| Completed Dominion Lakes Blvd. entrance                      | Aug-14          |
| Completed Driving Piles at B610 and B611                     | Aug-14          |
| Completed Soil Nail Wall construction                        | Sep-14          |
| Completed B609 Spliced Girder Post Tensioning                | Oct-14          |
| Completed Bridge decks for B609                              | Nov-14          |
| Opened B609 and B611 on Dec. 15th                            | Dec-14          |
| Completed all Test Piles                                     | Mar-15          |
| Completed all Ground Improvement Piles                       | Jun-15          |
| Completed installing wick drains                             | Jun-15          |
| Completed all pile driving operations                        | Sep-15          |
| Completed placing all concrete bridge footings               | Nov-15          |
| Opened B613 on Feb. 3 <sup>rd</sup>                          | Feb-16          |
| Completed all settlement monitoring                          | Mar-16          |

**MAINTENANCE OF TRAFFIC**

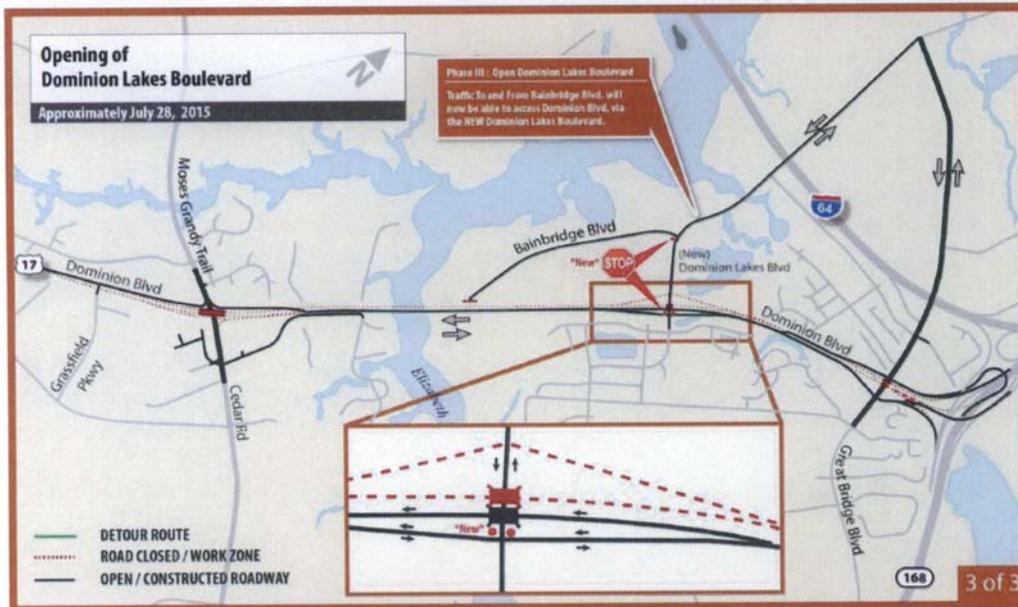
**Lane Closures**

- Various temporary lane closures throughout project including night-time closures to minimize impacts to motorists
- Traffic on Dominion Blvd. shifted to B613 for SB traffic and NB traffic currently using new ramps (similar to the current traffic pattern at Dominion Lakes).



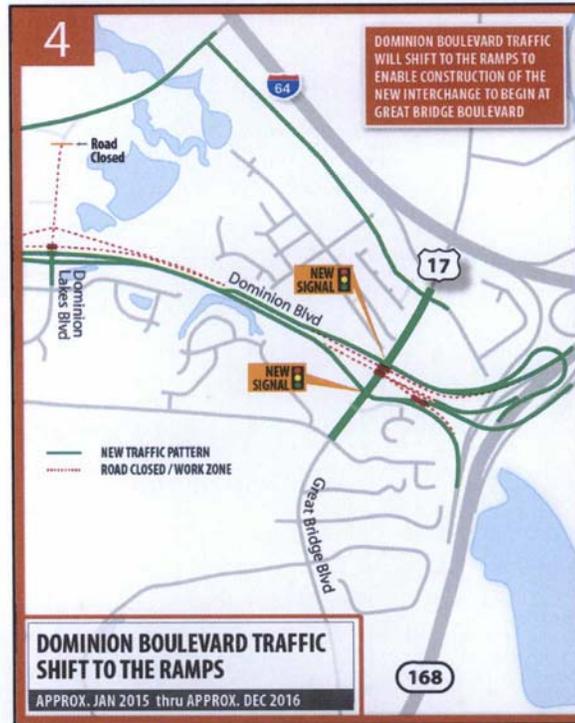
Traffic at Dominion Blvd/Cedar Road Intersection

- Northbound and southbound Dominion Blvd. traffic continues to use the new bridge B609 over Elizabeth River. Bainbridge Blvd traffic is able to access Dominion Blvd via the newly constructed Dominion Lakes Blvd interchange.



Arrows show traffic patterns at Dominion Lakes Interchange

- Traffic on Dominion Blvd. is temporarily shifted to the ramps to enable construction of the new Great Bridge Blvd Interchange.



Traffic at Dominion Blvd./Great Bridge Blvd. Intersection

**4. ANTICIPATED WORK PLANNED FOR NEXT MONTH (05/01/16 – 05/31/16)****DBC Joint Venture**

- B608 (Dominion Blvd. SB Bridge over Elizabeth River)
  - Continue substructure construction south of the river
  - Continue placing deck concrete at south end of B608
  - Begin deck formwork and prepare for concrete placement for the navigation span deck
- B612 (Dominion Blvd SB over Cedar Road/ Moses Grandy)
  - Complete Stage I post tensioning for B612 and being deck formwork
- B614 and B615 (Dominion Blvd SB and NB over Great Bridge Blvd.)
  - Complete placing concrete for the approaches
- Continue roadway construction at Great Bridge Boulevard and Cedar Road.

**Roche Brothers**

- Complete construction of MSE Wall No. 7, 18, 19, 20, & 21

**Reliance Concrete Contractors Inc.**

- Continue placing curb and gutter at various locations
- Continue concrete placement for moment slabs at various MSE Walls

**Virginia Sign and Lighting**

- Continue installing sign foundations at various locations
- Continued installing lighting conduits, poles and controls
- Continue placing foundations for Overhead Signs

**Virginia Paving**

- Begin paving Dominion Blvd SB from B608 bridge to the south end of the project

**Lasting Coastline**

- Continue placing F-shaped barriers on various MSE Walls

**5. CHANGE ORDERS AND QUANTITY OVERRUNS**

| 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 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  |                                  | \$305,633.61                         |
| 14                      | Demolition/Removal of Existing Sound Wall                                       |                                  | \$72,643.23                          |
| 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  |                                  | (\$1,838,302.58)                     |
| 18                      | 4 inch water meters at Great Bridge & Cedar                                     |                                  | \$10,772.06                          |
| 19                      | Relocation of the Pressure Sensor Telemetry Cabinet; 8/29/2013 Questions to DBC |                                  | \$23,457.35                          |
| 20                      | Water Meter Vault at DR-1J50-1  |                                  | \$11,157.98                          |
| 21                      | Anti-Graffiti Paint - 8/26 Rec'd DBC's Revised Scope                            |                                  | \$219,823.36                         |
| 22                      | 16 inch Waterline Repairs at Bainbridge   |                                  | \$18,116.70                          |
| 23                      | Temp. Street lights at Cedar/Dominion Blvd                                      |                                  | 16,717.73                            |
| 24                      | Soil Nail Wall  |                                  | \$247,184.50                         |
| 25                      | 12" x 12" x 8" Junction Boxes   |                                  | \$36,026.55                          |
| 26                      | Installation of Leak Detectors Water/Sewer Casings                              |                                  | \$47,359.48                          |
| 27                      | New High Mast Light Assembly  |                                  | \$60,454.18                          |
| 28                      | Grass Cutting   |                                  | \$152,556.48                         |
| 29                      | Missing Pay Items: RW2, RW3, Impact Attenuators                                 |                                  | \$361,862.19                         |
| 30                      | Replace MC-38 Asphalt Curb with Conc. Curb (VEP 07)                             |                                  | -\$39,402.03                         |
| 31                      | Remove Existing Sign Structures   |                                  | \$6,192.66                           |
| 32                      | GPS As-Builts of Utilities  |                                  | \$84,527.20                          |
| 33                      | Plan Revision No. 14 Additional Work  |                                  | \$476,877.44                         |
| 34                      | Soil Nail Walls - Additional Work   |                                  | \$141,766.40                         |
| 35                      | Replace existing junction boxes   |                                  | \$15,192.04                          |
| 36                      | Wireless System Coaxial Cable for Traffic Signals                               |                                  | \$22,085.04                          |
| 37                      | MSE Wall Redesign   |                                  | \$318,630.21                         |
| 38                      | Conflict Manhole at 4" Sanitary Force Main                                      |                                  | \$8,095.62                           |
| 39                      | CCW Type D Lighting Control Cabinets  |                                  | \$125,028.30                         |
| 40                      | Bored conduit for Utility Relocations at B614/B615                              |                                  | \$99,564.40                          |
| 41                      | Obstruction at 18" Jack and Bore  |                                  | \$24,795.13                          |
| 42                      | VDOT VMS Sign Removal/Reinstall   |                                  | \$66,935.33                          |
|                         | VMS Conductor Cable (combined with CO 42 VMS Removal)                           |                                  |                                      |
| 43                      | VEP No. 9 MSE Wall I.L.O. RW-3 Wall (Credit)                                    |                                  | (\$35,987.69)                        |
| 44                      | Temporary Drainage at Detour A  |                                  | \$17,634.06                          |
| 45                      | Additional Restrained Waterline   |                                  | \$10,793.22                          |
| 46                      | Obstructions between Str. 23N-1 and 23N-2                                       |                                  | \$19,240.31                          |
| 47                      | Additional Work Associated with Revision 10                                     |                                  | \$36,767.40                          |
| 48                      | 24" Waterline tie-in delays at Cedar Road                                       |                                  | \$16,731.79                          |
|                         | Additional Cost 16" Waterline Tie-in at River (Combined with CO 48)             |                                  |                                      |
| 49                      | Waterline Joint Restraint at Great Bridge Blvd.                                 |                                  | \$4,701.38                           |
| 50                      | Elec. power for Ped. Tunnel Lightng and High Mast Lighting                      |                                  | \$52,346.60                          |
| 51                      | Plan Revision No 12 Add'l Cost Savings Ref. VEP 6                               |                                  | (\$34,893.45)                        |
| 52                      | Plan Revision Nos. 19,19A, and 21   |                                  | \$7,344.33                           |
| 53                      | Plan Revision No. 12 Add'l Wick Drains, Mob, Settlement Plates                  |                                  | \$10,463.33                          |
| 54                      | B609 Pier No. 3-8 Rebar Changes to Caps   |                                  | \$21,025.08                          |
| 55                      | 18 inch Storm Pipe MSE Wall 6 Str. 10-1 to 10-5                                 |                                  | \$23,774.98                          |
| 56                      | Payment for Pile Cutoffs  |                                  | \$20,143.81                          |
| 57                      | Plan Rev. Nos. 28 and 29 Parcel Revisions                                       | \$15,538.71                      |                                      |
| 58                      | VPDES Permit Re-application and Maintenance Fee                                 | \$16,054.34                      |                                      |
| 59                      | Structure 32-10 Add.  | \$8,803.44                       |                                      |
| 60                      | DMS Post Structure Replacement  | \$45,846.75                      |                                      |
|                         | VMS Meter Pedestal Ref. Plan Rev. No. 11 (Combined with CO 60)                  |                                  |                                      |
| 61                      | Plan Rev. 26 Entrance 9N-2; Reloc Sanitary Force Main Ramp CA                   | \$70,303.02                      |                                      |
| 62                      | Demo of Parxcel D11 Structures  | \$21,694.26                      |                                      |
| 63                      | Plan Rev 25 Mullen Drive Extension  | \$725,491.32                     |                                      |
| (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)                   | 24" x 6" Reducer for Additional Fire Hydrant                                    | \$4,172.63                       |                                      |
| (TBD)                   | Connection of Existing Sewer Laterals to New, Relocated Sewer Main              | \$18,061.62                      |                                      |
| (TBD)                   | Remove/Salvage Existing Signal Equipment  | \$39,115.32                      |                                      |
| (TBD)                   | Plan Revision No. 13 Additional Work  | \$19,456.14                      |                                      |
| (TBD)                   | Plan Revision No. 15 Additional Work  | \$29,528.83                      |                                      |
| (TBD)                   | Remove Existing Sign Structures D704 & D14                                      | \$8,214.60                       |                                      |
| (TBD)                   | Changes to Dominion Lakes Signage   | \$35,128.95                      |                                      |
| (TBD)                   | B612 Pier 1 Additional Pile Cost  | \$51,460.13                      |                                      |
| (TBD)                   | Additional Asbestor Bridge Demo   | \$8,457.11                       |                                      |
| (TBD)                   | Cedar Rd. Underbridge Traffic Signal Conduits                                   | \$77,192.23                      |                                      |
|                         | <b>TOTAL</b>  | <b>\$1,290,648.95</b>            | <b>\$6,932,297.47</b>                |



**Unit Price Item Quantities – Projected and Actual Overruns**

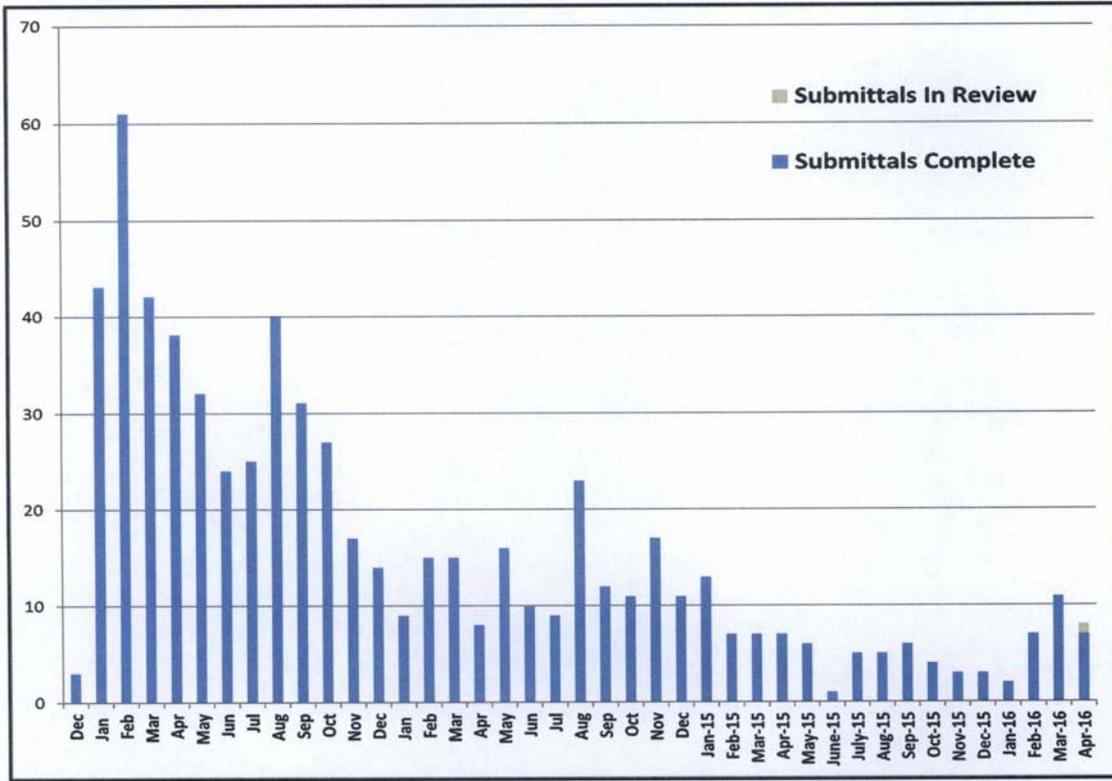
| Unit Price Item Quantity Overruns (Projected Quantity Overruns) |   |                            |       |              |                        |               |
|---|---|----------------------------|-------|--------------|------------------------|---------------|
| Item Number   | Description   | Projected Quantity Overrun | Units | Unit Price   | Projected Cost Overrun |               |
| 111   | CLEARING AND GRUBBING                                   | 28.16                      | AC    | \$ 7,700.00  | \$                     | 216,832.00    |
| 120   | REGULAR EXCAVATION                                      | 43621                      | CY    | \$ 29.00     | \$                     | 1,265,009.00  |
| 212   | MINOR STRUCTURE EXCAVATION BOX CULVERT                  | 1280                       | CY    | \$ 35.00     | \$                     | 44,800.00     |
| 505   | BEDDING MATERIAL AGGR. NO. 25 OR 26                     | 2800                       | TON   | \$ 78.50     | \$                     | 219,800.00    |
| 27500   | GEOTEXTILE FABRIC                                       | 26054.67                   | SY    | \$ 6.70      | \$                     | 174,566.29    |
| 525   | CONCRETE CLASS A3 MISC.                                 | 84                         | CY    | \$ 2,913.26  | \$                     | 244,713.84    |
| 1242  | 24" CONC. PIPE  | 744                        | LF    | \$ 76.22     | \$                     | 56,707.68     |
| 2192  | 30" X 19" ELLIPTICAL CONC. PIPE                         | 341                        | LF    | \$ 150.00    | \$                     | 51,150.00     |
| 27550   | STORMWATER MANAGEMENT DRAINAGE STRUCTURE SWM-1          | 23                         | LF    | \$ 6,232.87  | \$                     | 143,356.01    |
| 9148  | EROSION CONTROL STONE (CLASS A1), EC-1                  | 978                        | SY    | \$ 111.98    | \$                     | 109,516.44    |
| 9150  | EROSION CONTROL STONE (CLASS I), EC-1                   | 3705                       | SY    | \$ 147.48    | \$                     | 546,413.40    |
| 85003   | UNDERCUT EXC @ TWICE REG EXC                            | 36105.43                   | CY    | \$ 50.00     | \$                     | 1,805,271.50  |
| 10636   | ASPHALT CONCRETE TY. SM-9-5D                            | 1750                       | TON   | \$ 75.00     | \$                     | 131,250.00    |
| 10128   | AGGR. BASE MATL. TY. I NO. 21B                          | 30931                      | TON   | \$ 28.23     | \$                     | 873,182.13    |
| 10417   | TACK COAT   | 2180                       | GAL   | \$ 15.90     | \$                     | 34,662.00     |
| 10630   | FLEXIBLE PAVEMENT PLANING                               | 34400                      | SY    | \$ 2.23      | \$                     | 76,712.00     |
| 12940   | ENTRANCE GUTTER CG-9D                                   | 427.4                      | SY    | \$ 70.73     | \$                     | 30,230.00     |
| 13487   | MEDIAN BARRIER MB-8A TYPE III                           | 572                        | LF    | \$ 162.83    | \$                     | 93,138.76     |
| 22643   | FENCE FE-CL   | 3800                       | LF    | \$ 12.19     | \$                     | 46,322.00     |
| 51910   | SAW CUT   | 17250                      | LF    | \$ 2.07      | \$                     | 35,707.50     |
| 24703   | NS REMOVE EXIST. (PIPE)                                 | 1977                       | LF    | \$ 25.94     | \$                     | 51,283.38     |
| 9151  | EROSION CONTROL STONE, EC-1 (STD. PG-3 TYPE I, CLASS I) | 397                        | SY    | \$ 83.27     | \$                     | 33,058.19     |
| 27321   | PROTECTIVE COVERING EC-2                                | 84383                      | SY    | \$ 1.35      | \$                     | 113,917.05    |
| 13570   | NS RETAINING WALL SOIL NAIL                             | 626                        | SF    | \$ 200.04    | \$                     | 125,225.04    |
| 13570   | NS RETAINING WALL TEMPORARY                             | 12160                      | SF    | \$ 30.00     | \$                     | 364,800.00    |
| 2093  | NS PRE-DRILLING OF WICK DRAINS                          | 944854.005                 | LF    | \$ 1.85      | \$                     | 1,747,979.91  |
| 64808   | DRIVING TEST FOR PRESTRESSED CONCRETE PILES 12"         | 1319                       | LF    | \$ 55.00     | \$                     | 72,545.00     |
| 27102   | REGULAR SEEDING   | 2000                       | LB    | \$ 15.00     | \$                     | 30,000.00     |
| 39004   | NS TEMPORARY SEEDING                                    | 2500                       | LB    | \$ 15.00     | \$                     | 37,500.00     |
| 515   | TEMPORARY SHEET PILING                                  | 10000                      | SF    | \$ 25.00     | \$                     | 250,000.00    |
| 10065   | AGGR. MATL. NO. 1                                       | 1000                       | TON   | \$ 35.91     | \$                     | 35,910.00     |
| 24278   | GROUP II CHANNELIZATION DEVICES                         | 427050                     | DAY   | \$ 0.14      | \$                     | 59,787.00     |
| 24283   | POLICE PATROL   | 3200                       | HR    | \$ 42.40     | \$                     | 135,680.00    |
| 54242   | TEMP. PAVE. MARKER 2 WAY                                | 3650                       | EA    | \$ 7.95      | \$                     | 29,017.50     |
| 54550   | CONSTR. PAVE. MARK. (TY. F, CL I) 4"                    | 425100                     | LF    | \$ 0.25      | \$                     | 106,275.00    |
| 56052   | BORED CONDUIT 4"  | 31580                      | LF    | \$ 32.90     | \$                     | 1,038,982.00  |
| 56053   | 2" PVC CONDUIT  | 42330                      | LF    | \$ 2.25      | \$                     | 95,242.50     |
| 56055   | 4" PVC CONDUIT  | 12393.04                   | LF    | \$ 4.81      | \$                     | 59,610.52     |
| 55588   | IN-GRADE JUNCTION BOX (JB-S1, S2 OR S3)                 | 30                         | EA    | \$ 1,500.00  | \$                     | 45,000.00     |
| 64416   | PRESTR. CONCRETE PILES 16"                              | 786                        | LF    | \$ 65.00     | \$                     | 51,090.00     |
| 61704   | CORROSION RESISTANT REINF. STEEL (Plan Quantity)        | 17439.2                    | LB    | \$ 2.00      | \$                     | 34,878.40     |
| 64424   | PRESTR. CONCRETE PILES 24"                              | 400.6                      | LF    | \$ 80.00     | \$                     | 32,048.00     |
| 64868   | DRIVING TEST FOR 24" PRESTR. CONC. PILE                 | 237                        | LF    | \$ 150.00    | \$                     | 35,550.00     |
| 64416   | PRESTR. CONCRETE PILES 16"                              | 570.77                     | LF    | \$ 65.00     | \$                     | 37,100.05     |
| 40081   | 8" DI WATER MAIN  | 1220                       | LF    | \$ 47.74     | \$                     | 58,242.80     |
| 40992   | NS 4" BEND  | 11                         | EA    | \$ 2,766.65  | \$                     | 30,433.15     |
| 42080   | 8" PVC SAN PIPE   | 269.35                     | LF    | \$ 157.15    | \$                     | 42,328.35     |
| 41982   | NS 4" OFFSET  | 6                          | EA    | \$ 4,705.65  | \$                     | 28,233.90     |
| 44301   | NS FURNISH and INSTALL 24" LINSTOP                      | 2                          | EA    | \$ 73,658.52 | \$                     | 147,317.04    |
| 38900   | NS SALT MARSH CORDGRASS, 2" PLUG                        | 29671                      | EA    | \$ 1.95      | \$                     | 57,858.45     |
| 42080   | 8" DI SAN PIPE  | 365                        | LF    | \$ 93.51     | \$                     | 34,131.15     |
|   | Miscellaneous   |                            |       |              | \$                     | 205,036.84    |
|   | Total   |                            |       |              | \$                     | 11,425,401.77 |

**Summary Unit Price Item Overruns:**

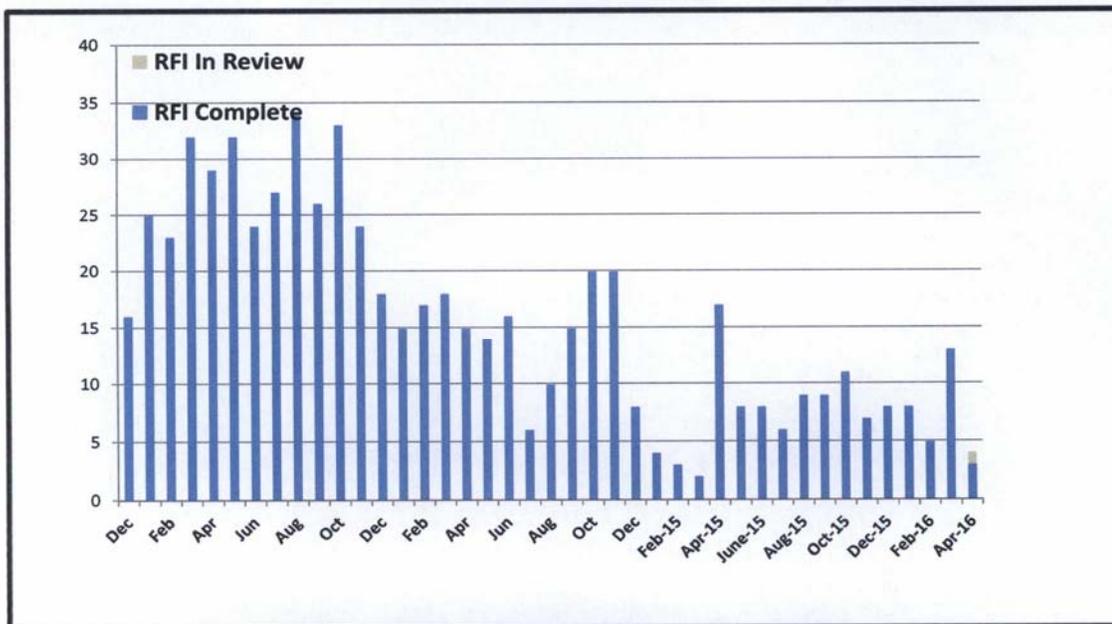
|                                     |                         |
|-------------------------------------|-------------------------|
| Current Projected Quantity Overruns | \$ 11,425,401.77        |
| Actual Quantity Overruns            | <u>\$ 10,672,173.81</u> |
| Net Projected Quantity Overruns     | \$ 753,227.96           |

| Unit Price Item Quantity Overruns (Actual Quantity Overruns) |   |                         |       |              |                     |
|--|---|-------------------------|-------|--------------|---------------------|
| Item Number  | Description   | Actual Quantity Overrun | Units | Unit Price   | Actual Cost Overrun |
| 111  | CLEARING AND GRUBBING                                   | 28.16                   | AC    | \$ 7,700.00  | \$ 216,832.00       |
| 120  | REGULAR EXCAVATION                                      | 44082.85                | CY    | \$ 29.00     | \$ 1,278,402.65     |
| 212  | MINOR STRUCTURE EXCAVATION BOX CULVERT                  | 1195.83                 | CY    | \$ 35.00     | \$ 41,854.05        |
| 505  | BEDDING MATERIAL AGGR. NO. 25 OR 26                     | 2688.74                 | TON   | \$ 78.50     | \$ 211,066.09       |
| 27500  | GEOTEXTILE FABRIC                                       | 26020.98                | SY    | \$ 6.70      | \$ 174,340.57       |
| 525  | CONCRETE CLASS A3 MISC.                                 | 76.55                   | CY    | \$ 2,913.26  | \$ 223,010.05       |
| 1242   | 24" CONC. PIPE  | 380.11                  | LF    | \$ 76.22     | \$ 28,971.98        |
| 1482   | 48" CONC. PIPE  | 100.9                   | LF    | \$ 208.18    | \$ 21,005.36        |
| 2192   | 30" X 19" ELLIPTICAL CONC. PIPE                         | 341                     | LF    | \$ 150.00    | \$ 51,150.00        |
| 2292   | 45" X 29" ELLIPTICAL CONC. PIPE                         | 48                      | LF    | \$ 252.39    | \$ 12,114.72        |
| 6818   | DROP INLET DI-3B, L=6'                                  | 2                       | EA    | \$ 5,196.30  | \$ 10,392.60        |
| 8271   | DROP INLET DI-10K TYPE III, L=6'                        | 2                       | EA    | \$ 5,633.48  | \$ 11,266.96        |
| 8512   | DROP INLET DI-14B TYPE I, L=10'                         | 2                       | LF    | \$ 5,964.83  | \$ 11,929.66        |
| 27550  | STORMWATER MANAGEMENT DRAINAGE STRUCTURE SWM-1          | 22.9                    | LF    | \$ 6,232.87  | \$ 142,732.72       |
| 9056   | MANHOLE MH-10R MH-2                                     | 18                      | EA    | \$ 853.96    | \$ 15,371.28        |
| 24825  | NS MODIFY EXISTING STRUCTURE                            | 7                       | SY    | \$ 2,869.02  | \$ 20,083.14        |
| 9148   | EROSION CONTROL STONE (CLASS A1), EC-1                  | 917.27                  | SY    | \$ 111.98    | \$ 102,715.89       |
| 9150   | EROSION CONTROL STONE (CLASS I), EC-1                   | 3680.71                 | CY    | \$ 147.48    | \$ 542,831.11       |
| 85003  | UNDERCUT EXC @ TWICE REG EXC                            | 36276.21                | TON   | \$ 50.00     | \$ 1,813,810.50     |
| 10636  | ASPHALT CONCRETE TY. SM-9.5D                            | 172.6                   | TON   | \$ 75.00     | \$ 12,945.00        |
| 10128  | AGGR. BASE MATL. TY. I NO. 21B                          | 26024.34                | SY    | \$ 28.23     | \$ 734,667.12       |
| 10417  | TACK COAT   | 1258.61                 | SY    | \$ 15.90     | \$ 20,011.90        |
| 10630  | FLEXIBLE PAVEMENT PLANING                               | 34378.69                | SY    | \$ 2.23      | \$ 76,664.48        |
| 12940  | ENTRANCE GUTTER CG-9D                                   | 418.69                  | EA    | \$ 70.73     | \$ 29,613.94        |
| 13487  | MEDIAN BARRIER MB-8A TYPE III                           | 451                     | LF    | \$ 162.83    | \$ 73,436.33        |
| 22643  | FENCE FE-CL   | 1509                    | EA    | \$ 12.19     | \$ 18,394.71        |
| 24602  | REMOVE EXISTING (FENCE)                                 | 6771                    | LF    | \$ 3.18      | \$ 21,531.78        |
| 51910  | SAW CUT   | 17166                   | LF    | \$ 2.07      | \$ 35,533.62        |
| 24703  | NS REMOVE EXIST. (PIPE)                                 | 1936                    | SY    | \$ 25.94     | \$ 50,219.84        |
| 9151   | EROSION CONTROL STONE, EC-1 (STD. PG-3 TYPE I, CLASS I) | 371.49                  | SY    | \$ 83.27     | \$ 30,933.97        |
| 27321  | PROTECTIVE COVERING EC-2                                | 82215.25                | EA    | \$ 1.35      | \$ 110,990.59       |
| 13570  | NS RETAINING WALL SOIL NAIL                             | 626                     | SF    | \$ 200.04    | \$ 125,225.04       |
| 13570  | NS RETAINING WALL TEMPORARY                             | 12082.3                 | LF    | \$ 30.00     | \$ 362,469.00       |
| 2093   | NS PRE-DRILLING OF WICK DRAINS                          | 944854                  | LF    | \$ 1.85      | \$ 1,747,979.90     |
| 64808  | DRIVING TEST FOR PRESTRESSED CONCRETE PILES 12"         | 1313                    | LF    | \$ 55.00     | \$ 72,215.00        |
| 69412  | PRESTRESSED CONCRETE PILES 12"                          | -9144                   | CY    | \$ 20.00     | \$ (182,880.00)     |
| 272  | SELECT MATERIAL, TYPE I                                 | 398.09                  | LF    | \$ 59.57     | \$ 23,714.22        |
| 27102  | REGULAR SEEDING   | 1864.46                 | LB    | \$ 15.00     | \$ 27,966.90        |
| 39004  | NS TEMPORARY SEEDING                                    | 2212                    | EA    | \$ 15.00     | \$ 33,180.00        |
| 27410  | CHECK DAM, ROCK-TYPE I                                  | 31                      | LF    | \$ 370.67    | \$ 11,490.77        |
| 27526  | TURBIDITY CURTAIN, IMPERVIOUS                           | 1426                    | SF    | \$ 18.02     | \$ 25,696.52        |
| 515  | TEMPORARY SHEET PILING                                  | 6806.43                 | TON   | \$ 25.00     | \$ 170,160.75       |
| 10065  | AGGR. MATL. NO. 1                                       | 698.6492                | DAY   | \$ 35.91     | \$ 25,088.49        |
| 24278  | GROUP II CHANNELIZATION DEVICES                         | 251395                  | HR    | \$ 0.14      | \$ 35,195.30        |
| 24283  | POLICE PATROL   | 3082.7                  | EA    | \$ 42.40     | \$ 130,706.48       |
| 54240  | TEMP. PAVE. MARKER 1 WAY                                | 3293                    | EA    | \$ 7.95      | \$ 26,179.35        |
| 54242  | TEMP. PAVE. MARKER 2 WAY                                | 3212                    | LF    | \$ 7.95      | \$ 25,535.40        |
| 54550  | CONSTR. PAVE. MARK. (TY. F, CL I) 4"                    | 424870.77               | EA    | \$ 0.25      | \$ 106,217.69       |
| 56052  | BORED CONDUIT 4"  | 31261                   | LF    | \$ 32.90     | \$ 1,028,486.90     |
| 56053  | 2" PVC CONDUIT  | 40435                   | LF    | \$ 2.25      | \$ 90,978.75        |
| 56055  | 4" PVC CONDUIT  | 9222                    | EA    | \$ 4.81      | \$ 44,357.82        |
| 56200  | TRENCH EXCAVATION ECI-1                                 | 2960                    | EA    | \$ 4.59      | \$ 13,586.40        |
| 55588  | IN-GRADE JUNCTION BOX (JB-S1, S2 OR S3)                 | 26                      | CY    | \$ 1,500.00  | \$ 39,000.00        |
| 64416  | PRESTR. CONCRETE PILES 16"                              | 707                     | CY    | \$ 65.00     | \$ 45,955.00        |
| 536  | NS CONCRETE CLASS A5, SPLICED GIRDER DECK, 5 KSI        | 24                      | EA    | \$ 650.00    | \$ 15,600.00        |
| 61704  | CORROSION RESISTANT REINF. STEEL (Plan Quantity)        | 17439                   | LF    | \$ 2.00      | \$ 34,878.00        |
| 64101  | DYNAMIC PILE TEST (FRICTION PILES)                      | 4.333                   | EA    | \$ 3,000.00  | \$ 12,999.00        |
| 64416  | PRESTR. CONCRETE PILES 16"                              | 338                     | LF    | \$ 65.00     | \$ 21,970.00        |
| 66120  | COFFERDAM   | -21                     | LF    | \$ 27,500.00 | \$ (577,500.00)     |
| 64868  | DRIVING TEST FOR 24" PRESTR. CONC. PILE                 | 238                     | CY    | \$ 150.00    | \$ 35,700.00        |
| 60404  | CONCRETE CLASS A4                                       | 24.6                    | LF    | \$ 580.00    | \$ 14,268.00        |
| 60404  | CONCRETE CLASS A4                                       | 25.7                    | LF    | \$ 580.00    | \$ 14,906.00        |
| 64101  | DYNAMIC PILE TEST (FRICTION PILES)                      | 3.333                   | LF    | \$ 5,000.00  | \$ 16,665.00        |
| 64416  | PRESTR. CONCRETE PILES 16"                              | 335                     | LF    | \$ 60.00     | \$ 20,100.00        |
| 66921  | NS BRIDGE SUB-STRUCTURE PRE-BORING (16" PRESTRESSED)    | 460                     | LF    | \$ 25.00     | \$ 11,500.00        |
| 64416  | PRESTR. CONCRETE PILES 16"                              | 569                     | LF    | \$ 65.00     | \$ 36,985.00        |
| 64824  | DRIVING TEST FOR 16" PRESTR. CONC. PILE                 | 191                     | CY    | \$ 100.00    | \$ 19,100.00        |
| 64824  | DRIVING TEST FOR 16" PRESTR. CONC. PILE                 | 190                     | LF    | \$ 100.00    | \$ 19,000.00        |
| 61704  | CORROSION RESISTANT REINF. STEEL (Plan Quantity)        | 5690                    | LF    | \$ 1.80      | \$ 10,242.00        |
| 40061  | 6" DI WATER MAIN  | 483                     | LF    | \$ 42.31     | \$ 20,435.73        |
| 40081  | 8" DI WATER MAIN  | 753.84                  | EA    | \$ 47.74     | \$ 35,988.32        |
| 40121  | 12" DI WATER MAIN                                       | 202                     | EA    | \$ 83.54     | \$ 16,875.08        |
| 40161  | 16" DI WATER MAIN                                       | 147                     | EA    | \$ 86.80     | \$ 12,759.60        |
| 40408  | 18" BEND  | 4                       | EA    | \$ 2,820.91  | \$ 11,283.64        |
| 40992  | NS 8" BEND  | 26                      | EA    | \$ 515.36    | \$ 13,399.36        |
| 40992  | NS 4" BEND  | 9                       | EA    | \$ 2,766.65  | \$ 24,899.85        |
| 42047  | 4" PVC SAN FM   | 361.82                  | EA    | \$ 45.49     | \$ 16,459.19        |
| 41982  | NS 4" OFFSET  | 6                       | EA    | \$ 4,705.65  | \$ 28,233.90        |
| 44301  | NS FURNISH and INSTALL 24" LINSTOP                      | 2                       | EA    | \$ 73,658.52 | \$ 147,317.04       |
| 38900  | NS SALT MARSH CORDGRASS, 2" PLUG                        | 29671                   | EA    | \$ 1.95      | \$ 57,858.45        |
| 40992  | 3" BEND   | 5                       | EA    | \$ 2,169.93  | \$ 10,849.65        |
| 42080  | 8" DI SAN PIPE  | 365                     |       | \$ 93.51     | \$ 34,131.15        |
| 40006  | 2" WATER SERVICE LINE                                   | 198                     |       | \$ 54.25     | \$ 10,741.50        |
|  | Misc  |                         |       |              | \$ 351,198.03       |
|  | Total   |                         |       |              | \$ 10,672,173.81    |

### 6. RFI AND SUBMITTAL STATUS



Total Number of Submittals = 648; Number of Submittals in review = 1;



Total Number of RFI = 639; Number of RFI in review = 1;

### 7. SCHEDULE MILESTONES

The contractor submitted CPM schedule Update 34 with a data date of 4/25/2016. Update 34 has the projected completion on March 06, 2017 which is ahead of the contract completion date. The following chart summarized the current milestones in DBC's schedule and a comparison of projected Early Finish/Late Finish dates with the March 2016 CPM schedule update.

#### Milestones

| Activity ID | Activity Name  | Status        | March 2016 Update 33 |             | April 2016 Update 34 |             | Actual Finish |
|-------------|--|---------------|----------------------|-------------|----------------------|-------------|---------------|
|             |  |               | Early Finish         | Late Finish | Early Finish         | Late Finish |               |
| 1MS1030     | Access Road C Complete   | Not Completed | 7/5/2016             | 3/31/2017   | 8/15/2016            | 3/31/2017   |               |
| 1MS1030     | Great Bridge Blvd Through Ramps complete                       | Not Completed | 8/25/2016            | 3/31/2017   | 9/16/2016            | 3/31/2017   |               |
| 1MS1040     | B615 Complete  | Not Completed | 5/30/2016            | 10/19/2016  | 6/24/2016            | 10/19/2016  |               |
| 1MS1045     | B614 Complete  | Not Completed | 5/30/2016            | 10/19/2016  | 6/24/2016            | 10/19/2016  |               |
| 294TS1260   | Completion of All Pre-Installation Testing                     | Not Completed | 6/27/2016            | 12/23/2016  | 7/28/2016            | 12/23/2016  |               |
| 294TS1270   | Site Installation Complete                                     | Not Completed | 6/27/2016            | 12/23/2016  | 7/28/2016            | 12/23/2016  |               |
| 2MS1170     | B-608 Complete   | Not Completed | 12/15/2016           | 2/9/2017    | 1/11/2017            | 2/9/2017    |               |
| 2MS1190     | Ramp F & Bainbridge Blvd. Complete                             | Not Completed | 9/9/2016             | 2/9/2017    | 10/5/2016            | 2/9/2017    |               |
| 2MS1210     | ORT Final Acceptance   | Not Completed | 1/15/2017            | 3/31/2017   | 2/12/2017            | 3/31/2017   |               |
| 361EW1200   | Station 361 to B614/B615 Complete SB                           | Not Completed | 9/9/2016             | 2/9/2017    | 10/5/2016            | 2/9/2017    |               |
| 361EW1280   | B614/B615 Through Ramps Complete                               | Not Completed | 8/25/2016            | 3/31/2017   | 9/16/2016            | 3/31/2017   |               |
| 361EW1480   | Station 361 to B614/B615 Complete NB                           | Not Completed | 5/30/2016            | 10/19/2016  | 6/24/2016            | 10/19/2016  |               |
| 3MS1020     | Phase 3 Complete/ Cedar Mainline                               | Not Completed | 4/21/2016            | 2/13/2017   | 5/20/2016            | 2/13/2017   |               |
| 3MS1030     | Cedar Road/Moses Grandy Complete                               | Not Completed | 5/9/2016             | 3/31/2017   | 6/15/2016            | 3/31/2017   |               |
| 608-M8130   | Existing Bridge Demolition Complete                            | Not Completed | 4/7/2016             | 2/13/2017   | 5/2/2016             | 2/13/2017   |               |
| 612-M9000   | B612 Complete  | Not Completed | 10/10/2016           | 2/9/2017    | 9/27/2016            | 2/9/2017    |               |
| 613-M9000   | B613 Complete  | Not Completed | 4/14/2016            | 2/13/2017   | 5/9/2016             | 2/13/2017   |               |
| GBMS1050    | Great Bridge Blvd Phase 1 Complete                             | Not Completed | 4/18/2016            | 3/31/2017   | 5/12/2016            | 3/31/2017   |               |
| MS0020      | Contract Completion  | Not Completed | 2/7/2017             | 3/31/2017   | 3/6/2017             | 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 | 8/4/2016             | 3/31/2017   | 8/26/2016            | 3/31/2017   |               |
| RLEW1080    | Place Traffic on completed Ramps R & L                         | Not Completed | 8/4/2016             | 2/13/2017   | 8/26/2016            | 2/13/2017   |               |
| ROUT1090    | Ramp O Complete  | Not Completed | 5/30/2016            | 3/31/2017   | 6/24/2016            | 3/31/2017   |               |
| AHEW1080    | Access Road H Complete   | Completed     |                      |             |                      |             | 7/26/2013     |
| 609-D1030   | 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     |                      |             |                      |             | 1/10/2014     |
| 2MS1100     | Shift Traffic To Detour A                                      | Completed     |                      |             |                      |             | 10/6/2013     |
| 3MS1000     | Traffic to Temp Ramp A & B                                     | Completed     |                      |             |                      |             | 1/25/2014     |
| 1MS1020     | Bridge B-616 Complete  | Completed     |                      |             |                      |             | 9/29/2014     |
| 2MS1110     | B-609 Complete   | Completed     |                      |             |                      |             | 12/15/2014    |
| 2MS1120     | B-610 Complete   | Completed     |                      |             |                      |             | 12/15/2014    |
| 2MS1130     | B-611 Complete   | Completed     |                      |             |                      |             | 12/15/2014    |
| 2MS1140     | Shift Traffic to B-609   | Completed     |                      |             |                      |             | 12/15/2014    |
| 2MS1150     | Ramp H Complete  | Completed     |                      |             |                      |             | 12/15/2014    |
| 2MS1160     | Ramp G Complete  | Completed     |                      |             |                      |             | 12/15/2014    |
| 334EW1170   | Ramp G, to Box Culvert Complete                                | Completed     |                      |             |                      |             | 12/15/2014    |
| RLEW1230    | Ramp L Under K Complete  | Completed     |                      |             |                      |             | 12/15/2014    |
| 361EW1650   | 609 Abutment B through Ramp H Complete                         | Completed     |                      |             |                      |             | 12/15/2014    |
| 1MS1120     | Ramps P & J Complete   | Completed     |                      |             |                      |             | 12/2/2014     |
| 1MS1130     | Ramp I Complete  | Completed     |                      |             |                      |             | 12/15/2014    |
| 1MS1140     | Ramp M Complete  | Completed     |                      |             |                      |             | 12/13/2014    |
| 1MS1110     | Ramp N Complete  | Completed     |                      |             |                      |             | 12/15/2014    |
| 1MS1150     | Shift Traffic to Phase 2 (Ramps I, L, M, P & under K Complete) | Completed     |                      |             |                      |             | 12/15/2014    |
| 3MS1011     | Ramps C & D Available for B-609 traffic                        | Completed     |                      |             |                      |             | 2/4/2016      |

### 8. ATTACHMENT: Progress Photographs

Reviewed by: \_\_\_\_\_  
Mike Prezioso, PE, CCM, MBP

cc: Kevin Lundgren, PE, City of Chesapeake

**Attachment: Progress Photos**



**04/19/2016 Construction of B612 & B613 Pier 2 (Cedar Rd.)**



**05/18/2016 Construction of B612 & B613 Pier 2 (Cedar Rd.)**



**04/19/2016 B608 Construction**



**05/18/2016 B608 Construction**



**04/19/2016 Intersection at Great Bridge Blvd/Dominion Blvd facing Southeast**



**05/18/2016 Intersection at Great Bridge Blvd/Dominion Blvd facing Southeast**



**05/18/2016 Erection of B608 girders facing NB**



**05/18/2016 Construction of B608 facing NB**