

Dominion Boulevard Improvements Report
For
December - 2016

Posted 01-26-17



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)



Cedar Road Interchange

Status Report as of December 31, 2016

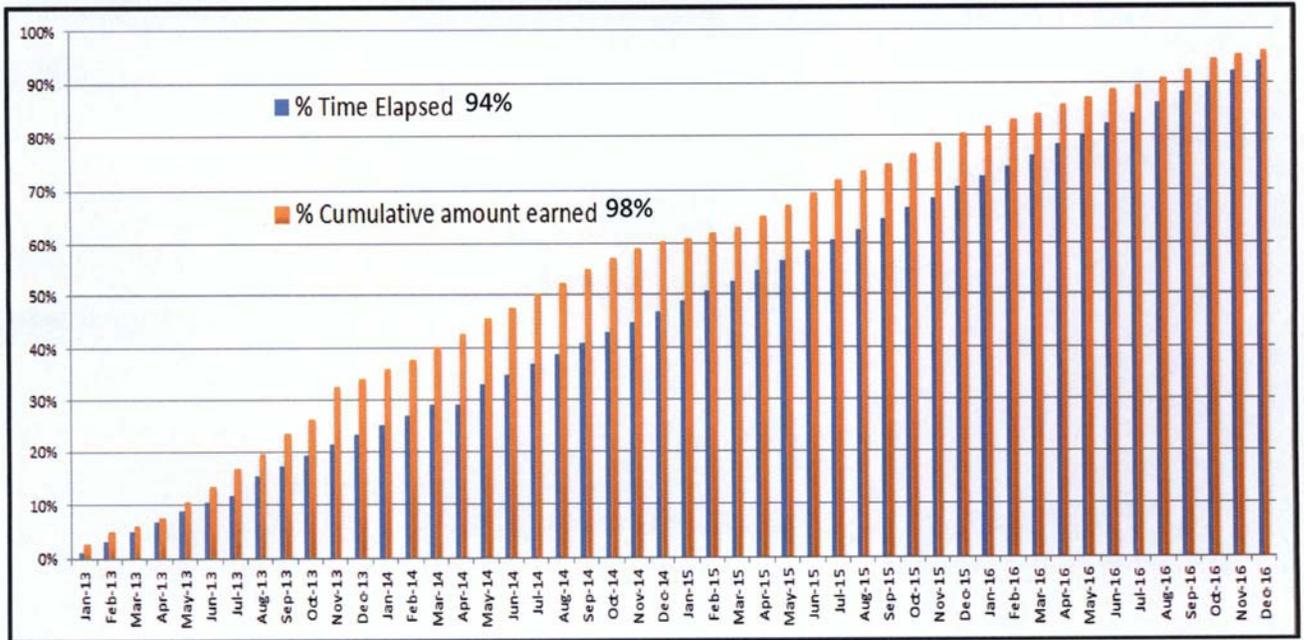
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1. PROJECT STATUS (Schedule and Budget)

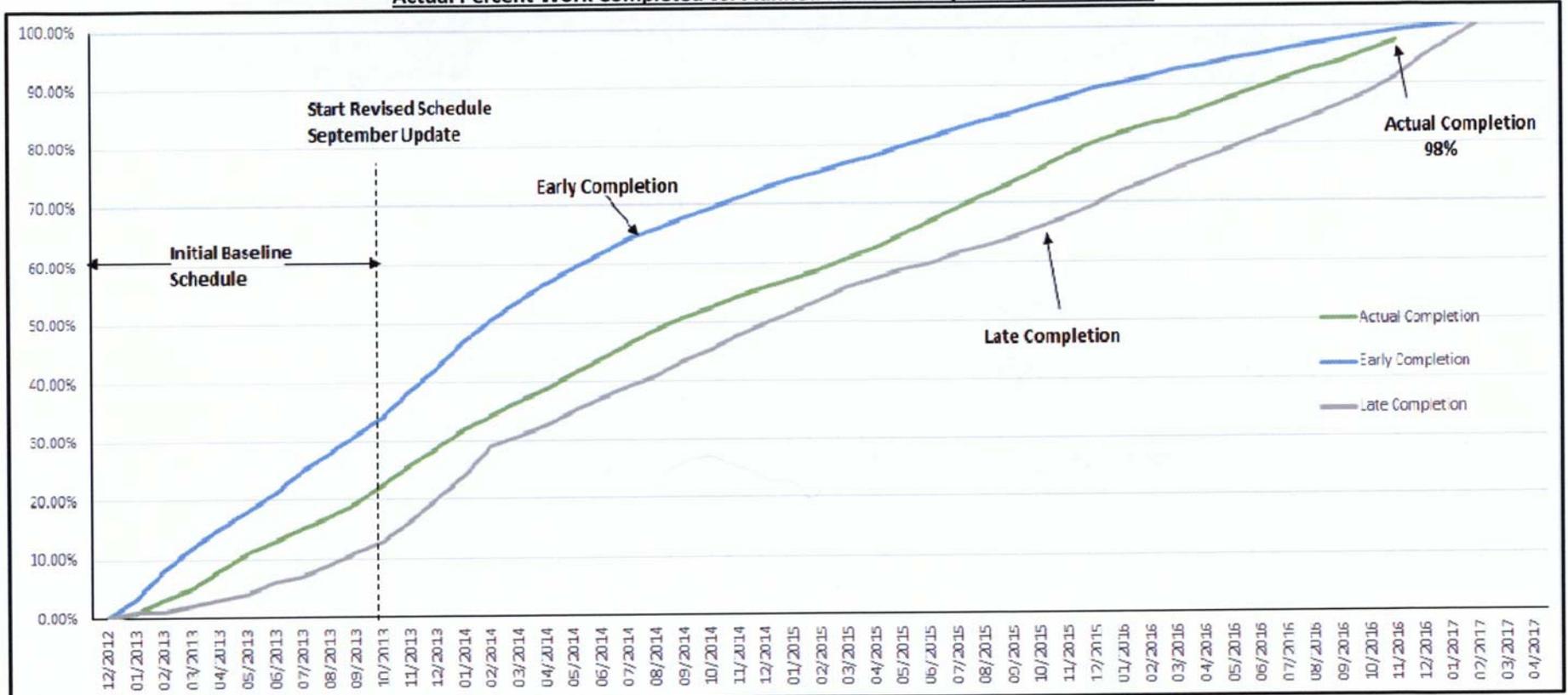
| Schedule | | Budget | |
|----------------------------------|------------|--|---------------|
| Contract Type | Fixed Date | Original Contract Value | \$188,070,320 |
| Fixed Contract Completion Date | 04/01/2017 | Exposure (Pending Change Orders) | \$412,226 |
| Contract Duration (Days) | 1,546 | Expenditures (Approved Change Orders) | \$7,299,629 |
| Time Extension (Days) | 0 | Exposure (Projected Quantity Overruns) | \$312,752 |
| Current Contract Duration (Days) | 1,546 | Expenditures (Actual Quantity Overruns) | \$11,540,311 |
| Notice to Proceed | 01/07/2013 | Current Estimated Contract Value | \$207,635,238 |
| First Day of Work | 01/07/2013 | Amount Paid Prior Periods | \$199,805,704 |
| Contract Days Elapsed | 1455 | Amount Paid this Period | \$1,595,425 |
| Contract Days Remaining | 91 | Cumulative Amount Paid | \$201,401,129 |
| Estimated Completion Date | 04/01/2017 | Value Stock Piled Materials | \$143,967 |
| | | Total Contract Cost to Date | \$201,545,096 |
| % Contract Work Complete | 98% | | |
| % Contract Days Elapsed | 94% | % Current Estimated Contract Value Paid (Not Including Stored Materials) | 98% |
| % Contract Time Remaining | 6% | % Current Estimated Contract Value Remaining | 2% |



Cumulative amount paid vs Time Elapsed (NTP to December 31, 2016)

SCHEDULE

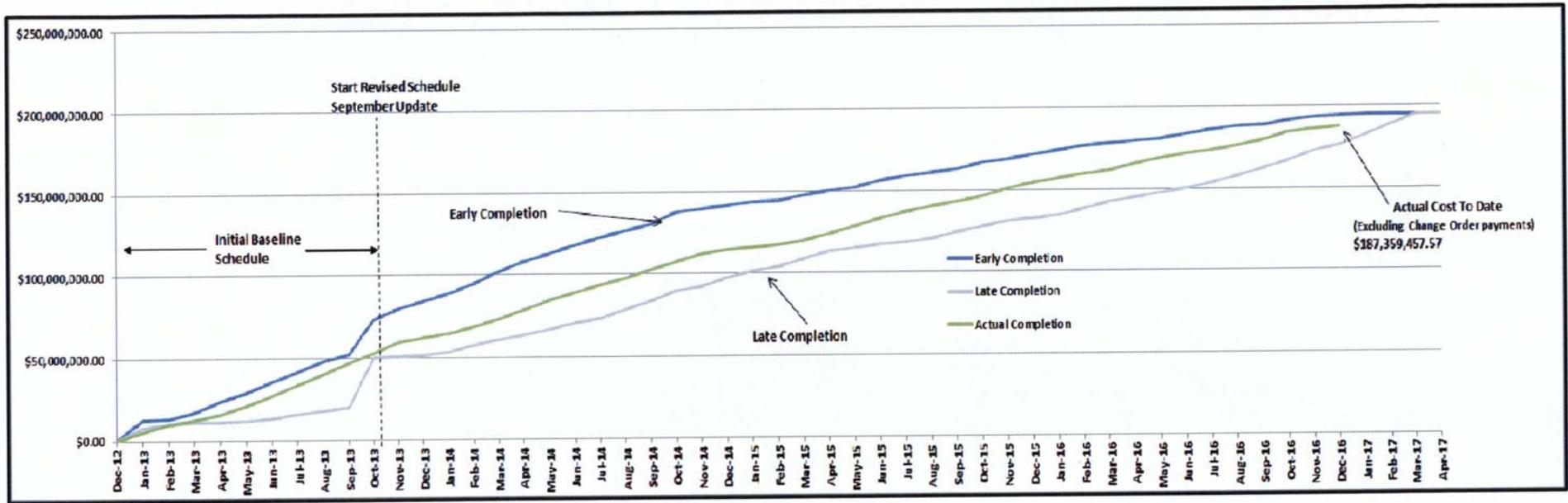
Actual Percent Work Completed vs. Planned Percent Completed (All Activities)



As of December 31, 2016

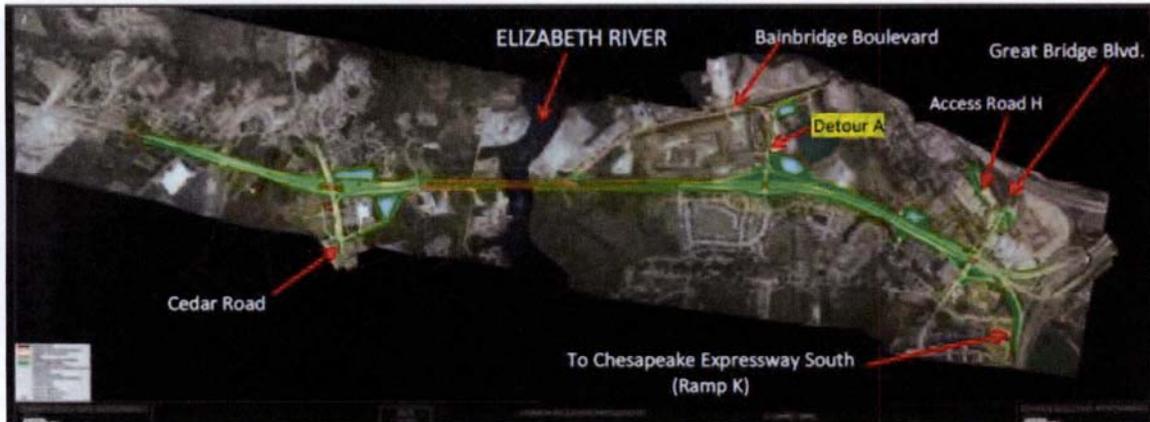
BUDGET

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



As of December 31, 2016

2. SIGNIFICANT ACCOMPLISHMENTS THIS MONTH (December 1–December 31, 2016)



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

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:

- Opened to traffic 12/15/2014

B608 (Dominion Blvd SB over Elizabeth River) – 100% Complete:

- Opened to traffic 10/29/16

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

- Substantially completed Bridge B616 9/29/2014

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

- Opened B611 to traffic 12/15/2014
- Opened B610 to traffic 6/20/2016

Dominion Boulevard Improvement – City of Chesapeake

B612 and B613 (Dominion Blvd SB and NB over Cedar Road/Moses Grandy) - 100% Complete:

- Opened B612 to traffic 10/29/16 (final configuration)

B614 and B615 (Dominion Blvd SB and NB over Great Bridge Blvd.) - 100% Complete

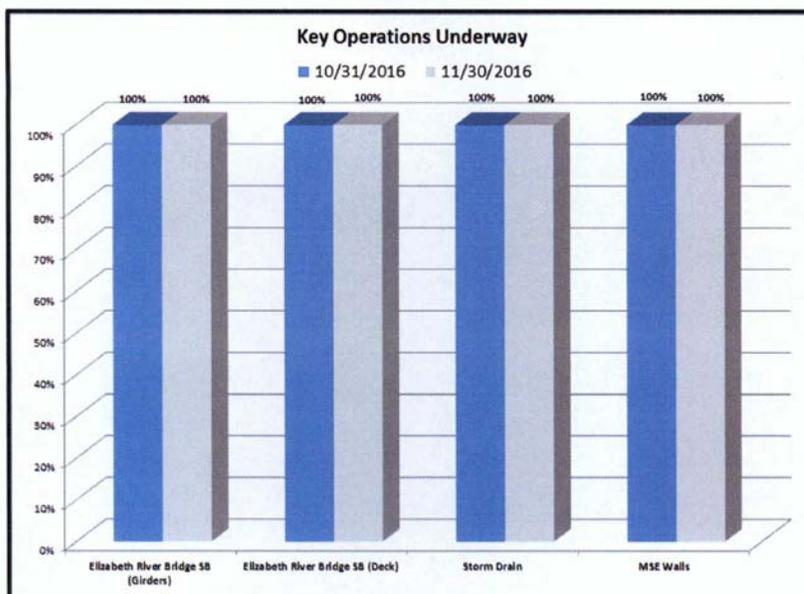
- Opened B614 to traffic 10/23/16
- Opened B615 to traffic 10/26/16

Roadway Construction (DBC, Inc.):

- Continued construction of roadway at the north and south ends of the project, including Cedar Road and Great Bridge Boulevard.

Major Subcontractors

- **Bissette Construction Corp**
 - Continued placing concrete curb and sidewalk along Cedar Road and Moses Grandy Trail
- **Virginia Sign and Lighting**
 - Continued erecting signs
- **Virginia Paving Co.**
 - Continued paving on Cedar Road/Moses Grandy Trail and Dominion Blvd Mainline
- **Reliance Concrete Contractors**
 - Continued placing concrete for barrier walls and curb at various locations.
- **Kapsch**
 - Completed the 30 day tolling system acceptance testing Dec. 2, 2016
- **Emerald Forest Inc.**
 - Continued restoration of permitted temporary wetland impact areas



3. PROJECT KEY OPERATION STATUS as of 12/31/2016

| 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 rd | Feb-16 |
| Completed all settlement monitoring | Mar-16 |
| Completed Factory Acceptance Testing for tolling system | Apr-16 |
| Opened B610 for traffic | Jun-16 |
| Opened B608, B614, B615, and B612 for traffic | Oct-16 |
| Final Acceptance Dec. 11, 2016 | Dec -16 |

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

- Cleanup debris and continue punchlist items

Reliance Concrete Contractors Inc.

- Complete miscellaneous repairs to curb and gutter at various locations

Virginia Sign and Lighting

- Complete installing permanent signs once tolling system is operational
- Complete final testing of signalization and backup systems

Kapsch

- Continue system testing and preparations to activate tolling system

Emerald Forest Inc.

- Complete restoration of permitted temporary wetland impact areas



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 X/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-3B 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 Lighting 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 | | \$10,463.63 |
| 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 O11 Structures | | \$21,694.26 |
| 63 | Changes to Dominion Lakes Signage | | \$34,784.15 |
| 64 | Installation of Verizon Vaults and Pedestals | | \$61,619.56 |
| 65 | Plan Rev. No. 8 8" PVC Sewer | | \$11,775.66 |
| 66 | Removal of Underground Water Storage Tanks | | \$14,410.47 |
| 67 | Connection of Existing Sewer Laterals to New, Relocated Sewer Main | | \$7,534.44 |
| 68 | 24" x 6" Reducer for Additional Fire Hydrant | | \$3,920.93 |
| 69 | Remove/Salvage Existing Signal Equipment | | \$32,350.65 |
| 70 | Plan Revision No. 15 Additional Work | | \$22,694.43 |
| 71 | Balance of VEP No. 1 | | -\$4,011.50 |
| 72 | Cedar Rd. Underbridge Traffic Signal Conduits | | \$65,928.67 |
| 73 | Additional Asbestor Bridge Demo | | \$8,457.11 |
| 74 | B612 Pier 1 Additional Pile Cost | | \$51,460.12 |
| 75 | Remove Existing Sign Structures D704 & D14 | | \$8,214.60 |
| 76 | Plan Revision No. 13 Additional Work | | \$22,798.44 |
| 77 | Plantings along Higginson-Buchannon Property and Dom. Lakes Entrance; Add'l Tolling Equipment; Modify Pedestrian Push Buttons | \$259,378.40 | |
| | TOTAL | \$412,225.84 | \$7,299,628.58 |

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 | 44188.62 | CY | \$ 29.00 | \$ | 1,281,452.00 |
| 212 | MINOR STRUCTURE EXCAVATION BOX CULVERT | 1233.83 | CY | \$ 35.00 | \$ | 44,800.00 |
| 505 | BEDDING MATERIAL AGGR. NO. 25 OR 26 | 2689.74 | TON | \$ 78.50 | \$ | 219,800.00 |
| 27500 | GEOTEXTILE FABRIC | 26020.98 | SY | \$ 6.70 | \$ | 174,794.09 |
| 525 | CONCRETE CLASS A3 MISC. | 76.55 | CY | \$ 2,913.26 | \$ | 305,892.30 |
| 1182 | 18" CONC. PIPE | 498 | LF | \$ 57.46 | \$ | 28,615.08 |
| 1242 | 24" CONC. PIPE | 484.11 | LF | \$ 76.22 | \$ | 36,890.48 |
| 2192 | 30" X 19" ELLIPTICAL CONC. PIPE | 341 | LF | \$ 150.00 | \$ | 51,150.00 |
| 27550 | STORMWATER MANAGEMENT DRAINAGE STRUCTURE SWM-1 | 22.9 | LF | \$ 6,232.87 | \$ | 143,356.01 |
| 9148 | EROSION CONTROL STONE (CLASS A1), EC-1 | 923.47 | SY | \$ 111.98 | \$ | 109,516.44 |
| 9150 | EROSION CONTROL STONE (CLASS I), EC-1 | 3805.71 | SY | \$ 147.48 | \$ | 561,161.40 |
| 85003 | UNDERCUT EXC @ TWICE REG EXC | 36315.83 | CY | \$ 50.00 | \$ | 1,815,752.50 |
| 10636 | ASPHALT CONCRETE TY. SM-9.5D | 778.6 | TON | \$ 75.00 | \$ | 131,250.00 |
| 10128 | AGGR. BASE MATL. TY. I NO. 21B | 33772.43 | TON | \$ 28.23 | \$ | 953,383.56 |
| 10417 | TACK COAT | 1258.61 | GAL | \$ 15.90 | \$ | 34,662.00 |
| 10630 | FLEXIBLE PAVEMENT PLANING | 43029.83 | SY | \$ 2.23 | \$ | 95,954.67 |
| 12940 | ENTRANCE GUTTER CG-9D | 468.38 | SY | \$ 70.73 | \$ | 33,129.93 |
| 13487 | MEDIAN BARRIER MB-8A TYPE III | 451 | LF | \$ 162.83 | \$ | 129,775.51 |
| 22643 | FENCE FE-CL | 1509 | LF | \$ 12.19 | \$ | 46,322.00 |
| 51910 | SAW CUT | 22238 | LF | \$ 2.07 | \$ | 46,032.66 |
| 24703 | NS REMOVE EXIST. (PIPE) | 2093 | LF | \$ 25.94 | \$ | 54,292.42 |
| 9151 | EROSION CONTROL STONE, EC-1 (STD. PG-3 TYPE I, CLASS I) | 732.23 | SY | \$ 83.27 | \$ | 60,953.64 |
| 27321 | PROTECTIVE COVERING EC-2 | 84577.03 | SY | \$ 1.35 | \$ | 116,617.05 |
| 13570 | NS RETAINING WALL SOIL NAIL | 626 | SF | \$ 200.04 | \$ | 125,225.04 |
| 13570 | NS RETAINING WALL TEMPORARY | 12082.3 | SF | \$ 30.00 | \$ | 362,460.00 |
| 2093 | NS PRE-DRILLING OF WICK DRAINS | 944854 | LF | \$ 1.85 | \$ | 1,747,979.91 |
| 64808 | DRIVING TEST FOR PRESTRESSED CONCRETE PILES 12" | 1313 | LF | \$ 55.00 | \$ | 72,215.00 |
| 272 | SELECT MATERIAL, TYPE I | 398.09 | CY | \$ 59.57 | \$ | 33,895.33 |
| 27102 | REGULAR SEEDING | 3554.46 | LB | \$ 15.00 | \$ | 60,810.00 |
| 39004 | NS TEMPORARY SEEDING | 2587 | LB | \$ 15.00 | \$ | 38,805.00 |
| 515 | TEMPORARY SHEET PILING | 6806.43 | SF | \$ 25.00 | \$ | 170,150.00 |
| 10065 | AGGR. MATL. NO. 1 | 782.2192 | TON | \$ 35.91 | \$ | 28,081.62 |
| 24278 | GROUP II CHANNELIZATION DEVICES | 343935 | DAY | \$ 0.14 | \$ | 59,787.00 |
| 24283 | POLICE PATROL | 4341.35 | HR | \$ 42.40 | \$ | 217,978.40 |
| 54550 | CONSTR. PAVE. MARK. (TY. F, CL I) 4" | 506702.77 | LF | \$ 0.25 | \$ | 128,775.00 |
| 56052 | BORED CONDUIT 4" | 31261 | LF | \$ 32.90 | \$ | 1,028,486.90 |
| 56053 | 2" PVC CONDUIT | 44946 | LF | \$ 2.25 | \$ | 107,842.50 |
| 56055 | 4" PVC CONDUIT | 11297 | LF | \$ 4.81 | \$ | 118,600.36 |
| 56200 | TRENCH EXCAVATION ECI-1 | 4113 | LF | \$ 4.59 | \$ | 43,439.76 |
| 55588 | IN-GRADE JUNCTION BOX (JB-S1, S2 OR S3) | 47 | EA | \$ 1,500.00 | \$ | 45,000.00 |
| 64416 | PRESTR. CONCRETE PILES 16" | 707 | LF | \$ 65.00 | \$ | 45,955.00 |
| 61704 | CORROSION RESISTANT REINF.STEEL (Plan Quantity) | 17439 | LB | \$ 2.00 | \$ | 34,878.40 |
| 64868 | DRIVING TEST FOR 24" PRESTR. CONC. PILE | 238 | LF | \$ 150.00 | \$ | 35,700.00 |
| 64416 | PRESTR. CONCRETE PILES 16" | 1569 | LF | \$ 65.00 | \$ | 102,035.05 |
| 64416 | PRESTR. CONCRETE PILES 16" | 1578 | LF | \$ 65.00 | \$ | 102,570.00 |
| 40081 | 8" DI WATER MAIN | 753.84 | LF | \$ 47.74 | \$ | 35,995.96 |
| 41982 | NS 4" OFFSET | 6 | EA | \$ 4,705.65 | \$ | 28233.9 |
| 44301 | NS FURNISH and INSTALL 24" LINSTOP | 2 | EA | \$ 73,658.52 | \$ | 147317.04 |
| 38900 | NS SALTMARSH CORDGRASS, 2" PLUG | 29671 | EA | \$ 1.95 | \$ | 57858.45 |
| 42080 | 8" DI SAN PIPE | 365 | LF | \$ 93.51 | \$ | 34131.15 |
| | Miscellaneous | | | | \$ | 146,469.87 |
| | Total | | | | \$ | 11,853,062.38 |

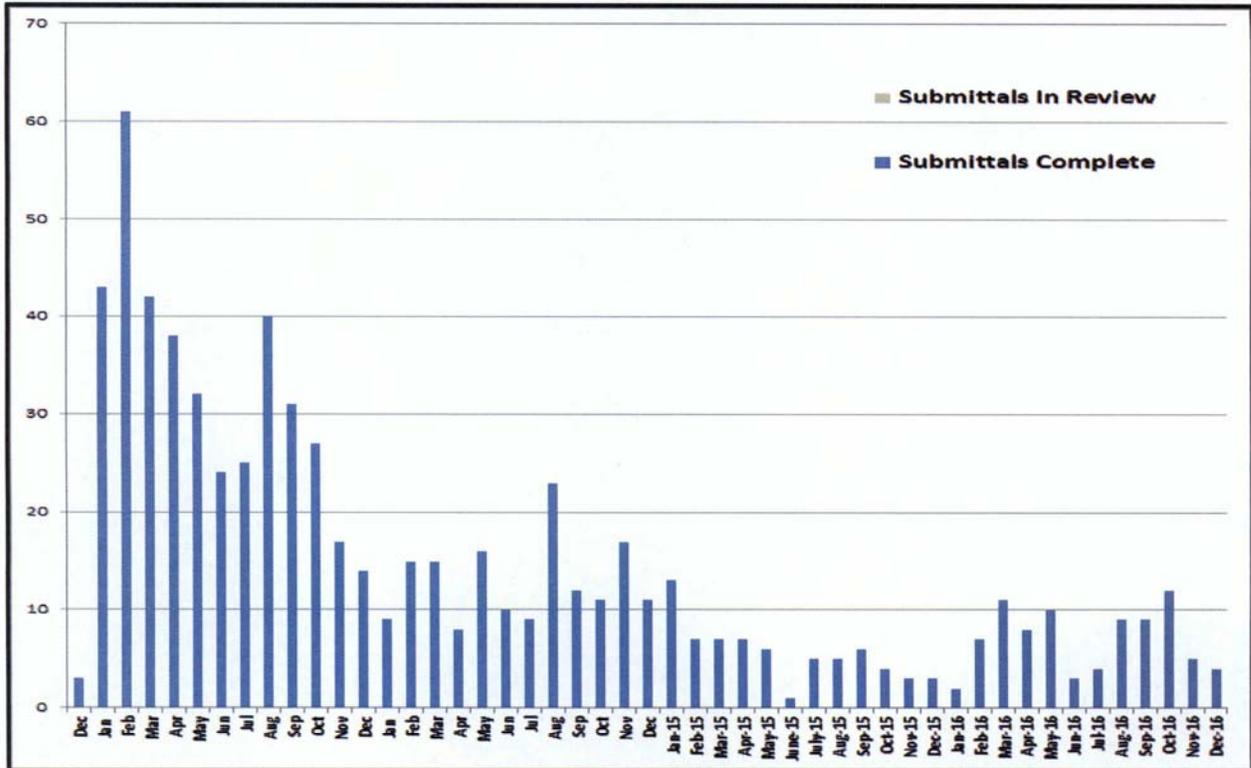
Summary Unit Price Item Overruns:

| | |
|-------------------------------------|-------------------------|
| Current Projected Quantity Overruns | \$ 11,853,062.38 |
| Actual Quantity Overruns | <u>\$ 11,540,310.61</u> |
| Net Projected Quantity Overruns | \$ 312,751.77 |

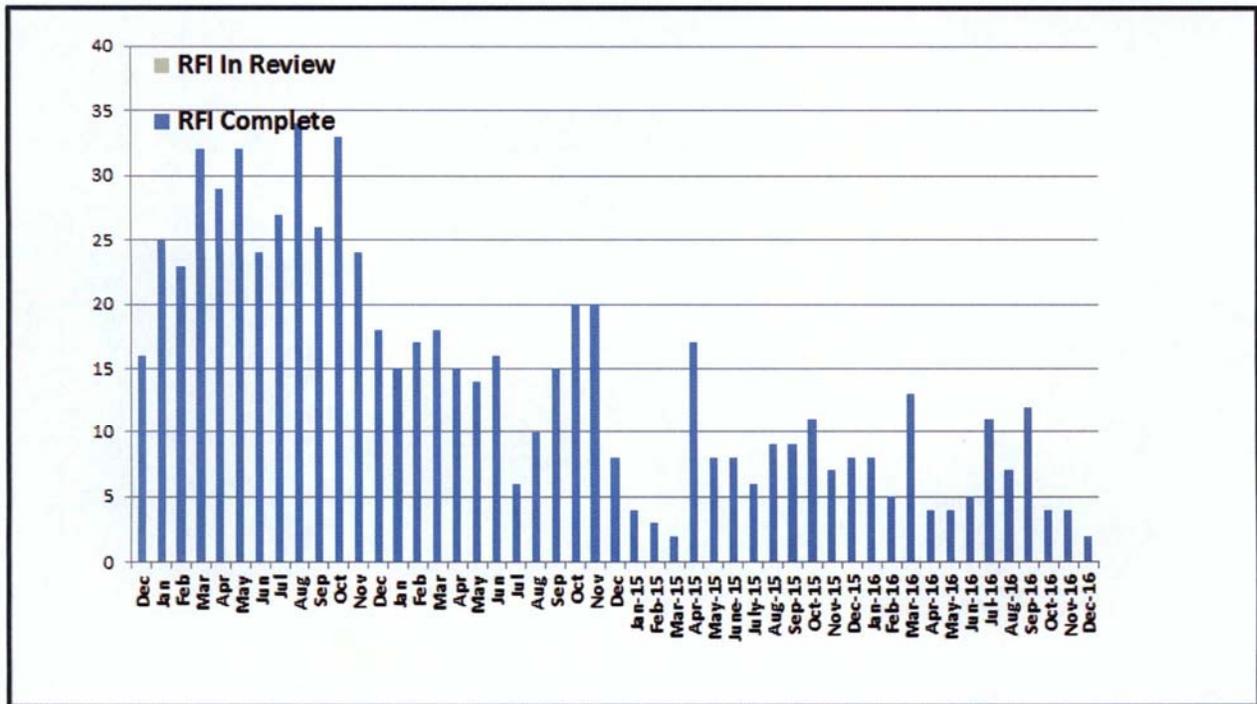


| Unit Price Item Quantity Overruns (Actual Quantity Overruns) | | | | | |
|--|---|-------------------------|-------|--------------|-------------------------|
| Item Number | Description | Actual Quantity Overrun | Units | Unit Price | Actual Cost Overrun |
| 111 | CLEARING AND GRUBBING | 28.16 | AC | \$ 7,700.00 | \$ 216,832.00 |
| 120 | REGULAR EXCAVATION | 44188.62 | CY | \$ 29.00 | \$ 1,281,469.98 |
| 212 | MINOR STRUCTURE EXCAVATION BOX CULVERT | 1233.83 | CY | \$ 35.00 | \$ 43,184.05 |
| 505 | BEDDING MATERIAL AGGR. NO. 25 OR 26 | 2689.74 | TON | \$ 78.50 | \$ 211,144.59 |
| 27500 | GEOTEXTILE FABRIC | 26020.98 | SY | \$ 6.70 | \$ 174,340.57 |
| 525 | CONCRETE CLASS A3 MISC. | 79.45 | CY | \$ 2,913.26 | \$ 231,458.51 |
| 1182 | 18" CONC. PIPE | 498 | LF | \$ 57.46 | \$ 28,615.08 |
| 1242 | 24" CONC. PIPE | 484.11 | LF | \$ 76.22 | \$ 36,898.86 |
| 2192 | 30" X 19" ELLIPTICAL CONC. PIPE | 341 | LF | \$ 150.00 | \$ 51,150.00 |
| 27550 | STORMWATER MANAGEMENT DRAINAGE STRUCTURE SWM-1 | 24.1 | LF | \$ 6,232.87 | \$ 150,212.17 |
| 9148 | EROSION CONTROL STONE (CLASS A1), EC-1 | 923.47 | SY | \$ 111.98 | \$ 103,410.17 |
| 9150 | EROSION CONTROL STONE (CLASS I), EC-1 | 3892.15 | SY | \$ 147.48 | \$ 574,014.28 |
| 85003 | UNDERCUT EXC @ TWICE REG EXC | 36315.83 | CY | \$ 50.00 | \$ 1,815,791.50 |
| 10636 | ASPHALT CONCRETE TY. SM-9.5D | 776.42 | TON | \$ 75.00 | \$ 58,231.50 |
| 10128 | AGGR. BASE MATL. TY. I NO. 21B | 35113.92 | TON | \$ 28.23 | \$ 991,265.96 |
| 10417 | TACK COAT | 1258.61 | GAL | \$ 15.90 | \$ 20,011.90 |
| 10630 | FLEXIBLE PAVEMENT PLANING | 53451.44 | SY | \$ 2.23 | \$ 119,196.71 |
| 12940 | ENTRANCE GUTTER CG-9D | 468.38 | SY | \$ 70.73 | \$ 33,128.52 |
| 13487 | MEDIAN BARRIER MB-8A TYPE III | 451 | LF | \$ 162.83 | \$ 73,436.33 |
| 22643 | FENCE FE-CL | 1509 | LF | \$ 12.19 | \$ 18,394.71 |
| 51910 | SAW CUT | 23408 | LF | \$ 2.07 | \$ 48,454.56 |
| 24703 | NS REMOVE EXIST. (PIPE) | 2173 | LF | \$ 25.94 | \$ 56,367.62 |
| 9151 | EROSION CONTROL STONE, EC-1 (STD. PG-3 TYPE I, CLASS I) | 1224.22 | SY | \$ 83.27 | \$ 101,940.80 |
| 27321 | PROTECTIVE COVERING EC-2 | 92036.02 | SY | \$ 1.35 | \$ 124,248.63 |
| 13570 | NS RETAINING WALL SOIL NAIL | 626 | SF | \$ 200.04 | \$ 125,225.04 |
| 13570 | NS RETAINING WALL TEMPORARY | 12082.3 | SF | \$ 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 |
| 272 | SELECT MATERIAL, TYPE I | 398.09 | CY | \$ 59.57 | \$ 23,714.22 |
| 27102 | REGULAR SEEDING | 5894.46 | LB | \$ 15.00 | \$ 88,416.90 |
| 39004 | NS TEMPORARY SEEDING | 2587 | LB | \$ 15.00 | \$ 38,805.00 |
| 515 | TEMPORARY SHEET PILING | 6806.43 | SF | \$ 25.00 | \$ 170,160.75 |
| 10065 | AGGR. MATL. NO. 1 | 782.2192 | TON | \$ 35.91 | \$ 28,089.49 |
| 24278 | GROUP II CHANNELIZATION DEVICES | 361362 | DAY | \$ 0.14 | \$ 50,590.68 |
| 24283 | POLICE PATROL | 5093.85 | HR | \$ 42.40 | \$ 215,979.24 |
| 54550 | CONSTR. PAVE. MARK. (TY. F, CL I) 4" | 529506.77 | LF | \$ 0.25 | \$ 132,376.69 |
| 56052 | BORED CONDUIT 4" | 31261 | LF | \$ 32.90 | \$ 1,028,486.90 |
| 56053 | 2" PVC CONDUIT | 46274 | LF | \$ 2.25 | \$ 104,116.50 |
| 56055 | 4" PVC CONDUIT | 12050 | LF | \$ 4.81 | \$ 57,960.50 |
| 56200 | TRENCH EXCAVATION ECI-1 | 4201 | LF | \$ 4.59 | \$ 19,282.59 |
| 55588 | IN-GRADE JUNCTION BOX (JB-S1, S2 OR S3) | 51 | EA | \$ 1,500.00 | \$ 76,500.00 |
| 64416 | PRESTR. CONCRETE PILES 16" | 707 | LF | \$ 65.00 | \$ 45,955.00 |
| 61704 | CORROSION RESISTANT REINF. STEEL (Plan Quantity) | 17439 | LB | \$ 2.00 | \$ 34,878.00 |
| 64868 | DRIVING TEST FOR 24" PRESTR. CONC. PILE | 238 | LF | \$ 150.00 | \$ 35,700.00 |
| 64416 | PRESTR. CONCRETE PILES 16" | 1569 | LF | \$ 65.00 | \$ 101,985.00 |
| 64416 | PRESTR. CONCRETE PILES 16" | 1578 | LF | \$ 65.00 | \$ 102,570.00 |
| 40081 | 8" DI WATER MAIN | 753.84 | LF | \$ 47.74 | \$ 35,988.32 |
| 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 | 34864 | EA | \$ 1.95 | \$ 67,984.80 |
| 42080 | 8" DI SAN PIPE | 365 | LF | \$ 93.51 | \$ 34,131.15 |
| | Total | | | | \$ 11,540,310.61 |

6. RFI AND SUBMITTAL STATUS



Total Number of Submittals = 704; Number of Submittals in review = 0;



Total Number of RFI = 688; Number of RFI in review = 0

7. SCHEDULE MILESTONES

The contractor submitted CPM schedule Update 42 with a data date of 12/25/2016. Update 42 has the projected completion on January 11, 2017 which is ahead of the contract completion date of April 1, 2017. The following chart summarized the current milestones in DBC’s schedule and a comparison of projected Early Finish/Late Finish dates with the November 2016 CPM schedule update.

Milestones

| Activity ID | Activity Name | Status | September 2016 Update 39 | | October 2016 Update 40 | | Actual Finish |
|-------------|--|---------------|--------------------------|-------------|------------------------|-------------|---------------|
| | | | Early Finish | Late Finish | Early Finish | Late Finish | |
| 2MS1210 | ORT Final Acceptance | Not Completed | 1/11/2017 | 3/31/2017 | 12/23/2016 | 3/31/2017 | |
| MS0020 | Contract Completion | Not Completed | 2/3/2017 | 3/31/2017 | 1/11/2017 | 3/31/2017 | |
| MS1020 | Early Completion | Completed | | | | | 12/11/2016 |
| 3MS1020 | Phase 3 Complete / Cedar Road Mainline | Completed | | | | | 12/11/2016 |
| 3MS1030 | Cedar Road/Moses Grandy Complete | Completed | | | | | 12/11/2016 |
| 1MS1030 | Great Bridge Blvd Through Ramps complete | Completed | | | | | 12/11/2016 |
| 1MS1010 | Access Road C Complete | Completed | | | | | 12/11/2016 |
| 361EW1200 | Station 361 to B614/B615 Complete SB | Completed | | | | | 10/25/2016 |
| 361EW1280 | B614/B615 Through Ramps Complete | Completed | | | | | 10/25/2016 |
| 361EW1480 | Station 361 to B614/B615 Complete NB | Completed | | | | | 10/25/2016 |
| 608-M8130 | Existing Bridge Demolition Complete | Completed | | | | | 10/25/2016 |
| RKEW4150 | Ramp K Complete | Completed | | | | | 10/25/2016 |
| RLEW1080 | Place Traffic on completed Ramp R | Completed | | | | | 10/25/2016 |
| 612-M9000 | B612 Complete | Completed | | | | | 10/29/2016 |
| 2MS1170 | B-608 Complete | Completed | | | | | 10/24/2016 |
| ROUT1090 | Ramp O Complete | Completed | | | | | 9/25/2016 |
| 2MS1190 | Ramp E, F & Bainbridge Blvd. Complete | Completed | | | | | 9/5/2016 |
| 294TS1270 | Site Installation Complete | Completed | | | | | 6/1/2016 |
| 294TS1260 | Completion of All Pre-Installation Testing | Completed | | | | | 6/1/2016 |
| 1MS1040 | B615 Complete | Completed | | | | | 7/1/2016 |
| 1MS1045 | B614 Complete | Completed | | | | | 7/1/2016 |
| 613-M9000 | B613 Complete | Completed | | | | | 2/1/2016 |
| GBMS1050 | Great Bridge Blvd Phase 1 Complete | Completed | | | | | 5/27/2016 |
| 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 |
| 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



12/09/2016 B608 and B609



12/09/2016 Cedar Road Intersection



12/09/2016 Dominion Blvd SB



12/09/2016 Dominion Blvd SB



12/09/2016 B608 and B609