

Route 58 Corridor from Hillsville to Stuart

Hillsville By-Pass Project

Quarterly Report

Period

July 1, 2009 through September 30, 2009



Branch Highways, Inc.

Quarterly Report

1. Introduction

This report includes a summary of the work performed beginning July 1, 2009 and ending September 30, 2009. Project activities including design, permit monitoring, and construction took place during this period.

2. Status of Project Plans and Project Schedule

Plans including Safety, Environmental, Quality Assurance and Quality Control, and Construction Traffic Management Plans have been previously completed. The initial detailed CPM Schedule has been submitted and approved. Monthly updates are being submitted with the monthly payment requests per the contract requirements.

3. Status of Construction Drawings

Construction Plans including Grading, Erosion and Sediment Control, Deep Drainage and Box Culverts, Storm Water Management Ponds, Bridges, Cross-sections, Utilities, Permanent signs, Phase II Erosion and Sediment Control, and Surface Drainage have been submitted, approved and released for construction. Drawings still needing approval include Final Pavement Sections/Details, Pavement Markings, and Permanent Lighting. These remaining construction drawings are still in the submittal/approval/release for construction process. In-stream Plans of Operations along with Plans and Agreements for additional waste and borrow sites are being submitted as needed.

4. Status of Project Permits

Permits are being held by VDOT for this project. The latest revised permit sketches were provided by VDOT on May 2, 2008 for the Hillsville Bypass project. Permit obligations such as pre-construction monitoring have been completed for any work areas where construction activities have started. Construction monitoring and reporting is on-going per the permit obligations. The First Year Monitoring Report was submitted to VDOT for the Department's review and submission to the regulatory agencies. Starting October 1st, time of year restrictions go into effect for the stream in the two eastern most impact sites on the job. Work can resume in these areas in April 2010.

5. Project Team Members Under Contract

The project team currently consists of the following organizations listed alphabetically:

- a. Adams Construction Company to furnish and install asphalt for paved areas;
- b. DLB Inc. to construct the bridges and to install the precast box culverts;
 - i. ACE Steel, Inc. for reinforcing steel placement (Second Tier Subcontractor to DLB)
 - ii. Lanford Bros. for substructure repair (Second Tier Subcontractor to DLB)

- iii. Penhall Company for bridge deck grooving (Second Tier Subcontractor to DLB)
- iv. Olympus Painting Contractors for Bridge Painting (Second Tier Subcontractor to DLB)
- v. Watts Barrier Walls for Bridge Parapet wall construction (Second Tier Subcontractor to DLB)
- c. E.C. Pace Company to furnish and install water and sanitary sewer utilities;
- d. Easter Fencing to furnish and install the Right of Way fence;
- e. Environmental Erosion Control LLC to furnish and install erosion control items;
- f. Greenhorne & O'Mara, Inc. to perform the asbestos abatement, abatement air monitoring and demolition of existing structures;
- g. Gregory Seeding & Landscaping, Inc. to furnish and install permanent and temporary seeding and the wetlands plantings;
- h. Hanson Pipe & Products to furnish the precast concrete box culverts;
- i. HNTB Corporation for design, construction inspection and permit monitoring;
- j. Kanawha Stone Company to perform most of the mass excavation operations;
- k. Midasco Incorporated to furnish and install the permanent signs and highway electrical;
- l. Nickelston Industries, Inc. to furnish and install guardrail;
- m. Payne's Parking Designs, Inc. to furnish and install permanent and temporary pavement markings;
- n. Permatile Concrete Products to furnish the precast concrete drainage pipe and structures;
- o. Salem Stone Corporation to furnish the aggregates;
- p. Slurry Pavers, Inc. to perform subgrade soil cement stabilization;
- q. Stockner Excavation, LLC to perform clearing operations at the far east end of the job;
- r. Thompson & Litton to perform the construction survey and layout;
- s. West Contracting Inc. to perform the clearing and grubbing.

6. Work Started and Completed

The activity on the construction site during the third quarter was steady with great overall progress achieved. On-going erosion and sediment control maintenance as well as maintenance and protection of traffic was performed throughout the project.

Work Area #1 – Webb Wetland Mitigation Site

Major activity in the wetland mitigation site wrapped up during this quarter. The As-built survey of the mitigation site was put together and submitted for review and approval. Once approval is granted mixing of the organic compost and topsoil will take place. The approval of the excavated grades will also allow the groundwater monitoring plan to be finalized and monitoring well installation. The planting in this area is currently scheduled for the fall of 2010.

Work Area #2 – Rt 58/221 (Far west end) to End of Rt 58/221 work (Station 45+45)

The finishing touches for the surface drainage in the east bound lanes are still on-going in Area #2. Box and balance along with fine grade activities are near completion in the east bound lanes. Cement stabilization of the subgrade, base stone and base asphalt were placed in the available work areas on the east bound lanes. Widening work on the west bound lanes at the far west end of the project also progressed through fine grade, subgrade cement stabilization, base stone, and base asphalt phase.

Construction of Bridge B-617 (located on the east bound lanes of Route 58/221) continued with structural steel installation, deck pan installation, and deck rebar installation.

The new alignment of Gardner's Mill Road received the base asphalt layer which allows traffic to travel safely. Surface asphalt will be placed once the eastbound lanes of Route 58/221 are ready for surface asphalt.

Work on Bridge B-616 which carries the westbound lanes of the Route 58 Bypass over Route 58/221 included completion of the deck concrete installation and approach slab concrete. The parapet wall reinforcing installation is currently in progress. The concrete deck will likely be grooved once B617 is ready for deck grooving. This grooving should occur in November.

Work Area #3 – Rt. 58 Bypass (South of Rt 58/221 Station 103+70) to Howlett Street (Station 115)

Surface drainage pipe work got off to a great start in Area 3 going up the hill towards Howlett Street. As the pipe work completed the subgrade cement stabilization, box and balance along with fine grade activities commenced. The two travel lanes along with much of the shoulder area are covered with the first of two lifts of base asphalt.

Work Area #4 – Howlett Street (Station 115) to East of Rt. 52 (Station 132)

Work on Bridge B-615 (Howlett Street over Rt. 58) continued this quarter through the placement of the concrete deck and parapet wall. Measures were taken to open the bridge temporarily to traffic so that it could be used for the Hillsville Flea Market traffic in early September. Base asphalt and temporary pavement markings were installed on Howlett Street to allow this traffic flow.

The large fill just west of Route 52 finished near the end of this quarter, this fill work ended mass earthwork operations from existing Route 58 eastward to Route 52. In conjunction with this fill, fill for Service Road #2 was placed and the remainder of the Service Road was graded.

Surface Drainage pipe work was performed in the large fill area as the fill progressed. By placing the drainage with the raising of the fill the trench depths for the pipe were minimized.

Work Area #5 – East of Rt. 52 (Station 132) to Snake Creek Road Area (Station 158)

Box and balance work progressed eastward to the start of the cut in Area #5. Mass excavation activities continued on the cut near Station 141+00. This excavation activity was affected by the weather as well as the existing moisture content of the material. This material required extra drying efforts to meet moisture and compaction requirements when used in fills.

Some fill was placed on the west side of the Snake Creek Road realignment since all fills west of there had previously been finished. This fill stops at the abutments for future bridges B612 and B613.

Work Area #6 – Snake Creek Area (Station 158) to East end Tie-in

Work on the Route 669 Tie-in commenced along with fill for the temporary traffic detour #6 which intersects with the new Route 669 alignment. The material for these fills is being excavated from the Ramp I area.

The Ramp I excavation started once the final clearing and grubbing was finished in this work area. Much of the topsoil from Ramp I has been stockpiled on private property. The written agreement with this property owner also allows placement of excess excavated material on the same property if needed. The topsoil will be used to finish the disposal area.

Mass excavation activities continued in the large cut area south of existing Route 58 (station 155+75 to 166+00) with many areas in the cut reaching subgrade elevation. Based on topographic surveys, approximately 75% of the material has been moved from this cut.

The mass excavation for the project is about 81% complete to date.

Stored materials have been approved by VDOT for bridge structural steel, steel decking, H-pile, right-of-way fencing, and guardrail. These material values are reflected in Attachment 1 which is part of the monthly pay estimates.

The project is on schedule to meet the contract substantial completion date of September 1, 2011.

There were no material disputes or claims, actions or assertions against the Contractor, the Project or Project Right of way, or Lien claims or stop notices file or threatened to be filed by any Person for the period.

Please find the following attachments.

1. A chart and graph depicting the actual cumulative payment value and the maximum cumulative payment value allowed by the contract.
2. Project progress photos for the work during this quarter.

**ACTUAL AND MAXIMUM EARNINGS
RT. 58 PPTA - PHASE 2 HILLSVILLE BYPASS**

		Actual Monthly	Cumulative	Estimated	Cumulative
Month	Date	Earnings	Actual Monthly Earnings	Monthly Draw	Maximum Allowable Monthly Draw
1	09/20/07	\$ 1,500,000.00	\$ 1,500,000.00	\$ 2,200,000.00	\$ 2,200,000.00
2	10/20/07	\$ 1,150,000.00	\$ 2,650,000.00	\$ 3,500,000.00	\$ 5,700,000.00
3	11/20/07	\$ 1,709,500.00	\$ 4,359,500.00	\$ 1,500,000.00	\$ 7,200,000.00
4	12/20/07	\$ 2,650,500.00	\$ 7,010,000.00	\$ 1,500,000.00	\$ 8,700,000.00
5	01/20/08	\$ 851,950.00	\$ 7,861,950.00	\$ 1,700,000.00	\$ 10,400,000.00
6	02/20/08	\$ 1,036,150.00	\$ 8,898,100.00	\$ 1,500,000.00	\$ 11,900,000.00
7	03/20/08	\$ 1,047,600.00	\$ 9,945,700.00	\$ 1,100,000.00	\$ 13,000,000.00
8	04/20/08	\$ 2,253,500.00	\$ 12,199,200.00	\$ 1,100,000.00	\$ 14,100,000.00
9	05/20/08	\$ 1,666,300.00	\$ 13,865,500.00	\$ 1,100,000.00	\$ 15,200,000.00
10	06/20/08	\$ 3,045,380.21	\$ 16,910,880.21	\$ 2,500,000.00	\$ 17,700,000.00
11	07/20/08	\$ 2,921,142.73	\$ 19,832,022.94	\$ 3,100,000.00	\$ 20,800,000.00
12	08/20/08	\$ 3,621,732.87	\$ 23,453,755.81	\$ 2,700,000.00	\$ 23,500,000.00
13	09/20/08	\$ 2,244,500.00	\$ 25,698,255.81	\$ 3,000,000.00	\$ 26,500,000.00
14	10/20/08	\$ 2,944,970.32	\$ 28,643,226.13	\$ 3,000,000.00	\$ 29,500,000.00
15	11/20/08	\$ 2,802,662.50	\$ 31,445,888.63	\$ 3,600,000.00	\$ 33,100,000.00
16	12/20/08	\$ 1,738,856.34	\$ 33,184,744.97	\$ 2,600,000.00	\$ 35,700,000.00
17	01/20/09	\$ 463,461.00	\$ 33,648,205.97	\$ 2,500,000.00	\$ 38,200,000.00
18	02/20/09	\$ 1,148,716.24	\$ 34,796,922.21	\$ 2,200,000.00	\$ 40,400,000.00
19	03/20/09	\$ 1,750,950.00	\$ 36,547,872.21	\$ 2,400,000.00	\$ 42,800,000.00
20	04/20/09	\$ 1,592,642.50	\$ 38,140,514.71	\$ 2,300,000.00	\$ 45,100,000.00
21	05/20/09	\$ 1,894,207.25	\$ 40,034,721.96	\$ 2,500,000.00	\$ 47,600,000.00
22	06/20/09	\$ 1,538,820.11	\$ 41,573,542.07	\$ 2,400,000.00	\$ 50,000,000.00
23	07/20/09	\$ 3,236,630.25	\$ 44,810,172.32	\$ 2,500,000.00	\$ 52,500,000.00
24	08/20/09	\$ 2,485,358.61	\$ 47,295,530.93	\$ 2,500,000.00	\$ 55,000,000.00
25	09/20/09	\$ 2,576,430.97	\$ 49,871,961.90	\$ 2,500,000.00	\$ 57,500,000.00
26	10/20/09			\$ 2,500,000.00	\$ 60,000,000.00
27	11/20/09			\$ 1,500,000.00	\$ 61,500,000.00
28	12/20/09			\$ 1,500,000.00	\$ 63,000,000.00
29	01/20/10			\$ 1,000,000.00	\$ 64,000,000.00
30	02/20/10			\$ 1,000,000.00	\$ 65,000,000.00
31	03/20/10			\$ 1,000,000.00	\$ 66,000,000.00
32	04/20/10			\$ 1,000,000.00	\$ 67,000,000.00
33	05/20/10			\$ 1,000,000.00	\$ 68,000,000.00
34	06/20/10			\$ 1,000,000.00	\$ 69,000,000.00
35	07/20/10			\$ 1,000,000.00	\$ 70,000,000.00
36	08/20/10			\$ 1,000,000.00	\$ 71,000,000.00
37	09/20/10			\$ 1,000,000.00	\$ 72,000,000.00
38	10/20/10			\$ 1,000,000.00	\$ 73,000,000.00
39	11/20/10			\$ 1,000,000.00	\$ 74,000,000.00
40	12/20/10			\$ 1,000,000.00	\$ 75,000,000.00
41	01/20/11			\$ 1,000,000.00	\$ 76,000,000.00
42	02/20/11			\$ 1,000,000.00	\$ 77,000,000.00
43	03/20/11			\$ 1,000,000.00	\$ 78,000,000.00
44	04/20/11			\$ 1,300,000.00	\$ 79,300,000.00
45	05/20/11			\$ 1,500,000.00	\$ 80,800,000.00
46	06/20/11			\$ 1,300,000.00	\$ 82,100,000.00
47	07/20/11			\$ 300,000.00	\$ 82,400,000.00
48	08/20/11			\$ 500,000.00	\$ 82,900,000.00
49	09/20/11			\$ 100,000.00	\$ 83,000,000.00
	Totals	\$ 49,871,961.90		\$ 83,000,000.00	

**Funding for future phases to be determined.

Actual vs. Maximum Allowable Monthly Earnings Rt. 58 PPTA - Phase 2 Hillsville Bypass

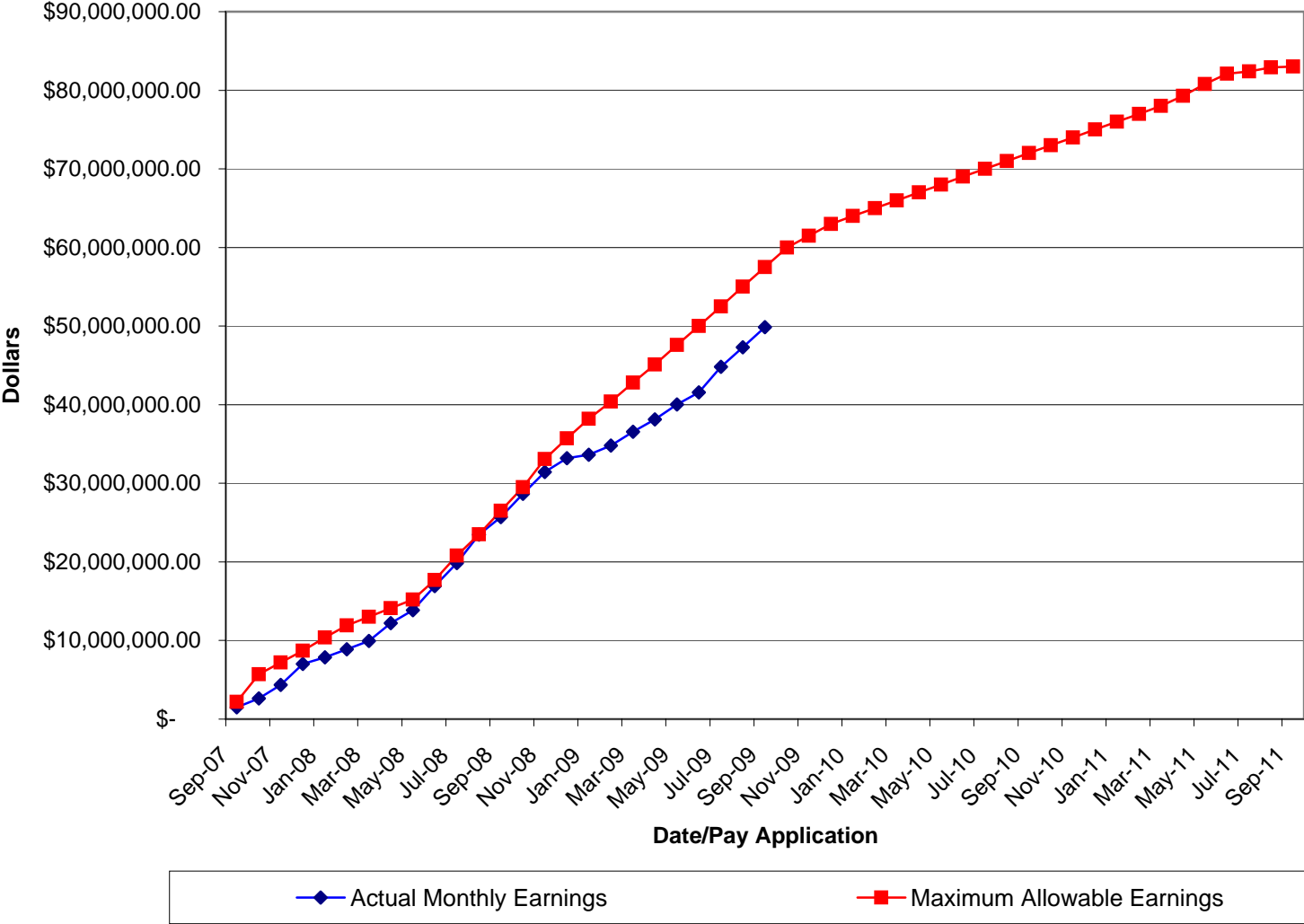




Image 1 - Area 1, Webb Wetland Mitigation Site (7-22-09)



Image 2 - Area 2, B617 deck pan installation (8-17-09)



Image 3 - Area 3, Median pipe work Mainline Bypass (7-16-09)



Image 4 - Area 2 and 3, looking east (7-22-09)



Image 5 - Area 3, Base asphalt east bound, and base CTA west bound (9-28-09)



Image 6 - Area 3, Subgrade Cement Stabilization below Howlett St. Bridge (9-14-09)



Image 7 - Area 4, B615 Howlett St. Bridge deck concrete (7-10-09)



Image 8 - Area 4, Fill 5 work, this has since completed (7-13-09)



Image 9 - Area 6, Ramp I excavation (9-30-09)



Image 10 - Area 6, far east end clearing (8-11-09)