

# **Route 58 Corridor from Hillsville to Stuart**

## **Hillsville By-Pass Project**

### **Quarterly Report**

**Period**

**July 1, 2008 through September 30, 2008**



**Branch Highways Inc.**

# Quarterly Report

## 1. Introduction

This report includes work during the time period beginning July 1, 2008 and ending September 30, 2008. Project activities including design, permit monitoring, and construction occurred during this period.

## 2. Status of Project Plans and Project Schedule

All of the plans including Safety, Environmental, Quality Assurance and Quality Control, and Construction Traffic Management Plans have been completed. The initial detailed CPM Schedule has been submitted and approved. Monthly updates are being submitted with the 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, and Cross-sections have been submitted, approved and released for construction for the entire project with the exception of the Surface Drainage, Final Pavement Sections/Details, Utilities at Howlett Street, Route 669 tie-in, and Permanent Signs. These remaining construction drawings are still in the submittal/approval/release for construction process. In-stream Plans of Operations along with Plans/Agreements for additional waste and borrow sites will be 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. Other permit obligations are still scheduled to be completed prior to remaining work areas being needed.

Jurisdictional Site #12 has been released for construction activities by the Virginia Department of Game and Inland Fisheries (DGIF) and the US Army Corps of Engineers. Site #12 was released for construction July 24, 2008.

## 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;
- 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. Thompson & Litton to perform the construction survey and layout;
- q. West Contracting Inc. to perform the clearing and grubbing.

#### 6. Work Started and Completed

The activity on the construction site has been steady during this quarter. Current construction activities span most of the project's final length.

##### Work Area #1 – Webb Wetland Mitigation Site

Activity in the wetlands was limited to maintenance of the erosion and sediment controls previously installed. During this quarter there was considerable planning for the work that will take place in wetlands and stream compensation site at Little Reed Island Creek.

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

Waterline construction at the western end of the project started. The new waterline started in mid-August and is currently nearing completion. Service Road #1 at the western end of the job was brought to finish grade, driveway pipe was installed, the surface was fine graded and stone was placed on the road to stabilize it. Seat and pier repairs started on bridge B-617 on existing Route 58. Undercut was performed on both the east and west sides of bridge B-618 throughout August and September. Upon the completion of the east undercut, excavation of borrow material started. This material is still currently being used to fill the approach for B-618. Material for the west approach is being excavated from the side slope of existing Route 58 and below Service Road #1. The new alignment of Gardner's Mill Road started and finished, the material for this work came from an off-site borrow area.

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

The same borrow site used for Gardner's Mill realignment provided material for Ramps A, B, eastbound ramp, and westbound lanes adjacent to existing Route 58/221. This fill

area is very near completion. During the early to middle portion of this quarter mass excavation fills were placed between existing Route 58/221 and Howlett Street. This is fill number two for Kanawha Stone (station 107+00 to 113+50) and is the largest fill, it is progressing well. The cut area at Howlett Street is substantially complete with some rock material being left, this material will be likely be used in the RU-1 layer.

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

Excavation between Howlett Street and Route 52 moved quickly with most of the material being hauled a short distance to the fill over deep pipe 13-2. This excavation stopped in August. Bridge B-614 progressed nearly to completion during this quarter. The abutments, pier, approach slabs, structural steel, and deck were all completed. With the approach slabs finished widening and drainage work on Route 52 started. Surface pipe 19-1 was installed in ramp G.

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

Just east of Route 52 deep pipe 19-12 started and finished during this period. This pipe is located in Jurisdictional Site 12, the release of this site for construction (7-24-08) opened the middle portion of the project for work to continue. Kanawha started cut five (station 136+25 to 145+50), this material is being placed on pipe 19-12. Some minor earthwork continued in the early portion of the quarter at Service Roads 3 and 4. The box culvert 24-1 started and finished during this period. This box culvert carries mainline Route 58 Bypass over Beaverdam Creek. Double pipe run 24-9 was finished, it will carry Beaverdam Creek under new Snake Creek Road. Stormwater Management Pond #6 had it's outfall pipe installed and the earthwork complete.

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

Most of the remaining topsoil has been striped to allow the start of cut six (station 155+75 to 169+50) for Kanawha Stone. Fill continues over deep pipe 25-7, the first few meters of fill are being placed by Branch Highways. Deep pipe 28-1 was started and finished, this pipe is located under Ramp L.

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

The project is meeting the current schedule with substantial completion 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.

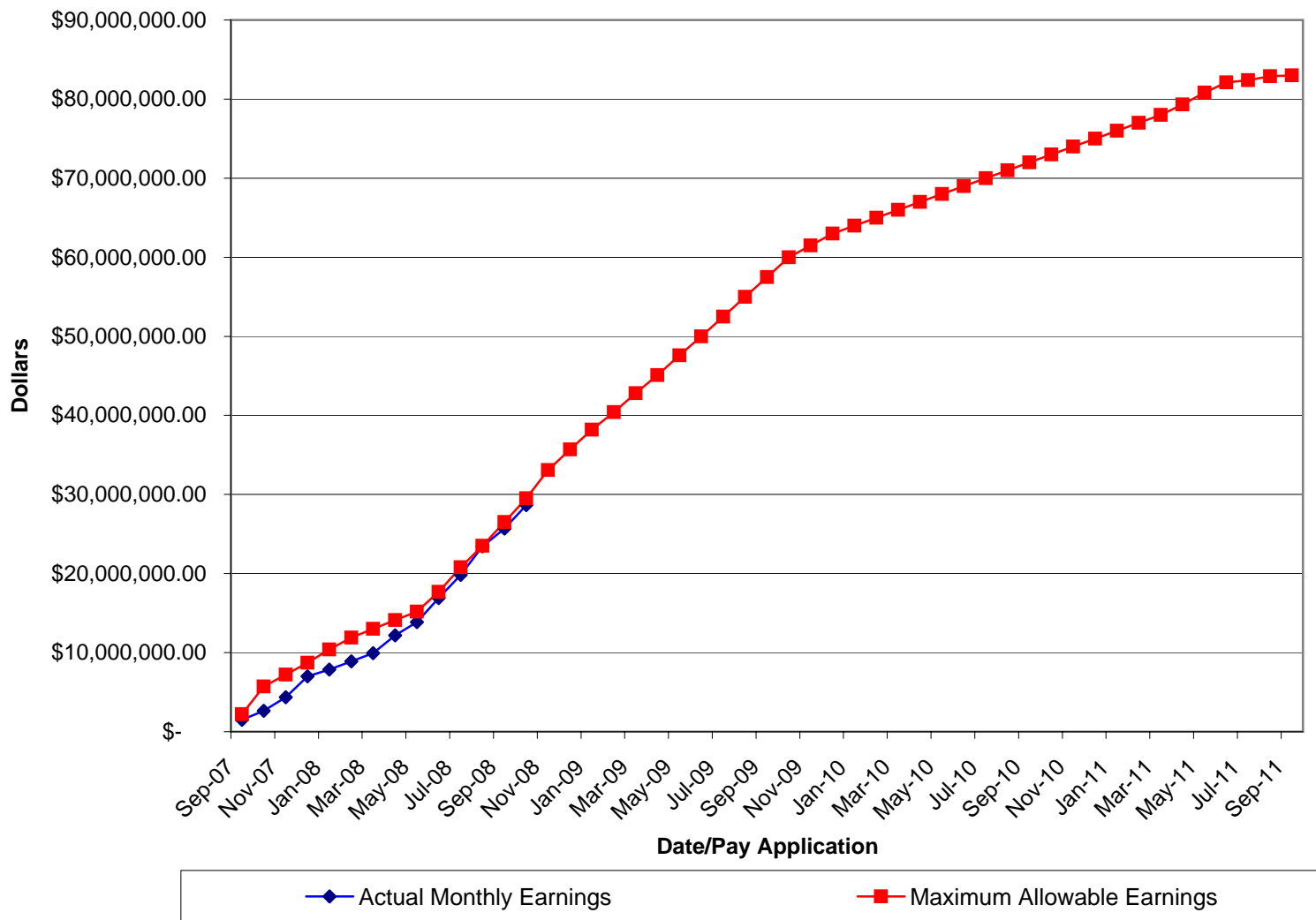
1. A chart and graph depicting the actual cumulative payment value and the maximum cumulative payment value allowed by the contract.
2. Project progress photos

**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			\$ 3,600,000.00	\$ 33,100,000.00
16	12/20/08			\$ 2,600,000.00	\$ 35,700,000.00
17	01/20/09			\$ 2,500,000.00	\$ 38,200,000.00
18	02/20/09			\$ 2,200,000.00	\$ 40,400,000.00
19	03/20/09			\$ 2,400,000.00	\$ 42,800,000.00
20	04/20/09			\$ 2,300,000.00	\$ 45,100,000.00
21	05/20/09			\$ 2,500,000.00	\$ 47,600,000.00
22	06/20/09			\$ 2,400,000.00	\$ 50,000,000.00
23	07/20/09			\$ 2,500,000.00	\$ 52,500,000.00
24	08/20/09			\$ 2,500,000.00	\$ 55,000,000.00
25	09/20/09			\$ 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
	<b>Totals</b>	<b>\$ 28,643,226.13</b>		<b>\$ 83,000,000.00</b>	

\*\*Funding for future phases to be determined.

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







**Image 3 - Work Area 4, B-614 steel and deck (8-11-08)**



**Image 4 - Work Area 4, Cut between Howlett and Rt. 52, Station 120+00 to 125+00 (7-22-08)**





**Image 5 - Work Area 5, Box Culvert 24-1 (8-25-08)**



**Image 6 - Work Area 5+6, Box 24-1 near with crane, Mass cut Station 155+75 to 169+50 background (9-4-08)**