

## **N.C. 12 Update 9/30/2011**

At the Rodanthe breach area, crews continued the fine grading of the road bed in preparation of asphalt paving of the southbound lanes at the s-curves. The first layer of asphalt base for the northbound lane, south of the s-curves, was completed. Yesterday 17 truckloads of asphalt were delivered to the project. Crews began excavation near the roadway to install additional sand bags at the s-curves.

At the temporary bridge location on Pea Island, crews finished driving all of the piles needed for this project. The framework for the concrete footings at bent 1 was put into place. An additional 15 feet of the bridge truss was assembled and the bridge was launched another 90 feet to the south.

### **Temporary Bridge Facts:**

- Piling: 82 piles driven out of 82 total piles. (Complete)
- Sheet Piling Bulkhead: 726 linear feet out of 726 total linear feet. (Complete)
- Concrete Footings: 8 footings poured out of 12 total footings.
- Bridge Truss Spans: 511 linear feet out of 662 total linear feet.

Crews have made great progress at both the Rodanthe breach area and the temporary bridge location; however there are still several tasks that must be complete prior to N.C. 12 reopening. These items are:

### **Pea Island Bridge**

- Place concrete for 4 footings;
- Install a backwall to accommodate the transition between road and bridge on the south end of the bridge;
- Assemble approximately 151 feet of bridge truss and launch the bridge truss to the south end;
- Remove the temporary roller bearings and lower bridge onto permanent bearings;
- Put grout/cement in 86 anchor bolts for the permanent bearings;
- Adjust bridge truss for a smooth ride onto and off the bridge;
- Install 12 devices, which are 900 pounds each, to prevent uplift of the bridge in a storm event;
- Bolt together and install 610 steel deck panels to the truss floor beams to create the riding surface;
- Complete backfilling the retaining walls at the ends of the bridge;
- Grade and pave the roadway approaches to the bridge.
- Install guardrail to the approaches and both sides of the bridge; and
- Pave 2-3 inches of asphalt on the deck panels.

### **Roadway at the Pea Island Bridge and Rodanthe**

- Continue fine grading to shape the road bed for asphalt paving;

- Pave approximately 9,000 tons of asphalt;
- Install approximately 82 sand bags at the south end of the s-curves;
- Reshape the dune where sand bags were installed;
- Reconstruct the shoulder and reshape the dunes; and
- Install permanent traffic control devices, reflectors and place pavement markings.

NCDOT estimates that the roadway could be fully reopened sometime in early October, depending on weather conditions between now and then. Much of the remaining work is very weather dependent.