



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE  
GOVERNOR

EUGENE A. CONTI, JR.  
SECRETARY

March 22, 2011

Memo to: Prospective Bidders  
From: Rick Nelson, Asst. State Bridge Management Engineer *EBN*  
Subject: Addendum  
Project BP-5300W Haywood Co. Br #183&208 Deck Overlay

The following addendum is made to the bid proposal for the subject project:

**Intermediate Contract Time No. 2 and Liquidated Damages.** Revise to read "Structure Number 183 and 208". Revised page 7 is included herewith and shall replace the corresponding page in the proposal.

**Hydro-Demolition of Bridge Deck, Section A - Scarifying Bridge Deck.** Revise to read "Structure Number 183 and 208". Revised page 15 is included herewith and shall replace the corresponding page in the proposal.

Revised proposals and plans will be posted at the below web address:

<http://www.ncdot.gov/business/letting/bridge/>

Bidders are advised to incorporate the revised sheets in their bid proposals.

**HOLIDAY AND HOLIDAY WEEKEND LANE CLOSURE RESTRICTIONS:**

1. For **unexpected occurrence** that creates unusually high traffic volumes, as directed by the Engineer.
2. For **New Year's Day**, between the hours of 6:00 am December 31st to 9:00 pm January 2nd. If New Year's Day is on Friday, Saturday, Sunday or Monday, then until 7:00 pm the following Tuesday.
3. For **Easter**, between the hours of 6:00 am Thursday and 9:00 pm Monday.
4. For **Memorial Day**, between the hours of 6:00 am Friday and 9:00 pm Tuesday.
5. For **Independence Day**, between the hours of 6:00 am the day before Independence Day and 9:00 pm the day after Independence Day.

If Independence Day is on a Friday, Saturday, Sunday or Monday, then between the hours of 6:00 am the Thursday before Independence Day and 9:00 pm the Tuesday after Independence Day.

6. For **Labor Day**, between the hours of 6:00 am Friday and 9:00 pm Tuesday.
7. For **Thanksgiving Day**, between the hours of 6:00 am Tuesday and 9:00 pm Monday.
8. For **Christmas**, between the hours of 6:00 am the Friday before the week of Christmas Day and 9:00 pm the following Tuesday after the week of Christmas Day.

Holidays and holiday weekends shall include New Years, Easter, Memorial Day, Independence Day, Labor Day, Thanksgiving, and Christmas. The Contractor shall schedule his work so that lane closures are not required during these periods, unless otherwise directed by the Engineer.

The time of availability for this intermediate contract time shall be the time the Contractor begins to install all traffic control devices for daytime and nighttime lane closures according to the time restrictions listed above.

The completion time for this intermediate contract time shall be the time the Contractor is required to complete the removal of traffic control devices required for daytime and nighttime lane closures according to the time restrictions stated above and restore traffic to the existing pattern.

The liquidated damages are Two thousand Five Hundred (\$2500.00) per 15 minute period.

**E. INTERMEDIATE CONTRACT TIME No. 2 AND LIQUIDATED DAMAGES**

The Contractor shall complete all work required on Structure Number 183 and 208 excluding Under Deck Bent and Diaphragm repair and shall place and maintain traffic on same.

The date of availability for this intermediate contract time is April 25, 2011.

- (1) Water pressure.
- (2) Angle and distance of the orifice in relation to the surface to be blasted.
- (3) Limits of transverse and longitudinal movement of the orifice.
- (4) Speed of the orifice in the transverse and longitudinal direction.

The high pressure pump (or pumps) shall be equipped with over-pressurization relief valves and rupture disc systems. All high pressure components shall be rated at full working pressure of the hydro-demolition system. The complete hydro-demolition system must be capable of depressurization from a single point.

The equipment must operate at a noise level of less than 90 decibels at a distance of 50 feet.

### **Construction Methods**

Remove all existing asphalt overlays and all loose, disintegrated, unsound or contaminated concrete from the bridge deck in accordance with the following surface preparation classifications shown below:

Seal all expansion joints subjected to run-off water from the hydro-demolition process with material approved by the Engineer, prior to beginning the Class I Surface Preparation. The expansion joints shall remain sealed until water from the hydro-demolition process no longer passes over them. The contractor shall take all steps necessary to eliminate the flow of water through the expansion joints, and any other locations water could leak from the deck.

All deck drains in the immediate work area and the other sections of the bridge affected by the work being performed in the immediate work area shall be sealed prior to beginning the Deck Scarification. They shall remain sealed until it has been determined that materials from the hydro-demolition and concrete overlay operations can not be discharged through them any longer.

- A. Scarifying Bridge Deck: Removal of any asphalt wearing surface from the bridge deck or if applicable, the approach roadway pavement, and scarification of the concrete deck to remove the entire concrete surface of the deck to a uniform depth of 1 1/2" inch, but not less than 1/2 inch above the top mat of reinforcing steel.

#### **Estimated average cover to top mat:**

**Bridge # 183: 2" +/-3/8"**

**Bridge #208: 2" +/-3/8"**

Remove and dispose of all concrete and asphalt, and thoroughly clean the scarified surface. In areas where reinforcing steel is located in the depth to be scarified, use another method with the Engineer's approval. If reinforcing bars or bridge drainage devices are pulled up or snagged during scarification milling operations, the Contractor shall cease operations and consult with the Engineer to determine what adjustments, if any, need to be made.