

Delaware Department of Transportation

**QUESTIONS AND ANSWERS**

**T201207402.01**

**Interstate Bridge Maintenance South New Castle County**

**Friday, November 16, 2012**

Q #	Question	Answer
10	When will answers to questions be posted?	Please check website daily for Questions and Answers.
9	The bid quantities indicate 26,308 lbs of black rebar (603000) and 26,929 lbs of epoxy rebar (604000). All rebar in the bar lists is epoxy except for 24-#8 x 1'-6" anchor bolts which are threaded and galvanized. Please advise where the black bar is intended (603000).	<p>Incorrect quantities were included in the bid form. The correct quantities are as follows:</p> <p>BR 1-703          603000 - 48 lbs          604000 - 27,479 lbs</p> <p>BR 1-703A          603000 - 48 lbs          604000 - 25,663 lbs</p> <p>These will be corrected via Addendum.</p>

Q #	Question	Answer
8	<p>We are requesting that the Engineer review the time allotted for this contract of 243 Calendar Days. Looking at the construction of Bridges 703 and 703A there are eight separate traffic phases. Consider the following:</p> <ul style="list-style-type: none"> <li>• 24 Days for set up of eight traffic phases at 3 days each.</li> <li>• 84 Days for the last concrete cure in each phase: 4 phases @ 14 days (deck joints) and 4 Phases @ 7 days (parapet).</li> <li>• 21 Days to complete the restoration of median, mill and pave, guardrail on Rt. 896.</li> <li>• 33 Weather Days</li> <li>• 4 Days for Holidays of Easter, Memorial Day, 4th of July and Labor Day.</li> </ul> <p>The sum of all of these equals 166 Calendar Days. This leaves 77 days to complete eight separate phases of Bridges 703 and 703A. This allows only 9 days per phase to complete items such removal of parapet, replacement of parapet, removal and reconstruction of bridge joints, deck patching, and deck overlay. We believe this work would take at least 28 Days per phase which include multiple shifts.. This would total to at least 390 Calendar Days plus additional weather days.</p>	<p>Phase 1A and 1B would not require separate cure times. Concrete for barrier could be poured at any time during these phases. Phase 1B should be a short duration.</p> <p>Phase 1D includes median excavation and hot-mix pavement placement and does not have any concrete work. Phase 1D should be a short duration expected to be completed over a weekend or during nighttime work periods as noted in the Project MOT Notes. The notes also state that Phase 1D may be completed concurrent with Phase 1C.</p> <p>Phase 2A and 2B would not require separate cure times. Concrete for barrier could be poured at any time during these phases. Phase 2B should be a short duration.</p> <p>Phase 2C and 2D would not require separate cure times. Concrete for barrier could be poured at any time during these phases. Phase 2C should be a short duration.</p> <p>The Department's intent is to limit the impact to traffic on roadways with high traffic volumes, such as SR896 and I-95. The Department will consider the use of high early strength concrete for the removal and reconstruction of the bridge joints and deck patching. There are many items of work that can be done concurrently. The timing provided for this work should be adequate.</p>
7	<p>Bid Item 605607, Jacking Bridge is tabbed for Bridge 703A. It is not clear from the plans what locations will be need to be jacked and for what purpose. Please clarify.</p>	<p>Jacking item will be needed to repair beam seat G-1 of Abutment 2. As shown on Sheet 42, the deep spall repair is directly under the bearing, which will require jacking.</p>
6	<p>Regarding the breakout sheet for Item 602757, Thin Polymer Overlay:</p> <ul style="list-style-type: none"> <li>• Under Item 1 is the unit price to be per Cubic Yard and the Amount to be 85 CY X the Unit Price/CY?</li> <li>• Same question for Items 2 and 3. i.e. How is the bidder supposed to fill this out?</li> <li>• Under Item 2 is the quantity supposed to be 5 CY as it appears Item 2 and 3 are supposed to add up to 85 CY?</li> </ul>	<p>A revised breakout sheet will be provided as part of Addendum 2 after we assess the condition of the material to be reused. The quantity for Item 2 has been increased to account for waste that is anticipated as part of the thin polymer overlay process. The Contractor will be responsible for disposal of any excess material as noted in Note 13 of the Project Notes.</p>

Q #	Question	Answer
5	<p>Within the specification section for Item 602757, Thin Polymer Overlay under C. Equipment it is stated: "A continuous mixer employing an auger screw/chute device with self contained, separate aggregate, resin and peroxide compartments shall be used." Other DelDOT projects have had a similar statement except that the wording says "...may be used." Continuous mixers set up for the Polyester Polymer Concrete are not readily available in this area. The cost to bring this type of equipment to the site four different times is going to be very expensive. Can this wording be changed to "may be used" and leave this option up to the contractor to decide?</p>	<p>This will be revised as part of Addendum 2.</p>
4	<p>On sheet 2 of 89, note 13 states that the Department has enough material to construct approximately 80 CY of Item 602757, Thin Polymer Overlay. Regarding this material:</p> <ul style="list-style-type: none"> <li>• Is the material undamaged after hurricane Sandy hit the Indian River Inlet area?</li> <li>• What is the expiration date on the materials to be furnished?</li> <li>• If the contractor chooses not to use the material due to handling costs or material expiration issues will the contractor be responsible to dispose of the material?</li> </ul>	<p>If there is material that the Department intends to re-use but the Contractor chooses not to, the Contractor will still be responsible for its disposal. See Note 13 of the Project Notes. See also reponse to Question 2.</p>
3	<p>Could you provide us with the Specification for Item 202001, Excavation and Embankment-Lump Sum. It is not in the Special Provisions.</p>	<p>Item 202001 is a standard item and does not require a special provision. The item should be bid based on the Contract Plans on a Lump Sum basis.</p>
2	<p>Note on plan sheet 2 under PCC Masonry states that the contractor is to pick up the material for I-602757 at the Indian River Inlet Bridge location. Please provide a quantity list of the material and container sizes to be picked up.</p>	<p>A list of material for 602757 - Thin Polymer Overlay will be provided as part of Addendum No. 2. A revised breakout sheet will be issued at that time.</p>

Q #	Question	Answer
1	<p>Please confirm the quantities for 406001 – Hot Mix Patching and 760507 – Profile Milling Hot Mix are correct and advise where they are intended to be performed (type of work and approx location).</p> <p>Based on what I can find, the quantities appear to be far in excess of what will be needed or are indicated on the plans. Items 406001 &amp; 760507 are removing approx 12,800 ton of material but the paving items are only replacing 3,157 ton of material.</p>	<p>The quantity for Item 760507 should be 17,974 SY-In. This will be corrected via Addendum #2.</p>