

Call 10 Bridge Repairs on SR 149 over Broad Lake (Bridge No. 206.4) & on US 49W over the Yazoo River (Bridge Nos. 207.0 A & B), known as Federal Aid Project Nos. STBG-0091-01(011) / 109501301 and NHPP-0072-03(027) / 109506301 in Yazoo County.

- Q1. Can MDOT please confirm the quantity for Line Item 490 Bridge Repair, Class 2 Spray Finish (162,288 SF)? The calculated surface area for the rails Bridges 207.0A & 207.0B do not closely match the bid quantity. Are there additional surfaces that get the Class 2 Spray Finish at this location?
- A1. See Addendum 1.
- Q2. Special Provision 907-828-2 for Hybrid Polymer Concrete Overlay only allows for one type of material to be used for this scope of work. Will MDOT consider allowing an alternative material such as PPC 1121 Polyester Polymer Concrete manufactured by Kwikbond Polymers for this item of work? This material is widely used by many DOTs for bridge deck overlays and will offer MDOT an opportunity to have more than one material option and allow for more competitive bidding.
- A2. No.
- Q3. How does striping removal at US 49W Bridges A & B get paid? This will need to occur prior to placing the overlay at these locations.
- A3. It will be an absorbed item.
- Q4. Could you please provide instructions on how to gain access to the plans for this project?
- A4. Bidders can purchase plans at ShopMDOT.
- Q5. **1.)** Could you please clarify a few things for us regarding the new hydrodemolition Special provision 907-202-6 and the plan notes. The plan notes for the hydrodemolition state that 1 ½” of sound concrete deck shall be removed measured to the tops of the stones (highest points) of the hydrodemolition surface. The Special Provision Figure 1 detail shows that 1” minimum of sound concrete deck shall be removed measured to the tops of the stones (highest points) of the hydrodemolition surface. What is the correct depth of removal that is required for the work? **2.)** Also, could you please let us know what the size of the largest aggregate is in the existing concrete deck and what size “fan nozzle” is required?
- A5. **1.)** The plans do not refer to sound concrete. The plans state a minimum of 1 ½” of existing deck are to be removed and don’t refer to top of stone. The special provision Figure 1 shows the minimum dimension to any random high point after removal of the existing deck to be at least 1”. The 1” minimum dimension from existing deck grade to any high point plus the ½” grade raise is to ensure the concrete overlay has the necessary 1 ½” minimum thickness because of the minimum aggregate size in the overlay concrete. Figure 1 also shows the maximum variance between high point and low point of remaining deck to be 1”. The last sentence of the paragraph above Figure 1 states, “The hydrodemolition should

produce a reasonably uniform rough surface suitable for bonding a concrete overlay.” The ± 1 ” maximum dimension is for this statement. 2.) Largest aggregate size mixed into existing concrete should be 1 1/2” or less. Fan nozzle shall have 15-degree angle.

Q6. Special Provision 907-202-6 Figure 1 calls for a minimum of 1" and a Max ± 1 " on the Hydrodemolition. Sheet No. 8004 in the plan set calls for a minimum 1 1/2". What is the correct depth required for this project?

A6. See Answer 5.

Q7. Can MDOT please clarify the required depth of hydrodemolition? Plan Sheet 8004, Note #1 for Hydrodemo states to remove a minimum of 1.5" of existing bridge deck per SP 907-202. Figure 1 in SP 907-202 shows to remove 1" of existing bridge deck to top of peaks. Will the contractor be required to remove 1.5" to top of peaks as stated in the plans or remove 1" to top of peaks as detailed in the special provision?

A7. See Answer 5.