

Call 06 Bridge Preservation on SR 39 over Strait Creek (Bridge No. 34.7), known as Federal Aid Project No. STBG-0074-02(013) / 108846301 in Kemper County.

- Q1. 1.) Plan Sheet 8005, Note 12 states that all labor, materials, and surface preparation, including epoxy mortar repairs, shall be included in pay item 907-824-PP003 "FRP Wrap". However, Plan Sheet 8002, Note 9 states the cost of saw cutting, removing spalled or cracked concrete, cleaning exposed reinforcing steel, patching material, labor, and any misc. materials necessary to complete the repairs as shown shall be paid for on a square feet basis as Bridge Repair, Epoxy Repair. 2.) It is uncertain how much patching may be needed prior to placing FRP. MDOT has already included an item for epoxy mortar repairs paid by the square foot, so shouldn't all epoxy mortar repairs be paid for under this measurable item?
- A1. 1.) Epoxy Mortar associated with FRP wrap installation shall be included in the 907-824-PP003, Bridge Repair, Installation of FRP Wrap. For all other Epoxy Mortar repairs, Epoxy Repair will be paid for as 907-824-PP003, Bridge Repair, Epoxy Repair. 2.) No.
- Q2. Please confirm pay item 907-417-A001 PCSS (Polymer Cement Surface System) will be performed under a full road closure?
- A2. **Revised Answer:** ~~Yes.~~ See addendum. Hybrid Polymer Concrete Overlay will be performed under a full road closure.
- Q3. Plan Sheet 8002 states that bearings at Bents 1-5 shall be removed and replaced. The total quantity for this item of work is 32 each which is consistent with replacing the bearings at each beam end on the entire structure. The beam ends and bearings at the abutments (8 each) are encased in the end wall. Is it MDOT's intent to have the Contractor remove and replace the bearings at the abutments? If so, the end walls and a section of both approaches will need to be removed so the bridge can be raised at the abutments.
- A3. See addendum.
- Q4. This project specifies 907-417-1 Polymer Cement Surface System on the bridge decks. Is a 0.5" nominal overlay of 907-824-PP003 Hybrid Polymer Overlay an acceptable alternative?
- A4. See addendum.
- Q5. Plan Sheet 8002 states that bearings at Bents 1-5 shall be removed and replaced. The total quantity for this item of work is 32 each which is consistent with replacing the bearings at each beam end on the entire structure. The beam ends and bearings at the abutments (8 each) are encased in the end wall. Is it MDOT's intent to have the Contractor remove and replace the bearings at the abutments? If so, the end walls and a section of both approaches

will need to be removed so the bridge can be raised at the abutments. Is this work subsidiary to the bearing repairs?

A5. See addendum.

Q6. Addendum #3 has adjusted the quantity of bearings to be replaced to 24 each on Sheet 8002 of the plans. However, in the proposal on the summary of items and online, the quantity for the bearing replacement item still shows to be 32 each. Should this be changed to 24 each to reflect the correct numbers of bearings getting replaced?

A6. See addendum.

Q7. Will shot blasting be required prior to placing the Hybrid Polymer Concrete?

A7. Surface preparation shall be done according to the Manufacturer's recommendations. If shot blasting is required, it will not be measured for separate payment.