

Call 08 Bridge Replacement on I-20, Bridge No. 44.9B, known as Federal Aid Project Nos. BR-0020-01(216) / 105858302 & BR-0020-01(216) / 105858303 in Hinds & Rankin Counties.

- Q1. Is it acceptable to cut the 1/2" bearing pads (fixed locations) from sheets or rolls, or do they need to be individually molded? Reference bridge drawing A92.
- A1. They are required to be individually molded.
- Q2. There appears to be a discrepancy between the specification and the plans on the quantities of fixed and PTZ cameras. The specification proposal (Sheet 2-6) indicates the following pertinent line items: 1870, 907-650-A002 (9) On Street Video Equipment, Fixed Type and 1880, 907-650-A003 (3) On Street Video Equipment, PTZ. However, the plan sheet quantities don't match the specification – SQ-6 indicates 9 & 3 and SQ-13 indicates an additional 9 & 3. Are there 9 fixed and 3 PTZ cameras total, or are there 18 fixed and 6 PTZ cameras total? A similar discrepancy exists with the network switches.
- A2. Sheets SQ-1 through SQ-6 pertain to the Hinds County portion of the project. Sheet SQ-7 pertains to the Rankin County portion of the project. Sheets SQ-8 through SQ-13 are the combined totals for both.
- Q3. At Bent #13 the crash wall is below existing grade. Please provide all necessary soil data, including all information regarding the slide, necessary to design the special shoring at Bent #13 due to the active failure and railroad. Additionally please provide all design requirements of the railroad that will be required for acceptance.
- A3. The shoring is to be designed in accordance with the latest AREMA Manual for Railway Engineering. The geotechnical information can be downloaded at the following link:
<https://file-exchange.mdot.state.ms.us/dl/?f=85ceadb54191f81cc1cd48f192ed4e2096150b57>
- Q4. Where is the Filter Material Type E item used?
- A4. Type E filter material is to be used in the underdrain as shown on Working Number A112, Sheet 8114, of the Bridge Plans. The Plans indicate the used of "Modified Size 467 Coarse Aggregate". Any reference to "Modified Size 467 Coarse Aggregate" should be understood to be Type E Filter Material.
- Q5. On Permanent Sheet Piling, is painting required only on one side or both?
- A5. Painting will be required on both sides.
- Q6. Notice to Bidders No. 446, traffic is to be allowed to run on milled surface for up to 5 calendar days. General Notes sheet 6, states no traffic will be allowed to run on milled surface?

- A6. Traffic will be allowed on the milled surface as outlined in Notice to Bidders 446. The general note is to be disregarded.
- Q7. In pipe drainage structures table remarks for ID 6 - 548+76 - Class III 30" RCP 8' it states jack & bore. However bid item is normal Class 30" RCP. Is this a jack & bore item or open cut?
- A7. The pipe listed for this location may be placed with open cut installation. The jack & bore note is to be disregarded.
- Q8. In Addendum No. 1 Notice to bidders No. 2058 states that the Phase 2D Traffic Control Sheets state Street/US 51 SB/Gallatin Street to I-20 Westbound on ramp is to be closed. NTB No. 2058 limits closure to a single 21 calendar day maximum closure. This same ramp is shown as being closed in previous 2 phases (Phase 2B & 2C). The 21 calendar day maximum closure is only for Phase 2D Correct? Is there time restrictions for Phase 2B & 2C?
- A8. See addendum.
- Q9. Sheet 8003 of the plans states that Mass Concrete Provisions are required on this project and references conformance to ACI 207-1R-05. ACI-207 1R-05 does not provide specifications or provisions. Please provide the specifications that the Contractor is to adhere to pertaining to mass concrete provisions.
- A9. See addendum.
- Q10. FIB 78 and 84 Girders proposed for this project have been reviewed and I have some concerns with stability and stresses that will occur in some of the longer girders during handling and transit at beam ends. **1.)** Would MDOT and/or HNTB be open to Gulf Coast Prestress submitting optional strand patterns to accommodate these stresses? If so, please list any and all items that would be required for this item including: Calculations, Revised Plan Sheets, and any other items. **2.)** Are there any specific requirements that will be required such as specific software that will be required for the calculations? **3.)** Will revised plan sheets be required for the redesign? If so, please list the sheets that are required.
- A10. **1.)** Yes, the Department will consider alternate strand patterns. Calculations and details stamped by a Mississippi Licensed Professional Engineer will be required. **2.)** No specific software will be required. **3.)** The Department will revise the plan sheets.
- Q11. With regards to 170' FIB girders, and the lack of market information, confirm that they have been designed for tandem lifts and are stable in an independent configuration bearing cap to cap?
- A11. As indicated on sheet 8085, Note 8, it is the Contractor's responsibility to provide adequate beam stability during fabrication, transportation, erection, and deck placement. The

Contractor shall submit their lifting/stability/bracing plan including stamped calculations for review and acceptance as part of the shop drawing submittal process.