

Call 01 Reconstruction of US 49 from Florence to the Scale Area, known as Federal Aid Project No. NH-0008-03(029) / 102046301 in Rankin County.

- Q1. Sheet 8055 of the plans has a note that says "Piles at Bents no. 3L & 4L shall be HP12x53 steel." The bridge quantities only show HP14x117 piles. Will there be an item added for HP12x53 piling?
- A1. No. The note is in error and will be corrected by addendum.
- Q2. Are areas and volumes for the cross sections available? Either PDF or Excel format. Are they broken out by phases?
- A2. The information can be downloaded via the link below:
<https://file-exchange.mdot.state.ms.us/dl/?f=4dd49e92327ed2d06d071fd84dde4bae6faf350d>
- Q3. Looking through the CAD files provided in the current letting, can't find the proposed design data in any file. Have these layers been provided? What file are these layers in?
- A3. Design data, if any, is for information purposes only. The Contractor should bid as per the quantities set up in the plans.
- Q4. Is the 4" of Topsoil Stripping included in the cross section quantities?
- A4. No.
- Q5. **1.** Phase II shows a 4' separation of travel lane and the work area with plastic drums. After reviewing sheets 485 and 952 in the plans, is it the intent of MDOT to undercut, backfill and place a 3:1 safety wedge in the same day? **2.** In the high priority areas, can these areas be constructed up through the second lift of asphalt and open to traffic, with the curb and remainder of the asphalt placed at night or the next weekend? **3.** We did not see a typical on the crossovers. Do the crossovers get the same asphalt as the shoulders? **4.** Sheet 986 shows SMA 12.5mm to be placed under the guardrail. Is this your intent? **5.** Plan sheets 952 and 485 show different locations for typical placement of traffic control drums. Which is correct? **6.** Phase 2 appears to have significant constructability issues as designed in the Maintenance of Traffic Plans. With a high potential for a significant amount of undercut it and the depth of permanent construction, positive separation seems more feasible. Has any consideration be given to increasing the quantity for Temporary Impact Attenuators and the Remove and Reset Concrete Median Barrier Item? **7.** Note 4 on plan sheet 952 limits temporary conditions for drop offs to daylight hours only. Is this correct?
- A5. **1.** Yes. **2.** Yes, as long as it does not exceed one week. Furthermore, any damage to the area shall be repaired at no cost to the Department. **3.** No, crossovers will have the same pavement structure as the mainline. **4.** Yes. **5.** Sheet 485 applies specifically to Phase 2 construction. Sheet 952 is a Special Design Sheet. Both are correct. **6.** It was considered,

however, with the high number of access points required to be maintained during the project it is not feasible. **7.** No, this will be allowed at any time.

- Q6. Sheet 5A is included in the Earthwork Phase 3 Cross Section PDF provided in the Q&A but it is not shown on the tables on Sheet 110. **1.** Was it mistakenly omitted? Please clarify. **2.** Is Sheet 5A LT and RT supposed to be the same quantity?
- A6. **1.** Sheet 5A is only for Channel Excavation at Indian Creek, and was not included in the Earthwork Totals. **2.** The total quantity of 7,118 is correct.
- Q7. I wanted to verify that MDOT will be responsible for the fees to relocate the railroad crossing signals and building. I contacted the railroad and was told by them that MDOT typically sends the railroad a work order directly and they would invoice MDOT.
- A7. This work will be handled outside of the contract; however, coordination with the railroad will be required.
- Q8. 803-B001 - Conventional Static Pile Load Tests: Is the Static Load Test(s) performed on a Paid For PDA Test Pile(s)? Therefore, The Contractor does not have to Buy/Install the Piling for the Static Load Test(s) as they are already bought & driven in the PDA Test Pile. Is that correct? If not please explain.
- A8. No. If required, the Conventional Static Load Test requires a separate pile since it is conducted on an out-of-place pile.
- Q9. 803-J001 - PDA Restrike Sheet 8004 - Pile Notes: "PDA test piles shall require a 1 day and 7 day restrike unless otherwise directed by the Engineer." Question: Per Estimated Quantities (Bridge) PDA Restrike Bid Item has a lot less Each(s) then the requirements per Note. If each PDA test pile Requires 2 Each Restrikes (1 Each day and 1 Each 7 day) then the Restrikes should be double the PDA Tests. Please Explain the difference in quantity vs note.
- A9. Please see Subsections 803.04.12 and 803.04.13 on Page 932 of the 2017 Standard Specifications for Road and Bridge Construction regarding the Method of Measurement for these items. The pay item for a PDA Test Pile includes the 1-day and 7-day restrikes. The Pile Restrike pay item is used when a restrike is performed on a permanent or test pile and may be conducted with or without PDA monitoring.
- Q10. 803-D005 - H Pile Question: **1.** Does the H Pile require any coating? If it does, please specify type/spec. Question: **2.** Does the H Pile Require Pile Shoes?
- A10. **1.** No. **2.** No.
- Q11. 803 -F008 - 20" Pre-Formed Pile Hole Per Standard Specification "803.03.1.7.4.5 " a pay item and estimated quantities will be included on the plans, and the Bridge Engineer will furnish the contractor with an itemized list showing the location, size and bottom

elevation of each hole. **1.** How did you calculate the Depth of Holes on Bridge A (Left & Right) for the 16" PC Pile? I see no reference on depth on drawings. Need Estimated Length for Each Bent(s). **2.** Are these pre-formed hole, just drilled pilot holes without casing? **3.** Does the Void between the circular pre-formed hole and the PC Pile get backfill with any material? **4.** Do the Pre-Formed Pile Hole(s) in PDA Test Pile get Paid for in this Item or is it Subsidiary to PDA Test Pile?

- A11. **1.** The PDA test piles for Bridge "A" are to be driven without a preformed pile hole. Based on the results of the test pile, it will be determined if preformed pile holes will be required for the production piles and, if required, to what depth the holes will need to be drilled. **2.** Preformed pile holes will not require a casing. **3.** The void will not require backfill. **4.** When preformed pile holes are required on a PDA test pile, the hole will not be paid for separately.
- Q12. 813 -A001 - Concrete Railing Per Standard Specification 813.03.2.2 "When railing is constructed by the slip form method, placement shall be as specified in Subsection 615.03.2 Question: **1.** Can we Slip form the Bridge Rail? Question: **2.** If we slip the Bridge Rail will it be paid for as 813-A001 or 615-A?
- A12. **1.** Yes. **2.** 813-A001.
- Q13. On sheet 13 of the drawings, general note #4 states that a soil profile has been prepared for this project using samples taken from holes at the locations indicated in the test reports. Are the soil profiles and test reports available electronically so that we could review them? This will help us in determining our bid for the grading portion.
- A13. The information can be downloaded via the link below:
<https://file-exchange.mdot.state.ms.us/dl/?f=6a197446640862c41446ebd343676ff95c0da23d>
- Q14. Will the contractor be allowed to dowel into the existing caps at the bridges over Richland Creek to construct a jacking platform to raise the bridge deck?
- A14. Yes, provided that an engineering analysis performed by a licensed Mississippi Professional Engineer shows that the capacity of the existing caps is not exceeded.
- Q15. For the temporary traffic signals on Sheets 2029-2047, are the temporary controllers to be connected to the TMC or local control only?
- A15. They are not required to be connected to the TMC, and will operate as local control only.
- Q16. The earthwork quantities per phase as listed on drawings 105,107,109 & 110 do not match the contract bid items. Please clarify which one is correct.
- A16. Please refer to Footnote #17 on Sheet 59 (SQ-1) regarding pay item 203-G001, Excess Excavation.

- Q17. 803-I002 & 803 - I003 - PDA Tests Sheet 8004 - Pile Notes: "PDA test pile results for all bents must be submitted to the Director of Structures, State Bridge Engineer before permanent pile lengths will be recommended." **1.** Does the contractor have to do all the PDA test(s) on all 6 Bridges (Left & Right) before the pile lengths can be determined? Or is this a bridge by bridge determination? **2.** Sheet 8003: Bridge B: Estimated Quantities are showing PDA Test Concrete Pile on Int. Bents where there is only H Pile. Also showing PDA Test HP Steel Pile on End Bents where there is only PC Concrete Pile. Please Explain.
- A17. **1.** No, this can be done on a per bridge basis. **2.** See upcoming addendum.
- Q18. Regarding the two temporary Type 6 pedestrian signals and pushbutton assemblies, are these required to meet the APS specifications or can they be traditional ADA pushbutton assemblies?
- A18. All temporary and permanent pushbutton assemblies shall meet APS specifications.
- Q19. Note on drawing sheet no. 8055 & 8058 states "piles at bent 3 & 4 shall be HP12x53. There is no pay item for this. Please clarify if this is a misprint or a missing pay item?
- A19. See upcoming addendum.
- Q20. Temporary Traffic Signals @ 49 and 469: Phase 3: Will there be 6 wood poles added (two in median) or just 4? If just four, will the luminaires on existing median poles be relocated to the 4 corner poles? Will the radar installed in phase 1 be relocated to the new wood poles, or new radar units be required?
- A20. Four new 45' timber poles will be required for Phase 3 and existing poles (including two in median) shall be removed as shown on TTS-3. Yes, the luminaires are required to be relocated to the 4 new timber poles in corners. Yes, the radar unit used in Phase 1 can be relocated to the new wood pole for Phase 3.
- Q21. For the Phase 3 High Priority Area at Station 670+00, there is not an existing crossover that is impeded. Does this High Priority Area still require weekend work only? Can this HP work be constructed at any time, as long as it completed first?
- A21. It can be constructed at any time, but must be completed prior to Phase 3.
- Q22. **1.** Are the quantities for the Temporary Pavement Section required in Phase 1 and 2 included in the pay quantities? **2.** Plan Sheets 8005 (Bridge A Elevation), 8041 (Bridge B Elevation) and 8083 and 8084 (Bridge C Elevation) indicate that there is grading work to do underneath the bridges. What item in the contract will pay for this work?
- A22. **1.** Yes. **2.** For Bridges A and B, it will be paid under Channel Excavation. For Bridge C, it will be paid for as Unclassified Excavation.

- Q23. Are we allowed to crush the existing concrete and re-use it as Crushed Stone Base?
- A23. Please refer to Subsection 304.02.1 on Page 193 of the 2017 Standard Specifications for Road and Bridge Construction.
- Q24. Plan sheets 667 to 762 are labeled as the erosion control plans. The plan sheets don't show where the erosion control devices are to be placed. Could the department provide a list of locations for each device that matches the pay quantities? If not, would the plans submitted for the 404 permit be provided so that we could see where the Department planned on using the different devices, so we could understand what types of devices we would need and where they need to be placed.
- A24. It is the responsibility of the Contractor to submit an Erosion Control Plan for approval in accordance with the applicable specifications and contract documents. See also Subsection 107.22 of the 2017 Standard Specifications, Notice to Bidders No. 6, and Special Provision 907-107-1. The erosion control devices shown on the Summary of Quantities are for estimating purposes only.
- Q25. Static Load Tests PDA Tests 803-B001, 803-I002, 803 - I003 Sheet 8004 - Pile Notes: "PDA test pile results for all bents must be submitted to the Director of Structures, State Bridge Engineer before permanent pile lengths will be recommend." Does the contractor have to do all the PDA test(s) on all 6 Bridges (Left & Right) before the pile length be determined. Or is this a bridge by bridge determination? Can we use the Static Load Test(s) results to order the Pile Lengths. It takes a lot of days after the PDA tests results to get the piling on Job site. Thus causing delays in schedule. Sheet 8003: Bridge B: Estimated Quantities are showing PDA Test "Concrete Pile" on Int. bents where there is only H Pile. Also showing PDA Test "HP Steel Pile" on End Bents where there is only PC Concrete Pile. Please Explain.
- A25. See Answer #17. In addition, order lengths for permanent piles will be provided by the MDOT Project Engineer after MDOT analyses the Static Load Test and/or PDA data.
- Q26. May Stay in Place Metal Decking be used for the construction of the bridges on the project?
- A26. Yes.
- Q27. Will precast inlets and tops be allowed on this project?
- A27. Precast inlets will be allowed. However, all inlet tops shall be cast-in-place.
- Q28. When does the Contractor have to assume responsibility for maintenance of traffic on the project?
- A28. The Contractor shall assume responsibility on the date of the Notice to Proceed as per Subsection 105.14. All costs shall be absorbed in other items bid.

Q29. Will Joint Sealant be required for the SMA mixes?

A29. No.

Q30. Plan Sheet ITS-17 indicates the fiber is to "Connect with existing Terminal House" at the I-20 and US 49 interchange. I'm assuming this is referencing the existing MDOT communications hut. **1.** Does MDOT have an existing switch with sufficient available SFP ports to connect the fiber pairs feeding south on the new fiber trunk to equipment installed under the project? **2.** If not, is the contractor to install a new switch, what Type, and under what pay item?

A30. **1.** No. **2.** The pay item for the necessary network switch at the I-20/US 49 Hut (Referred to as "Terminal House") on ITS-17 was inadvertently omitted and added in Addendum #5. The Contractor will be required to supply the appropriate number of SFP modules to complete the connection, which should be absorbed in the cost of the switch.

Q31. The new pay item 804-A004 Bridge Concrete, Class BD shows a quantity of 2,245 CY. Should this new quantity be 2,425 CY?

A31. See addendum.

Q32. Will SIP Metal Decking be allowed to be used on the CIP box culverts?

A32. No.

Q33. In reference to question #28, will the Contractor be required to patch failed areas/potholes in the existing concrete roadway with concrete?

A33. No. The Contractor may use asphalt or a combination of crushed stone/concrete overlaid with asphalt. As per the answer to Question 28, all costs shall be absorbed in other items bid.