

Call 01 Construction necessary to Add 2 Lanes to SR 25 from SR 475 to Grants Ferry Road, known as Federal Aid Project No. STP-0056-01(075) / 104101301 in Rankin County.

Q1. On plan sheet 249 (TC-2), we understand the notes say that existing outside shoulder (7300 LF) is to be reconstructed using TS-2 and TS-3 during nighttime lane closures. These typical sections include 1' of pavement structure (6" of asphalt and 6" of crushed stone) plus 3' of undercut adjacent to the existing concrete pavement to return to existing grade. The notes say that a barrel is required when drop off exceeds 1.5". Please clarify what the maximum acceptable drop off is in these area when two lane traffic is restored during the daytime.

A1. See the upcoming addendum to the project.

Q2. The following standard drawings appear to be missing from the published plan set: GI-1 & GI-1D.

A2. Reference plan sheet 315 for GI-1D, but see the upcoming addendum to the project for GI-1.

Q3. Where is the Type 4 cast-in-place median barrier located and is it Type 4 as shown in the MDOT standard drawings mb-2?

A3. See the addendum to the project.

Q4. Regarding the 18" and 24" Class V storm sewers by the jacking or boring method: If the boring method is utilized, what is the required wall thickness of any steel casing pipe used to house the RCP carrier pipe?

A4. The steel casing wall shall be designed by the Contractor to account for loading during installation as well as soil overburden and traffic loading.

Q5. Will the contractor be allowed to cut existing mast arms, during removal process, for hauling purposes?

A5. No

Q6. According to the traffic signal pole manufacturers, some of the larger bolt circles for these poles will be larger than the steel cage used in a 36" Foundation. Will an item be added for 42" Foundations?

A6. See the addendum to the project.

Q7. On Sheet TS-13 (Detour Road) the typical section shows 3"-19 mm HT Asphalt pavement. There is no pay item for a 19 mm HT. Will this be paid for under the 19 mm ST Pay Item?

A7. See the addendum to the project.

Q8. Pay Item 1240-(642-A008) "Solid State Traffic Actuated Controllers, Type 8A" is the only item for traffic signal controllers. The plans call for 16 phase permanent cabinets and pole mounted cabinets for the temporary intersections. Is the intent for all of these to be paid for under the single item?

A8. Yes

Q9. I am assuming the sawing and sealing required will be as per the specifications, all joints will be sawed if not covered in seven days and this will be absorbed? Please confirm or advise.

A9. Yes

Q10. Addendum #1 added a pay item for 44" pole foundations. Is this correct? Typically pole foundations would be 42" or 48". We have never installed a 44" pole foundation. The cubic yard quantity would most definitely not be the same if the foundation size increases. The pay item quantity for 36" foundations is 142 cubic yards and the pay item quantity for 44" foundations is 142 cubic yards. I would recommend all Equipment poles with a 75' arm or greater be a 42" foundation. All poles less than 75' to be a 36" foundation. I counted a total of 132 Traffic Signal Heads, Type 1 LED. The Pay Item Quantity shows 128. I counted a total of 21 Traffic Signal Heads, Type 3 LED. The Pay Item Quantity shows 21.

A10. See the addendum to the project.

Q11. What locations will the Undersealing be used? Please describe if we are raising or stabilizing... What locations will the Cement Grout be used? Are we grouting all centerline through the entire CRCP on the job?

A11. Raising of bridge ends, see also notes on plan sheets 8048 & 8049. This is an estimated quantity; locations will be determined by the Engineer.

Q12. How will the contractor be required to address the difference in elevation of the roadway travel lanes when installing the 12.5 SMA lift and the 12.5 HT 'Leveling' lift at 2.5"?

A12. The contractor will be required to adhere to the max 2 1/4" centerline differential if traffic is expected to cross it. If necessary, the contractor will have to drop back and catch up the adjacent lane prior to opening to two-lane traffic. The leveling lift thickness will be variable with a max thickness per lift of 2 1/2" (per specs). If the total leveling exceeds 2 1/2", it will have to be placed in two lifts.

Q13. During phase 5 construction, will daytime operations be allowed provided that the contractor maintains 2-lane, 2-way traffic?

A13. Yes

Q14.

(1.) The MDOT Spec 907-657.02.1 for fiber optic cable is requiring the following labeling on the jacket of the cable. a. For 72 Fiber: i. Manufacturer's Name – "Optical Cable" – Mont/Year of Manufacturer – Telephone Handset Symbol – "MDOT" – "72F SM" b. For 12 Fiber Drops i. Manufacturer's Name – "Optical Cable" – Mont/Year of Manufacturer – Telephone Handset Symbol – "MDOT" – "12F SM" c. According to the cable manufacturers the labeling requested by MDOT is not typical and will require the factory to set up a specialized labeling template. This setup will be a direct cost increase to the cable price. Would MDOT consider using a standard manufacturer label to reduce the per foot cost of the cable since the cable is incased in conduit and not direct buried?

(2.) Would MDOT consider allowing the LC connector ends to be installed in the field instead of factory installed on individual drop cable rolls? This would be a direct cost reduction to MDOT in the per foot price of the 12 Count drop cable? If installed in the field the contractor would still have to provide acceptable test results to MDOT to show the ends were installed correctly.

(3.) Line Item 2280 (907-697-A001) Bluetooth Detection System, Type A a. Should this system communicate by Ethernet or cellular modem? The spec mentions both but we would like clarification which style is requested for use on this project? b. Does MDOT have drivers for any Bluetooth Detection Systems already installed in the MDOT ATMS software? If so, which manufacturer(s) has these installed? c. Does MDOT have a Bluetooth Detection System Server already installed in the local TMC in Jackson? If so, which manufacturer is the server supplied by. Also, does the current server has room for additional Bluetooth Detection Systems to be installed on it? If it does, will MDOT allow the contractor to utilize that server vs. supplying a new server at an additional expense to the project? d. Will the contractor need to supply?

(4.) Line Item 2230 (907-670-A001) ITS Radar Detection System a. Does MDOT have drivers for any ITS Radar Detection System already installed in the MDOT ATMS software? If so, which manufacturer(s) has these installed? Will MDOT need additional licenses if contractor uses already installed manufacturers if the licenses are not needed for the purpose of functionality of the device for this project?

(5.) Line Item 2060 (907-641-C001) Signal Radar Detection System a. Does MDOT have drivers for any Signal Radar Detection System already installed in the MDOT ATMS software? If so, which manufacturer(s) has these installed? Will MDOT need additional licenses if contractor uses already installed manufacturers if the licenses are not needed for the purpose of functionality of the device for this project?

(6.) Line Item 2070 (907-650-A002) On Street Video Equipment, Fixed Type a. Does MDOT have drivers for any On Street Video Equipment, Fixed Type system already installed in the MDOT ATMS software? If so, which manufacturer(s) has these installed? Will MDOT need additional licenses if contractor uses already installed manufacturers if the licenses are not needed for the purpose of functionality of the device for this project?

(7.) Line Item 2080 (907-641-C001) On Street Video Equipment, PTZ Type a. Does MDOT have drivers for any On Street Video Equipment, PTZ Type system already installed in the MDOT ATMS software? If so, which manufacturer(s) has these installed? Will MDOT need additional licenses if contractor uses already installed manufacturers if the licenses are not needed for the purpose of functionality of the device for this project?

(8.) Line Item 2250 (907-672-A002) Remove and Reset ITS Equipment a. What is the make and model of the current CCTV that will be removed and reset per the plan drawings? Information is needed in case the contractor has supply a new mounting bracket and/or device if it is damaged. b. How does the current CCTV and other ITS devices currently communicate with the TMC? c. Are the current ITS devices all in working condition?

(9.) Line Item 2120 (907-658-A005) Network Switch, Type A a. What are the current manufacturers that are supported by MDOT's ATMS/OTN software?

(10.) Line Item 2160 (907-662-A002) Video Encoder a. What is(are) the current make and model of CCTV's that the proposed new video encoder will be supporting?

A14.

(1.) We would like to keep the labeling requirement per the specification. This allows us to more quickly identify ownership of the fiber during a construction accident.

(2.) Yes. We will allow the LC connector ends can be installed in the field and inspected by MDOT personnel.

(3.) A. The Bluetooth Detection System will communicate via Ethernet for this particular job.
B. The MDOT ATMS software currently has a BlueToad Bluetooth device driver installed.
C. MDOT has an Iteris Velocity server installed at the Jackson TMC and a BlueToad server installed at the Hattiesburg TMC. There is room on the Velocity server.
D. The contractor can use the existing server opposed to providing a separate server.

(4.) A. MDOT's ATMS has Wavetronics and EIS drivers currently.
B. We do not anticipate any additional license requirements. Please verify this with Delcan/Parsons prior to bidding.

(5.) A. MDOT uses Wavetronics and EIS drivers currently.
B. We do not anticipate any additional license requirements. Please verify this with Delcan/Parsons prior to bidding.

(6.) A. MDOT uses Wavetronics and EIS drivers currently.
B. We do not anticipate any additional license requirements. Please verify this with Delcan/Parsons prior to bidding.

(7.) A. MDOT has Pelco D, Pelco 9760, Pelco D Optelecom C40, Cohu iView, Cohu iView IP, Cohu iView Helios, and NTCIP 1205 device driver protocols currently installed.

B. No further licenses are needed if the contractor uses already installed device manufacturers for this project. Please verify this with Delcan/Parsons prior to bidding.

(8.) A. Existing Cameras are Pelco Fixed or PTZ, except for Old Fannin and Lakeland Commons has Cohu

B. Existing fiber or existing wireless radio communication. C) Yes

(9.) Cisco/RuggedCom

(10.) A. Existing Cameras are Pelco Fixed or PTZ, except for Old Fannin and Lakeland Commons has Cohu

Q15. Will the contractor be allowed to work on multiple phases at the same time?

A15. If the contractor desires to deviate from the phasing shown in the plans, the contractor may submit an alternate phasing plan to the Engineer for review and approval. If the alternate plan is approved, the contractor shall be responsible for any additional cost necessitated by the phasing changes. The Restricted Area clause will still apply. In addition, if the contractor opens up a greater portion of the work than can be prosecuted and is not finishing work in a productive manner, the Engineer may require work in progress to be completed prior to opening up additional work.

Q16. Since all lanes exceeding the 2 1/4" drop at centerline must be caught up each night to insure traffic safety. Will the ride specifications be waived due to the excessive amount of joints required in the 12.5MM SMA (2 1/2" lift)?

A16. No

Q17. Because of the lower speeds, traffic signals, and traffic congestion, can a 2 1/2 inch longitudinal joint drop-off that traffic is expected to cross be allowed?

A17. Yes