

Call 01 Paving approximately 4 miles of SR 304/I-269 from SR 302 to the Tennessee Line, known as Federal Aid Project No. STP-0029-03(011) / 102556308 in Marshall County.

- Q1. Plan sheet ITS-7 indicates two separate 275 foot runs of RDS cable that appear to go nowhere and connect nothing. What is the purpose of these two sections of cable?
- A1. The 275' of cable is part of the main cable trunk line but is called out separately as it will be installed in drilled or jacked conduit under a creek.
- Q2. I have several questions and concerns about Notice to Bidders No. 4713 Traffic Management Center (TMC) Modifications. It's my understanding that the 360 Surveillance ITS Software Suite has been replaced by the Delcan ATMS software. Please confirm that we are to integrate to Delcan and not 360 Surveillance at both the Southaven Regional TMC and the MDOT Statewide TMC (Jackson). Does the Delcan system require license for the CCTV cameras, RDS, or DMS?
- A2. MDOT currently uses Delcan ATMS software. There are no device licenses under Delcan, but all ITS field devices will need to be integrated to the current MDOT ATMS software system in both Southaven and Jackson.
- Q3. It's my understanding that the Southaven Region TMC is a hybrid analog/IP system. How are the (8) video decoders to be integrated into this system? It's my understanding that the MDOT Statewide TMC is a purely IP system. Are the (8) video decoders required? If so, how are the (8) video decoders to be integrated into this system?
- A3. The cameras will be networked into the MDOT Traffic network. The 8 decoders will be used in the Southaven TMC to provide an analog signal to the video wall.
- Q4. Is it the Department's intent to put SMA on Hwy 302 as shown on TS-4 in the plans?
- A4. ~~See the upcoming addendum.~~ Hwy 302 will not receive SMA.
- Q5. Would MDOT accept a 1310nm LH optic with an Optical Budget less than 19dB, which would adequately provide this communication link? On page 302 under Section 907.658.02.1- Network Switch Requirements – item "F" states that all Optical interface equipment shall operate at 1310nm. While the Optical Blades and ports support optics that support 1310nm, is it permissible to substitute ZX optics that operate at 1550nm in Type A, Type B, Type C and Type D switches?
- A5. For this project, the Department will require 1310nm wavelength optics as the overriding requirement, and will relax the 19db requirement. The contractor will still be required to choose the correct transceivers for the project and measure the FO signal intensity at the switches, providing attenuators, as per the specifications.
- Q6. Item 907-668-E001 Traffic Signal Conduit Bank, Underground, Rolled Pipe, 2". The specs for this item states if there are multiple conduits specified then they will not be paid

for separately. However, I can find no wording that specifies that this item calls for more than the single 2" conduit. Is this correct or am I missing something.

- A6. The plan notes require some runs to have 2-2" conduits to separate power and fiber optic cable per LF of this Pay Item.
- Q7. Will a pay item for the type B equipment cabinet be added?
- A7. Yes, (7) Each. See the upcoming addendum for this project.
- Q8. Can the burn in time required on the ITS equipment extend past contract time?
- A8. No, it is included in the Contract Time.
- Q9. What is the Contractor's responsibility in crossing the Shell pipe line? For the Encroachments agreement who is responsible? Will special construction be required here?
- A9. Reference NTB #4754 in the proposal.
- Q10. In regards to the guardrail call for on DMS detail sheets, where is the pay item for it? I see gravel and asphalt pay item number but nothing on guard rail.
- A10. Guardrail quantities are included in the project.
- Q11. With regard to the demarcation or service point, is the utility company responsible for the conduit, conductors & terminators up to the demarcation point? Exactly what pay item is to include and pay for the demarcation points?
- A11. All conduit, data cable, power cable or construction charges by the Utility shall be absorbed by the Contractor to the Demarcation Point. Either overhead or underground runs may be selected by the Utility to the edge of the MDOT Right of Way. Once the run crosses into MDOT Right of Way the Contractor is responsible for conduit, wire, connections, and any incidentals for underground service not installed by the Utility to the Demarcation Point. The Contractor is responsible to investigate what will be required to connect to the nearest Utility from the Demarcation Point. The provision of Utility electrical service is an absorbed item during the project. The Department's ITS branch will establish telephone and data service on the Department's account from the beginning of service.
- Q12. With regard to the demarcation or service point, is the utility company responsible for the conduit, conductors & terminators up to the demarcation point?
- A12. See QandA # 11.

Q13. Who is to determine if the demarcation points are overhead or underground?

A13. See QandA # 11.

Q14. What is the size of the communication hut?

A14. See the addendum for this project.

Q15. Can better information be provided on pay item # 907-641-C001 traffic signal detection system?

A15. Reference Special Provision 907-641-5 in the proposal.

Q16. Within plan and spec review, I see spec on spec in relationship to "main" truck fiber conduit, Pay Item # 907-668-E001 (qty 27,780) Can this conduit be installed with an open cut trench? If so will the depth be 36"?

A16. In open row, trenching is acceptable. Existing structures, roads, driveways and drainage ways should be bored or jacked. Depth of the utility is specified in the plans and/or the Department's Standard Specifications.

Q17. Who is responsible for the ATT Ds3 communication line required to the OTN node?

A17. The Contractor will be responsible for connecting the ATT service to the OTN node. The Department will assist in this process and apply for the data service in the Department's name.

Q18. Specs are written for two (2) different fibers. Pay items only list one (1). Will 907-657.02.1 be required or will 907-657.02.02 be required? I cannot determine which fiber is required on the plans?

A18. Pay item 907-657-A is for 72 count trunk cable that is specified in section 907-657.02.1 of the Special Provision. Section 907-657.02.2 is used for fiber that will be installed in an indoor building or structure application (This section will not apply to this specific project).

Q19. Where and what are the limits that will be required to complete the Clearing and Grubbing lump sum pay item on the project?

A19. The item is setup for crossovers and other minor work that is required to complete the project.

Q20. When Addendum 1 was issued, was it the Departments intent to drop 202-B102 Removal of Guardrail 300 LF and replace it with 202-B053 Removal of Guardrail Including Posts, Blockouts & Hardware 500 LF?

- A20. See the fax letter issued for this project dated 1-24-14.
- Q21. Will it be the responsibility of this contract to clean existing silt from ditches and drainage structures that may be left from the previous contract? Will it be the responsibility of this contract to grade or repair existing washes throughout the project that were left from the previous contract?
- A21. MDOT anticipates all washes being fixed, should they not; the Department will pay for this work.
- Q22. Where are pay items 666-B028, 666-B038, and 666-B040 to be installed? I do not see them on plans?
- A22. 666-B038 is electrical power to be used as described in Note #11; however, the callout in the worksheet references it incorrectly. 666-B028 and 666-B040 are also electrical power runs not shown on the worksheets, but will be used as necessary to complete the project.