

Call 13 Installing ITS equipment on U.S. Highway 82 and U.S. Highway 49 at the Mississippi River Bridges, known as Federal Aid Project No. ITS-9999-09(029) / 106397303 & 106397304 in Washington and Coahoma Counties of Mississippi & Chicot and Phillips Counties of Arkansas.

- Q1. 1. Will a Mississippi contractor be required to have an Arkansas contractor's license to bid this project? 2. Will Arkansas do the inspection when work is ongoing in Arkansas?
- A1. **Corrected** 1. No, however the bidder will be required to conform to Arkansas' requirements when working in Arkansas. 2. No.
- Q2. Who in Arkansas do you contact about the taxes?
- A2. Call the Arkansas State Tax Commission.
- Q3. Section 904 Notice to Bidders 4376 states the sixty day burn-in period is included in the Contract Time. Section 907-656.03.2 regarding the DMS signs calls for six month burn-in period. Is the six month burn-in period also included in the Contract Time?
- A3. The six (6) month burn-in period has been revised; see the addendum for this project.
- Q4. Will there be any rescue boat required for bridge work, or any portion of bridge work?
- A4. Reference NTB 4383 entitled "Construction Operations on the River" and direct questions about Coast Guard requirements to Mr. David Orzechowski at 314-269-2382.
- Q5. Will the Department provide any geotechnical information to use in the foundation design or will the contractor be responsible for geotech?
- A5. No
- Q6. 907-664-2 Cabinet is to be NEMA 4 aluminum. Sheet 25 (page 25 – Greenville Bridge) shows enclosure mounted on existing roadway light pole assembly. Sheet 26 (page 26 – Helena Bridge) does not show enclosure location. Is there a detailed site drawing for Helena Bridge with enclosure location? Should each location be consistent and have identical mounting (pole or ground mounted) throughout project?
- A6. Yes, Working No. ITSD-7, Sheet No. 3033. RWIS Equipment shall be located in the Type B Cabinet located under the Bridge Deck on Pier 12 as shown. Refer to the plans for required installation type.
- Q7. Documents list two fixed color video cameras to capture roadway approach and bridge from RWIS tower per 907-664.02.7. Greenville Bridge is to have the camera mounted on existing roadway light pole assembly. Refer to Plan Sheet 25 (page 25 – Greenville Bridge). NOTE – Greenville Bridge Plan Sheet does not show location of camera on

drawing. Is there a drawing or site plan for where this camera is supposed to be located on the Greenville Bridge? Helena Bridge is to have the camera mounted on existing bridge structure support beam. Refer to Plan Sheet 26 (page 26 – Helena Bridge). NOTE – Helena Bridge Plan Sheet 26 shows a PTZ camera as mounted and not a fixed camera. Is the Helena Bridge to have a PTZ camera per drawing or two fixed per Documents? Can a single pan, tilt, zoom (PTZ) camera be substituted for two fixed cameras? Should each location be consistent and have identical style of cameras (fixed or PTZ) throughout project?

- A7. Bidders are to disregard Subsection 904-664.02.7. All cameras shall be located and installed in the locations indicated on the plan drawings.
- Q8. Advance warning signs for each bridge approach 907-664.02.10. Are there detailed site drawings available for the warning signs that detail site installation for each location (Natchez and Vicksburg) and to verify quantities required? Will these locations have AC power available?
- A8. Refer to Notice to Bidders No. 4413.
- Q9. Plan Sheet 3045 (page 96) shows ground-mounted cabinet for HAR 907-655.02.10. This design is different from Call 12 Plan Sheet 3019 (page 84). Can DOT advise if each HAR location will utilize the same layout and cabinet mounting and be ground-mounted or pole-mounted? Should each location be consistent and have identical mounting throughout project?
- A9. Layout and cabinet mounting may vary by location. Refer to plans for layout and cabinet mounting type required for each location.
- Q10. Per 907-655.02.8, Can DOT advise of desired HAR frequency or if adding onto existing FCC license for the state?
- A10. A new HAR frequency will be required for each specific project area of the State.
- Q11. 907-655.02.13. Plan Sheet 3045 (page 96) shows Triad Ground System for grounding HAR, however project proposal and contract documents indicate horizontal radials of heavy gauge wire or loops extending outward from base of antenna. Can the Triad Ground system be standardized for use at each HAR location? Should each location be consistent and have identical mounting throughout project?
- A11. Yes, based on site conditions. It is preferred that each location be consistent throughout the project.
- Q12. 907-655.02.18.2. One computer server will be located at Regional TMC and a second server will be located at the Statewide TMC in Jackson, MS. Can DOT advise if the total number of servers for each TMC? Will the HAR software be installed onto an existing server at each TMC or will a HAR server need to be provided separately? Will the HAR

and the RWIS software packages be loaded onto the same server at each respective TMC location?

- A12. The HAR & RWIS Software packages will be loaded onto existing servers in the TMC locations.
- Q13. 907-655.02.19. Control of beacons with pager based and cellular based controller components. Can DOT advise if both beacon controllers are needed at each sign location or if one or the other will be utilized based on what is available in each area?
- A13. The type of beacon controller utilized depends on the available service in each area. Both types are not required per site.
- Q14. In reviewing the specification section 666 for electrical cable I had a question, the spec states the cable is to be installed and installation would include all necessary items for installation, trench, conduit, ect Then looking at the plans each location is calling for a conduit (ie: 2" roll pipe). Should we include the labor, equipment, and materials as incidental to the wire, or will the conduit installation be paid for separate?
- A14. Conduit installation will be paid separately per linear foot in addition to the electric cable.
- Q15. We are reviewing the Bid documents for Project ITS-9999-09(029) / 106397303 & 304, for work to be performed in Washington and Coahoma Counties, Mississippi, as well as work to be performed in Arkansas as well. Section 904 – Notice to Bidders No. 4389, states that 37% of the work will be performed in Mississippi and 63% of the work will be performed in Arkansas. The Q & A documents for this job also state that the contractor must have a Arkansas Contractor's License to bid the work. We have the following questions: Does the contractor have to have a Arkansas Contractor's license issued prior to executing the contract? Is the Contractor's license that is required a Arkansas Electrical Contractors' license? What happens if the contractor has applied for its Arkansas Contractor's license prior to bid, and the contractor is awarded contract, but the Contractor's license is not issued prior to expiration of the time for executing the contracting with MSDOT?
- A15. It is the bidder's responsibility to inquire of Louisiana and Arkansas and to comply with the requirements of Louisiana and Arkansas when and as applicable. Bidder will not be compensated for any loss of time, expense or profits should prosecution of the work be affected by a failure to obtain the necessary licenses or certifications required. See also revised answer in QandA #1.
- Q16. Are there any specifics on working hours for the Greenville and Helena bridges? Especially Helena since it will have a lane closure.
- A16. No

- Q17. Will MDOT be supplying the absent RDS-*pages referenced in the plan sets prior to the bid?
- A17. There aren't any separate RDS plan sheets; RDS information referenced has been included on existing plan sheets.
- Q18. ITS-1, ITS-3, ITS-6, ITS-20 & ITS-22 General Note 4 indicates that AT&T backhaul connection provides communications. What level of backhaul is required E Metro, T1, DS3 or other? What backhaul service should be assumed if undesignated? This significantly affects both the cost of equipment provided and MDOT's recurring service costs. Also for ITS-28 General Note 3, the network switch type D is expected to provide this service. To the best of my knowledge, no piece of equipment exists that meets this specification (the DS3 WAN module is the issue). This necessitates the addition of a costly external DS3 router. What does MDOT advise?
- A18. **Corrected** It is the Contractor's responsibility to provide what is in the project plans and all contract documents inclusive of network switches, routers and AT&T links as described. It is intended that AT&T links and equipment shall be provided that utilize the current AT&T MPLS (i.e. Metro E) network and fiber technology. At locations where AT&T back haul is not indicated in the plans, it is upon the Contractor's responsibility to determine appropriate equipment required to establish communications; it may be assumed that additional DS3 routers be provided at these locations. This should be absorbed in the cost for the Type D switch where applicable. Cisco routers are required at all communication hut locations in the Com Hut NTB. There are DS3 interfaces available for external Cisco Routers. **Two (2) DS3 routers shall be absorbed in your bid price for 907-658-A004 Hardened Network Switch, Type D.**
- Q19. Special Provision No. 907-660-5 Section 907-660.03.2.1 – Uninterruptible Power Supply indicates mounting UPS(s) detailed by Notice to Bidders No. 2395. Neither provides quantities or details about the UPS(s). Should these be (2) 2200 AHr with Network communications as required by previous projects, are they optional, or should they meet some other specification?
- A19. The uninterrupted UPS power supply is included in the communication hut pay item. It is up to the Contractor to provide the appropriate sized UPS.