

**Call 04 Installation of Fiber Optic Cable, Signal Controller, and Software, known as
Federal Aid Project No. CM-0017-00(041) / 106852301 in Desoto County.**

Q1. Can MDOT provide the CADD/DGN files for the project.

A1. No, they will not be available prior to bid.

Q2. Where can we find the specs for the network switches? What layer switch? We need more specs to source the correct switch.

A2. Refer to Special Provision 907-658-8 in the contract proposal (Networking Equipment); the layer requirements for the switches are mentioned in Requirements for switches C-E.

Q3. In reference to pay item 907-637-B001: Does this line item include upgrading or replacing the terminal facility or complete cabinet assembly in addition to upgrading or replacing the traffic controller/conflict monitor to be FYA compatible?

A3. Controller replacement can be found in Cabinet Modifications chart (working # CMS-1, sheet # 3140). All "300" type controllers need to be replaced. Also see NTB Cabinet Modifications.

Q4. What is the dimension for the Communications Hut Vault?

A4. A communications conduit vault shall be installed at Hut locations where the communications conduit, fiber and required fiber slack coils will be stored. The vault will be formed from concrete in accordance with specifications in the MDOT Redbook. The vault walls, floors and roof shall be minimum 6 inches thicknesses. The vault shall be sized and installed as detailed in these specifications and NTBs with the inside dimensions to be the same as the inside dimensions of a Type 5 pull box, at a minimum. The vault will be accessed through a minimum 30 inch diameter manhole assembly and cover. The iron manhole cover shall be imprinted with "MDOT COMMUNICATIONS". The concrete roof of the vault shall be installed below ground level with the vault cover ring installed so that the manhole is approximately 2 to 3 inches above ground level. The communications vault will be located approximately five (5) feet from the rear side of the Hut building and in no case more than 10 feet from the building so that the conduit connecting the vault and the Hut can be minimized.

Conduit carrying fiber to and from field locations may enter the vault on any of the three sides of the vault not adjacent to the Hut. Conduit will connect the vault and provide a path for the fiber from the vault to the Hut. This connecting conduit will conform to MDOT standard Type IV (PVC). Four lines of 4-inch conduit will be provided to connect the vault and the Hut. The conduit leaving the vault shall be aligned horizontally, spaced apart from adjacent conduit sufficiently to allow proper grouting and sealing. The conduits shall be aligned and enter the vault level, straight and perpendicular to the vault wall. Minimum cover over the conduit between the vault and the Hut shall be 36 inches. The conduit shall be placed horizontally until it connects with a 90 degree long sweep as it enters the Hut vertically in the floor near the inside of the rear wall of the Hut. The conduit will be trenched and buried in accordance with the trenching detail provided in the plans.

Q5.Special Provision 907-658.02.3.2--Cellular Modem System 1) indicates that "Model and Type provided shall be pre-approved on a MDOT cellular service carrier." Where can the list of pre-approved model and types &/or carrier be found? Or which model and type from which carriers is pre-approved?

A5.No pre-approved list currently exist. The context of the statement is such that the Department will consider the equipment submitted during the submittal process, and at that point approve the equipment prior to installation.

Q6.In pay item 907-642-B002, does this modification include just upgrading or replacing the traffic controller and conflict monitor or just the controller?

A6.This includes everything that needs to be done inside a cabinet. Conflict monitor, controllers, and wiring for other devices (some devices such as BDS, Cameras, etc. are quantified separately). Replacement info can be found in Cabinet Modifications chart (working # CMS-1, sheet # 3140). Also see NTB Cabinet Modifications.

Q7.Plan sheet ITS-34 and EQ-5 both indicate (3) fixed cameras & (1) PTZ at this location. The note on ITS-34 instructs one to see Detail C on Wk. No. CCTV-2. Detail C shows (2) fixed camera & (1) PTZ. Where does the 3rd fixed camera mount - on the horizontal extension arm, on the vertical pole, or on the signal mast arm?

A7.All cameras will be installed on the vertical extension if possible.

Q8. Can MDOT provide the CADD/DGN files for the project?

A8. No, they will not be available prior to bid.

Q9. Plan sheet 27 Note 3 under ROAD CLOSURES calls for Changeable Message Signs. There is no pay item for CMS. How will they be paid for and how many will be required?

A9. Four (4) Changeable message signs (temporary) will be required and cost should be absorbed in the cost of Maintenance of Traffic. The specification/requirements for the message boards can be found at the below link:

<https://file-exchange.mdot.state.ms.us/dl/?f=f56a2f1fb19db9b7c6b7b3032904ab7e9c04a0c6>

Q10.NTB 5827 Traffic Management Center (TMC) Modifications raises several critical questions concerning the current capabilities of the existing video wall systems at Site 1 MDOT Statewide TMC in Jackson, MS. 1. Does the current video wall system at the MDOT Statewide TMC have sufficient available capacity to service the new video streams provided under this project [CM-0017-00(041) / 106852301]?

A10.Yes, the current video wall is compatible with the project.