

SECTION 905 -- PROPOSAL (CONTINUED)

I (We) hereby certify by digital signature and electronic submission via Bid Express of the Section 905 proposal below, that all certifications, disclosures and affidavits incorporated herein are deemed to be duly executed in the aggregate, fully enforceable and binding upon delivery of the bid proposal. I (We) further acknowledge that this certification shall not extend to the bid bond or alternate security which must be separately executed for the benefit of the Commission. This signature does not cure deficiencies in any required certifications, disclosures and/or affidavits. I (We) also acknowledge the right of the Commission to require full and final execution on any certification, disclosure or affidavit contained in the proposal at the Commission's election upon award. Failure to so execute at the Commission's request within the time allowed in the Standard Specifications for execution of all contract documents will result in forfeiture of the bid bond or alternate security.

Bidder acknowledges receipt of and has added to and made a part of the proposal and contract documents the following addendum (addenda):

| | | | |
|----------------------------|----------------------------|----------------------------|---------------------|
| ADDENDUM NO. <u> 1 </u> | DATED <u> 6/14/2018 </u> | ADDENDUM NO. <u> </u> | DATED <u> </u> |
| ADDENDUM NO. <u> </u> | DATED <u> </u> | ADDENDUM NO. <u> </u> | DATED <u> </u> |
| ADDENDUM NO. <u> </u> | DATED <u> </u> | ADDENDUM NO. <u> </u> | DATED <u> </u> |

| Number | Description |
|--------|--|
| 1 | Revised Table of Contents; Added NTB No. 967; Amendment EBS Download Required. |

TOTAL ADDENDA: 1
 (Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,

DATE _____

 Contractor

BY _____
 Signature

TITLE _____

ADDRESS _____

CITY, STATE, ZIP _____

PHONE _____

FAX _____

E-MAIL _____

(To be filled in if a corporation)

Our corporation is chartered under the Laws of the State of _____ and the names, titles and business addresses of the executives are as follows:

| | |
|--------------------|------------------|
| _____ President | _____ Address |
|--------------------|------------------|

| | |
|--------------------|------------------|
| _____ Secretary | _____ Address |
|--------------------|------------------|

| | |
|--------------------|------------------|
| _____ Treasurer | _____ Address |
|--------------------|------------------|

The following is my (our) itemized proposal.

MP-1182-53(003)/ 306352301000 & MP-1182-53(003)/ 306352302000
 Oktibbeha County(ies)

Revised 01/26/2016

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION
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MP-1182-53(003)/306352302 - Oktibbeha**

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PROJECT: MP-1182-53(003)/306352301 - Oktibbeha
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(REVISIONS TO THE ABOVE WILL BE INDICATED ON THE SECOND SHEET
OF SECTION 905 AS ADDENDA)

06/14/2018 11:05 AM

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 967

CODE: (SP)

DATE: 06/14/2018

SUBJECT: Radio Interconnect

PROJECT: MP-1182-53(003) / 306352301 & 302 – Oktibbeha County

Bidders are hereby advised that the following Radio Interconnect specifications will be required on this project. Work and materials not paid for under other pay items shall be included in the price bid for Pay Item Number 907-662-D002.

Radio Interconnect

Scope of Work: The Mississippi Department of Transportation desires to install wireless radios for signal and camera communications on MS 182 as indicated in the plans and described below. It shall be incumbent upon the Contractor to design and install a 100% functional wireless system capable of providing video and data to the projects sites. The Contractor shall utilize Optical and RF Line-Of-Sight radios to provide communications.

The communication system must meet the requirements of Special Provision 907-662-1, Radio Interconnect System. The system shall utilize necessary equipment to be able to provide Ethernet and Serial capability as needed.

The radios shall be installed as follows:

- One (1) Broadband Short Range Radio (Transceiver) shall be installed at MS 182 and George Perry Blvd. on the existing signal pole located in the North East Quadrant of the intersection with connection made into the existing traffic signal cabinet to the T1 circuit, camera, and signal equipment installed inside the cabinet at this intersection. All costs for the radio and necessary connections shall be paid for under 907-662-D002. If needed, to establish Optical and RF line of site and full operation of this radio network, a 10 foot traffic signal pole shaft extension may be installed at this location to mount the transceiver radio. The pole shaft shall be paid for under 907-634-B002. All power, signal, and communications already exist at this location. There is no plan sheet for this intersection since it is an existing site.
- One (1) Broadband Short Range Radio shall be installed at MS 182 and Lee Blvd. The pole in which the radio is installed should be determined in the field based on an Optical and RF line of sight analysis for the radios. This radio must be installed to communicate back to the transceiver radio installed on the traffic signal pole at MS 182 and George Perry Blvd. This radio is to provide signal communications only. Power and communications shall be established via the appropriate signal and power conduit installed as part of this project. All costs for the radio and necessary connections shall be paid for under 907-662-D002.

- One (1) Broadband Short Range Radio shall be installed at MS 182 and Old Mayhew Rd. The pole for the cameras and broadband short range radio are shown on sheet TSI-2. This radio must be installed to communicate back to the transceiver radio installed on the traffic signal pole at MS 182 and George Perry Blvd. This radio is to provide communications for the signal, 1 CCTV PTZ and 1 CCTV Fixed. Power and communications shall be established via the appropriate signal and power conduit installed as part of this project. All costs for the radio and necessary connections shall be paid for under 907-662-D002.

The RF infrastructure provided in this project must cover all intersections listed in this Notice to Bidders and connections as shown in the plans and provide communications back to the MDOT ITS Traffic Network via the existing T1 line installed in the cabinet at MS 182 and George Perry Blvd.

The Contractor is responsible for the RF link performance. If the RF coverage performance of the installed system does not meet the requirements of these specifications, the Contractor will modify the system as needed to comply. The minimum bandwidth provided per each individual link shall be the cumulative minimum bandwidth of each device type and number of each per device utilizing that link according to the following table of minimum bandwidth requirements.

| Device Type | Min Bandwidth per Device |
|---------------------------|---------------------------------|
| CCTV PTZ | 1.256 Mbps |
| CCTV Fixed | 256 kbps |
| Detection | 256 kbps |
| Traffic Signal Controller | 128 kbps |