

# **RFP Design-Build Questions & Answers**

## **Improvements to Interstate 55 Hinds County, Mississippi Project Number: DB/IM-0055-02(244)/106023-305000**

**RFP questions received as of March 12, 2015 – PART TWO\***

- 3. QUESTION: NTB 5312 DB -- MDOT Furnished Materials, Attachment C lists 22 Sign Assemblies which are furnished by MDOT and located at the Whitfield Project Office. When the original project bid, these items included Contractor Designed sign assemblies and foundations. Will these approved assembly designs and foundation designs be provided to the contractors for use or is the Design Build contractor required to resubmit assembly designs and foundation designs for these sign assemblies?**

ANSWER: MDOT will provide to the Proposers all of the shop drawings for the 22 overhead sign truss assemblies from the previous project. The shop drawings will be placed on the MDOT ProjectWise site as Informational Documents only. The Contractor may utilize and install the MDOT furnished sign truss assemblies as long as the following requirements are met:

1. The sign truss assemblies are constructed at the same station and location as shown in the MDOT provided shop drawings.
2. The Contractor's cross sections and elevations at the sign truss assembly locations must match the cross sections and elevations shown in the MDOT provided shop drawings.
3. The Contractor must construct the footings for the sign truss assemblies in accordance with the MDOT provided shop drawings.

In the event the station, location, elevation, roadway cross section, vertical or horizontal clearance, depth of footing in the ground or footing configuration for any sign truss assembly varies from the information shown on the MDOT provided shop drawings, the Contractor shall be solely responsible for furnishing and installing a new sign truss assembly. The Contractor shall also provide the required drawings and calculations for the new sign truss assemblies and foundations. These drawings shall be stamped and sealed by a Professional Engineer licensed in the State of Mississippi as per Special Provision 907-630-13 DB of the RFP.

An addendum will be forthcoming.

4. **QUESTION:** For concrete bridge pier protection, is it permissible to utilize the barrier details in the contract plans for the terminated project, NH-0055-02(218), showing two 42” high Type 3 modified barriers per Sheet Number 20/Working Number TS-11 to protect the bridge median piers and the 42” high modified Type 4 barrier (Shoulder Barrier Wall) per Sheet Number 24/Working Number TS-15 to protect piers adjacent to the outside shoulders?

*Technical Requirements, Section 15.3.2 Bridge Substructures*, indicates that concrete pier protection is required for bridges over I-55 when the horizontal clearance is less than 30’ from the travel way to the bridge pier. The pier protection must utilize a CIP concrete barrier with footing and shall be designed in accordance with Section 13.7 of the Technical Requirements.

*Technical Requirements, Section 13.7 Roadway Safety*, indicates that bridge piers shall be protected with LRFD designed barriers.

*AASHTO LRFD Bridge Design Specifications, Section 3.6.5.1*, indicates that when pier protection is to be used and the barrier is to be within 10’ of the pier, a structurally independent, crashworthy ground-mounted 54” high barrier meeting TL-5 requirements is required.

It appears that in the contract plans for the terminated project, NH-0055-02(218), the bridge piers in the median are protected by two 42” high Type 3 modified barriers per Sheet Number 20/Working Number TS-11. The piers adjacent to the outside shoulders on all the overpass bridges (except at Siwell Road) are protected using a 42” high modified Type 4 barrier (Shoulder Barrier Wall) per Sheet Number 24/Working Number TS-15.

ANSWER: Per the RFP, the Contractor shall design 42” high barriers with footings for existing bridge pier protection in accordance with Chapter 13 of the LRFD bridge design specifications.

**\*Remaining Questions & Answers will be forthcoming. Continue to monitor the website for further updates.**