



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

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NASHVILLE, TN 37243-0349
(615) 741-2848

JOHN C. SCHROER
COMMISSIONER

BILL HASLAM
GOVERNOR

December 16, 2011

ADDENDUM #5

Re: I-40, Widening from Central Pike to East of SR-109, Wilson County

**PROJECT NUMBER IM-40-5(140); 95100-0105-44, PIN 114169.00
CONTRACT NO. DB1101**

To Whom It May Concern:

This addendum modifies the RFP to clarify technical requirements, and specifications. RFP Contract Book 1 (Instructions to Design-Builders (ITDB)) and RFP Contract Book 3 (Project Specific Information), have been revised and all changes are in red.

You will only need to submit those revised sheets and forms that have been revised; you also need to submit an electronic cost proposal.

All revisions and cost proposal must be submitted no later than December 28, 2011 at 2:00 p.m., CT.

You must acknowledge this addendum by completing the "Addendum Letter Acknowledgement" screen found in the Miscellaneous Data folder of the EBS bid file within your Price Proposal and found in RFP Contract Book 2 (Design-Build Contract) on the Technical Proposal Signature Page (Form TPSP) within your Technical Proposal. It is the bidder's responsibility to notify all affected manufacturers, suppliers and subcontractors of this change.

Sincerely,

Alternative Contracting Office

**DESIGN-BUILD
RFP CONTRACT BOOK 1
INSTRUCTIONS TO
DESIGN-BUILDERS (ITDB)**

I-40

**Widening from Central Pike to East of SR-109
Wilson County- TENNESSEE**

PROJECT IDENTIFICATION NUMBER (PIN 114169.00)

PROJECT NUMBER IM-40-5(140); 95100-0105-44

DB CONTRACT NO. DB1101



September 16, 2011

Addendum #1 – October 19, 2011

Addendum #3 – November 17, 2011

Addendum #5 – December 16, 2011

Deadline for Submittal of Initial Right Of Way Acquisition	October 17, 2011 4:00 p.m., CT
Deadline for Submittal of Alternate Technical Concepts	October 24, 2011 4:00 p.m., CT.
Deadline for Response to Alternate Technical Concepts, and ROW acquisition	November 7, 2011 4:30 p.m., CT.
Deadline for Submittal of Question Requests, and Requests for QPL Determination	November 21, 2011 4:00 p.m., CT.
Anticipated Deadline for Issuance of Last Addendum	November 23, 2011 4:00 p.m., CT.
Technical Proposal and Price Proposal Due Date and Time	December 2, 2011 4:00 p.m., CT.
Issuance of modified RFP by Addendum	December 16, 2011
Modified Technical Proposal and Price Proposal Due Date and Time	December 28, 2011 2:00 p.m., CT.
Public Price Proposal Opening	December 16, 2011 2011 9:00a.m., CT.
Award of DB contract, or rejection of all proposal	On or before January 9, 2012
Anticipated Issuance of Initial Notice to Proceed	January 23, 2012

The Department will not consider any late Proposals. Proposals received after the Proposal Due Date will be returned to the unopened. The Department will not consider any Proposal modifications submitted after the Proposal Due Date. Nor will the Department acknowledge Proposal withdrawals submitted after the Proposal Due Date. Any such attempted withdrawal will be ineffective.

If the Design Builder does not submit a Proposal by the Due Date and the Department chooses to issue a new, revised, or modified RFP, the Proposal will be considered non-responsive to the requirements set forth herein. As a result, the Design Builder will not be eligible to respond to any additional RFP requests from the Department on this project.

DESIGN-BUILD
RFP CONTRACT BOOK 3
PROJECT SPECIFIC INFORMATION

TENNESSEE DEPARTMENT OF TRANSPORTATION
I-40

Widening from Central Pike to East of SR-109

Wilson County- TENNESSEE

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- The roadway construction shall be phased such ~~that two 12' traffic lanes are open at all times in each direction~~ to maintain the existing number of 12' traffic lanes in each direction in accordance with SP108B.

All median barriers shall be in accordance with the Department Standard Drawings, for Median Concrete barriers, and shall adjust the barrier shape as necessary to accommodate bridge piers, sign supports, and light poles, if any, located on the median. Median barrier wall shall be 51" single slope wall.

At the eastern project terminus, the design builder shall strictly adhere to the technical report regarding lane additions and reductions as well as the limit of median barrier wall. The median barrier wall and full depth widened template shall both end at or near log mile 10.4.

Desirable lengths according to AASHTO A policy on Geometric Design of Highways and Streets, 2004 Edition shall be used for acceleration and deceleration lanes and tapers. Acceleration lanes shall be parallel type.

The Design Builder shall replace an existing Automatic Traffic Recorder (ATR#34) located at the end of the Beckwith Road Interchange westbound on-ramp (near L.M. 5.91). This ATR presently collects traffic data for both eastbound and southbound directions. The planned improvements will require an additional ATR for collecting the eastbound traffic. Specific guidance and details for installation of the ATR's can be found in Appendix B of the Technical Report located in Appendix C.

The Design Builder shall be responsible in removing and relocating existing lighting poles or Luminaires, if required.

~~A-~~The only design exception is anticipated for the mainline shoulders at the SR-171 underpass. The Design Builder shall be responsible for preparation of the design exception request form as outlined in current edition of the TDOT Design Guidelines regarding this exception.

Upon completion of the project, the Design-Builder shall provide Alternative Contracting Office A transmittal letter and compact disc (CD) containing As-Built drawings and final foundation type, including footing elevations and lengths of individual piles, shall be furnished to the Department Alternative Contracting Office prior to final payment of funds to the Design-Builder.

The Professional Engineer in charge of the development of the Project plans shall place his seal, including signature and date, on the right side of the title sheet. All plans sheets shall contain the seal, including signature and date, of the Professional Engineer in charge of its development.

IM-40-5(140); 95100-0105-44
 PIN 114169.00,
 I-40
 FROM WEST OF SR-171
 TO EAST SR-109
 WILSON COUNTY

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Design-Build Project

For As-Built Plans and the Design-Builder Specifications following construction completion shall incorporate any changes to the Readiness-for-Construction Design Review Plans and Specifications, as well as all utility locations within ROW. As indicated in the Design Build Guidance: http://www.tdot.state.tn.us/construction/Design-Build/Design-Build%20Guidance_07-14-09.pdf

4. STRUCTURES SCOPE OF WORK

The Design-Builder shall be responsible for the design and construction of the bridge widening on I-40 over Wilson Creek. **No new construction or lane closure shall take place on the existing bridges over I-40. These include the crossings at SR-171 (Mt. Juliet Road), Beckwith Road and SR-109.**

- a. The existing dual bridges on I-40 over Wilson Creek shall be widened into a single structure.
- b. The new structure shall be wide enough to incorporate the full roadway width as presented in the functional plans.
- c. The bridge length and span arrangement should match that of the existing dual bridges.
- d. The bridge widening shall be designed using the AASHTO LRFD Bridge Design Specifications (Fifth Edition, 2010).
- e. The Design-Builder shall reference the TDOT Standard Specifications for Road and Bridge Construction (2006 Edition) for construction materials and methods.
- f. The bridge design shall use ~~integral~~ expansion abutments and shall be continuous for live loads.
- g. Use HL-93 live loading in the design.
- h. The bridge design shall include 35 psf for future wearing surface.
- i. The bridge parapet rail and median barrier must be specified according to current TDOT standards. They shall have a single-sloped face.
- j. The Design-Builder shall perform a hydraulic analysis to determine the need for deck drains and/or end of bridge drains to handle the surface water on the bridge deck.
- ~~k. The Design-Builder shall provide a mechanically grooved finish to the bridge deck.~~
- l. An applied texture finish is required on the parapet rail, cantilever slab and exterior beam. The side of the parapet facing traffic shall receive a white finish (Fed. Spec. No. 37886). All other locations are to be mountain grey (Fed. Spec. No. 36440). The exposed portions of the substructure including the wingwalls, endwalls, abutment beams, pier columns and pier caps are to be finished in mountain grey.
- m. The bridge construction shall be phased such that two 12' traffic lanes are open at all times in each direction and shall correspond with the roadway phasing.
- n. The existing dual bridge plans shall be reviewed and considered during the design of the new single structure.