

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

ROY COOPER

GOVERNOR

SECRETARY

June 8, 2017

Addendum No. 2

Contract No.: C 203965 TIP No.: I-0911A

County: Davie and Forsyth

Project Description: I-40 from west of NC 801 in Davie County to east of SR 1101

(Harper Road) in Forsyth County

RE: Addendum No. 2 to Final RFP

July 18, 2017 Letting

To Whom It May Concern:

Reference is made to the Final Request for Proposals dated May 4, 2017 recently furnished to you on the above project. We have since incorporated changes, and have attached a copy of Addendum No. 2 for your information. Please note that all revisions have been highlighted in gray and are as follows:

The second and third pages of the *Table of Contents* have been revised. Please void the second and third pages in your proposal and staple the revised second and third pages thereto.

Page Nos. 190 and 191 of the *Roadway Scope of Work* have been revised. Please void Page Nos. 190 and 191 in your proposal and staple the revised Page Nos. 190 and 191 thereto.

Page No. 322 of the *Guardrail End Units*, *Type – TL-3* Standard Special Provision has been revised. Please void Page No. 322 in your proposal and staple the revised Page No. 322 thereto.

If you have any questions or need additional information, I can be reached by telephone at (919) 707-6900.

Sincerely,

- DocuSigned by:

Ronald Elton Davenport, Ir.

F81B6038A47A442...

R. E. Davenport, Jr., PE State Contract Officer

Cc: Bobby Lewis, PE Zak Hamidi, PE

Pat Ivey, PE Tim McFadden Teresa Bruton, PE File

Website: www.ncdot.gov

Location:

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Roadway Scope of Work

shall replace all existing right of way markers / monuments damaged and / or relocated during construction.

- For all parcels, the Design-Build Team shall locate and install iron pins and caps with fiberglass markers that delineate all proposed permanent easements within the project limits. The Design-Build Team shall replace all existing permanent easement markers / monuments damaged and / or relocated during construction. In accordance with NCDOT Policy, the Department will furnish the metal caps with fiberglass markers.
- The Design-Build Team shall include all design and construction costs for the sound barrier walls listed in the I-0911A June 24, 2014 Design Noise Report and the I-0911A June 24, 2014 Design Noise Report Addendum, provided by the Department, as well as all costs associated with performing any additional geotechnical investigations necessary to design the foundations, in the lump sum price bid for the entire project. The Design-Build Team shall also include all costs associated with re-analyzing and completing a second Design Noise Report Addendum for the NCDOT and FHWA review and acceptance that 1) adheres to the 2011 Traffic Noise Abatement Policy, 2) reflects the required narrower mainline median width, and 3) incorporates the I-0911A January 9, 2017 Project Level Traffic Forecast in the lump sum price bid for the entire project. If the second Design Noise Report Addendum developed by the Design-Build Team lengthens and / or increases the square footage of the sound barrier walls listed in the I-0911A June 24, 2014 Design Noise Report or the I-0911A June 24, 2014 Design Noise Report Addendum, provided by the Department, all costs associated with the required sound barrier wall additions resulting solely from the required narrower mainline median width and / or the I-0911A January 9, 2017 Project Level Traffic Forecast will be paid for as extra work in accordance with Subarticle 104-8(A) of the Standard Specifications for Roads and Structures at the unit prices noted below:
 - ➤ The design and construction unit price for additional sound barrier wall square footage shall be \$40.00 per square foot.
 - For sound barrier walls located on the mainline shoulder, ramp shoulder or -Y- Line berm, the unit price for incidental design and construction items shall be \$105.00 per each additional linear foot. All work tasks required to design and construct the sound barrier walls on the shoulder and / or berm, including but not limited to wall envelope details, traffic control, pavement, concrete barrier, and earthwork shall be considered inclusive in the aforementioned incidental items unit price.

If the second Design Noise Report Addendum developed by the Design-Build Team shortens and / or decreases the square footage of the sound barrier walls listed in the I-0911A June 24, 2014 Design Noise Report or the I-0911A June 24, 2014 Design Noise Report Addendum, provided by the Department, all costs associated with the required sound barrier wall reductions resulting solely from the required narrower mainline median width and / or the

Roadway Scope of Work

I-0911A January 9, 2017 Project Level Traffic Forecast will be deducted from monies due the Design-Build Team at the unit prices noted above.

The aforementioned I-0911A June 24, 2014 Design Noise Report and the I-0911A June 24 2014 Design Noise Report Addendum, have been provided to the Design-Build Team to assist in their determination of anticipated additional noise impact on current receptors due to design changes. If the Design-Build Team revises the horizontal and / or vertical alignments beyond those required herein, such that greater noise impacts are possible on surrounding receptors, the Design-Build Team shall include those design modifications in the aforementioned second Design Noise Report Addendum developed by the Design-Build Team. If adjustments to, or addition of, sound barrier walls are required solely as a result of design deviations not required herein, the Design-Build Team shall be responsible for all costs associated with the adjustments and / or additions.

The Design-Build Team shall be responsible for all wall envelope details. At all sound barrier walls, the Design-Build Team shall provide 1) a four-foot berm between the wall and fill / cut slopes steeper than 6:1 and 2) a parallel concrete ditch at locations where the final grade slopes toward the wall.

General

- Unless noted otherwise elsewhere in this RFP, the design shall be in accordance with the 2011 AASHTO A Policy on Geometric Design of Highways and Streets, and 2013 Errata, 2002 NCDOT Roadway Design Manual, including all revisions effective on the Technical Proposal submittal date, January 2012 NCDOT Roadway Standard Drawings, or as superseded by detail sheets located at https://connect.ncdot.gov/resources/Specifications/Pages/2012-Roadway-Drawings.aspx, Roadway Design Policy and Procedure Manual, Roadway Design Guidelines for Design-Build Projects, 2012 NCDOT Standard Specifications for Roads and Structures and the 2011 AASHTO Roadside Design Guide, 4th Edition and 2015 Errata.
- If the NCDOT *Roadway Design Manual*, including all revisions, the 2011 AASHTO *A Policy on Geometric Design of Highways and Streets*, and 2013 *Errata*, the 2012 NCDOT *Roadway Standard Drawings* and / or any other guidelines, standards or policies have desirable and / or minimum values, the Design-Build Team shall use the desirable values unless noted otherwise elsewhere in this RFP. Similarly, in case of conflicting design parameters, and / or ranges, in the various resources, the proposed design shall adhere to the most conservative values, unless noted otherwise elsewhere in this RFP.
- Unless noted otherwise elsewhere in this RFP, the Design-Build Team shall design and construct bridge rail offsets as indicated in the NCDOT *Roadway Design Manual* or that are equal to the approach roadway paved shoulders, whichever is greater. Narrower bridge rail offsets based on bridge length will not be allowed. The Design-Build Team will not be required to widen existing bridges solely to provide the aforementioned minimum bridge rail offsets.

Construction Methods

Guardrail end delineation shall be required on all approach and trailing end sections for both temporary and permanent installations. Guardrail end delineation shall consist of yellow reflective sheeting applied to the entire end section of the guardrail in accordance with Article 1088-3 of the 2012 Standard Specifications for Roads and Structures.

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GUARDRAIL END UNITS, TYPE - TL-3

(4-20-04) (Rev. 6-6-17)

DB8 R65

Description

Furnish and install guardrail end units in accordance with the details in the plans developed by the Design-Build Team, the applicable requirements of Section 862 of the 2012 *Standard Specifications for Roads and Structures*, and at locations shown in the plans developed by the Design-Build Team.

Materials

The Design-Build Team shall furnish guardrail end units listed on the NCDOT Approved Products List at https://apps.dot.state.nc.us/vendor/approvedproducts/ or approved equal.

Prior to installation, the Design-Build Team shall submit to the Engineer:

- 1. FHWA acceptance letter for each guardrail end unit certifying it meets the requirements of the AASHTO Manual for Assessing Safety Hardware, Test Level 3, in accordance with Article 106-2 of the 2012 Standard Specifications for Roads and Structures.
- 2. Certified working drawings and assembling instructions from the manufacturer for each guardrail end unit in accordance with Article 105-2 of the 2012 *Standard Specifications for Roads and Structures*.

No modifications shall be made to the guardrail end unit without the express written permission from the manufacturer. Perform installation in accordance with the details in the plans developed by the Design-Build Team, and details and assembling instructions furnished by the manufacturer.

Construction Methods

Guardrail end delineation shall be required on all approach and trailing end sections for both temporary and permanent installations. Guardrail end delineation shall consist of yellow reflective sheeting applied to the entire end section of the guardrail in accordance with Article 1088-3 of the 2012 Standard Specifications for Roads and Structures.