



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

JAMES H. TROGDON, III  
SECRETARY

June 14, 2017

**Addendum No. 3**

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. 3 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. 3 for your information. Please note that all revisions have been highlighted in gray and are as follows:

The second page of the *Table of Contents* has been revised. Please void the second page in your proposal and staple the revised second page thereto.

Page No. 206 of the *Hydraulics Scope of Work* has been revised. Please void Page No. 206 in your proposal and staple the revised Page No. 206 thereto.

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

Sincerely,

DocuSigned by:  
  
E81B6038A47A442...  
R. E. Davenport, Jr., PE  
State Contract Officer

Cc: Bobby Lewis, PE  
Zak Hamidi, PE

Pat Ivey, PE  
Tim McFadden

Teresa Bruton, PE  
File

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increases in discharge due to the proposed project and take appropriate action to ensure that any increases are appropriately mitigated.

## **Drainage Structures**

Throughout this RFP, the term *drainage structures* shall include box culverts, cross pipes and storm drainage systems.

- The Design-Build Team shall replace all existing corrugated metal pipes within the project construction limits.
- The Design-Build Team shall develop discharges for all drainage structures based upon the future build-out land use projections. The Design-Build Team shall not include the effects of storage when computing discharges for hydraulic design and analysis for areas less than 50% impervious and / or areas without storm drainage systems. For drainage areas where impervious surfaces are greater than 50% and / or areas with storm drainage systems, routing will be allowed. EPA SWMM, USACE HMS, Win TR-20, HydroCADD or equivalent are acceptable programs for routing. A storm drainage duration of 24 hours shall be used in developing the hydrograph.

- Revise the *Guidelines for Drainage Studies and Hydraulic Design as follows:*

### **Appendix C - NCDOT Hydrologic Charts, Procedure for Urban Watershed**

If DA>100 acres; C200.3 is not applicable

- Revise the *Guidelines for Drainage Studies and Hydraulic Design as follows:*

### **Section 15.6 Temporary Encroachment in Regulatory Floodway**

Section 15.6 is not applicable on this project. The Design Build Team shall assume all liability for any flood damages resulting from the temporary encroachment.

- For all existing and proposed box culverts and pipes (including all extensions), a minimum 1.5-foot freeboard shall be required below the shoulder point during the design storm. The Design-Build Team shall not steepen slopes, reduce easements and / or reduce right of way solely to obtain the aforementioned freeboard requirement.
- Excluding the existing double barrel 8' x 8' RCBC, the existing 30" RCP, and the existing 42" RCP located at approximately Station 18+78 -L-, Station 38+52 -L- and Station 99+52 -L-, respectively, a maximum 1.2 Hw/D shall be required for all existing and proposed box culverts and pipes (including all extensions) during the design year.
- All existing and proposed storm drainage systems shall maintain a hydraulic grade line that is a minimum of 0.5 feet below the inlet rim elevation or top of junction box; and shall adhere to all other requirements as identified in Chapter 10 of the *Guidelines for Drainage Studies and Hydraulic Design*.