



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE  
GOVERNOR

EUGENE A. CONTI, JR.  
SECRETARY

April 2, 2012

**Addendum No. 1**

Contract No. C 202978  
TIP No. 17BP.9.R 34  
Counties: Davidson, Forsyth, Rowan, Stokes  
Project Description: Replacement of 9 Bridges in Division 9

RE: Addendum No. 1 to Final RFP

**April 17, 2012 Letting**

To Whom It May Concern:

Reference is made to the Final Request for Proposals dated March 19, 2012 recently furnished to you on the above project. We have since incorporated changes, and have attached a copy of Addendum No. 1 for your information. Please note that all revisions have been highlighted in gray and are as follows:

Page 53 of the *Hydraulics Design Scope of Work* has been revised. Please void Page 53 in your proposal and staple the revised Page No. 53 thereto.

Pages 69 and 70 in the *Traffic Engineering Scope of Work* have been revised. Please void Page Nos. 69 and 70 in your proposal and staple the revised Page Nos. 69 and 70 thereto.

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

Sincerely,

R. A. Garris, P.E.  
Contract Officer

**Attachments**

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
TRANSPORTATION PROGRAM MANAGEMENT  
1595 MAIL SERVICE CENTER  
RALEIGH NC 27699-1595

TELEPHONE: 919-707-6600  
FAX: 919-212-5711

**WEBSITE:**  
WWW.NCDOT.GOV

**LOCATION:**  
CENTURY CENTER COMPLEX  
ENTRANCE B-1  
1020 BIRCH RIDGE DRIVE  
RALEIGH NC 27610

Addendum 1, Replacement of 9 Bridges in Division 9

Page 2 of 2

April 2, 2012

RAG/tab

Cc: Mr. Victor Barbour, PE  
Mr. Rodger Rochelle, PE  
Ms. Teresa Bruton, PE

Mr. Pat Ivey, PE  
Ms. Virginia Mabry

**HYDRAULICS DESIGN SCOPE OF WORK** (12-01-11)

The Design-Build Team shall be required to do the following:

- Employ a prequalified private engineering firm to perform hydraulic design for all work required under this contract.
- Attend a Hydraulic pre-design meeting prior to the first hydraulic submittal.
- Design the Storm Drainage using Geopak Drainage.
- Provide a *Stormwater Management Plan* using the most current NCDOT Best Management Practices where applicable.
- Design the stormwater drainage so that no permanent Right of Way or Drainage Easement is required on the Western (park) side of the Bridge No. 280431 site.
- At Bridge No. 840115 project site the Design-Build Team shall also design and construct the replacement for the existing 42" x 72" CMP under SR 1908 on the south approach to the bridge.
- Provide Bridge Survey Reports as required by NCDOT Hydraulic Guidelines stated below.
- Design the structure at each bridge location to meet the requirements of the Memorandum of Agreement (MOA) between NCDOT and NC Floodplain Mapping Program (NCFMP) approved March 2009 for the Department's submittal to FEMA. In the event an MOA cannot be achieved, the Design-Build Team shall be responsible for preparing a CLOMR package; however, the Department will be responsible for all fees associated with the submittal of CLOMR, and subsequently LOMR, packages. The Department will not allow direct contact between the Design-Build Team and the representatives of NCFMP and their contractors either by phone, e-mail, or in person without the State Hydraulics Engineer or his designee(s) present. The Department will review with NCFMP the eligibility for the MOA at their monthly meeting. The MOA Package with the accepted Bridge Survey Report for each site shall be submitted for review one month prior to the meeting. A member of the Design-Build Team may attend this meeting. The Design-Build Team shall recognize that the MOA allows for as much as one hundred eighty (180) days for approval once an accepted MOA Package has been submitted by the Department to NCFMP. No construction activity shall occur in FEMA regulated floodplains until the MOA package (or CLOMR) for the specific site has been approved by the NCFMP. The Department will be responsible for all fees associated with the submittal of MOA Packages.
- At Bridge No. 280424 the presence of existing culverts which overtop along NC 8 require that the Design-Build Team model the site as an hydraulic opening and submit to NCFMP for an MOA. No culvert reconstruction work is required.

removed. The distance, in feet, between drums shall be no greater than twice the posted speed limit (MPH).

The Design-Build Team shall be responsible for providing proper connection between the existing bridge rail and the temporary barrier system and include this information in the appropriate plans.

## **G. TRAFFIC CONTROL DEVICES**

The Design-Build Team shall use traffic control devices that conform to all NCDOT requirements and are listed on the Approved Products List. The Approved Products List is shown on NCDOT's Work Zone Traffic Control website at <http://www.ncdot.org/doh/preconstruct/wztc/>. The use of any devices that are not shown on the Approved Product List shall require written approval from the Transportation Management Director.

Place Type III barricades, with "ROAD CLOSED" sign R11-2 attached, of sufficient length to close entire roadway. Stagger or overlap barricades to allow for ingress or egress.

## **II. PERMANENT SIGNING**

The Design-Build Team will replace any existing signs damaged by construction operations. The signs shall be furnished and installed by the Design-Build Team according to NCDOT's specifications.

## **III. FINAL PAVEMENT MARKING PLANS**

### **General**

Prepare Final Pavement Marking Plans in accordance with the latest edition of the *Manual on Uniform Traffic Control Devices (MUTCD)* and the *NCDOT January 2012 Roadway Standard Drawings*.

### **Final Pavement Marking Plan Requirements**

Develop Pavement Marking Plans that maintain all types of traffic (motorists, bicyclists, and pedestrians within the highway, including persons with disabilities in accordance with the Americans with Disabilities Act of 1990 (ADA), Title II, Paragraph 35.130) as defined by the *Manual for Uniform Traffic Control Devices (MUTCD)*.

NCDOT's *January 2012 Roadway Standard Drawings* – Section 1200 pertain to pavement markings and markers and shall be utilized.

Use thermoplastic pavement markings and paint marking products that conform to all NCDOT's requirements and specifications and are listed on the Department's Approved Products List. The use of any devices that are not shown on the

Approved Product List shall require written approval from the Signing and Delineation Unit.

Install pavement markings in accordance with NCDOT's *January 2012 Standard Specifications for Roads and Structures* and in accordance with the manufacturer's procedures and specifications.

Install pavement markings on the final surface as follows:

<u>Road Name</u>	<u>Marking</u>
-L- lines	Thermoplastic on bridges with asphalt overlay excluding Bridge Nos. 790076 and 280303.
-L- lines	Paint on Bridge Nos. 790076 and 280303.
*Bridge Decks (Concrete)	Cold Applied Plastic (Type II or III)

Tie proposed pavement marking lines to existing pavement marking lines.

\* Remove all residue and surface laitance by acceptable method prior to placing pavement marking material.

The Design-Build Team shall install temporary pavement markings on the interim surface or temporary pattern as follows:

<u>Road</u>	<u>Marking</u>
All Roads and Existing Structures	Minimum of Paint
Proposed Structures	Temporary Tape

Place at least two applications of paint for temporary traffic patterns that will remain in place over three (3) months. Place additional applications of paint upon sufficient drying time, as determined by the Engineer.

Tie proposed pavement marking lines to existing pavement marking lines.

Replace any pavement markings that have been damaged by the end of each day's operation.

Remove any conflicting markings or markers before shifting traffic to a new pattern.