



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

July 28, 2003

**Addendum No. 2**

RE: State Project: 8.1493601,(B-3174) 8.1493901,(B-3272)  
F. A. No. BRNHF-29 (15), BRNHF-29 (18)  
Guilford County  
Bridge on US-29/70/220 over NC-6 and Bridge on  
SR-3000 over US-29/70/220.

To Whom It May Concern:

Reference is made to the final "Request for Proposal" (RFP) recently furnished to you on the above mentioned project.

Page No. 90 the Scope of Work 'Signing Location' has been revised. Please void Page No. 90 in your proposal form and staple the revised Page No. 90 thereto.

Sincerely,

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

RAG/mwl/pa

cc: Mr. J. D. Goins, PE                      Mr. Davenport, Jr., PE  
Ms. D. M. Barbour, PE                    Ms. Kim Canady  
Mr. S. D. DeWitt, PE                      Ms. Yang Steelman  
Mr. J. M. Mills, PE                        Technical Review Committee Members  
Mr. J. V. Barbour, PE

2002), the NCDOT Roadway Standard Drawings (January 2002) for the design and development of signing plans, the Standard Specifications for Structural Supports for Highway signs, Luminaires, and Traffic Signals published by AASHTO, and the contract requirements for Signing plan design and preparation including specific submittal requirements for department review (attached).

### **Specific Signing Items:**

**Description of Work:** The DB team will design and construct four overhead sign assemblies on US 29/70/220/421 for the exit ramps and loops to NC 6 (E. Lee St.). The firm will also design and construct ground mounted signing warning for vehicular deceleration onto the eastbound NC 6 (E. Lee St.) exit loop from southbound US 29/70/220/421.

**Vehicle Deceleration Sign Placement:** The DB team shall determine the appropriate signing messages (exit loop speed, distance to loop, etc.), sign locations to accommodate advance warning for vehicular deceleration, and design and construct the signs and supports for the southbound US 29/70/220/421 exit loop to eastbound NC 6 (E. Lee St.).

**Signs Furnished by Design Build Team:** The signs will be furnished by DB team according to the specifications provided by the department.

**Sign Design:** The DB team will be responsible for all type A and B sign designs for overhead and ground mounted signs. The new sign messaging should be consistent with the messaging on the existing signs. Signs will be designed to accommodate future messages when necessary. The DB team will be responsible for determining, sizing, and locating type E (warning and regulatory signs).

**Sign Locations:** The DB team will be responsible for determining the station locations for all overhead sign structures. The sign structures should be placed at or just in advance of the point of curvature for their appropriate exit ramp and loop. The DB team also must coordinate with known existing and future projects to avoid sign placement in locations where their usefulness will be short-lived.

**Overhead Sign Assemblies:** All overhead sign assemblies will be designed and fabricated by the DB team and must meet all department design requirements. The coordination with future projects should be considered when designing and fabricating overhead sign assemblies. The DB team is responsible for performing any structure analysis on any existing overhead sign assembly structure that has been modified for reuse. The windspeed for use in the design is 90 MPH and the windload area is the rectangular area figured from 25% larger than the highest sign on the assembly and extended 4' from the left and right furthest edges of the signs on the assembly. Examples of these structure line drawings completed for other projects will be provided on FTP showing this and other required information on these design drawings. See