

## **Garden Parkway-East (U-3321C&DA) Intelligent Transportation System Design Firm Request for Approval**

The Intelligent Transportation System (ITS) design firm must be pre-approved, in writing, by the NCTA. This approval is in addition to any NCDOT prequalification or required licensure. Only the lead ITS firm is required to be pre-approved; other firms may participate in the ITS effort without obtaining pre-approval.

Request for Approval shall demonstrate the ITS design firm's recent experience and knowledge in the following areas:

- . Integration of ITS into a toll system
- . Toll system facility design (hubs, buildings, gantries, etc.)
- . Leased commercial communications
- . Freeway management system design
- . Familiarity with NCDOT ITS design standards and practices
- . Integration of ITS into a local/regional transportation management center

At a minimum, the following must be contained in the Request for Approval:

1) Identify three ITS projects designed by the ITS Design firm in the last three years. The identified projects should relate to the individual ITS elements and the scale of the Garden Parkway-East Project. These projects should contain as many of the following elements as possible:

- . Sealed plans and requirements/specifications,
- . ITS device (dynamic message signs, CCTV, detection stations, etc.) specification and location for freeway applications,
- . Design of fiber-optic cable plant,
- . Integration of ITS software,
- . Transportation management center outfitting, design or upgrade, and
- . Integration of ITS into a toll system.

2) Identify the proposed ITS Engineer of Record and demonstrate he/she:

- . Has been in responsible charge of at least two ITS projects (as defined above) within the last five years
- . Has at least ten years of experience in ITS and/or Traffic Engineering

3) Provide one-half page resumes of three key project team members, including the ITS Engineer of Record.

4) Provide three references, including email addresses and phone numbers, from ITS projects (as defined above) completed no less than three years ago. The references shall have familiarity with the staff and projects referenced in the Request for Approval.

The Request for Approval is limited to ten pages and shall be 12 point font, single spaced on 8-1/2" x 11" pages. The Request for Approval should be submitted in PDF format compatible with Adobe® Reader. Direct Request for Approval to the following email address:

[designbuild\\_GardenParkwayEast@ncdot.gov](mailto:designbuild_GardenParkwayEast@ncdot.gov)

The Request for Approval shall list the name, address, email and phone number of the primary ITS firm contact for notification when a Pre-Approval decision is reached.