

**Monroe Connector/Bypass  
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.

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 (3) ITS projects designed by the ITS Design firm in the last three (3) years. The identified projects should relate to the individual ITS elements and the scale of the Monroe Connector/Bypass 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 they:

- Have been in responsible charge of at least two (2) ITS projects (as defined above) within the last five (5) years
- Have at least 10 years of experience in ITS and/or Traffic Engineering

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

4) Provide three (3) references, including email and phone numbers, from ITS projects (as defined above) completed no less than three (3) years ago.

Request for Approval is limited to ten (10) pages and shall be 12 point font, single spaced on 8 1/2" x 11" pages, Request for Approval should be submitted in PDF format compatible with Adobe® Reader. Direct Request for Approval to the following email address: [designbuild\\_monroe@ncturnpike.org](mailto:designbuild_monroe@ncturnpike.org).