

R-2404A Project Synopsis

- TIP Project R-2404A (Windsor Bypass) is a 4-lane freeway on new location from US 13-17 to East of SR 1503 (Davis Road). The project is located in Bertie County.
- The State FEIS was approved August 29, 2003. The State ROD is expected in June 2004. Copies of the SFEIS and SROD will be provided to the short-listed teams.
- The general scope of work consists of constructing a 4-lane freeway on new location from US 13-17 to East of SR 1503.

Public Involvement

- The Design-Build Team will coordinate with the Division 1 office and the Construction Unit during construction to keep the public informed of lane closures, traffic shifts, construction progress, etc.

Roadway Design

- Design and construct US 17 (Windsor Bypass) from US 13-17 to East of SR 1503 (Davis Road). The widening portion of the Windsor Bypass where partial control of access is proposed should be designed to Rural Arterial standards using 60 mph design speed. The new location portion with full control of access should be designed as a Freeway using 70 mph design speed. All designs shall follow the approved design criteria as provided by NCDOT.

Structure Design

- The Design Build Team shall be responsible for designing and constructing the following:
 - Dual Bridges on US 17 (Windsor Bypass) over US 13
 - Dual Bridges on US 17 (Windsor Bypass) over Cashie River
 - Bridge on SR 1300 (Greens Cross Road) over US 17 (Windsor Bypass)
 - Bridge on SR 1001 (Wakelon Road) over US 17 (Windsor Bypass)

Designs shall be in accordance to current AASHTO and NCDOT standards.

Hydraulic Design

- The Design-Build Team shall be responsible for storm drainage design and Bridge Survey Report for Cashie River. The team will be responsible for conducting the 4B and 4C agency meetings and providing minutes to the department. The team will prepare permit impact sheets and stormwater management plan. The team will provide all data needed to acquire the state stormwater permit.

Pavement Design

- Final pavement designs will be provided by the Department.
- The Design-Build Team will be responsible for the design of all detour pavements and for evaluating the existing shoulders regarding their suitability for carrying traffic during construction (if necessary).

Signing

- Signing will be required and will be the responsibility of the Design-Build Team.

Erosion Control and Sediment Control

- All erosion control designs will be the responsibility of the Design-Build Team.
- The erosion control plan will be prepared using NCDOT and NCDENR standards and will be reviewed and approved by the Roadside Environmental Unit.
- The Design - Build Team must have a designated erosion control person on the project at all times during construction.

Signals

- The Design-Build Team shall design and construct plans as needed for traffic signal installations. There are two locations to be upgraded: US 13 Bypass at NC 308 and US 13-17/US 13 Bypass at US 17.

R/W Utilities, Conflicts and/or Construction Work

- The Design-Build Team will be responsible for all utility conflicts and utility construction plans.
- The Design-Build Firm shall obtain the services of a firm pre-qualified by NCDOT and knowledgeable in the Utility Coordination Process involved with utility relocation/installation and highway construction. The Design-Build Firm shall be responsible for coordinating all utility relocations. Coordination shall include any necessary utility agreements when applicable. The firm will be responsible for non-betterment utility relocation cost when the utility company has prior rights of way/compensable interest. The utility company will be responsible for the relocation cost if they cannot furnish evidence of prior rights of way or a compensable interest in their facilities.

Right of Way Acquisition

- The Design-Build Team will be responsible for right of way acquisition including all necessary services to perform appraisals, appraisal review, negotiation and relocation. The team will deliver all documents necessary for the settlement of claims and the recordation of deeds, or necessary for condemnation proceedings.

Geotechnical Engineering

- The Design-Build Team will be responsible for foundation design reports for use in designing structure foundations, roadway foundations, retaining walls, sound barrier foundations and temporary structures. The Team will determine if additional subsurface information is required and perform any additional subsurface investigation and laboratory testing.
- If any UST's are discussed within the proposed right-of-way, it will be the responsibility of the Design-Build Team to contact the Geotechnical Unit and arrange for their removal.

Traffic Control and Pavement Marking

- The Design-Build Team will be responsible for developing the Traffic Control and Pavement Marking Plans.

Permits

- The Design-Build Team will be responsible for obtaining all necessary environmental permits for this project.

Construction Survey

- The Design Build Team shall be responsible for all construction surveying necessary to design and construct this project.