

I-3311D Project Synopsis

- TIP Project I-3311D is the widening of northbound I-77 from north of the I-485 interchange to SR 2136 (Gilead Road -Exit 23). This project is located in Mecklenburg County.
- Planning studies have been completed. The Environmental Assessment (EA) was approved June 2001. The Finding of No Significant Impacts (FONSI) was approved September 2001. Copies of the EA and FONSI will be made available to the short-listed teams.
- The general scope of work consists of widening the northbound travelway of I-77 from north of the I-485 interchange to SR 2136 (Gilead Road -Exit 23), a distance of approximately two miles.

Public Involvement Work:

- The Design-Build Team will need to work with the Division 10 Office and the Construction Unit during the construction of the project to keep the public informed of lane closures, construction progress, etc.

Roadway Design Work:

- Design I-77 from north of the I-485 interchange to SR 2136 (Gilead Road – Exit 23). Widen the existing divided facility by providing for one additional northbound lane in the median. In addition to this new 12-foot lane, the resulting typical section shall have a 14-foot median shoulder; 12 feet of which will be a full depth paved shoulder. The resulting typical section shall be constructed the full length of the project. The southern terminus of the project shall be the end of the existing northbound three-lane section. The northern terminus of the project shall be the Gilead Road – Exit 23 / I-77 interchange.
- Design and construct a modification to the existing northbound I-77 off ramp onto Gilead Road. Modify the existing off ramp to an Exit Only lane that drops the outside I-77 lane.

Structure Design Work:

- One culvert modification may be required.

Hydraulics Work:

- The Design-Build Team shall provide a median drainage design and analysis of existing crosspipes.

Pavement Design Work:

- Final pavement design will be provided.
- Temporary pavement designs for detours or temporary widening will be the responsibility of the Design-Build Team.

Location Surveys Work:

- Electronic surveys are completed and will be available to the selected Design-Build Team.
- Existing utilities are located and are included with the survey data. Any additional SUE work will be the responsibility of the Design-Build Team.
- Any structure surveys will be the responsibility of the Design-Build Team.

Geotechnical Investigations:

- A geotechnical investigation package will be provided to the short-listed teams. The package will include borings at select locations along the roadway. Any additional geotechnical work will be the responsibility of the Design-Build Team.

Erosion Control Work:

- 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.

Lighting

- Lighting will be designed by the NCDOT, but installed by the Design-Build Team

Signing Work:

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

Traffic Control and Pavement Marking Work:

- Traffic Control Plans will be developed by the Design-Build Team.

R/W Acquisition:

- No additional right of way will be acquired as part of this project.

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 Team 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 can not furnish evidence of prior rights of way or a compensable interest in their facilities.
- Any additional SUE work will be the responsibility of the Design-Build Team.

ITS Work:

- The Design-Build Team will be responsible for ITS work.

CEI Work:

- Design-Build Team will be responsible for CEI work.

CONSTRUCTION COSTS:

- The latest estimated construction cost for the project is \$5,500,000.