

I-5912 Synopsis
Yadkin & Surry Counties
February 01, 2018

General

This project will consist of concrete pavement replacement along I-77 from the existing construction joint (approx. mile marker 78.4) just south of US 21 (Exit 79) in Yadkin County to Mile Marker 83.4 in Surry County including loop and ramp repairs at the US 21 BUS interchange (at Exit 79) and the NC 67 interchange.

The contract will also likely include areas of subgrade preparation. Existing pavement will be replaced with concrete. The anticipated areas and lanes of pavement replacement are shown in the attachment to the synopsis.

Planning

The Department will develop and provide the CE checklist for the project.

Roadway

Roadway plans will be the responsibility of the Design-Build Team. The Department will provide concrete slab repair areas on the ramps and the pavement design.

Traffic Management

The Design-Build Team shall develop and implement the Transportation Management Plans. A list of parameters, such as lane closures, time restrictions and general guidelines will be provided in the Request for Proposals.

Hydraulics

The Design-Build Team shall be responsible for all temporary drainage accommodations as well as incidental permanent drainage design that may be a part of the contract.

Geotechnical

The Department will provide a geotechnical pavement design investigation report for this project. The Design-Build Team shall be responsible for all geotechnical recommendations, as well as any necessary supplemental investigations.

Erosion and Sedimentation Control

The Design-Build Team shall be responsible for all erosion control designs and implementation.

Pavement Markings

The Design-Build Team shall develop Pavement Marking Plans and install all required temporary and permanent pavement markings and markers.

Signing

The Design-Build Team shall be responsible for replacement of any signs damaged during construction.

Right-of-Way and Utilities

No acquisition of right of way is anticipated.

The Design-Build Team will be responsible for the coordination of all utility relocations necessary for construction. It is anticipated that the cost of utility relocations will be paid by the utility owners or the Department.

Surveys

The Department will provide initial survey information pre-bid. The Design-Build Team shall be responsible for any supplemental location and construction surveys.

Construction Engineering Inspection

CEI on all contracts will be performed by the Department or its agent.

Provided Materials

The Department will provide surveys, geotechnical recommendation for pavement design, areas of concrete slab repair, a pavement design, and a Categorical Exclusion Checklist.

Compensation

To reduce the amount of work necessary to be performed pre-bid by the Design-Build Teams, and to ensure to the greatest extent possible that all Design-Build Teams are bidding on similar designs, the Department will include an estimated concrete slab repair area line item. The Design-Build Team will then bid a unit price for this pay item quantity.

A lump sum item will most likely be included to provide for all design work and other ancillary construction work including, but not limited to, supplemental investigations, drainage, erosion control, traffic control, etc.