

Synopsis
I-5766, Forsyth County
December 15, 2016

General

This project will consist of concrete pavement replacement along I-40 from east of NC 150 to NC 109 in Winston-Salem including loop and ramp repairs at the US 52 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.

It is anticipated that some pavement reconstruction will need to occur under short term lane closures (nightly/weekend) however the use of precast concrete slabs will not be allowed.

Planning

The Department has an approved Programmatic Categorical Exclusion for the project.

Roadway

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

Traffic Control

The Design-Build Team shall be responsible for all traffic control plans. At this time the general traffic control restrictions are as follows:

- Reducing I-40 to a single through lane (closing 2 lanes) in each direction on most nights and weekends.
- Reducing I-40 to two through lanes (closing 1 lane) in each direction for the duration of the work in that direction.
- Closing Ramps and loops on most nights and weekends. The Department will address other possibilities for ramp and loop closure 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.

Signing and Pavement Markings

Pavement marking plans and temporary signing will be the responsibility of the Design-Build Team.

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.

Railroad Coordination

The Design-Build Team will be responsible for coordinating and supplying any insurance that may be required by the railroad and any agreements as may be necessary.

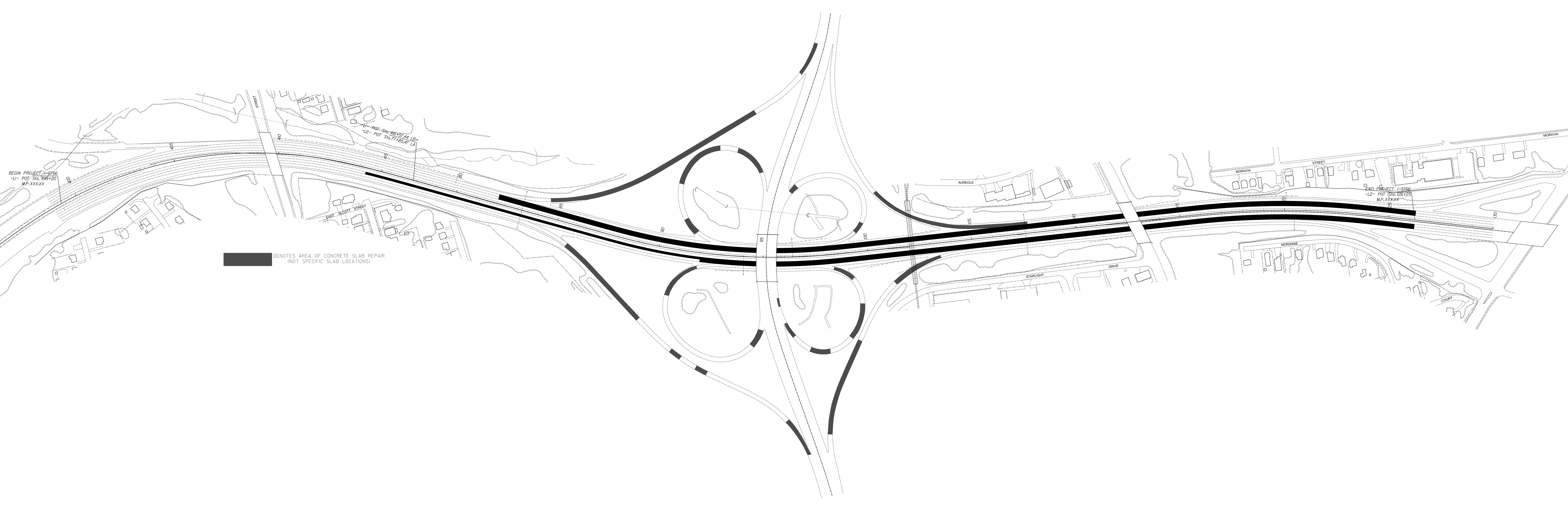
Provided Materials

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

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 and subgrade stabilization line items. The Design-Build Team will then bid a unit price for these 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.



■ DENOTES AREA OF CONCRETE SLAB REPAIR
(NOT SPECIFIC SLAB LOCATIONS)

BEGIN PROJECT 1-5766
-L1- POT Sta. 399+20
M.P. XXX.XX

-L1- POT Sta. 415+97.44 LB=
-L2- POT Sta. 77+85.47 LA

END PROJECT 1-5766
-L2- POT Sta. 126+25
M.P. XXX.XX

STREET

EAST ALCOTT STREET

AUREOLE

STARLIGHT

DRIVE

MORAVIA

STREET

MORISNIE

COURT

MORAVIA

30

35

40

45

50

55

60

400

450

500

550

600

650

700

750

800

850

900

950

1000

1050

1100

1150

1200

1250