

## **NORTH CAROLINA** Department of Transportation



## **Project Scoping Initiatives**

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# **Current Initiatives**

# **Express Design Evaluations**

# **Project Scoping Reports**

### ncdot.gov

### **Express Design Evaluation**

- Project Initiation
- Designs & Quantities
- Cost Estimates
- Environmental Features Map

## **Express Design Submittal**

### SPOT

### **Project Scoping Reports**

- Project Review
- Environmental Screening & Checklist
- Documentation
- Traffic Forecast

**Project Scoping Report** 

## **Express Design Evaluation**

Kickoff Meeting Data Collection Environmental Features Mapping

> Preliminary Coordination

Horizontal Concepts

Vertical Concepts

Conceptual Design Maps

Quantities

Construction, Utilities, ITS Estimates Right of Way Estimates Express Design Evaluation

Summary

EXPRESS DESIGN EVALUATION - SUMMARY									
SPOT ID: H170852	FACILITY: SR 1255 HUDSON BLVD. DIVISIO EXTENTSION		DN: 12	FIRM: HNTB CORPORTATION					
	EXISTING FACILITY CHARACTERISTICS:		PROPOSED FACILITY CHARACTERISTICS:						
	Existing No. of Lanes: 4 Existing Median: Yes Existing control of access: No Control Partial Control Limited Control Full Control ADT (2016): Hudson Blvd (SR1255): 7900 ypd Davis Park Rd (SR1136): 12000 ypd Chapel Grove Rd (SR1128): 6200 ypd Structures: Culvert(s) Bridge(s)		Proposed No. of Lanes: Alt 1: 2 Lanes with turn lane improvements, Alt 2: 4 Lanes with turn lane improvements Addition of Median(s): Yes Proposed control of access: No Control Partial Control Limited Control Full Control ADT: TBD Structures: Culvert(s) Bridge(s) Alt 1 New Structure: 100' L x 87.5' W, Alt 2: 100' L x 116'W						

PROJECT DESCRIPTION: (Include project scope and location, including Municipality and County. Refer to the attached project location map and photos.)

Project H170852 is located in Gastonia, NC (Gaston County). This project includes extending SR 1255 Hudson Boulevard from SR 1136 Davis Park Road to SR 1128 Chapel Grove Road. Two alternatives were developed. Alternative 1 includes a 17' 6" raised median, 5' bike lanes, 5' sidewalks, new traffic signals, striping and 2-12' lanes. Alternative 2 includes a 23' raised median, 5' bike lanes, 5' sidewalks, new traffic signals, striping and 4-12' lanes. Reference attached roll plots for design.

#### COST ESTIMATES:

Right of Way: XX,XXX,XXX

Utilities: XX,XXX,XXX

Construction: XX,XXX,XXX

### FINDINGS AND RECOMMENDATIONS:

Note recommended document type and summarize findings from Screening Checklist. Based on the preliminary environmental screening there may be endangered and threatened species along within the project limits which requires a formal consultation with U.S Fish and Wildlife Service (USFWS). This project crosses Crowders, Creek within 100 year flood plain. This project will impact 2 residential properties, one property will be minimally impacted, while another will require a driveway reconstruction. No residential properties will require relocations. This project will also impact 2 commercial properties. One impact will be relatively minor while another will impact parking at a local business.

## **Project Scoping Reports**

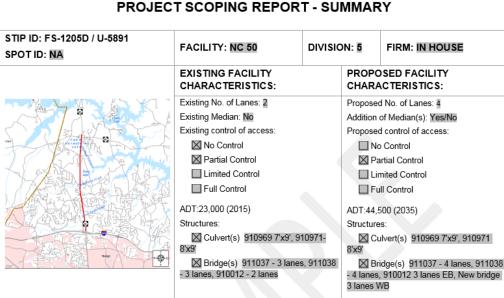
Coordination with MPO/RPO, Division & Project Delivery Teams

> Update Data, Conceptual Design & Costs

Update Environmental Features Mapping

> Project Scoping Screening Checklist

Traffic Forecast ation Request Technical Report Summary Support Documents



**PROJECT SCOPING REPORT - SUMMARY** 

PROJECT DESCRIPTION: (Include project scope and location, including Municipality and County. Refer to the attached project location map and photos.)

The proposed project FS-1205D would implement widening of NC 50 Creedmoor Road to four lane divided curb and gutter, 14 ft outside lanes, 11 ft inside lanes, with 16 ft raised median from just south of I-540 to north of NC 98 in Raleigh. Wake County, Division 5.

#### PRELIMINARY PURPOSE AND NEED:

Is there preliminary information on the purpose and need for the project included in a CTP, LRTP, or other study? If yes, summarize.

NC 50 as a two-lane highway is operating over capacity. The existing volumes (2015 AADT) between I-540 and NC 98 range from 17,000 to 23,000 vehicles per day (ypd). Maximum capacity for a Rural two-lane highway level of service D in the Piedmont is approximately 12,400 ypd, NC 50 is well over capacity. The purpose of the project is to improve safety, access and mobility, and Level of Service on the project segment of NC 50 by widening to at least 4 lanes. This project is included in the 2040 Campo Metropolitan Transportation Plan (Project A444).

#### COST ESTIMATES:

Right of Way: \$3,634,000

Construction: \$79,500,000

Utilities: \$1,517,000

#### FINDINGS AND RECOMMENDATIONS:

Note recommended document type and summarize findings from Screening Checklist.

CE / EA Fonsi, No relocations from ROW impacts. Two underground storage tanks at the gas stations that are not impacted. The road widening will require extension of the culverts that serve Lower Barton Creek and Upper Barton Creek.

# Items Under Development

- Scope of work for later planning and design activities
- Initial mapping limits for Photogrammetry and Location & Surveys
- Cursory hydro review



# **Online Repository**

- Reports & support materials available online to NCDOT staff
- Access can be extended to PEFs upon request

Connect NCDOT business partner resources								
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Scoping •								
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## https://connect.ncdot.gov/site/scoping/default.aspx