



NORTH CAROLINA

Department of Transportation



Project Scoping Initiatives

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Current Initiatives

Express Design Evaluations

Project Scoping Reports

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

1. Project Initiation

Kickoff Meeting

Data Collection

Environmental Features Mapping

Preliminary Coordination

2. Designs & Quantities

Horizontal Concepts

Vertical Concepts

Conceptual Design Maps

Quantities

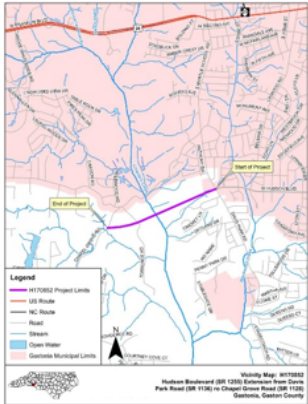
3. Cost Estimates

Construction, Utilities, ITS Estimates

Right of Way Estimates

Express Design Evaluation Summary

EXPRESS DESIGN EVALUATION - SUMMARY

<p>SPOT ID: H170852</p>	<p>FACILITY: SR 1255 HUDSON BLVD. EXTENSION</p>	<p>DIVISION: 12</p>	<p>FIRM: HNTB CORPORATION</p>
 <p>Legend: H170852 Project Limits US Route NC Route Road Stream Open Water Geographic Municipal Limits</p> <p><small>Hudson Boulevard (SR 1255) Extension from Davis Park Road (SR 1136) to Chapel Grove Road (SR 1128) Gastonia, Gaston County</small></p>	<p>EXISTING FACILITY CHARACTERISTICS:</p> <p>Existing No. of Lanes: 4 Existing Median: Yes Existing control of access:</p> <p><input checked="" type="checkbox"/> No Control <input type="checkbox"/> Partial Control <input type="checkbox"/> Limited Control <input type="checkbox"/> Full Control</p> <p>ADT (2016): Hudson Blvd (SR1255): 7900 vpd Davis Park Rd (SR1136): 12000 vpd Chapel Grove Rd (SR1128): 6200 vpd</p> <p>Structures:</p> <p><input type="checkbox"/> Culvert(s) <input type="checkbox"/> Bridge(s)</p>	<p>PROPOSED FACILITY CHARACTERISTICS:</p> <p>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:</p> <p><input checked="" type="checkbox"/> No Control <input type="checkbox"/> Partial Control <input type="checkbox"/> Limited Control <input type="checkbox"/> Full Control</p> <p>ADT: TBD</p> <p>Structures:</p> <p><input type="checkbox"/> Culvert(s) <input checked="" type="checkbox"/> Bridge(s) Alt 1 New Structure: 100' L x 87.5' W, Alt 2: 100' L x 116'W</p>	
<p>PROJECT DESCRIPTION: <i>(Include project scope and location, including Municipality and County. Refer to the attached project location map and photos.)</i></p> <p>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.</p>			
<p>COST ESTIMATES:</p> <p>Right of Way: XX,XXX,XXX Utilities: XX,XXX,XXX Construction: XX,XXX,XXX</p>			
<p>FINDINGS AND RECOMMENDATIONS:</p> <p><i>Note recommended document type and summarize findings from Screening Checklist.</i> 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 <u>Crowders Creek</u> 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.</p>			

Project Scoping Reports

1. Project Review

Coordination with MPO/RPO, Division & Project Delivery Teams

Update Data, Conceptual Design & Costs

2. Screening

Update Environmental Features Mapping

Project Scoping Screening Checklist

3. Documentation

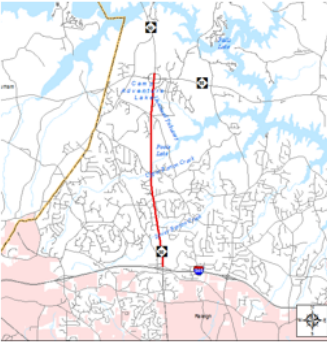
Traffic Forecast Request

Technical Report

Summary

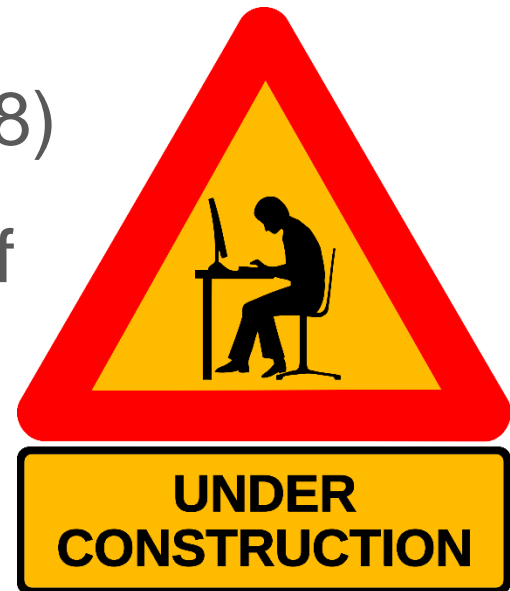
Support Documents

PROJECT SCOPING REPORT - SUMMARY

<p>STIP ID: FS-1205D / U-5891 SPOT ID: NA</p>	<p>FACILITY: NC 50</p>	<p>DIVISION: 5</p>	<p>FIRM: IN HOUSE</p>
	<p>EXISTING FACILITY CHARACTERISTICS:</p> <p>Existing No. of Lanes: 2 Existing Median: No Existing control of access: <input checked="" type="checkbox"/> No Control <input checked="" type="checkbox"/> Partial Control <input type="checkbox"/> Limited Control <input type="checkbox"/> Full Control</p> <p>ADT:23,000 (2015) Structures: <input checked="" type="checkbox"/> Culvert(s) 910969 7'x9', 910971-8'x9' <input checked="" type="checkbox"/> Bridge(s) 911037 - 3 lanes, 911038 - 3 lanes, 910012 - 2 lanes</p>		<p>PROPOSED FACILITY CHARACTERISTICS:</p> <p>Proposed No. of Lanes: 4 Addition of Median(s): Yes/No Proposed control of access: <input type="checkbox"/> No Control <input checked="" type="checkbox"/> Partial Control <input type="checkbox"/> Limited Control <input type="checkbox"/> Full Control</p> <p>ADT:44,500 (2035) Structures: <input checked="" type="checkbox"/> Culvert(s) 910969 7'x9', 910971 8'x9' <input checked="" type="checkbox"/> Bridge(s) 911037 - 4 lanes, 911038 - 4 lanes, 910012 3 lanes EB, New bridge 3 lanes WB</p>
<p>PROJECT DESCRIPTION: <i>(Include project scope and location, including Municipality and County. Refer to the attached project location map and photos.)</i></p>			
<p>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.</p>			
<p>PRELIMINARY PURPOSE AND NEED:</p>			
<p><i>Is there preliminary information on the purpose and need for the project included in a CTP, LRTP, or other study? If yes, summarize.</i></p>			
<p>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 (vpd). Maximum capacity for a Rural two-lane highway level of service D in the Piedmont is approximately 12,400 vpd. 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).</p>			
<p>COST ESTIMATES:</p>			
<p>Right of Way: \$3,634,000</p>			
<p>Construction: \$79,500,000</p>			
<p>Utilities: \$1,517,000</p>			
<p>FINDINGS AND RECOMMENDATIONS:</p>			
<p><i>Note recommended document type and summarize findings from Screening Checklist.</i></p>			
<p>CE / EA <u>Fonsi</u>. 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.</p>			

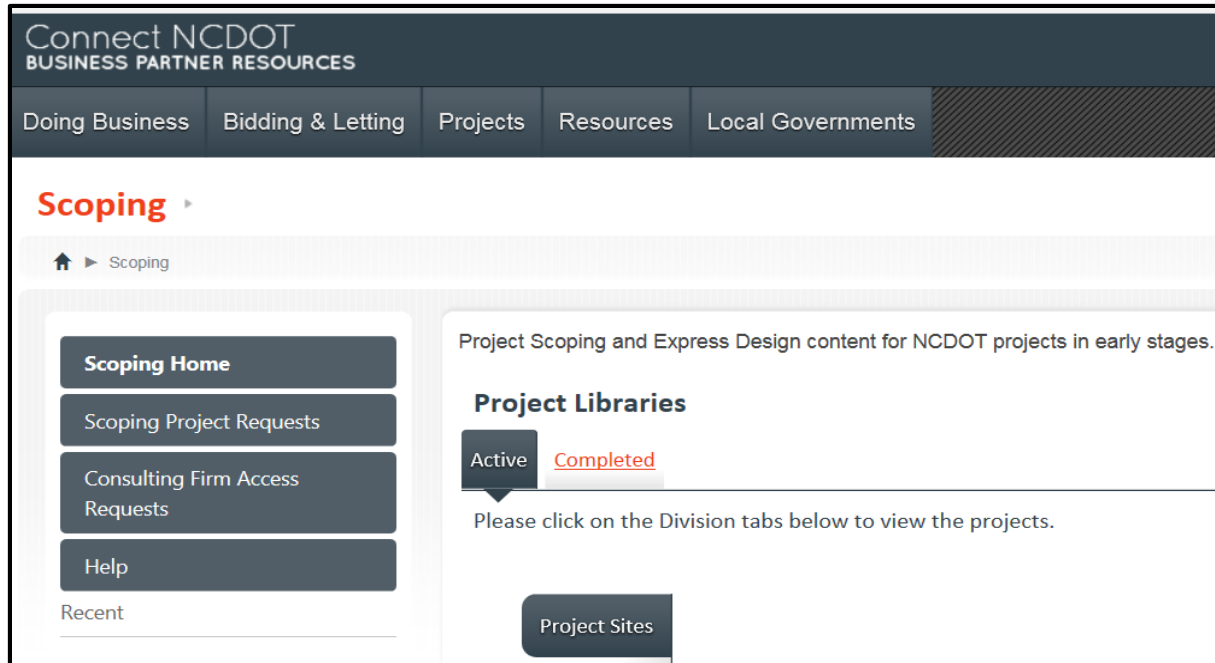
Items Under Development

- Scope of work for later planning and design activities (to be determined)
- Initial mapping limits for Photogrammetry and Location & Surveys (July 2018)
- Cursory hydro review (Fall 2018)
- Constructability/Maintenance of Traffic Summary (July 2018)



Online Repository

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



The screenshot displays the 'Connect NCDOT BUSINESS PARTNER RESOURCES' website. The navigation menu includes 'Doing Business', 'Bidding & Letting', 'Projects', 'Resources', and 'Local Governments'. The 'Scoping' section is active, showing a breadcrumb trail 'Home > Scoping'. On the left, there are buttons for 'Scoping Home', 'Scoping Project Requests', 'Consulting Firm Access Requests', and 'Help'. Below these is a 'Recent' section. The main content area features a heading 'Project Scoping and Express Design content for NCDOT projects in early stages.' followed by 'Project Libraries' with tabs for 'Active' and 'Completed'. A message states 'Please click on the Division tabs below to view the projects.' and a 'Project Sites' button is visible at the bottom.

<https://connect.ncdot.gov/site/scoping/default.aspx>

Questions?

