



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

February 9, 2018

Memorandum To: Internal/External Scoping Meeting Attendees

From: Beverly Robinson, Senior Project Manager
Central Project Management Unit

Subject: External Scoping Meeting for N. Church Street from
US 220 (Wendover Avenue) to East Cone Boulevard, Guilford County,
STIP No. U-5851

The Project Development Unit has started the project development, environmental and engineering studies for the subject project. The project is included in the NCDOT 2018 – 2027 State Transportation Improvement Program (STIP) and is scheduled for right-of-way acquisition to begin in fiscal year 2020 and construction to begin in fiscal year 2022. An Internal/External Scoping Meeting and Merger Screening has been scheduled for February 26, 2018 and will be held in the Roadway Design Conference Room in Building A of the NCDOT Century Center (1000 Birch Ridge Drive) in Raleigh.

The general purpose of this meeting is to begin early coordination with our agency partners by discussing the known information about the project and project area. There are Project Data Sheets, mapping, and other materials for this meeting in the project file located on [CONNECT](#) and the [PDEA Merger website](#). Please review the material and be prepared to discuss any additional known information regarding your resource and/or area of expertise as it may concern the project. We would especially appreciate any information you might have that would be helpful in identifying and evaluating important issues or topic that should be considered.

Thank you for your assistance in the project development process. Comments and questions concerning the project or the Project Data Sheets can be directed to Ray Lovinggood, Project Manager, at (919) 707-6736 or by email at rlovinggood@ncdot.gov. You may also contact John Jamison of HDR at (919) 232-6625 or by email at john.jamison@hdrinc.com. If you cannot attend the meeting, please forward your comments by February 22, 2018. Please include the STIP Project Number, U-5851, in all correspondence and comments.

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1000 BIRCH RIDGE DRIVE
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PROJECT DATA SHEET

Date: 2/08/2018
Rev.:

TIP No.: U-5851	County: Guilford
Federal-aid No.: N/A	WBS No.: 50240.1.1
NCDOT Division: 7	Scoping Meeting Date: 2/26/2018

Project Description:

- Length: **1.65 Miles**
- Termini (US Hwy / SR): **Southern – US 220 (Wendover Avenue) , Northern – East Cone Blvd. in Guilford County**
- MPO / RPO: **Greensboro Urban Area Metropolitan Planning Organization (GUAMPO)**
- NEPA / 404 Merger Candidate? Yes No To be determined
- General Description of Project:

The project has been previously described as adding lanes to 1.65 miles of SR 1001 (North Church Street) from US 220 (Wendover Avenue) to East Cone Boulevard on the north side of Greensboro. The proposed cross-section is described as a 4-lane divided (23' raised median) roadway with curb and gutter, wide outside lanes and sidewalks. The project is currently planned to be built with state funding and was not subject to reprioritization during STI 4.0.

Design Data (Existing Conditions):

- Functional Classification: **Minor Arterial**
- Strategic Highway Corridor: **N/A**
- CTP Designation (Facility Type): **Boulevard**
- Type of Access Control: **None**
- Typical Section: **2-4 lanes undivided**
- Right of Way: **Variable (60-90')**
- Posted Speed: **35 MPH**
- Structure Inventory (bridges, RCBC, Walls, etc):

Bridge #527 over North Buffalo Creek, 77-foot x 127-foot bridge, Sufficiency Rating 77.8

- Other TIP Projects in the Area (See Figure 2)

EB-5883: US 220 (Wendover Ave.) Construct sidewalks, from Grecale Street to SR 1001 (N. Church St) and SR 2526 (Summit Ave) to US 29 (North O'Henry Boulevard).

EB-5875: A & Y Greenway Construct Multi-Use Path, Maryland Drive to Smith Street

EB-5714 SR 2751 (Church Street) to SR 2523 (Yanceyville Street) in Greensboro. Construct Sidewalk on both sides where none exists.

U-5812 Lawndale Drive and Pisgah Church Road in Greensboro. Intersection improvements at Lawndale Road and Pisgah Church Road, at Lawndale Road and Martinsville Road, and at Martinsville Road and Pisgah Church Road.

U-5842: Pisgah Church Road, Intersection Improvements at North Elm Street

- Railroad Involvement:

A rail line runs parallel to N. Church Street, but does not intersect the proposed project.

Long Range Plan History:

The City of Greensboro studied the N. Church Street corridor in 2005; it included a feasibility concept as well as public outreach. Current City transportation initiatives in the vicinity are shown on the City's mapping tool at: <http://arcg.is/0bDzbb>

Traffic Data (AADT):

Year	Description	Average Annual Daily Traffic (AADT)
2017	N Church Street (SR 1001), within project corridor	11,900 – 20,200
	US 220 (Wendover Ave), south of project corridor	48,600 – 55,800
	E. Cone Boulevard, north of project corridor	18,600 – 26,600
2040	N Church Street (SR 1001), within project corridor	16,700 – 25,000
	US 220 (Wendover Ave), south of project corridor	53,000 – 60,800
	E. Cone Boulevard, north of project corridor	19,800 – 29,200

Source of Traffic Data: U-5851 Traffic Forecast (2017)

Cost Estimates:

	Construction	Right-of-Way	Utilities	Total
TIP Estimate	\$12,312,000	\$3,459,000	\$371,000	\$15,771,000

Project Schedule:

Environmental Document	State EA/FONSI	2018
Right-of-Way	07/19/2019	
Let	07/20/2021	

Initial Scoping Comments:

Based on prior internal meetings and coordination, key comments are summarized as follows.

Traffic Congestion: Based on the City's prior problem statement, the corridor is over capacity and additional lanes are needed.

Bicycle and Pedestrian Facilities: Existing sidewalks in places, but likely need additional connectivity as pedestrian movement and transit usage are important along this corridor, especially with schools and the hospital. Initial discussion included constructing a ten foot multi-use path on the east side of Church Street between Tankersley Drive and East Cornwallis Dr. Additional coordination is required.

Utilities: No comments to date, significant utilities are present along the corridor.

Rail Crossings: n/a

Structures: The only bridge (No. 527) along the corridor is over North Buffalo Creek. This bridge was replaced in 2008 under TIP B-3337 and is 77'x127', and was built to accommodate horizontal clearance for a 10-foot wide pathway.

Water Resources: North Buffalo Creek is the primary resource in the corridor. Few (if any) jurisdictional resources exist otherwise.

Preliminary Study Area Resources:

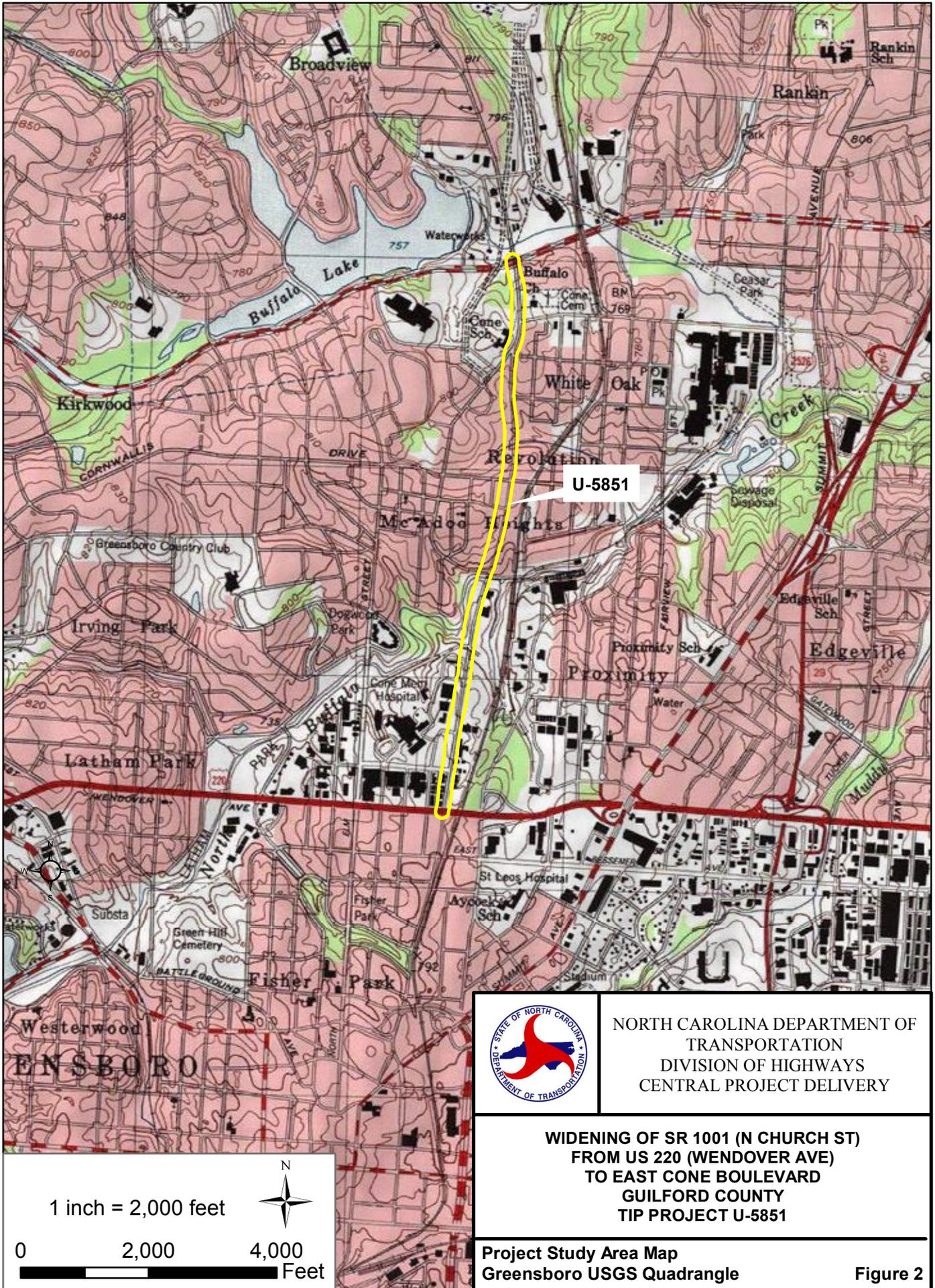
- White Oak New Town Historic District
- Buffalo Presbyterian Church/Cemetery at 16th Street (National Register)
- Cone Elementary School
- Latham Park/North Buffalo Creek corridor
- Fire Station #1
- Moses Cone Hospital and adjacent medical facility complex

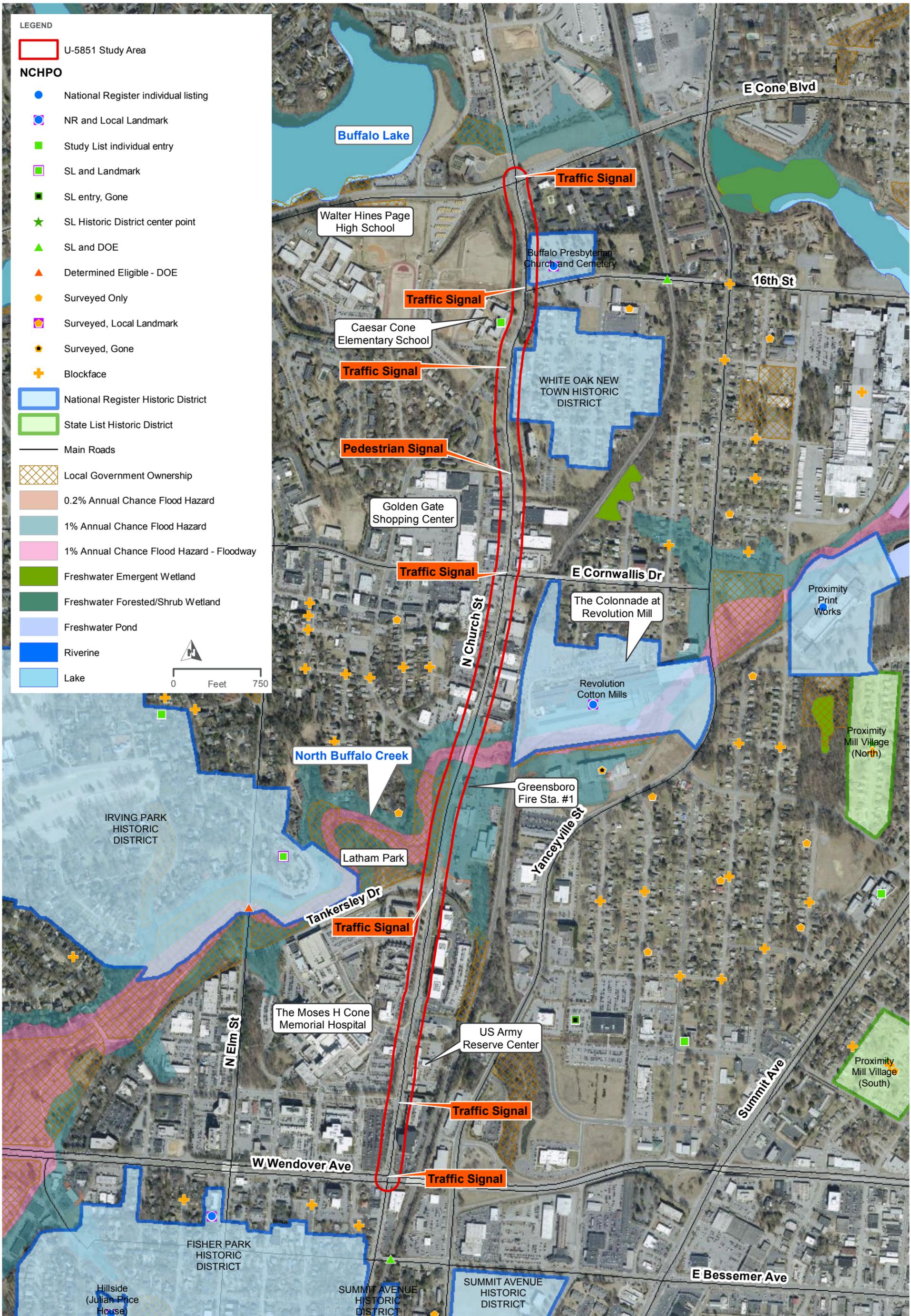
Design Data (Proposed Conditions):

- Designation (Facility Type): **Boulevard**
- Type of Access Control: **Partial or None**
- Typical Section:
 - **Four-Lane Divided with a 23' raised median, with curb and gutter, and bike and pedestrian accommodations.**
- Right of Way: **130 feet**
- Design Speed: **40 mph**

Purpose and Need Data:

Purpose: The purpose for this project is to improve the traffic-carrying capacity and reduce delays to achieve a LOS "D" or better in the design year (2040) within the N. Church Street corridor.





LEGEND

- U-5851 Study Area

NCHPO

- National Register individual listing
- NR and Local Landmark
- Study List individual entry
- SL and Landmark
- SL entry, Gone
- ★ SL Historic District center point
- ▲ SL and DOE
- ▲ Determined Eligible - DOE
- ◆ Surveyed Only
- Surveyed, Local Landmark
- Surveyed, Gone
- + Blockface

- National Register Historic District
- State List Historic District
- Main Roads
- Local Government Ownership
- 0.2% Annual Chance Flood Hazard
- 1% Annual Chance Flood Hazard
- 1% Annual Chance Flood Hazard - Floodway
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Riverine
- Lake

0 Feet 750



Table 1. Schedule

Key Milestone	Preliminary Schedule
Internal/External Scoping Merger Screening	February 2018
Begin Public Involvement	March 2018
Complete Environmental Surveys	April 2018
Conceptual Designs & Traffic Analysis	May 2018
Alternative Selection	July 2018
Community Impact Assessment and/or Stakeholder Workshops (as needed)	August 2018
15% Hydraulic and Roadway Plan Review	August 2018
Draft SEA	September 2018
Public Hearing	October 2018
SEA/FONSI	November 2018
25% Plans	January 2019

Table 2: Draft Study Area Resources Inventory Table

Resource/Affected Environment	Applicability/ Resources in Study Area
General Project Information	
Length of project (approximate in miles)	Approximately 1.65 miles
Crossing or Intersecting Routes (#)	0 – Interchanges 12 intersections, 7 signalized plus one signalized ped crossing 0 - RR Crossing
Cultural Resources	
NRHP (and eligible sites, districts, other properties) (#)	1 - Nat'l Reg. Historic District (White Oak New Town HD) 2 – Nat'l Reg. Historic Sites (Buffalo Presbyterian Church & Cemetery, Revolution Cotton Mills)
Human Environment	
Community Resources (#)	1 - Church 1 – Moses Cone Hospital 2 - Schools – Caesar Cone Elementary, Page High 1 - Fire Station 1-Public Service Training Facility
Public Parks	0
Greenways, Game Lands, Land and Water Conservation Fund Properties, etc.	1 – Proposed greenway at North Buffalo Creek 1 – Proposed greenway on north side of Tankersley (along County-owned open space)
Residential Properties (# potentially affected)	15 (within 100' of centerline)
Business Properties (# potentially affected)	25 (within 100' of centerline)
High % Special Populations (Low-income, Minority)	Yes – Language Assistance
Natural Environment	
Streams (# of stream crossings)	1 – North Buffalo Creek
Wetlands (est. acres)	None
Critical Water Supply Watersheds	None
Riparian Buffer Rules apply	Jordan Lake Buffer Rule/Cape Fear River Basin
Identified Critical Habitat/ESA Spp. (# known)	0 - Known
Physical Environment	
Hazardous Materials (# suspected/known sites)	1 – gas stations 0 - permitted landfill (no longer in use) Possible Underground Storage Tank (UST) facilities
Utilities	electric, water, sewer, power transmission corridors and towers, fiber optic
Active agriculture (Voluntary Agricultural District)	0 - VAD parcels in study area
Noise	Impacts To Be Determined