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**NORTH CAROLINA DEPARTMENT OF TRANSPORTATION**



**NC 55 CORRIDOR STUDY  
WAKE AND HARNETT COUNTIES**

**STIP PROJECT R-5705**

**JULY 27, 2017**

**Public Meeting**

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## **PUBLIC MEETING**

### **NC 55 CORRIDOR STUDY**

Wake and Harnett Counties

From South of SR 1532 (Oak Grove Church Roads) to NC 42

### **STIP PROJECT R-5705**

**July 27, 2017**

#### **PURPOSE OF TODAY'S MEETING**

The purpose of today's meeting is to present the proposed project corridors to the public for review and comment (a comment sheet is attached to the back of this handout for comments and questions). Following today's meeting, NCDOT will review citizen and local government comments and determine which corridors should be studied in detail. Environmental surveys will be conducted within these corridors. NCDOT will present the recommended corridor at a future public meeting to allow an opportunity for citizens to comment.

#### **PROJECT DESCRIPTION**

STIP Project R-5705 is programmed in the approved 2018-2027 North Carolina State Transportation Improvement Program (STIP) as improvements to NC 55 from south of SR 1532 (Oak Grove Church Road) in Harnett County to NC 42 in Wake County. The proposed project is approximately ten miles long, depending on the corridor selected. The project location is shown in Figure 1.

A multi-lane facility is proposed on new location or along the existing alignment. It is anticipated approximately 110 feet of right-of-way will be required along the existing alignment and approximately 150 feet of right-of-way will be required on new location to accommodate the multi-lane facility. No control of access is proposed for improve existing NC 55 and limited control of access is proposed for new location options.

#### **PROJECT PURPOSE**

The purpose of the project is to reduce traffic congestion and improve mobility on the NC 55 corridor in the project area, with a goal of achieving an overall Level of Service (LOS) D.

#### **PROJECT STATUS/SCHEDULE**

Project development studies for the proposed project are currently underway. Corridors to be studied in detail will be selected following this meeting and detailed environmental studies will begin on those corridors. The recommended corridors for the

project will be selected following the environmental studies. A public meeting will be held to present the preferred corridor to the public.

Right of way acquisition for the project is scheduled to begin in State Fiscal Year 2020 and construction is scheduled to begin in State Fiscal Year 2022.

**PROJECT COST**

The most recent cost estimate for the project is as follows:

Right of Way Acquisition	\$9,895,000
Utility Relocation	\$1,187,000
Construction	<u>\$38,536,000</u>
Total Estimated Cost	\$50,618,000

**PROJECT CORRIDORS**

Three alternative corridors for the proposed project are being considered. The alternative study corridors on new location developed for STIP R-5705 are approximately two times wider (1000 feet) than the improved existing study corridor (500 feet) to allow room to avoid resources within the corridor. Figure 2 presents all the corridors investigated for the project. The table on page 4 presents a summary of the impacts.

**CORRIDOR A - IMPROVE EXISTING CORRIDOR**

This corridor follows the existing alignment of NC 55 from south of SR 1532 (Oak Grove Church Road) in Harnett County to NC 42 in Wake County. Corridor A proposes to widen existing NC 55 from a two-lane to a four-lane raised median-divided facility within a 110-foot right-of-way (see Figure 3).

**CORRIDOR B - WESTERN BYPASS**

Corridor B involves constructing a roadway on new location to the west of Angier. The proposed bypass would be constructed as a four-lane facility with a 30-foot median within a 150 foot right-of-way (See Figure 3). Limited control of access (access only from public roads, no driveways allowed) would be obtained for the new location. To minimize impacts and costs, minor amounts of right of way and partial control of access would be obtained for portions along existing roadways.

### **CORRIDOR C - EASTERN BYPASS**

Corridor C would involve rerouting NC 55 to the east of Angier using a combination of existing roads with some new location. The bypass would be constructed as a four-lane facility with a 30-foot median within a 150 foot right-of-way (See Figure 3). Limited control of access (access only from intersection roadways) would be obtained for new location portions of the corridor. To minimize impacts and costs, minor amounts of right of way and partial control of access would be obtained for portions of the bypass routed along existing roadways.

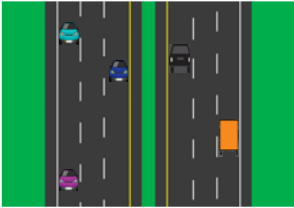
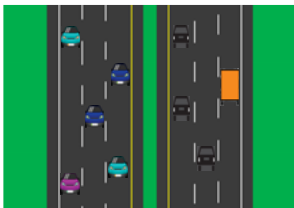
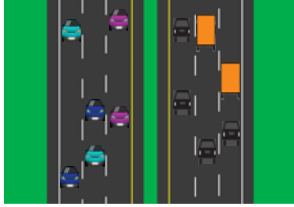
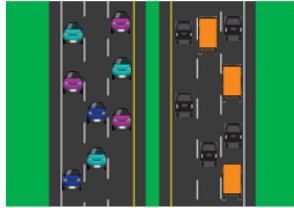
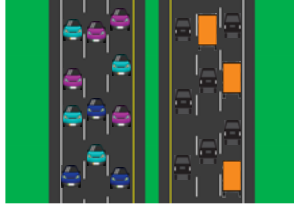

## CORRIDOR COMPARISONS

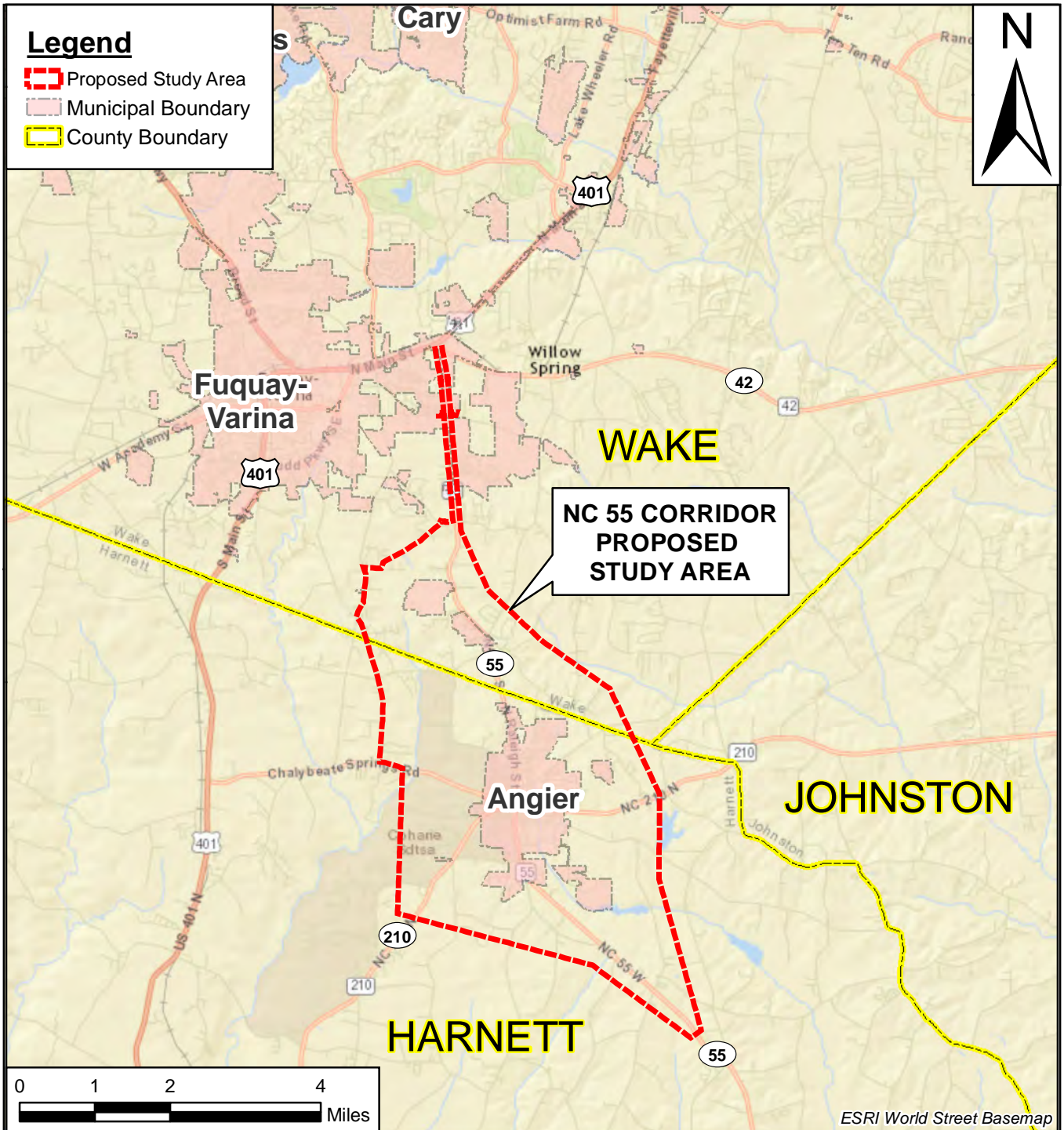
PRELIMINARY ALTERNATIVE CORRIDORS IMPACT MATRIX			
	A	B	C
New Location Length (mi)*	0	4.84	2.63
Total Length (mi)	10.25	11.5	10.3
Total Relocations	38	32	53
Properties Impacted	211	204	225
Historic Properties	0	0	0
Registered Underground Storage Tanks	9	3	3
Wetlands Affected (ac)	9	17	19
Stream Impacts (ft)**	808	1378	1291
Floodplain (ac)	<0.01	0.495	0.495
Forested Acres (ac)	49.5	103.95	94.05
Farmland Soils (ac)	346.5	394.35	358.05
Voluntary Agricultural Districts (ac)	6.6	33	13.2

\* *lengths calculated for non-existing facilities*

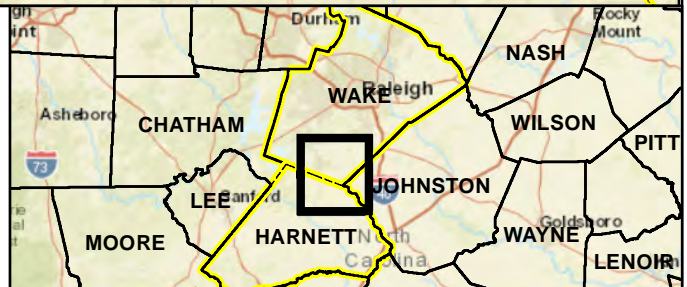
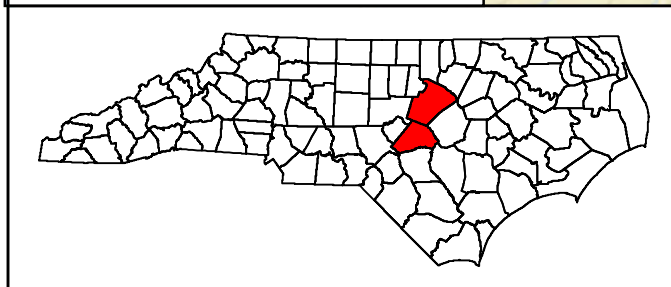
\*\* *stream impacts include ditches which may not be jurisdictional*

# LEVELS OF SERVICE

LEVEL OF SERVICE	FLOW CONDITIONS	TECHNICAL DESCRIPTIONS
A		<p>Traffic flows freely with little or no restrictions on speed or maneuverability.</p> <p><b>NO DELAYS</b></p>
B		<p>Traffic is stable and flows freely. The ability to maneuver in traffic is slightly restricted.</p> <p><b>MINIMAL DELAYS</b></p>
C		<p>Few restrictions on speed. Freedom to maneuver is restricted. Drivers must be more careful making lane changes.</p> <p><b>AVERAGE DELAYS</b></p>
D		<p>Speeds decline slightly and density increases. Freedom to maneuver is noticeably limited.</p> <p><b>LONG DELAYS</b></p>
E		<p>Vehicles are closely spaced, with little room to maneuver. Driver comfort is poor.</p> <p><b>CONSIDERABLE DELAYS</b></p>
F		<p>Very congested traffic with traffic jams, especially where vehicles have to merge.</p> <p><b>SIGNIFICANT DELAYS</b></p>



ESRI World Street Basemap



	County: HARNETT/WAKE	
	Div: 5/6	STIP# R-5705
	WBS: 46377.1.1	
	Date: 6-1-2016	

**VICINITY MAP**  
 NC 55 Corridor Study  
 Harnett-Wake Counties  
 STIP Project R-5705

**FIGURE**  
**1**

**Legend**

R-5705 Project Corridor

Corridor A

Corridor B

Corridor C

**National Wetland Inventory**

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

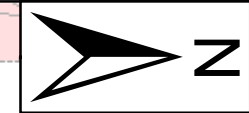
Freshwater Pond

Lake

Stream

Municipal Boundary

County Boundary



**NORTH CAROLINA  
DEPARTMENT OF  
TRANSPORTATION**

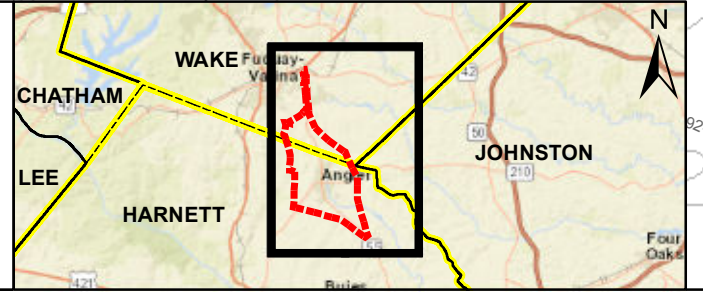
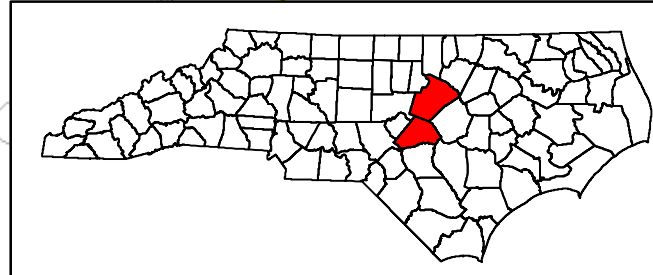
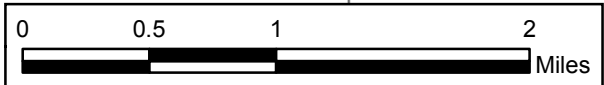
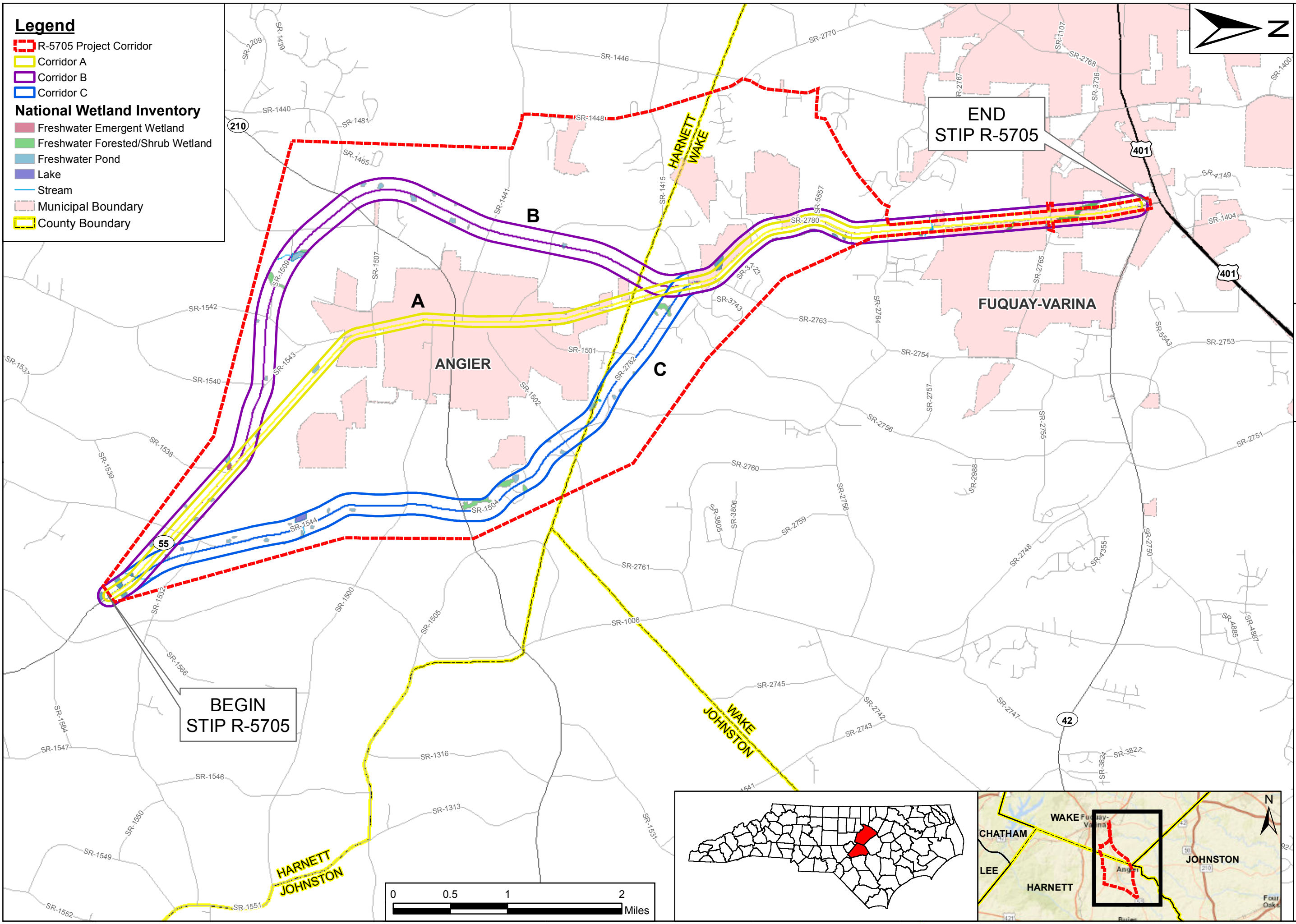


**NATURAL  
FEATURES  
MAP**

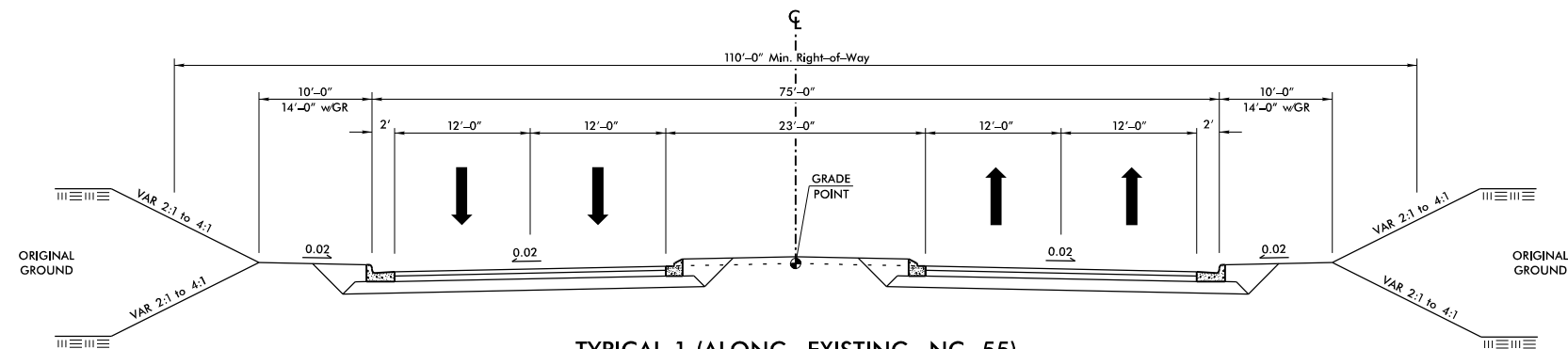
**NC 55  
CORRIDOR STUDY  
STIP R-5705**

County: HARNETT/WAKE	
Div: 5/6	STIP# R-5705
WBS: 46377.1.1	
Date: 5/4/2017	

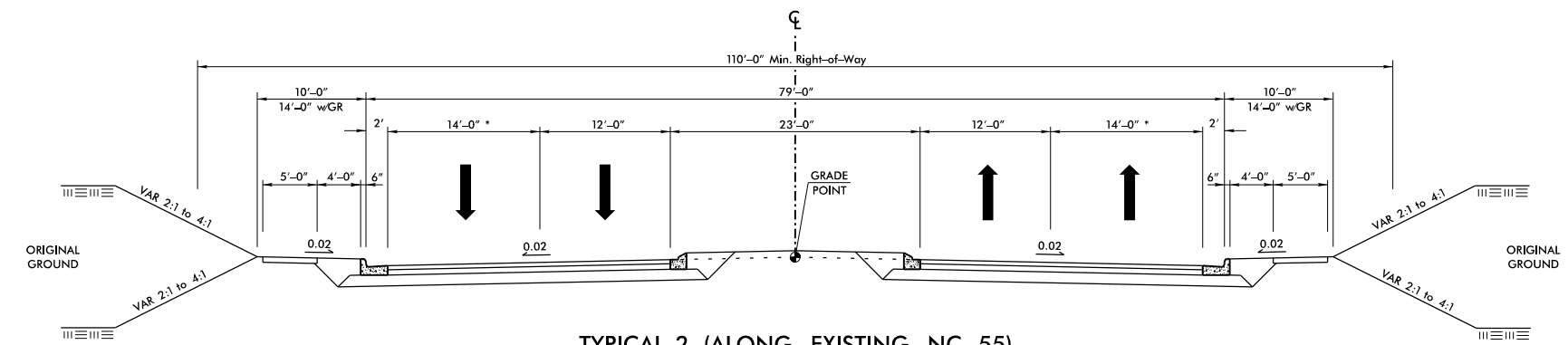
**FIGURE  
2**



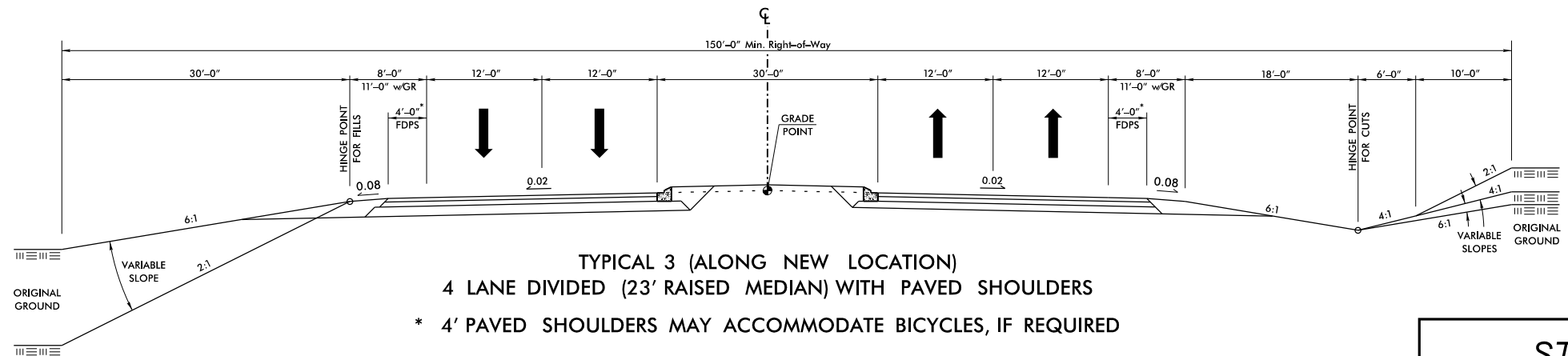




**TYPICAL 1 (ALONG EXISTING NC 55)**  
**4 LANE DIVIDED (23' RAISED MEDIAN) WITH CURB AND GUTTER**  
**NO BICYCLE OR PEDESTRIAN ACCOMMODATIONS**



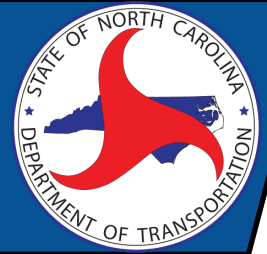
**TYPICAL 2 (ALONG EXISTING NC 55)**  
**4 LANE DIVIDED (23' RAISED MEDIAN) WITH CURB AND GUTTER**  
**WITH WIDE OUTSIDE LANES AND SIDEWALKS**  
**FOR BICYCLE AND PEDESTRIAN ACCOMMODATIONS**



**TYPICAL 3 (ALONG NEW LOCATION)**  
**4 LANE DIVIDED (23' RAISED MEDIAN) WITH PAVED SHOULDERS**  
 \* 4' PAVED SHOULDERS MAY ACCOMMODATE BICYCLES, IF REQUIRED

**STIP NO. R-5705**  
**FIGURE 3**

7/22/99  
 7/24/2017  
 R-5705\_Rdy\_typicals.dgn  
 User:tkh  
 R-5705\_Rdy\_typicals.dgn 7/24/2017 3:58:07 PM TGS



NC 55 Corridor Study

Title VI Public Involvement Form

Completing this form is **completely** voluntary. You are not required to provide information requested in order to participate in this meeting.

<b>Meeting Type: Public Meeting</b>	<b>Date: July 27, 2017</b>
<b>Location: Angier Municipal Building, 28 N. Raleigh St., Angier, NC 27501</b>	
<b>STIP NO. R-5705</b>	
<b>Project Description: NC 55 Corridor Study.</b>	

In accordance with Title VI of the Civil Rights Act of 1964 and related authorities, the North Carolina Department of Transportation (NCDOT) assures that no person(s) shall be excluded from participation in, denied the benefits of, or subjugated to discrimination, under any of the Department's programs, policies, or activities, based on their race, color, national origin, disability, age, income, or gender.

**Completing this form helps meet our data collection and public involvement obligations under Title VI and NEPA, and will improve how we serve the public.** Please place the completed form in the designated box on the sign-in table, hand it to an NCDOT official, or mail it in **to the PDEA-Human Environment Section, 1598 Mail Service Center, Raleigh, NC 27699-1598**. All forms will remain on file at NCDOT as part of the public record.

<b>Zip Code:</b> _____	<b>Gender:</b> <input type="checkbox"/> Male <input type="checkbox"/> Female
<b>Street Name:</b> <b>(i.e. Main Street)</b> _____	<b>Age:</b> <input type="checkbox"/> Less than 18 <input type="checkbox"/> 45-64 <input type="checkbox"/> 18-29 <input type="checkbox"/> 65 and older <input type="checkbox"/> 30-44
<b>Total Household Income:</b> <input type="checkbox"/> Less than \$12,000 <input type="checkbox"/> \$47,000 – \$69,999 <input type="checkbox"/> \$12,000 – \$19,999 <input type="checkbox"/> \$70,000 – \$93,999 <input type="checkbox"/> \$20,000 – \$30,999 <input type="checkbox"/> \$94,000 – \$117,999 <input type="checkbox"/> \$31,000 – \$46,999 <input type="checkbox"/> \$118,000 or greater	<b>Have a Disability:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Race/Ethnicity:</b> <input type="checkbox"/> White <input type="checkbox"/> Asian <input type="checkbox"/> Black/African American <input type="checkbox"/> Hispanic/Latino <input type="checkbox"/> American Indian/Alaskan Native <input type="checkbox"/> Native Hawaiian/Pacific Islander <input type="checkbox"/> Other (please specify): _____	<b>National Origin:</b> (if born outside the U.S.) <input type="checkbox"/> Mexican <input type="checkbox"/> Central American: _____ <input type="checkbox"/> South American: _____ <input type="checkbox"/> Puerto Rican <input type="checkbox"/> Vietnamese <input type="checkbox"/> Chinese <input type="checkbox"/> Korean <input type="checkbox"/> Other (please specify): _____

How did you hear about this meeting? (newspaper advertisement, flyer, and/or mailing) \_\_\_\_\_

For more information regarding Title VI or this request, please contact the NCDOT Title VI Section at (919) 508-1886, or by email at mlwright4@ncdot.gov.

Thank you for you participation!

**PDEA-HUMAN ENVIRONMENT SECTION,  
1598 Mail Service Center,  
Raleigh, NC 27699-1598**

**Comment Sheet**  
NC 55 Corridor Study  
Wake and Harnett Counties  
STIP Project R-5705

July 27, 2017

Name: \_\_\_\_\_  
(please print)

Address: \_\_\_\_\_ (please print)

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Email: \_\_\_\_\_ (optional)

Which corridor do you prefer for the NC 55 Corridor?

Corridor A (Existing Alignment)                       Corridor C (Eastern Bypass)  
 Corridor B (Western Bypass)

Are there any corridors you think should be dropped from further consideration (not studied in detail)?

Corridor A (Existing Alignment)                       Corridor C (Eastern Bypass)  
 Corridor B (Western Bypass)

General comments, concerns and/or questions regarding this project:

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(If you need additional space, please continue on the back)

You may leave your comments with NCDOT representatives at the meeting or comments may be mailed, faxed, or emailed by August 28, 2017 to:

Tommy Register, PE  
TGS Engineers  
706 Hillsborough Street  
Suite 200  
Raleigh, NC 27603  
Fax: (919) 773- 8839  
Email: tregister@tgsengineers.com

**PDEA-HUMAN ENVIRONMENT SECTION,  
1598 Mail Service Center,  
Raleigh, NC 27699-1598**