



US 401 CORRIDOR STUDY



Through Cumberland, Harnett and Wake Counties

Citizens Informational Workshops
TIP No. R-2609 July 2011

Welcome

Welcome to tonight's Citizens Informational Workshop for the US 401 Corridor Study.

The purpose of tonight's meeting is to provide you with information on the proposed project, study alternatives and environmental review process. You will have an opportunity to learn more about the project, review materials, ask questions and share your ideas with the project team.

Your input will be used by the project team to:

- Further understand community and environmental issues;
- Evaluate and refine proposed corridor alternatives; and
- Analyze potential effects of the project.

Attached to this handout is a comment sheet. You may submit comments at this meeting or by email or mail to the contact listed on the comment sheet.

Project Description

The North Carolina Department of Transportation (NCDOT) is studying improvements to the US 401 corridor in Cumberland, Harnett and Wake counties. The study limits extend approximately 39 miles along US 401 from north of Fayetteville in Cumberland County to north of Fuquay-Varina in Wake County (Figure 1).

The proposed project addresses the following needs in the study area:

- US 401 is a regionally important route serving as a commuter corridor between Harnett, Wake and Cumberland counties. By 2035, portions of US 401 will operate at or above capacity.
- Travel time and congestion is expected to increase substantially along the corridor by 2035.
- Fatal accident rates for US 401 within the project limits are higher than the statewide average.

The US 401 Corridor Study is included in the 2012-2018 North Carolina State Transportation Improvement Program (STIP) as TIP Project R-2609. This project is not currently funded for right-of-way acquisition or construction. However, the schedule is subject to change based on the availability of funding.

Stations

Stop by tonight's stations to learn more about the project:

- Sign-in
- Project Video
- Study Corridor Maps
- Comments
- Title VI Information
- Kid's Table

Please sign-in and provide your mailing address to receive future project updates.

Thank you for participating in tonight's public workshop for the US 401 Corridor Study.

Project Purpose and Need:
The purpose of the proposed project is to increase the traffic carrying capacity, increase safety and reduce travel time along the US 401 corridor within the project limits.

Planning Process

	Milestone	Timeframe
↑ Public Involvement ↓	Project Scoping	Complete
	Develop Purpose and Need	Complete
	Develop Corridor Alternatives	In Progress
	Hold Citizens Informational Workshops	Summer 2011 We Are Here!
	Select Alternatives for Detailed Study	Fall 2011
	Conduct Detailed Environmental Analysis	Fall 2011 - Spring 2013
	Publish Draft Environmental Impact Statement	Summer 2013
	Hold Public Hearings	Fall 2013
	Publish Final Environmental Impact Statement	Spring 2014
	Issue Record of Decision	Fall 2014

Stakeholder involvement activities will be conducted throughout the project. These will include briefings with local officials, public workshops, community group meetings, newsletters and updates to the project website.

Project Alternatives

Improving the US 401 corridor by widening the existing roadway or constructing a roadway on a new location will increase the traffic carrying capacity, enhance safety and reduce travel times. As shown on Figure 2, a range of preliminary corridors are currently being studied. These corridors were developed by the study team and refined through input from agencies and other stakeholders. The corridor alternatives will be further refined as new information is obtained, public and agency comments are considered and additional analyses are conducted.

Public input is also being considered during preliminary corridor review. If you would like to comment on these preliminary corridor alternatives, please respond on the attached comment sheet.

Preliminary Corridors

The study area is divided into five sections: A through E. Each section includes a range of preliminary study corridors. Tables presenting a comparison of the preliminary study corridors are included on pages 4-8. Information shown is based on 1,000-foot-wide corridors.

The preliminary corridors and sections are shown on Figures 1-2 of this handout.

Segment A	Segment B	Segment C	Segment D	Segment E
Beginning of the project in Cumberland County to south of Lillington	South of Lillington to north of Lillington	North of Lillington to the Wake County line	Harnett/Wake County line to northeast of Fuquay-Varina	Northeast of Fuquay-Varina to the end of the project at Ten-Ten Road
(13.5 miles)	(5.5 miles)	(9 miles)	(6 miles)	(4.8 miles)

Miles shown are approximate.

Planning Process

Currently, the project is undergoing environmental review in accordance with state and federal laws.

An environmental document, called an Environmental Impact Statement or EIS, is being prepared to provide comprehensive information about the purpose and need for the project, proposed plans and potential environmental, social and economic effects. The EIS will provide an in-depth analysis and will include many technical studies. NCDOT anticipates that the Draft EIS will be published in summer 2013 for public review and comment.

Starting this fall and continuing through 2013, you may see project team members out in the study area collecting information about various environmental and community resources. This information will be used to analyze the study alternatives. Information collected will be summarized in technical reports and in the Draft EIS.



Existing two-lane section of US 401

For More Information

Visit us on the web:

www.ncdot.gov/projects/401CorridorStudy

- Learn more about the project
- Review maps and materials
- Submit comments

Contact:

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HDR Project Manager
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PROJECT FAST FACTS

- **Counties:** Cumberland, Harnett, Wake
- **Type of Project:** Roadway Improvements
- **STIP Number:** R-2609
- **Estimated Cost:** \$193 Million (Current Fiscal Year 2012-2018 TIP)
- **Property Acquisition Start:** TBD

Thank you for your participation in the US 401 Corridor Study.

SEGMENT A

Location: Beginning of the project in Cumberland County to south of Lillington

Segment A Evaluation Factors*	Corridor Alternatives	
	A3BLB <i>Existing US 401 with 1-mile Bunnlevel Bypass</i>	A3 <i>Existing US 401 Corridor</i>
Residences	276	313
Businesses	17	22
Schools	2	2
Parks/recreation areas	0	0
Existing trails or greenways	0	0
Churches/religious facilities	1	2
Cemeteries	1	1
Recorded historic sites	0	0
Known federally listed species habitat (NHP occurrence sites)	0	0
Hazardous material sites, landfills, dumps, or Superfund sites	7	11
Wetland natural systems (acres) based on the National Wetlands Inventory	109.1	93.6
Stream crossings	17	17
Length of stream channel (feet)	12,998	13,123
Length in miles	14.0	14.0
Construction costs (in millions)	\$60.0	\$58.8
Right-of-way costs (in millions)	\$18.0	\$17.6

* This table provides general information on existing resources in each corridor. Quantities are based on 1,000-foot-wide study corridors. These quantities do not represent potential impacts related to proposed roadway improvements. Resource data will be updated and expanded as the study progresses to include information on proposed interchanges, corridor connections and other corridor refinements.

SEGMENT B

Location: South of Lillington to north of Lillington

Segment B	Corridor Alternatives							
	B1w	B1e	B2w	B2e	B3	B4	B7	B8
Evaluation Factors*	<i>NCDOT West Bypass</i>	<i>NCDOT West Bypass</i>	<i>Harnett CTP West Bypass</i>	<i>Harnett CTP West Bypass</i>	<i>Existing US 401 Corridor</i>	<i>Harnett CTP West Bypass</i>	<i>East Bypass</i>	<i>East Bypass</i>
Residences	62	62	140	123	186	124	52	57
Businesses	3	4	6	6	145	5	4	1
Schools	0	0	0	0	0	1	0	0
Parks/recreation areas	0	0	0	0	1	0	0	0
Existing trails or greenways	0	0	0	0	0	0	0	0
Churches/religious facilities	0	0	0	0	2	0	0	0
Cemeteries	0	0	0	0	0	0	0	0
Recorded historic sites	1	1	0	0	0 [^]	0	0	0
Known federally listed species habitat (NHP occurrence sites)	0	0	0	0	0	0	0	0
Hazardous material sites, landfills, dumps, or Superfund sites	0	0	0	0	6	0	0	0
Wetland natural systems (acres) based on the National Wetlands Inventory	17.3	19.0	17.1	19.4	22.6	19.4	28.7	10.8
Stream crossings	39	35	30	30	21	35	8	6
Length of stream channel (feet)	23,234	23,513	24,735	23,252	10,661	19,386	5,528	3,679
Length in miles	9.4	9.0	8.7	8.3	5.5	7.9	4.9	4.8
Construction costs (in millions)	\$67.5	\$65.0	\$63.2	\$60.7	10.3	\$67.5	\$39.6	\$39.0
Right-of-way costs (in millions)	\$20.3	\$19.5	\$19.0	\$18.2	\$5.0	\$20.2	\$11.9	\$11.7

* This table provides general information on existing resources in each corridor. Quantities are based on 1,000-foot-wide study corridors. These quantities do not represent potential impacts related to proposed roadway improvements. Resource data will be updated and expanded as the study progresses to include information on proposed interchanges, corridor connections and other corridor refinements.

[^] Local knowledge of these corridors reveals potential occurrences that are not documented in GIS databases.

SEGMENT C

Location: North of Lillington to the Wake County line

Segment C	Corridor Alternatives								
	C1	C2	C3	C4e	C4w	C6	CNC-210	C7	C8
Evaluation Factors*	<i>West of US 401</i>	<i>West of US 401</i>	<i>Existing US 401 Corridor</i>	<i>US 401 to Neill's Creek</i>	<i>US 401 to Neill's Creek</i>	<i>Neill's Creek to NC 210</i>	<i>Existing NC 210</i>	<i>East of NC 210</i>	<i>East of NC 210</i>
Residences	31	61	221	128	118	146	256	124	178
Businesses	0	0	45	80	0	2	46	17	17
Schools	0	0	0	0	0	0	0	0	0
Parks/recreation areas	0	0	0	0	0	0	0	0	0
Existing trails or greenways	0	0	0	0	0	0	0	0	0
Churches/religious facilities	0	0	0	0	0	0	1	0	1
Cemeteries	0	0	1	0	0	0	1	0	0
Recorded historic sites	0	0	0 ^	0 ^	0 ^	0	0	0	0
Known federally listed species habitat (NHP occurrence sites)	0	0	1 ^t	0	0	0	0	0	0
Hazardous material sites, landfills, dumps, or Superfund sites	0	0	40	0	0	0	1	0	0
Wetland natural systems (acres) based on the National Wetlands Inventory	9.2	0	34.0	6.9	45.6	4.6	0	16.3	31.6
Stream crossings	30	45	71	48	51	64	61	73	55
Length of stream channel (feet)	24,730	27,383	36,813	26,434	25,254	29,890	26,455	32,255	25,340
Length in miles	7.6	7.7	10.4	8.2	8.1	9.2	9.2	8.7	8.8
Construction costs (in millions)	\$47.1	\$47.7	\$43.7	\$50.8	\$50.2	\$57.0	\$38.6	\$53.9	\$54.6
Right-of-way costs (in millions)	\$14.1	\$14.3	\$13.1	\$15.3	\$15.1	\$17.1	\$11.6	\$16.2	\$16.4

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^ Local knowledge of these corridors reveals potential occurrences that are not documented in GIS databases.

^t "Destroyed" Cape Fear shiner population in Neill's Creek

SEGMENT D

Location: Harnett/Wake County line to northeast of Fuquay-Varina

Segment D	Corridor Alternatives					
	D3 <i>Existing US 401 Corridor</i>	D4 <i>Continuation of C4</i>	D5w <i>Fuquay-Varina Eastern Parkway</i>	D5e <i>Fuquay-Varina Eastern Parkway</i>	D6 <i>Continuation of C6</i>	D7 <i>Continuation of C7 and C8</i>
Evaluation Factors*						
Residences	321	56	82	88	89	103
Businesses	128	4	1	0	3	1
Schools	0	0	0	0	1	0
Parks/recreation areas	0	0	0	0	0	0
Existing trails or greenways	1	0	0	0	0	0
Churches/religious facilities	2	0	0	0	0	0
Cemeteries	0	0	0	0	0	0
Recorded historic sites	2	0	0	0	0	0
Known federally listed species habitat (NHP occurrence sites)	0	0	0	0	0	0
Hazardous material sites, landfills, dumps, or Superfund sites	25	1	0	0	0	0
Wetland natural systems (acres) based on the National Wetlands Inventory	0	2.8	29.6	33.9	1.5	39.4
Stream crossings	20	17	41	39	26	43
Length of stream channel (feet)	8,606	11,454	24,582	23,083	16,797	19,735
Length in miles	6.9	5.6	7.0	6.9	5.5	5.8
Construction costs (in millions)	\$9.0	\$34.9	\$37.8	\$37.3	\$34.1	\$36.0
Right-of-way costs (in millions)	\$1.6	\$10.5	\$22.7	\$22.4	\$10.2	\$10.8

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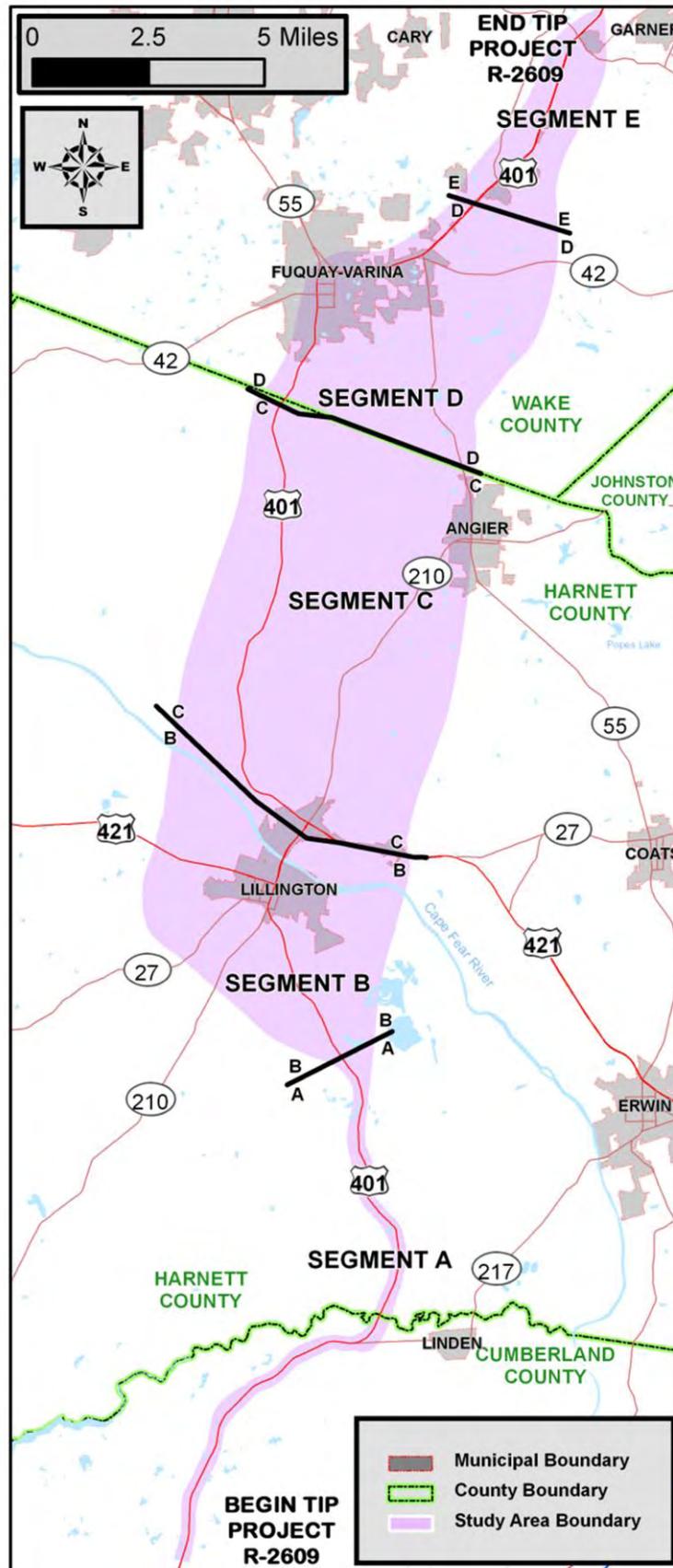
SEGMENT E

Location: Northeast of Fuquay-Varina to the end of the project at Ten-Ten Road

Segment E	Corridor Alternatives					
	E6w1	E6w2	E3	E6e1	E6e2	E7
Evaluation Factors*	<i>West of US 401</i>	<i>West of US 401</i>	<i>Existing US 401 Corridor</i>	<i>East of US 401</i>	<i>East of US 401</i>	<i>East of and on US 401</i>
Residences	173	189	144	82	82	137
Businesses	0	2	31	1	2	25
Schools	0	0	1	0	0	1
Parks/recreation areas	0	0	0	0	0	0
Existing trails or greenways	0	0	0	0	0	0
Churches/religious facilities	0	0	0	0	0	0
Cemeteries	0	0	1	0	0	1
Recorded historic sites	0	0	0	0	0	0
Known federally listed species habitat (NHP occurrence sites)	0	0	0	0	0	0
Hazardous material sites, landfills, dumps, or Superfund sites	0	0	2	0	0	0
Wetland natural systems (acres) based on the National Wetlands Inventory	29	32.3	12.6	46.0	46	11.8
Stream crossings	11	8	21	23	28	17
Length of stream channel (feet)	11,610	8,719	15,198	17,231	19,823	11,245
Length in miles	3.8	3.9	5.0	4.1	4.8	4.8
Construction costs (in millions)	\$23.6	\$24.2	\$68.5	\$25.4	\$29.8	\$53.8
Right-of-way costs (in millions)	\$14.1	\$14.5	\$41.1	\$15.3	\$17.9	\$29.3

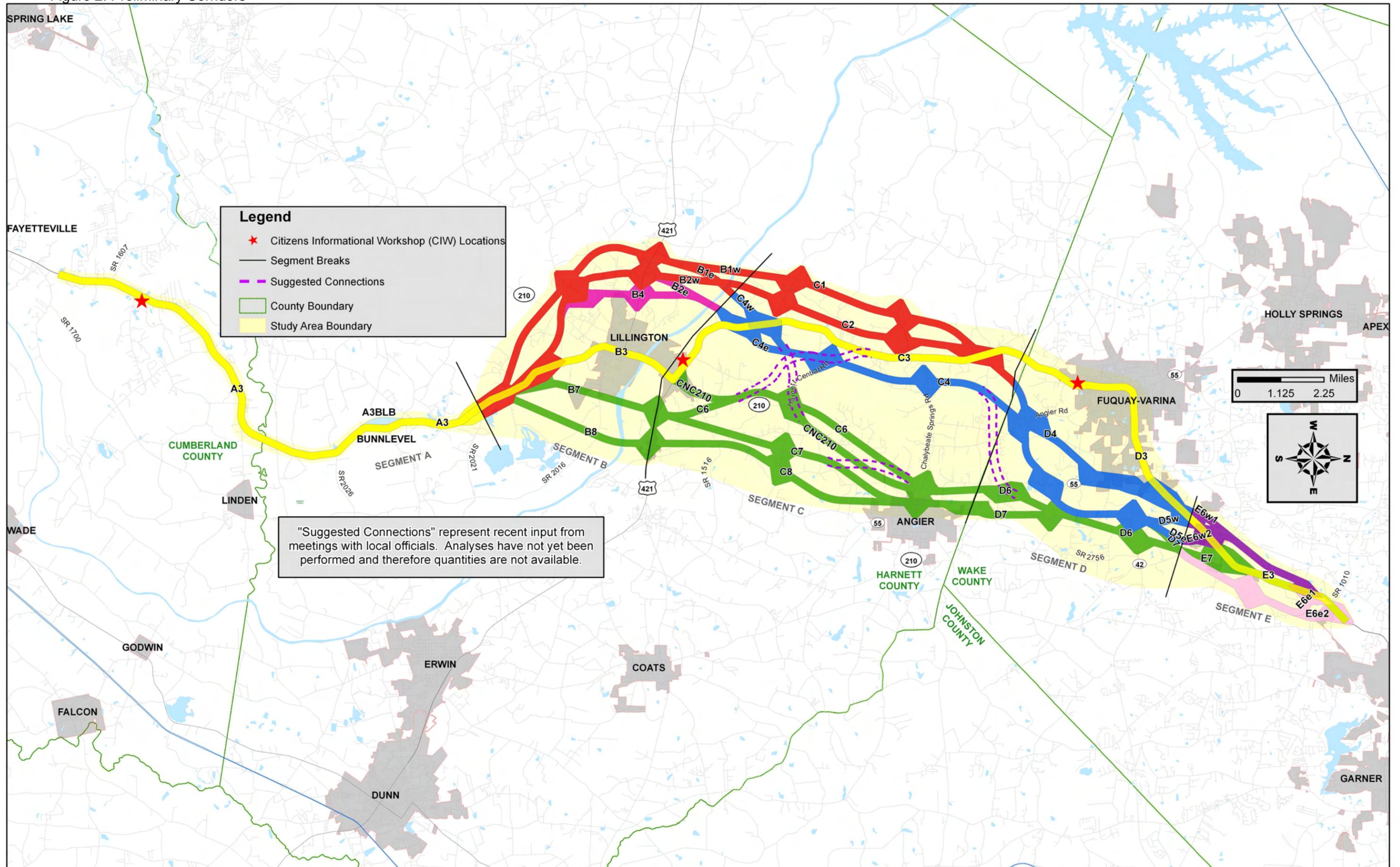
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Figure 1: Study Area Map



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Figure 2: Preliminary Corridors



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US 401 CORRIDOR STUDY



Through Cumberland, Harnett and Wake Counties

Citizens Informational Workshops
TIP No. R-2609 July 2011

Comment Sheet

[-Please Print-]

Name: _____

Email Address: _____

Mailing Address (including zip code): _____

How do you prefer to be notified of updates and public participation opportunities? E-Mail Mail

How did you hear about the meeting? Please check all that apply.

Newsletter Flyer Newspaper Radio Friend/Family Other: _____

Do you represent a group or organization? If so, please check your affiliation below:

Resident Business Local Official Interest Group Other: _____

Your comments are important to us. Please respond to the following questions. If you need more space, please attach additional comment sheets or paper.

1) Do you have any comments or suggestions about the preliminary corridors?

2) Please provide any additional comments or suggestions regarding the proposed project. Please identify any natural, cultural, or community resources in the project area that are important to you.

3) Please rate and comment on the public workshop materials and activities. (Rank items from 1 to 5, with 1 being poor or not effective to 5 being excellent or highly effective.)

Public Meeting Material	Poor to Excellent					Comments/Suggestions
Meeting notification	1	2	3	4	5	
Meeting length/time	1	2	3	4	5	
Presentation video	1	2	3	4	5	
Displays/handouts	1	2	3	4	5	
Discussion with project team	1	2	3	4	5	
Other:	1	2	3	4	5	

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U.S.
Postage
Required

John Richards, EI
 NC Department of Transportation
 1548 Mail Service Center
 Raleigh, NC 27699

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4) Other comments: You may attach additional sheets as needed.

TITLE VI PUBLIC INVOLVEMENT FORM

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

Meeting Type: Location:	Date:
TIP No.: Project Description:	

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 subjected 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 to the NCDOT Office of Civil Rights, Title VI Section at 1511 Mail Service Center, Raleigh, NC 27699-1511.

All forms will remain on file at the NCDOT as part of the public record.

Zip Code: _____	Gender: <input type="checkbox"/> Male <input type="checkbox"/> Female
Street Name: (i.e. Main Street) _____	Age: <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
Total Household Income: <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	Have a Disability: <input type="checkbox"/> Yes <input type="checkbox"/> No
Race/Ethnicity: <input type="checkbox"/> White <input type="checkbox"/> Black/African American <input type="checkbox"/> Asian <input type="checkbox"/> American Indian/Alaskan Native <input type="checkbox"/> Native Hawaiian/Pacific Islander <input type="checkbox"/> Hispanic/Latino <input type="checkbox"/> Other (please specify): _____	National Origin: (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"/> Chinese <input type="checkbox"/> Vietnamese <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) 508-1808 or toll free at 1-800-522-0453, or by email at slipscomb@ncdot.gov.

Thank you for your participation!



**NCDOT Office of Civil Rights
Title VI Section
1511 Mail Service Center
Raleigh, NC 27699-1511**