



# U.S. 401 / N.C. 39 Improvements

## From Burke Boulevard to Main Street (S.R. 1229)

LOUISBURG, N.C. | FRANKLIN COUNTY | STATE TRANSPORTATION IMPROVEMENT PROGRAM (STIP) PROJECT NOS. U-6024/R-3608

### Purpose of Tonight’s Meeting

The purpose of the meeting is to present project information and obtain your feedback. Tonight’s meeting will be an informal, drop-in style meeting with project maps and project information on display for public viewing. NCDOT representatives and consultant project team members are available to answer questions and receive comments regarding the project. All comments received will be reviewed and discussed by the project team and taken into consideration as the project develops.

### Project Description

The N.C. Department of Transportation proposes to improve U.S. 401/N.C. 39 from Burke Boulevard to Main Street (S.R. 1229) in Louisburg, Franklin County. The proposed improvements for each project include:

- STIP Project No. U-6024 – proposed conversion of U.S. 401/N.C. 39 as an existing five-lane roadway to a four-lane divided roadway (with bicycle/pedestrian accommodations) from Burke Boulevard to N.C. 56/ N.C. 581 (Nash Street).
- STIP Project No. R-3608 – proposed widening of U.S. 401/N.C. 39 to a four-lane median divided roadway from Nash Street to Main Street.

The purpose of these projects is to address congestion, delays and safety concerns on U.S. 401/N.C. 39. Bicycle and pedestrian facility improvements along the project corridor are also proposed as part of the projects’ purpose.

Traffic forecasts show that existing traffic is between 8,600 vehicles per day (vpd) and 23,600 vpd. By the design year 2040, travel forecast models estimate between 11,000 vpd and 30,200 vpd will travel along U.S. 401/N.C. 39 within the projects’ limits.

There were 402 crashes reported between May 2013 and April 2018. The most common crash patterns along this corridor were frontal impact (205) and rear end collisions (107). These crash types represent 51% and 27% of the total crashes, respectively.

Milestone	Date*
Kickoff Meeting	Summer 2018
Public Meeting	Fall 2019
Environmental Document	Summer 2020
Second Public Meeting	Summer/Fall 2020
Right of way Acquisition	Spring 2021
Begin Construction	Spring 2023

*\*Future dates are preliminary and subject to change*

### Additional Information

Project information, including the public meeting maps, is available on the following website:

<https://publicinput.com/US-401-Louisburg>



## Proposed Typical Cross Sections

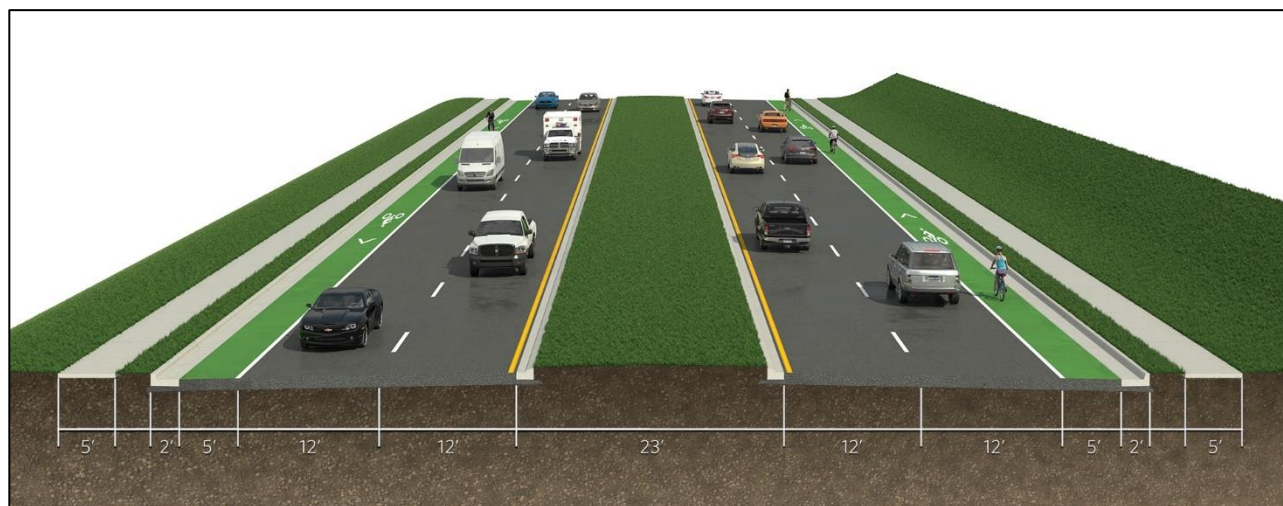
The proposed typical section within the limits of STIP Project Nos. U-6024/R-3608 is a four-lane median divided roadway. The proposed typical cross section includes:

Both Alternatives:

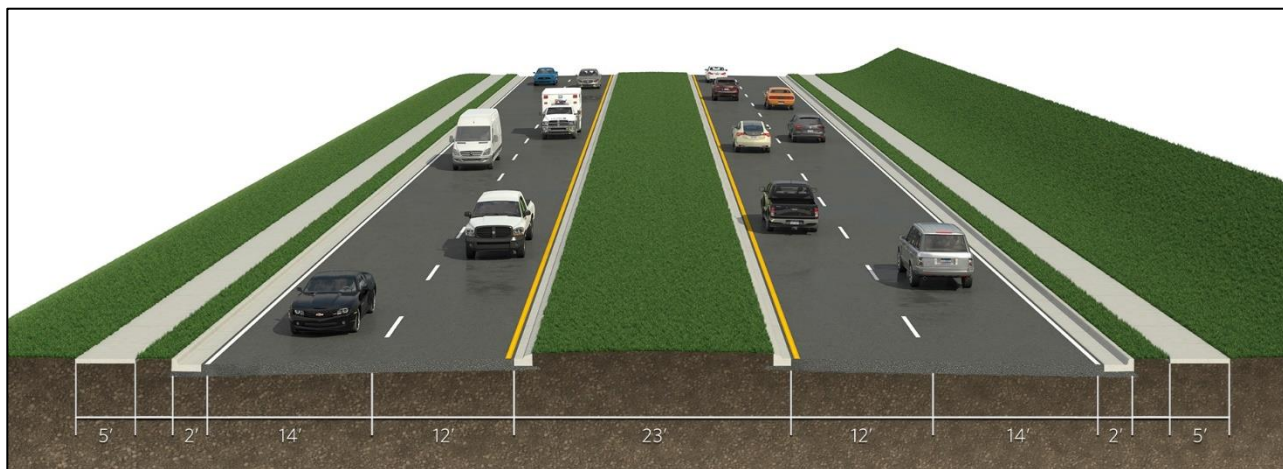
- Four travel lanes (two in each direction)
- 23-foot raised median
  - Median width varies depending on the presence of left-turn lanes
- Curb and gutter along inside and outside travel lanes
- Five-foot sidewalks

Bicycle provisions (see graphics below)

- Where five-foot bicycle lanes are proposed, the typical cross section includes four 12-foot travel lanes
- Where bicycle lanes are **not** proposed, the typical cross section includes two 12-foot inside lanes and two 14-foot outside travel lanes



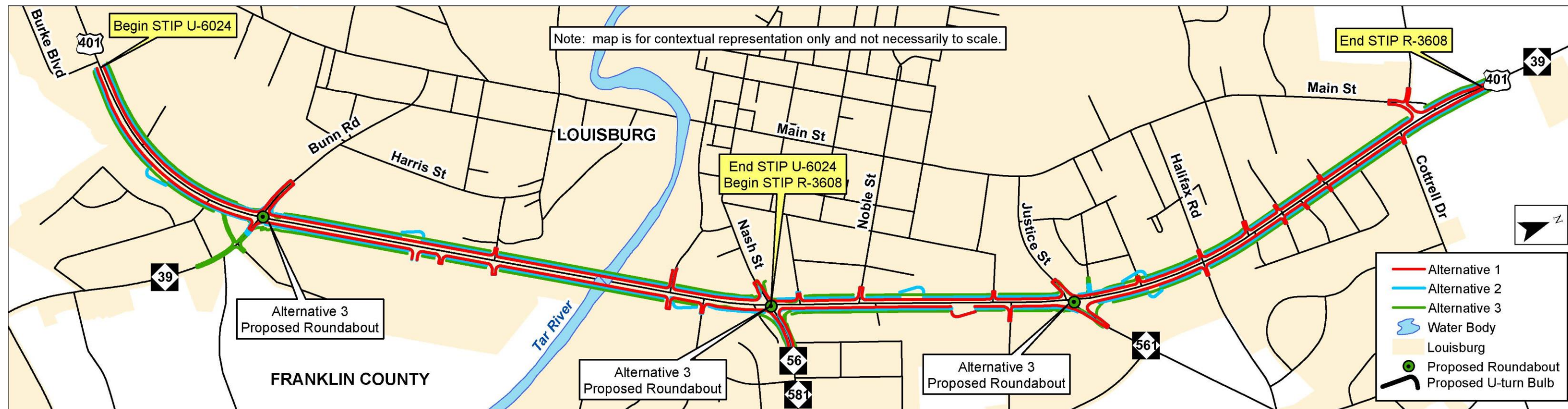
**Typical Cross Section with Five-Foot Bike Lanes**



**Typical Cross Section without Bike Lanes**

Additional right-of way and temporary easements may be required for construction. During construction, traffic will be maintained within the existing corridor with temporary lane and shoulder closures.

There are utilities located in the project area that may need to be relocated as part of this project. NCDOT will coordinate with residences, businesses, and utility companies as the project progresses.



**Proposed Design Concepts**

NCDOT is studying three concepts to improve U.S. 401/N.C. 39 (see map above):

- Alternative 1:** proposes traditional widening and conventional (all-movement) intersection improvements with a single U-turn on the corridor.
- Alternative 2:** utilizes Reduced Conflict Intersection (RCI) principles to improve efficiency along the corridor by routing some left-turning movements through U-turns.
- Alternative 3:** proposes improvements using roundabouts at three major intersections along the corridor.
  - U.S. 401/N.C. 39/Bunn Road
  - U.S. 401/N.C. 39/N.C. 581/N.C. 56/Nash Street
  - U.S. 401/N.C. 39/N.C. 561/Justice Street

**What is a Roundabout Intersection?**

A roundabout is easy to drive through once you understand how it works. As you approach it, you'll see a yellow "roundabout ahead" sign, indicating you should slow down.

For more information about Roundabouts, please visit the following link:  
<https://www.ncdot.gov/initiatives-policies/Transportation/safety-mobility/roundabouts/Pages/default.aspx>

**What is a Reduced Conflict Intersection (RCI)?**

A Reduced Conflict Intersection (RCI) is a general term used to describe several types of designs that may be used to improve safety and traffic flow on a highway. While there are variations to the designs, they all function the same at reducing conflicts for drivers and pedestrians – hence the term Reduced Conflict Intersection.

With the most common type of RCI design, drivers on the main road follow their usual paths, but raised medians redirect drivers from the side road into turning right. When there is a safe opening in traffic, drivers turn right to easily enter the flow of traffic on the main route. To go the other direction, or cross the highway, they pull into a dedicated lane, typically less than 1,000 feet away, to make a U-turn. There may be a traffic signal at this location.

**RCI Statistics**

- 46% reduction in crashes at unsignalized RCI intersections compared to conventional intersections (N.C. State final report to NCDOT in 2010)
- 15% reduction in crashes at signalized RCI intersections compared to conventional intersections (Federal Highway Administration report, November 2017)

For more information about RCI please visit the following link:  
<https://www.ncdot.gov/initiatives-policies/Transportation/safety-mobility/superstreets/Pages/default.aspx>

**Estimated Project Costs**

The project is included in the STIP as Project Nos. U-6024/R-3608:

Estimated Costs*	STIP U-6024	STIP R-3608
Planning	\$565,000	\$750,000
ROW	\$2,697,000	\$3,200,000
Utilities	\$500,000	\$500,000
Construction	\$14,500,000	\$12,490,000
<b>Total</b>	<b>\$18,262,000</b>	<b>\$16,940,000</b>

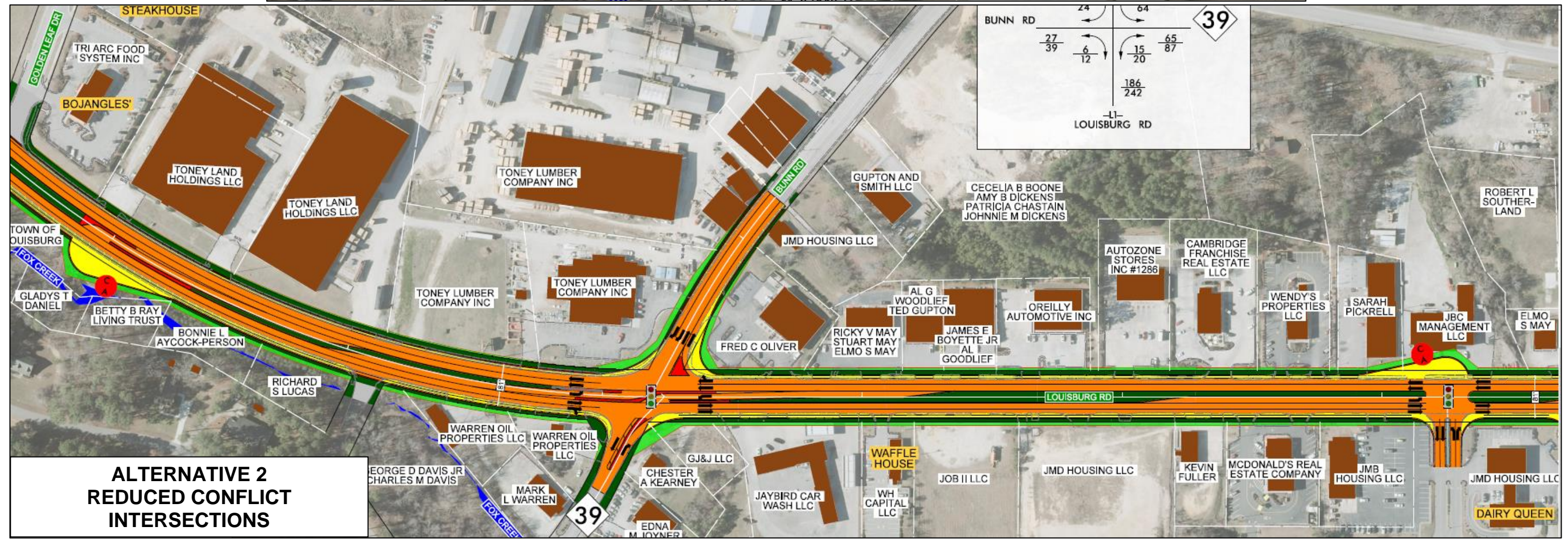
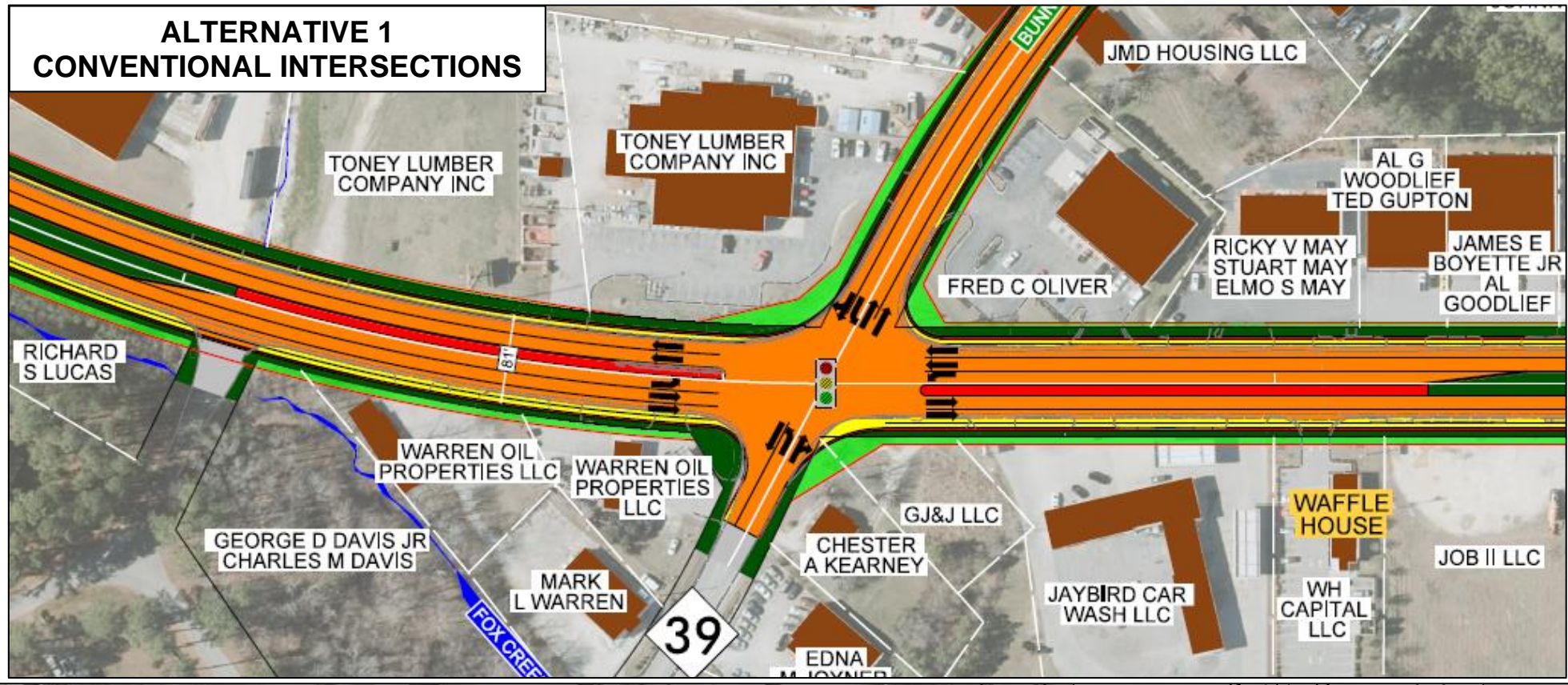
\*Costs are based on the 2020-2029 STIP and are subject to change.

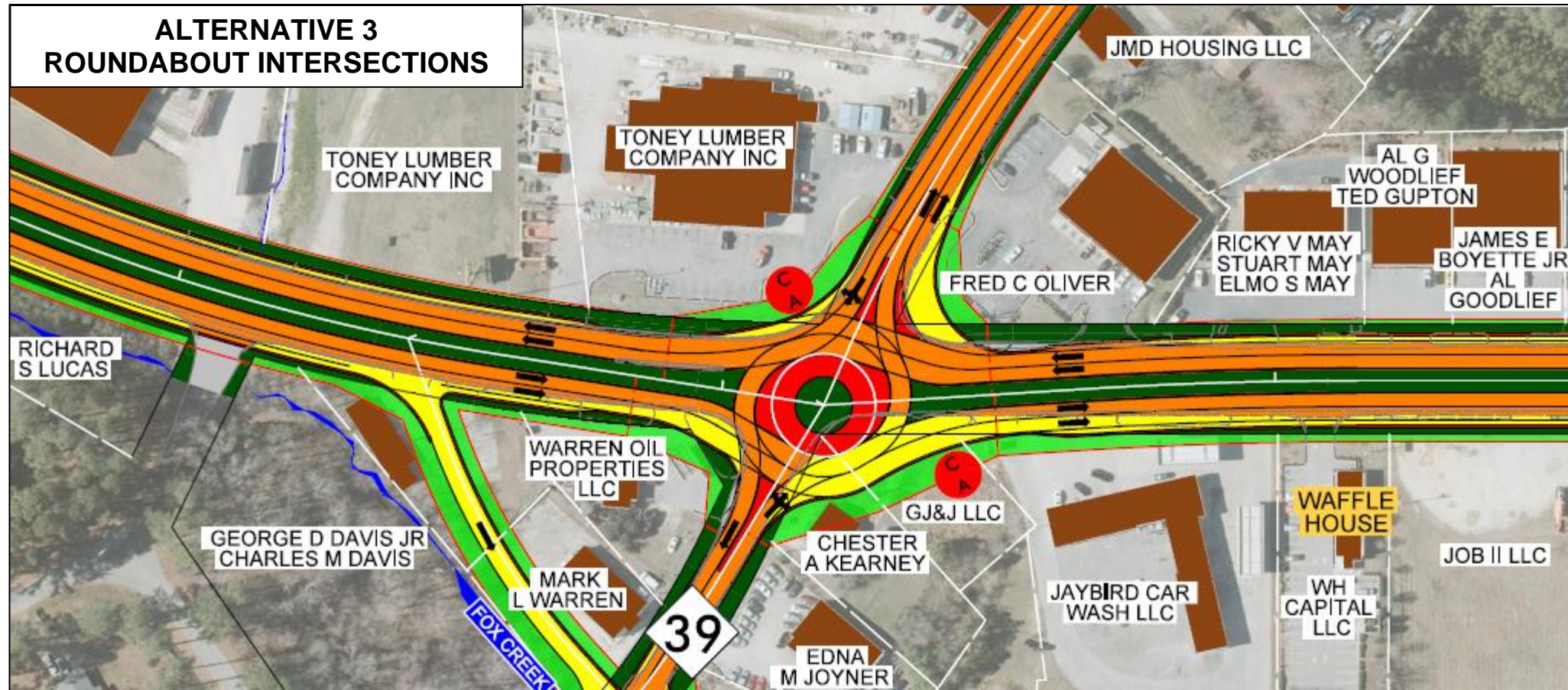
**Project Contacts**

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# NOTES





# 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.

<b>Meeting Type:</b> Public Meeting <b>Location:</b> Louisburg College Jordan Student Center (Alumni Room) 501 N Main Street, Louisburg, NC 27549	<b>Date:</b> November 7, 2019
<b>STIP Nos.:</b> U-6024/R-3608 <b>Project Description:</b> U.S. 401/N.C. 39 Improvements from Burke Boulevard to Main Street (S.R. 1229)	

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 Environmental Analysis Unit, 1598 Mail Service Center, Raleigh, NC 27699-1598. All forms will remain on file at the NCDOT as part of the public record.

<b>Zip Code:</b> _____  <b>Street Name:</b> (i.e. Main Street) _____	<b>Gender:</b> <input type="checkbox"/> Male <input type="checkbox"/> Female
<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>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>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>Have a Disability:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No
	<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) 508-1808 or toll free at 1-800-522-0453, or by email at [titleVI@ncdot.gov](mailto:titleVI@ncdot.gov).

Thank you for your participation!



**NCDOT - EAU**  
**1598 Mail Service Center**  
**Raleigh, NC 27127-1598**

**NCDOT – Environmental Analysis Unit**  
**Attn: Tony Gallagher**  
**1598 Mail Service Center**  
**Raleigh, NC 27699-1598**





From:

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