



# PROPOSED IMPROVEMENTS TO THE U.S. 74 & U.S. 76/S.R. 1409 INTERSECTION

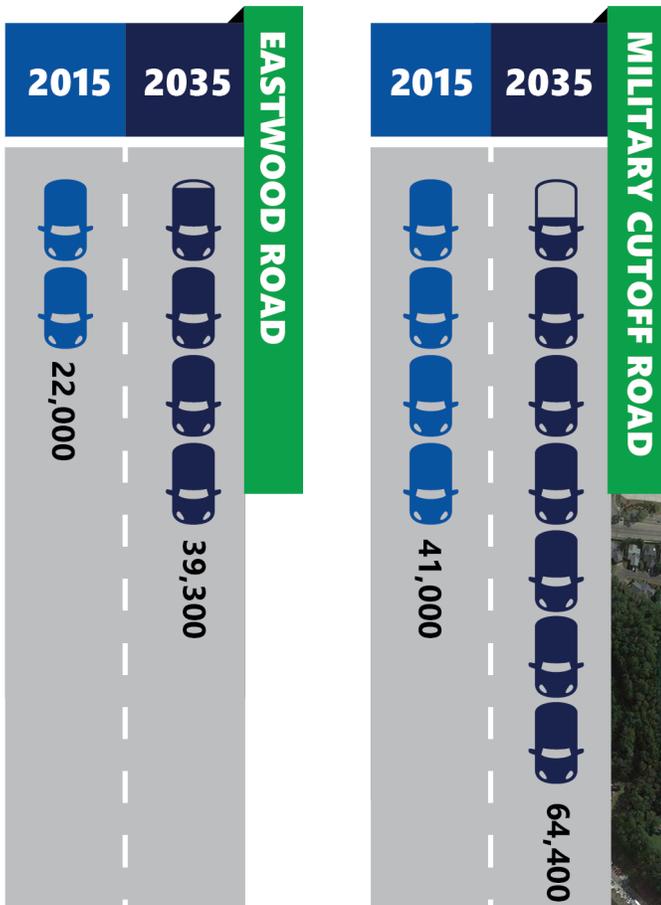
U.S. 74 (Eastwood Road) and U.S. 76/S.R. 1409 (Military Cutoff Road) Intersection in Wilmington, New Hanover County, NC

## TIP Project U-5710

The North Carolina Department of Transportation has been working to identify potential solutions to address traffic congestion, improve traffic carrying capacity and increase safety at the Eastwood Road and Military Cutoff Road intersection in Wilmington.

## Traffic Data

Traffic counts are expected to increase significantly in the next 20 years. The proposed improvements will accommodate a higher traffic capacity while maintaining an acceptable speed of travel through the corridor.



## Purpose of the Meeting

The purpose of the meeting is to allow the local community and project stakeholders an opportunity to:

- Provide information on the proposed improvements.
- Obtain feedback from area residents concerning the project.
- Gather input from the public or interested organizations about other resources in the area.

This meeting is being conducted in an informal, open house format. Participants are encouraged to review area maps and to discuss any questions or concerns with members of the project team. You are also encouraged to provide written comments by September 11, 2017.

## Project Area

This project is located in Wilmington, NC at the U.S. 74 (Eastwood Road) and U.S. 76/S.R. 1409 (Military Cutoff Road) intersection.



# Public Meeting - Open House Format

## TIME

**AUGUST 21, 2017**

4:00 -7:00 p.m.  
*open house format*

## PLACE

**NORTHEAST REGIONAL LIBRARY**

Oleander Room  
1241 Military Cutoff Road  
Wilmington, NC 28405

### Project Contact Information

Comments can be placed in the comment box, mailed, or emailed to Michael Bass (information below). Please provide comments by September 11, 2017.

If you need additional information or would like to discuss the project further, please contact the following project representative:



#### Mail comments to:

Michael Bass  
Project Manager  
5501 Barbados Boulevard  
Castle Hayne, NC 28429



#### Email comments to:

mlbass@ncdot.gov



#### Online:

You can also visit [www.ncdot.gov/projects/publicmeetings](http://www.ncdot.gov/projects/publicmeetings) for more Information.

### Our Mission:

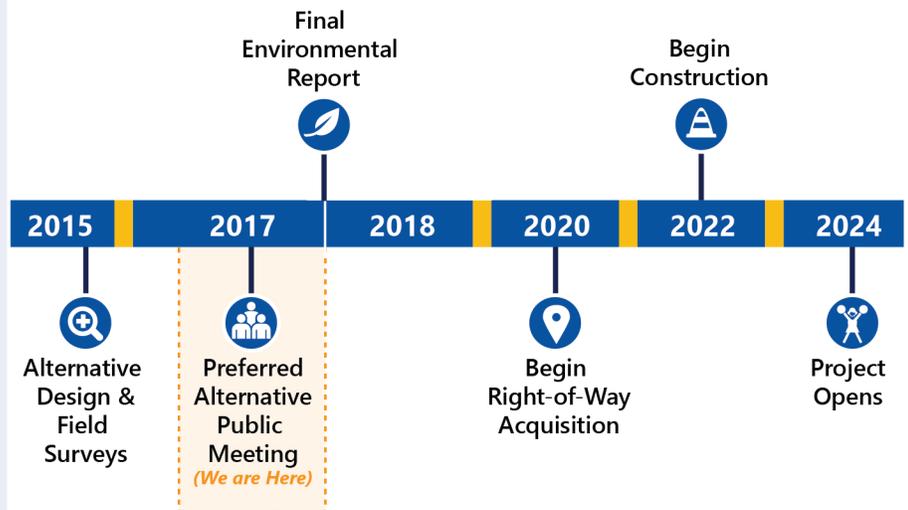
Connecting people, products and places safely and efficiently with customer focus, accountability and environmental sensitivity to enhance the economy and vitality of North Carolina.

### Design Considerations

There are many different travel, design and construction components to consider when evaluating the alternatives for this project. During the design process, our engineers have considered all of the following requirements to determine the best possible alternatives for your consideration.

- Pedestrian & Bicycle Movements
- Future Greenway Connections
- Transit Stops and Movements
- Signalization and Adaptive Signals
- Access to Adjacent Properties

### Project Schedule\*

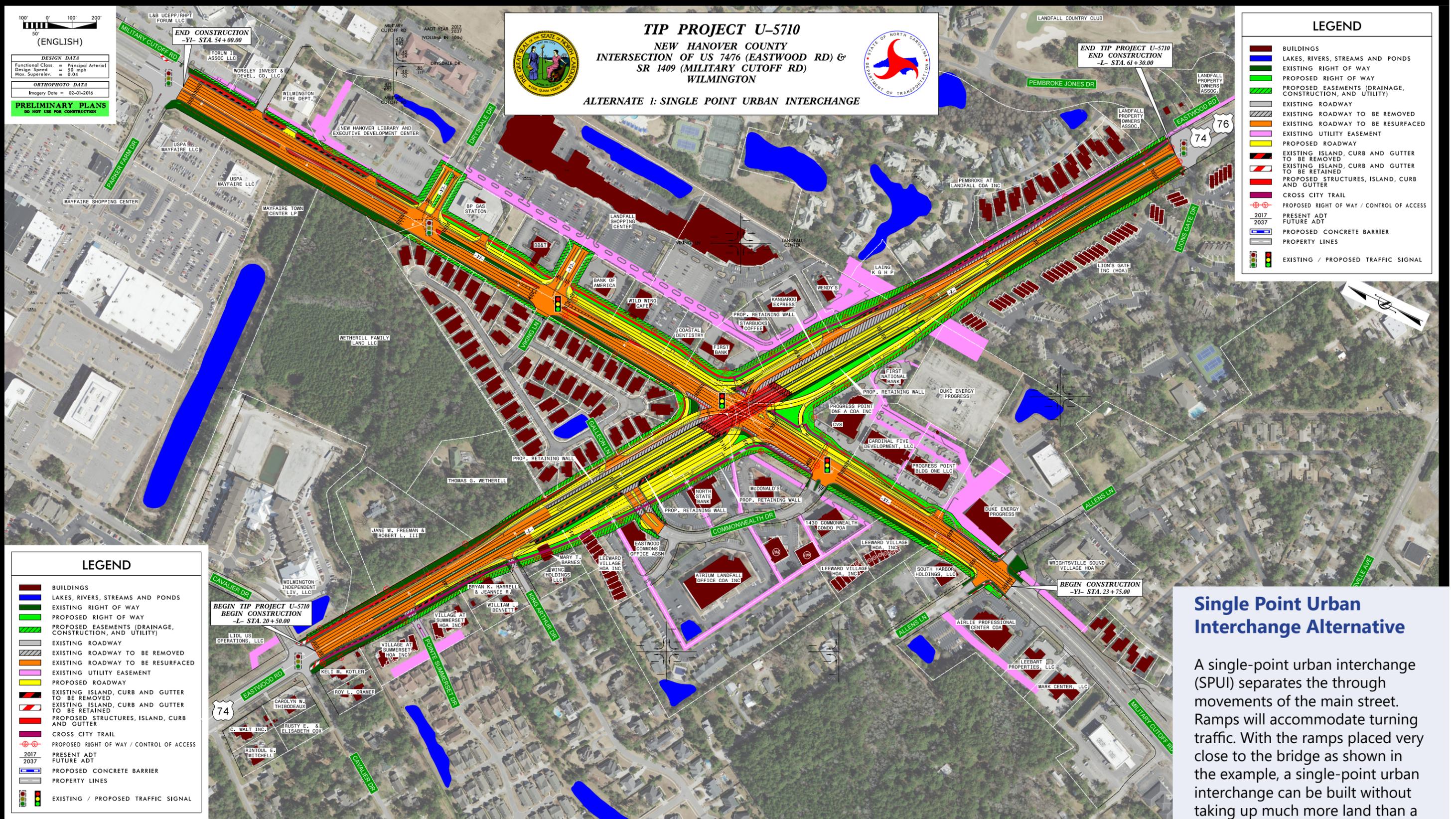


*\*Schedule is subject to funding and may change.*

### Project Budget:

\$25.8 million

# PROPOSED ALTERNATIVES



## Single Point Urban Interchange Alternative

A single-point urban interchange (SPUI) separates the through movements of the main street. Ramps will accommodate turning traffic. With the ramps placed very close to the bridge as shown in the example, a single-point urban interchange can be built without taking up much more land than a conventional intersection.

This plan view shows the footprint and traffic patterns planned for the SPUI alternative.

# PROPOSED ALTERNATIVES

100' 0' 100' 200'  
50'  
(ENGLISH)

**DESIGN DATA**  
Functional Class = Principal Arterial  
Design Speed = 50 mph  
Max. Superlev. = 0.04

**ORTHO PHOTO DATA**  
Imagery Date = 02-01-2016

**PRELIMINARY PLANS**  
DO NOT USE FOR CONSTRUCTION

**TIP PROJECT U-5710**  
NEW HANOVER COUNTY  
INTERSECTION OF US 7476 (EASTWOOD RD) &  
SR 1409 (MILITARY CUTOFF RD)  
WILMINGTON

**ALTERNATE 2: NORTHWEST QUADRANT**

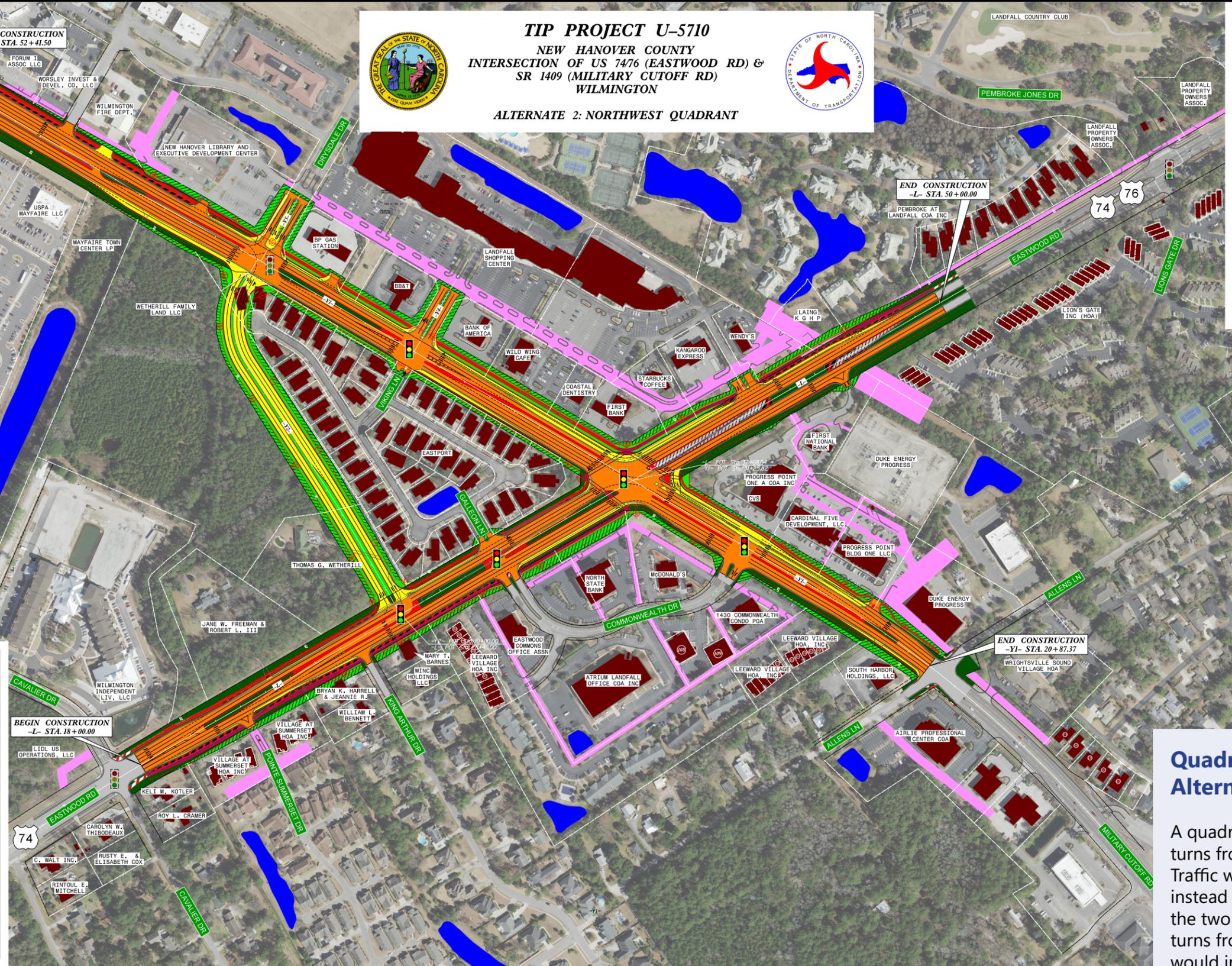



**LEGEND**

- BUILDINGS
- LAKES, RIVERS, STREAMS AND PONDS
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
- EXISTING ROADWAY
- EXISTING ROADWAY TO BE REMOVED
- EXISTING ROADWAY TO BE RESURFACED
- EXISTING UTILITY EASEMENT
- PROPOSED ROADWAY
- EXISTING ISLAND, CURB AND GUTTER TO BE REMOVED
- EXISTING ISLAND, CURB AND GUTTER TO BE RETAINED
- PROPOSED STRUCTURES, ISLAND, CURB AND GUTTER
- CROSS CITY TRAIL
- PROPOSED RIGHT OF WAY / CONTROL OF ACCESS
- 2017 PRESENT ADT
- 2037 FUTURE ADT
- PROPOSED CONCRETE BARRIER
- PROPERTY LINES
- EXISTING / PROPOSED TRAFFIC SIGNAL

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## Quadrant Intersection Alternative

A quadrant intersection removes left turns from the main intersection. Traffic wishing to turn left would instead utilize a roadway connecting the two main streets. Removing left turns from the main intersection would improve the efficiency of the intersection.

This plan view shows the footprint and traffic patterns planned for the quadrant intersection alternative.