

U-5516 Intersection Improvements to U.S. 501 (Roxboro Road)



at S.R. 1448 (Latta Road)/ S.R. 1639 (Infinity Road) in Durham

Public Meeting

August 10, 2015



**NCDOT is on
the Web!**
www.ncdot.gov

Public involvement is an important part of the planning process.

The NCDOT encourages citizen involvement on transportation projects, and will consider your suggestions and address your concerns. If you have transportation questions on other projects, call our Customer Service Center toll-free at 1-877-DOT-4YOU, or visit the NCDOT website at www.ncdot.gov.

Project Description

The North Carolina Department of Transportation (NCDOT) proposes to improve the intersection at U.S. 501 (Roxboro Road) and S.R. 1448 (Latta Road)/ S.R. 1639 (Infinity Road) in Durham. The proposed improvements extend approximately 0.2 mile along each approach. Additional turn lanes and a median are proposed to decrease congestion and delays on U.S. 501 at the intersection. Sidewalks are proposed on each approach and bike lanes are proposed along Latta Road and Infinity Road.

The project is included in the 2016-2025 State Transportation Improvement Program (STIP) and is scheduled for right of way acquisition in fiscal year (FY) 2018 and construction in FY 2019.

Proposed Improvements

Detailed planning, engineering, and environmental studies are underway. NCDOT is evaluating options to improve operations and safety while reducing the project's effects on the community and the environment. The following improvements are proposed in the intersection area (refer to the public meeting map and proposed typical sections).

Roxboro Road currently has five lanes.

- ◆ It is to be widened to provide four through lanes, a median with a left turn lane, a right turn lane, and sidewalks.
- ◆ U-turn and left turn provisions are proposed near Omega Road and Eno Square shopping center.

Latta Road currently has three lanes.

- ◆ It is to be widened to provide two through lanes, two left turn lanes, a right turn lane, bike lanes, and sidewalks.
- ◆ Left turn provisions are included along westbound Latta Road to access Eno Square shopping center.

Infinity Road currently has three lanes.

- ◆ It is to be widened to provide two through lanes, two left turn lanes, a shared right turn lane, bike lanes, and sidewalks.
- ◆ A U-turn location is proposed near High Meadow Road.

Why is the Project Needed?

Currently, traffic delays and congestion occur during peak periods. The intersection is approaching its traffic carrying capacity. As traffic increases over the next few years, the intersection will reach its capacity and delays will reach unacceptable levels. In 20 years, if no improvements are made, peak hour conditions will be characterized by stop-and-go traffic.

The proposed intersection upgrades will alleviate congestion, improve traffic flow, reduce delays, and enable the intersection to operate acceptably through the design life of the project. The improvements will also reduce the potential for vehicle crashes and enhance safety for pedestrian and bicyclists.

Project Study Area

Intersection Improvements to U.S. 501 (Roxboro Road) at S.R. 1448 (Latta Road) and S.R. 1639 (Infinity Road) in Durham

Project Schedule*

Environmental Document — Fall 2016

Right of Way Acquisition — Fiscal Year (FY) 2018

Construction — FY 2019

*Schedules are subject to funding

Project Contact Information

A copy of the public meeting map can be viewed on the NCDOT public meetings website at:

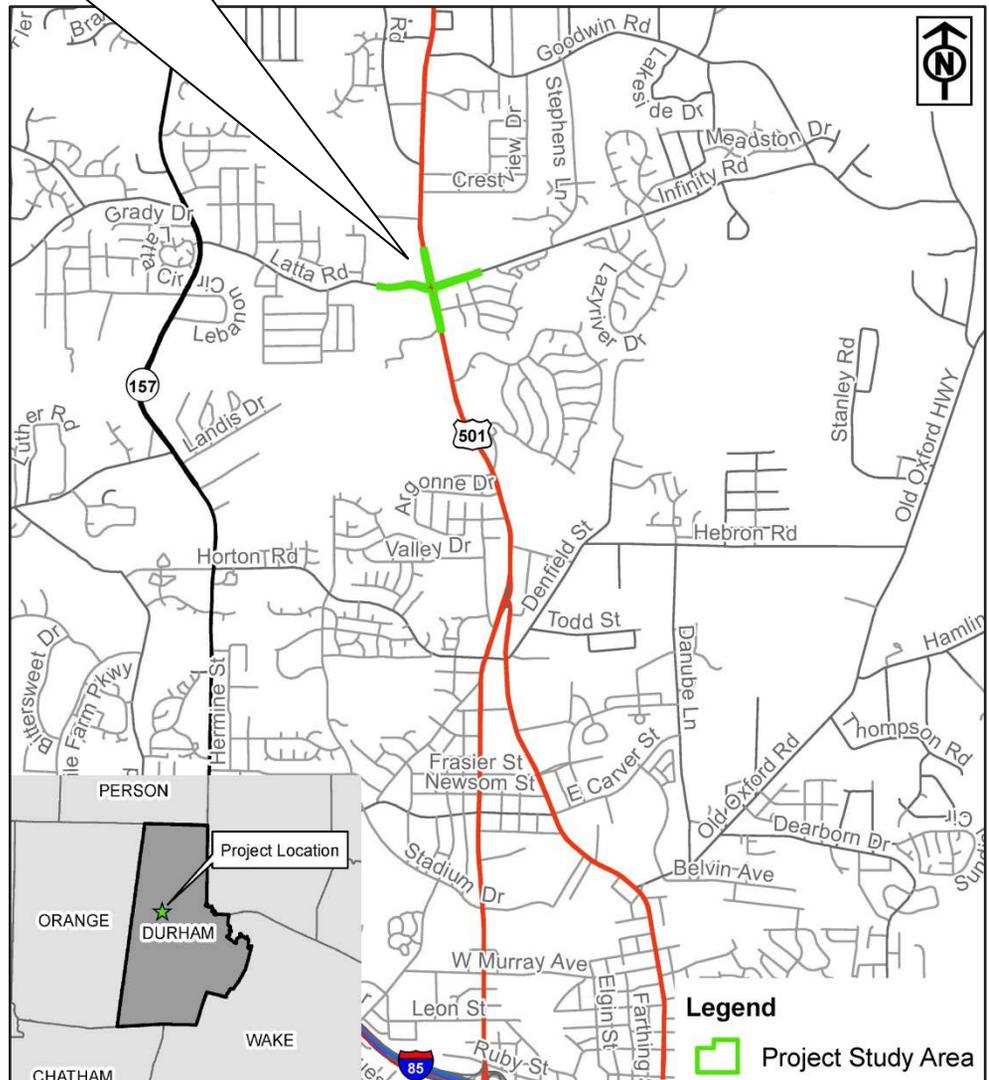
<http://www.ncdot.gov/projects/publicmeetings/>

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

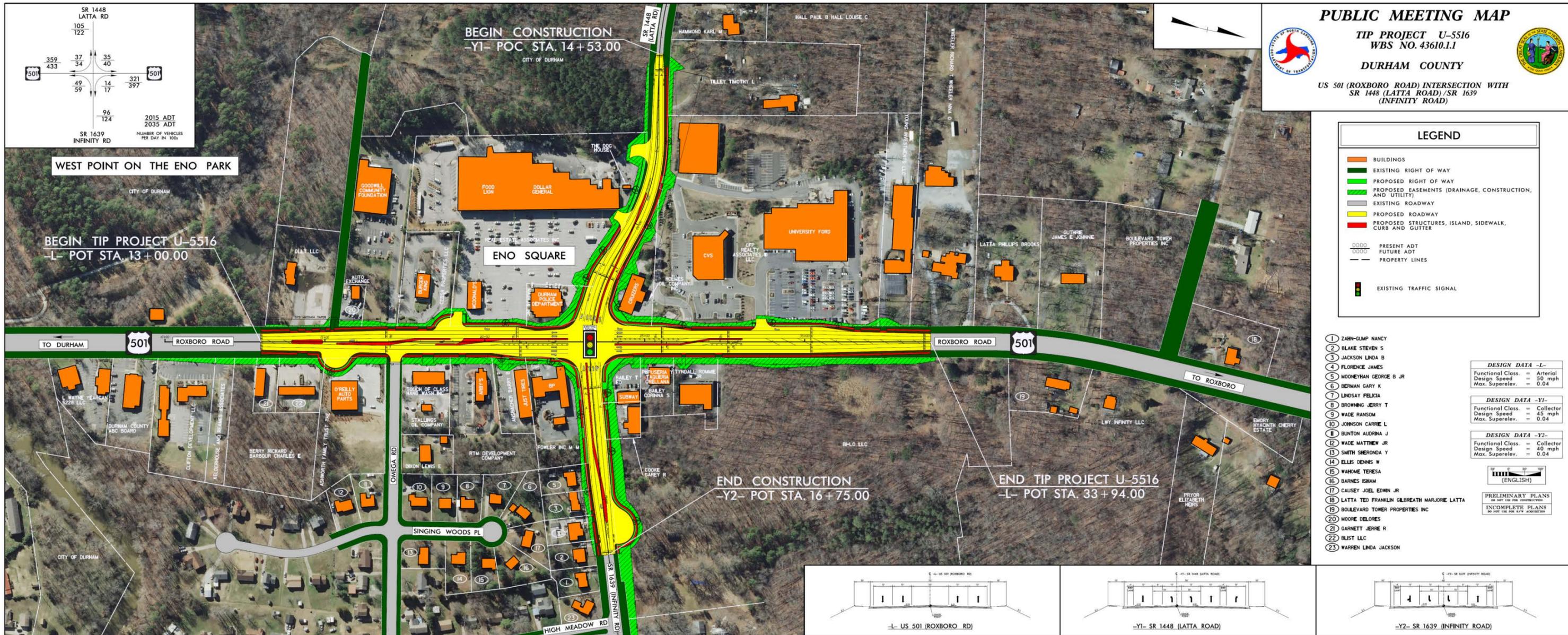
NCDOT PDEA Unit
1548 Mail Service Center
Raleigh, NC 27699-1548

Natalie Lockhart
(919) 707-6175
nnlockhart@ncdot.gov

Undrea Major
(919) 707-6028
ujmajor@ncdot.gov



Public Meeting Map



PUBLIC MEETING MAP

TIP PROJECT U-5516
WBS NO. 43610.1.1

DURHAM COUNTY

US 501 (ROXBORO ROAD) INTERSECTION WITH
SR 1448 (LATTA ROAD)/SR 1639
(INFINITY ROAD)

LEGEND

- BUILDINGS
 - EXISTING RIGHT OF WAY
 - PROPOSED RIGHT OF WAY
 - PROPOSED EASEMENTS (DRAINAGE, CONSTRUCTION, AND UTILITY)
 - EXISTING ROADWAY
 - PROPOSED ROADWAY
 - PROPOSED STRUCTURES, ISLAND, SIDEWALK, CURB AND GUTTER
-
- PRESENT ADT
 - FUTURE ADT
 - PROPERTY LINES
-
- EXISTING TRAFFIC SIGNAL

- 1 ZAHN-GUMP NANCY
- 2 BLAKE STEVEN S
- 3 JACKSON LINDA B
- 4 FLORENCE JAMES
- 5 MOONEYHAN GEORGE B JR
- 6 BERMAN GARY K
- 7 LINDSAY FELICIA
- 8 BROWNING JERRY T
- 9 WADE RANSOM
- 10 JOHNSON CARRIE L
- 11 BUNTON AURORA J
- 12 WADE MATTHEW JR
- 13 SMITH SHERONDA Y
- 14 ELLIS DENNIS W
- 15 WAHONE TERESA
- 16 BARNES ISHAM
- 17 CAUSEY JOEL EDWIN JR
- 18 LATTA TED FRANKLIN GLOBREATH MARJORIE LATTA
- 19 BOULEVARD TOWER PROPERTIES INC
- 20 MOORE DELORES
- 21 GARNETT JERRE R
- 22 BLIST LLC
- 23 WARREN LINDA JACKSON

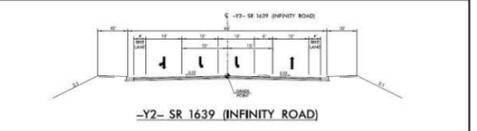
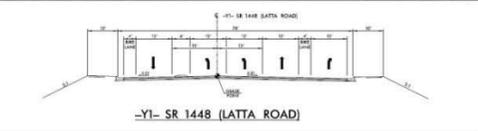
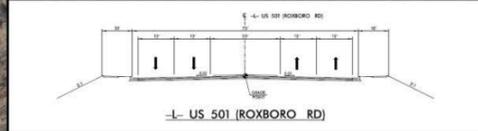
DESIGN DATA -L-
Functional Class. = Arterial
Design Speed = 50 mph
Max. Superelev. = 0.04

DESIGN DATA -Y1-
Functional Class. = Collector
Design Speed = 45 mph
Max. Superelev. = 0.04

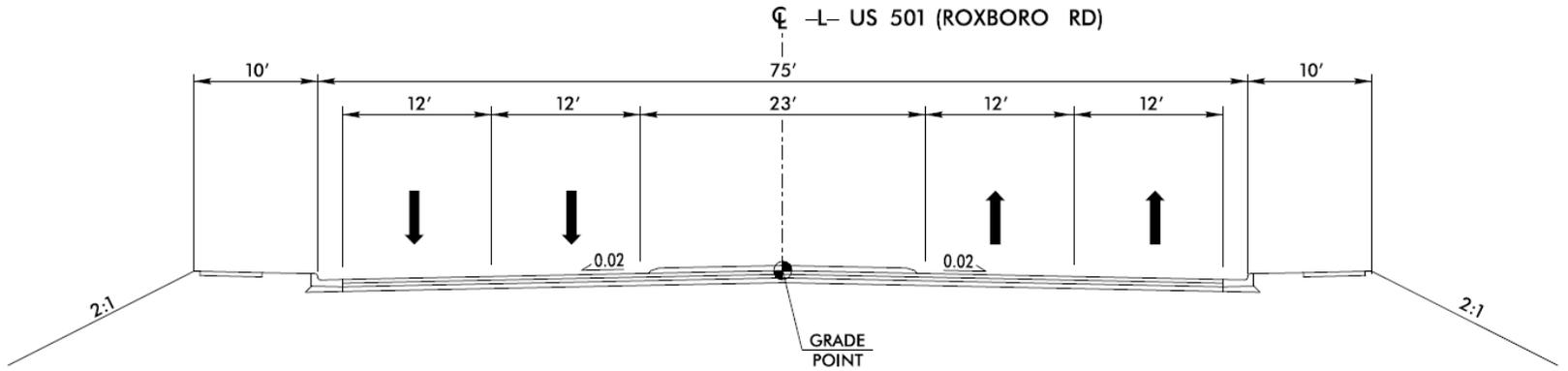
DESIGN DATA -Y2-
Functional Class. = Collector
Design Speed = 40 mph
Max. Superelev. = 0.04

1" = 100'
(ENGLISH)

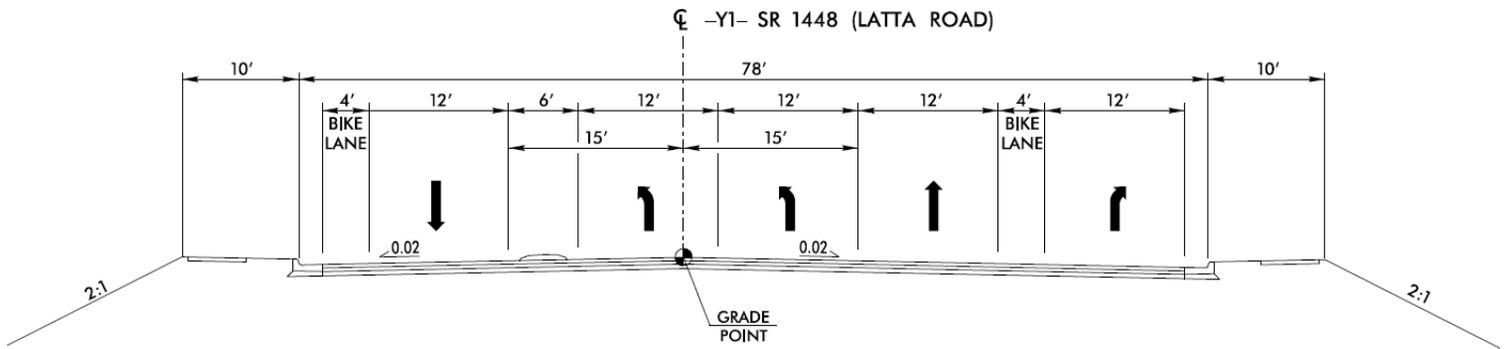
PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION
INCOMPLETE PLANS
DO NOT USE FOR R.F.W. ACQUISITION



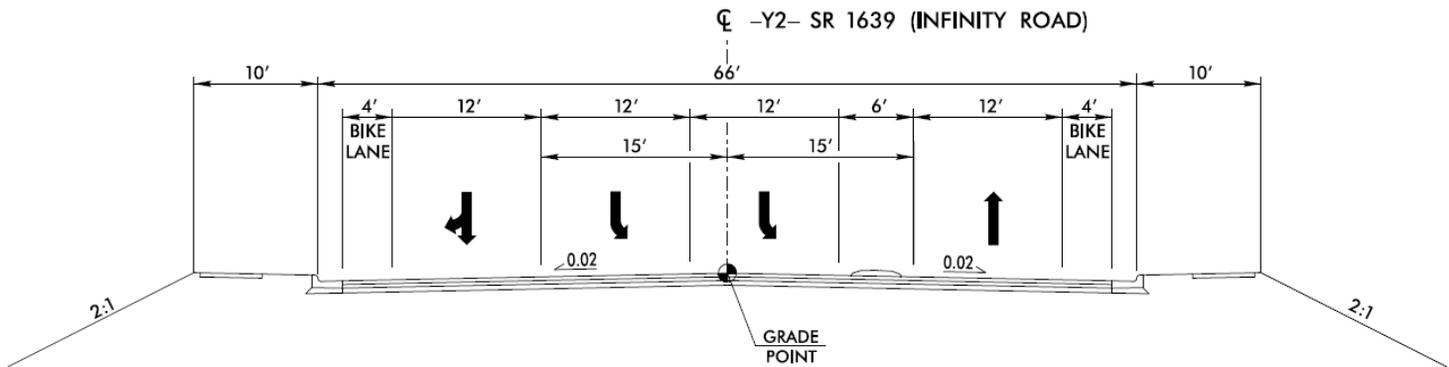
Proposed Typical Sections



-L- US 501 (ROXBORO RD)



-Y1- SR 1448 (LATTA ROAD)



-Y2- SR 1639 (INFINITY ROAD)



**Atn: Natalie Lockhart
NCDOT - PDEA Unit
Project Development Engineer
1548 Mail Service Center
Raleigh, NC 27699-1548**