

TRANSPORTATION

City of Raleigh Local Update

Triangle Bike & Ped Workshop
3/29/2019



Raleigh



BikeRaleigh Plan





Raleigh

Complete Streets Implemented

Buck Jones, Pullen Extension, Hillsborough Ph 2



The City has CIP/Bond-funded projects it implements every year. Some highlights from 2018 above.



Before



After



Annual Resurfacing Program

Various Locations

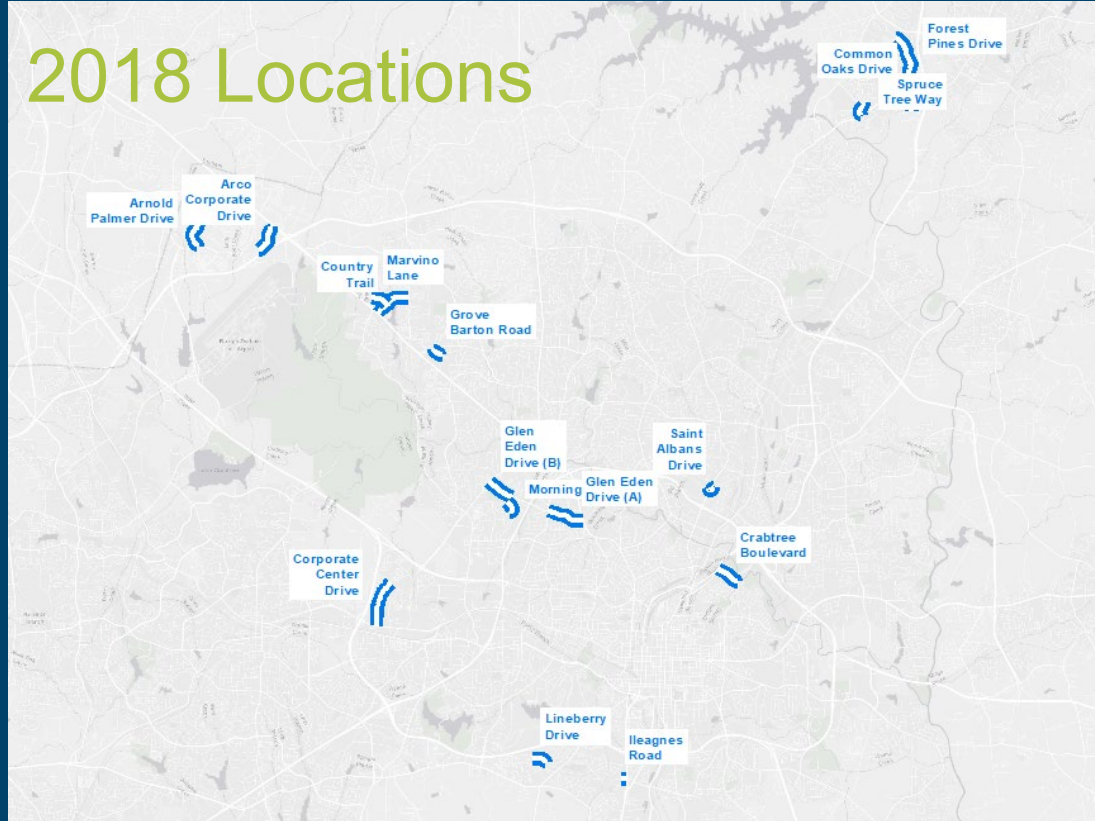
When streets are resurfaced the City installs bicycle facilities where context and right of way allow.





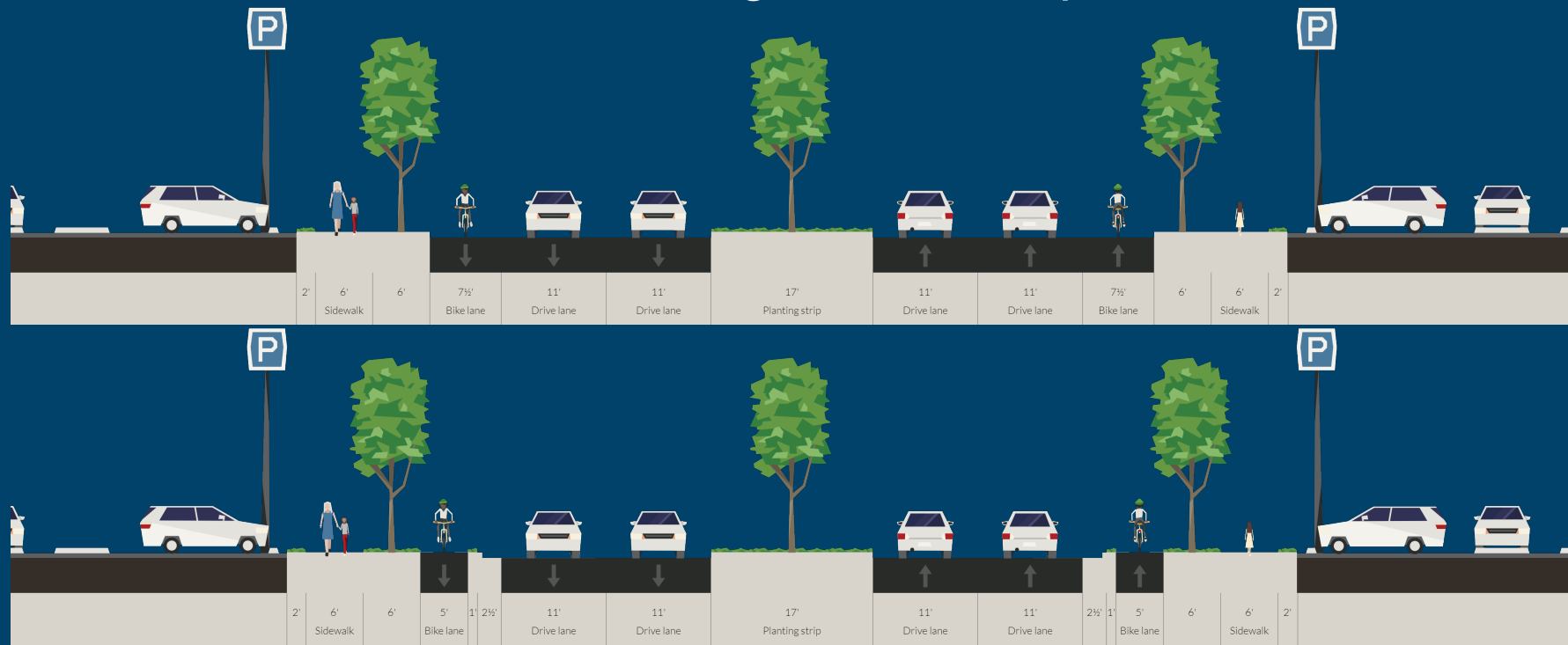
Annual Resurfacing Program

2018 Locations



Policy Changes

UDO Street Design Manual Update





BIKESHARE!

Citrix Cycle Is Live-Soft Launch March 16



www.citrixcycle.com



Raleigh

BIKE SIGNALS!!!

The City has blanket approval from FHWA to install bicycle signals



1200 New Jersey Avenue, SE
Washington, D.C. 20590

MAR 18 2019

In Reply Refer to:
HOTO-1

Jed Niffenegger, P.E.
City Traffic Engineer
City of Raleigh
Department of Transportation
P.O. Box 590
Raleigh, North Carolina 27602

Dear Mr. Niffenegger:

Thank you for your letter of August 25 requesting approval to use bicycle signal faces for bicycle facilities on a city-wide basis in the City of Raleigh. Your request was made under the provisions of Section 1A.10 in the 2009 edition of the *Manual on Uniform Traffic Control Devices for Streets and Highways* (MUTCD) and the Federal Highway Administration's (FHWA) Interim Approval Memorandum (IA-16) dated December 24, 2013.

Your request is approved city-wide, but be aware that you must request and obtain the prior approval of the North Carolina DOT for any location that is on the State highway system.

Please maintain and periodically update a list of all locations where bicycle signal faces are installed in the City of Raleigh. Per Paragraphs 20 and 21 of Section 1A.10, please inform the North Carolina DOT of the locations of such use and please check for any State laws and/or directives covering the application of the MUTCD provisions that might exist in North Carolina.

For recordkeeping purposes, we have assigned you the following Interim Approval number and title: "IA-16.55 – Bicycle Signal Faces – City of Raleigh, North Carolina". Please reference this number in any future correspondence.

Thank you for your interest in improving bicycle safety. If we can be of further assistance on this matter, please contact Mr. Duane Thomas at duane.thomas@dot.gov.

Sincerely yours,

Mark R. Kehrli
Director, Office of Transportation
Operations



Greenways

Structure 98 Replacement on the Neuse River Trail

*My colleagues in
Parks & Rec
handle greenways*





Sidewalk Projects

Various CIP/ Bond Funded

There are 25 major
sidewalk CIP projects in
the pipeline or recently
completed





Sidewalk Projects

Petition Program

The City has a neighborhood-initiated sidewalk process to install sidewalks in residential areas. These are mostly retrofits. This is Smallwood Drive.





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Microgap Program

The City has a program to fill small gaps in the network.

The program was on hold last year but is being re-bid and will be back on track this year.





Raleigh

There is more!

Visit our website if you want to see a detailed list of projects or dive into the details of a specific project.

Completed Street & Sidewalk Projects

Last updated Feb. 28, 2019 - 4:10 pm

View our recently completed and notable projects.

► Pullen Road Extension Project

► Buck Jones Road Widening Project

► Hillsborough Street Renewal Project

► Sandy Forks Road Widening Project

► Breeze Road Improvement Project

► Woodburn Road Sidewalk Project

► Town and Country Road

► Crabtree Blvd Sidewalk Project

► Ramblewood Drive Sidewalk Project

► Churchill Road Street Improvement Project

► Raleigh Blvd Sidewalk Project

<http://www.raleighnc.gov/projects/content/PWksDesignConst/Articles/CompletedProjects.html>



There is more!

We have many projects on the way.

So does Parks & Rec!

<http://www.raleighnc.gov/projects/content/PWksDesignConst/Articles/SidewalkProjects.html>

<https://www.raleighnc.gov/environment/content/PRecDesignDevelop/Articles/ParkandGreenwayPlanningandDevelopmentWhoWeAre.html>

Raleigh Sidewalk Improvement Projects

Last updated Mar. 18, 2019 - 2:52 pm



CIP



Petition

City-initiated Projects are generally focused on fixing gaps along higher volume streets, such as thoroughfares. Each proposed sidewalk project is evaluated and ranked based on a variety of factors, including street classification, existing demand, special population needs, feasibility, and the proximity of places people want to walk to, like parks, schools, and shopping areas.

- ▶ Blue Ridge Road Sidewalk Project
- ▶ Blue Ridge Road Bike & Pedestrian Project
- ▶ Capital Boulevard Sidewalks (North of I-440 interchange)
- ▶ Centennial Parkway Sidewalk Project
- ▶ Gorman Street Connector Project
- ▶ Green Road



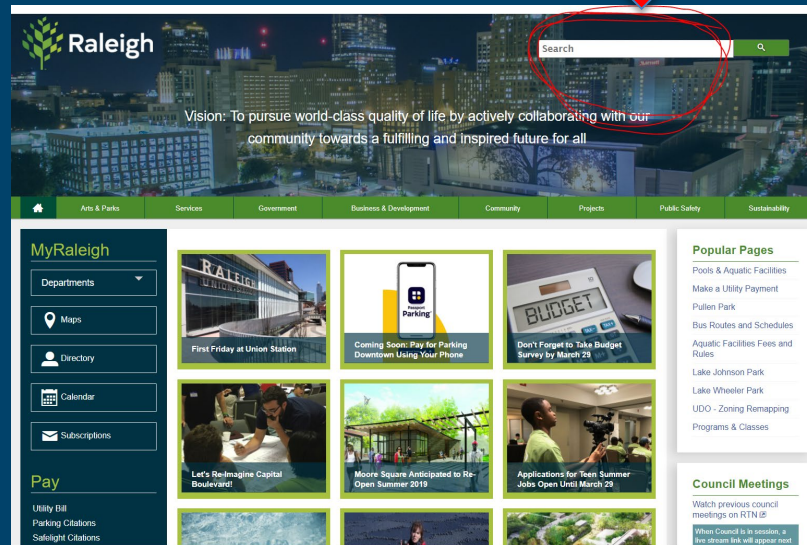
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AND STILL MORE!

Don't type those URLs

Just go to
www.raleighnc.gov and
use the search tool.

“Sidewalk” or “Greenway”
should be enough to get
you started.





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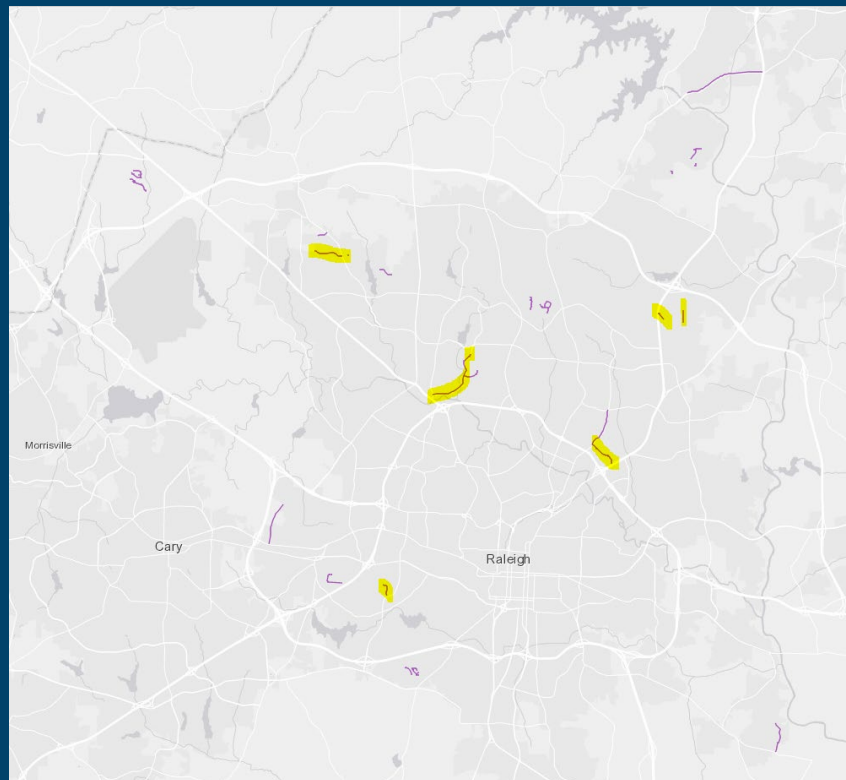
WHAT'S NEXT

Some Quick Highlights

- 2019 Resurfacings
- Gorman Street Connector
- New Bern Avenue Sidewalks
- Crabtree West Greenway
- Walnut Creek at Trailwood
- Blount/Person/Wake Forest Road Bike Lanes
- Harrington Street Two-way Cycle Track



2019 Resurfacings





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Gorman Street Connector



Raleigh Bicycle Pavement Marking Design Project: Gorman Street Cycle Track Concept

Raleigh, North Carolina

Scale: 1" = 40'
0 20 40 80
February 2014





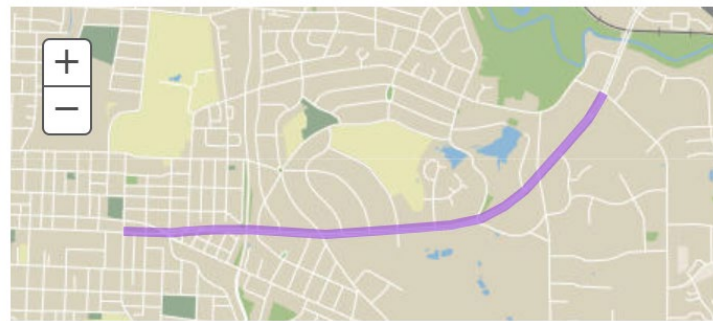
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New Bern Avenue Sidewalks

Current Activity

Updated Jan. 24

The project is scheduled to advertise for construction bids in April 2019.



▼ Summary

The project consists of streetscape improvements on both sides of the New Bern Avenue from Tarboro Road to Sunnybrook Road. The scope of work includes two sections, which will be constructed as one comprehensive project:

Section 1 (Tarboro Street to Raleigh Blvd) - 0.49 miles

- 14-foot-wide sidewalks (in areas where 14 feet is not feasible due to r/w constraints, sidewalk width will be maximum extent practical)
- Street trees w/ grates
- Pedestrian/traffic signalization modifications
- Utility coordination/relocations

Section 2 (Raleigh Blvd to Sunnybrook Road) - 1.67 miles

- Eight-foot-wide sidewalk/multi-use path along both sides of roadway in a greenway style alignment
- Pedestrian/traffic signalization modifications
- Utility coordination/relocations



Raleigh

Crabtree West Greenway TRAIL

Crabtree Creek West Trail

Last updated Mar. 05, 2019 - 9:54 am

Planning

Design

Construction

Completed

Type Greenway

Budget \$4,000,000

Team

- Parks, Recreation and Cultural Resources (Lead)
- Stewart Engineering
- Ecological Engineering, LLP
- Ramey Kemp & Associates



Current Activity

The design team is working through the design of the pedestrian structures and the project permitting. It took more time than expected to work through the analysis of the flood model study. As a result, we had to take a step back and reevaluate the pedestrian bridge stream crossings to eliminate a rise in the flood elevation.

We now have the design approach worked out, however, this requires many levels of review and permitting including City, state, and federal. In addition, staff is working on property acquisition that supports the project alignment and parking areas.



Raleigh

Walnut Creek TRAIL at Trailwood Dr

Walnut Creek Trail at Trailwood Drive

Last updated Mar. 07, 2019 - 9:32 am

Planning

Design

Construction

Completed

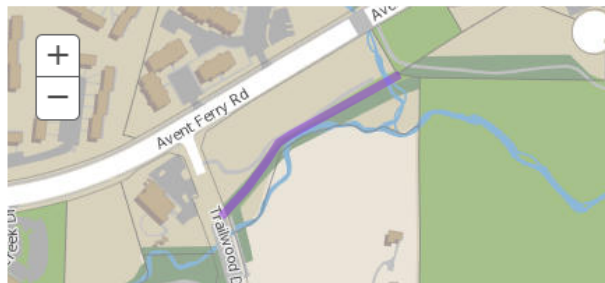
Type Greenway

Budget \$1,120,000

CAC Southwest

Team

- Parks, Recreation and Cultural Resources (Lead)
- AECOM, NCDOT



Current Activity

AECOM is currently designing a trail alignment that will connect the Walnut Creek Trail between Trailwood Drive and NC State University's Centennial Campus. This new trail connection will eliminate the need to utilize the sidewalk along Avent Ferry Road as the greenway connection. The new alignment is expected to follow along the existing sewer easement.



Raleigh

Blount/Person/Wake Forest Road Bike Lanes

Last updated Mar. 21, 2019 - 9:00 am

Planning

Design

Construction

Completed

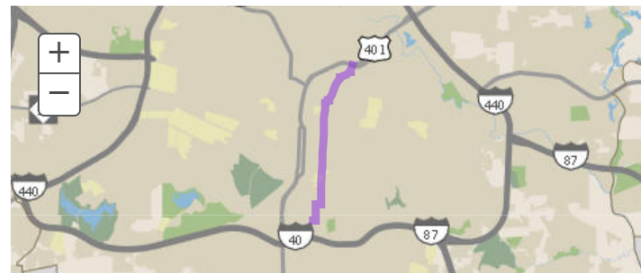
Type Bicycle/Pedestrian Project

Budget \$2.6 Million (\$700,000 City, \$1,274,400 Federal,
\$575,000 State (includes design and reserve)

CAC [Central](#)

Team

- Roadway Design and Construction (Lead)
- Transportation Planning
- City of Raleigh Department of Transportation
- Stewart Engineering, Inc. (Project Design Consultant)
- Sepi Engineering, (Contract Engineering Inspection)
- CACs: Central, North Central, Mordecai

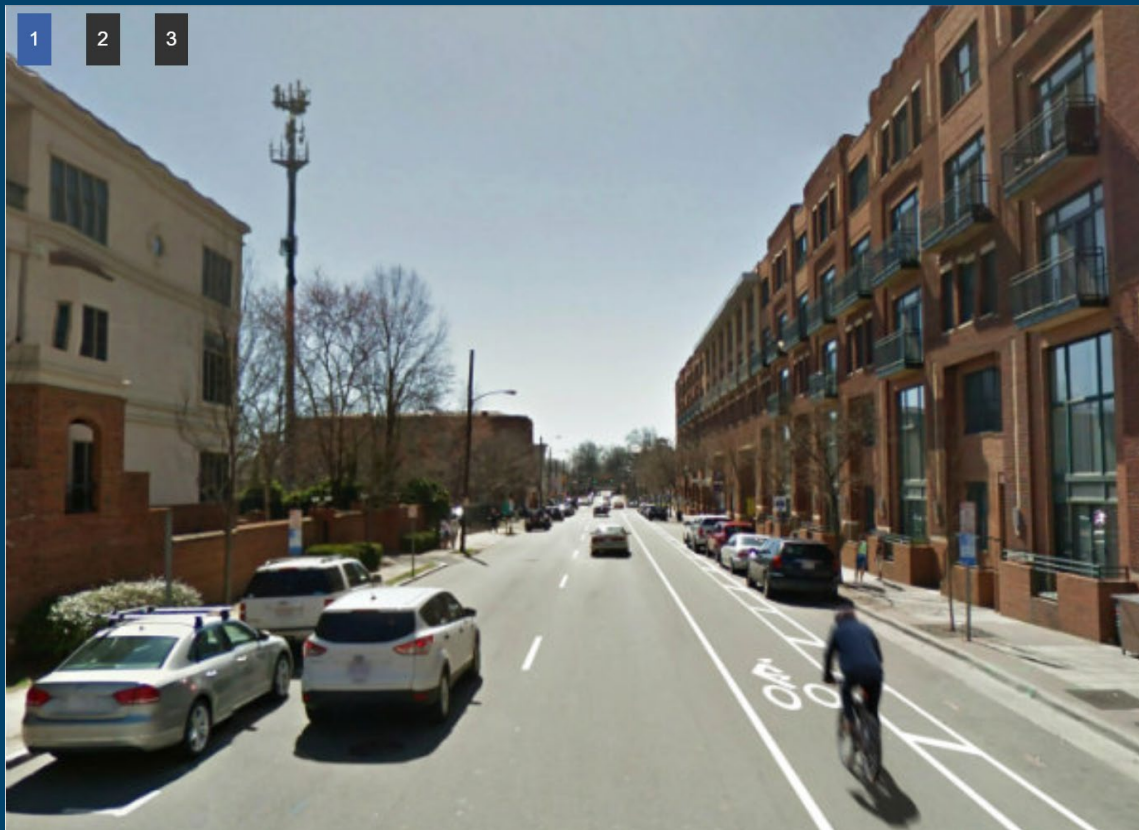


Current Activity

We opened Construction bids on February 26. Staff will recommend that the contract is awarded to the apparent low bidder, Fred Smith Company, at the City Council meeting on April 2.

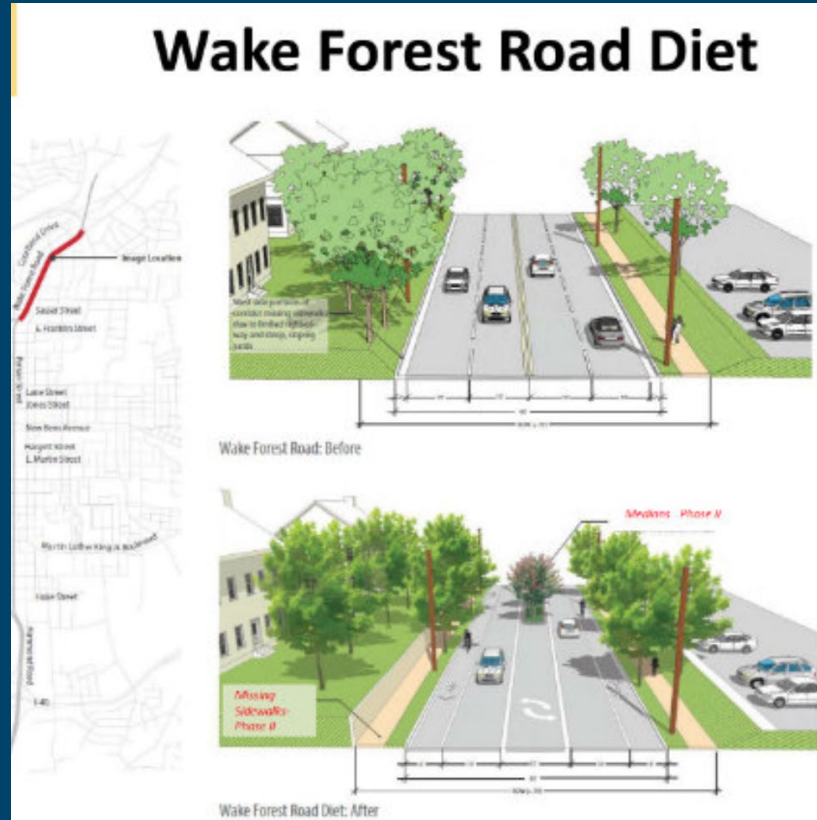
Certain parking changes along sections of Blount and Person Streets will need to go into effect prior to the construction of the project. The [Parking Summary Map](#) shows the proposed parking changes that will occur due to the project.

Blount/Person/Wake Forest Road Bike Lanes

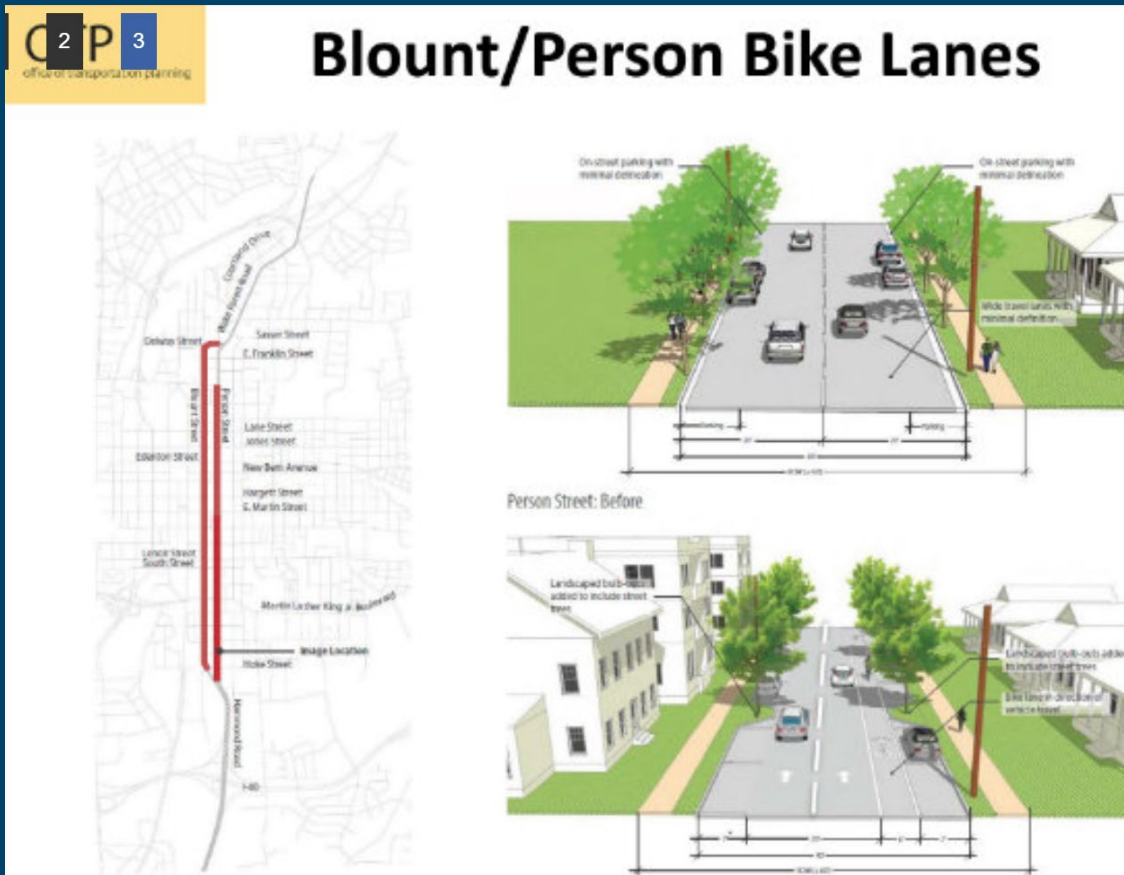




Blount/Person/Wake Forest Road Bike Lanes



Blount/Person/Wake Forest Road Bike Lanes



Harrington Street Cycletrack





Raleigh

VISIT US NEXT WEEKEND

Harrington Street Cycletrack Pop-up

- Starts Friday, April 5th at 5 PM
- Ends Sunday April 7th late afternoon
- South Harrington Street from Davie to Morgan
- Try a Citrix Cycle! Free rides at the event
- FUN FOR THE WHOLE FAMILY

oaksandspokes.com/cycletrack/

Paul Black
paul.black@raleighnc.gov

