



Bicycle & Pedestrian Planning

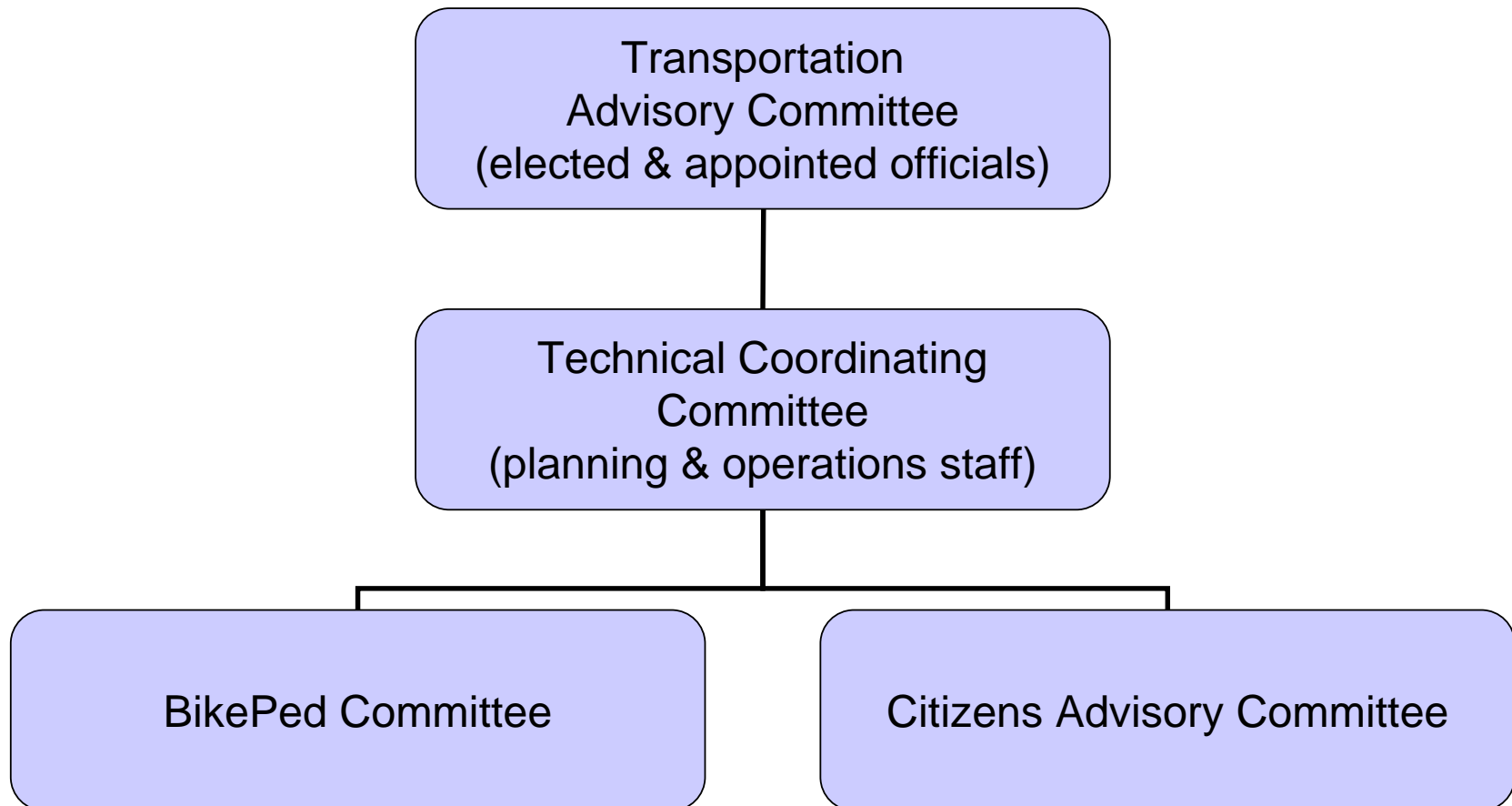
Wilmington Metropolitan Planning Organization
Cape Fear Cyclists
November 6, 2008



Wilmington Urban Area Metropolitan Planning Organization

- MPOs created by Federal Aid Highway Act of 1962
- All contiguous urbanized areas of 50,000 or greater
- 340 MPOs in United States
- 17 MPOs in North Carolina
- Coordinates the planning for and disbursement of all federal transportation funds in the region
- WMPO organized in 1982

WMPO Structure



WMPO BikePed Committee

- Created in April 2007 from NHBAC
- Coordinate regional bicycle & pedestrian plans
- Identify regional bicycle routes
- Conduct education & encouragement events
- Identify future bicycle & pedestrian projects
- Update *Wilmington, North Carolina Metropolitan Bicycle Map*

Definition of Bicycle Facilities

- **Off-road facilities:**
 - Side path: Eastwood Rd & Military Cutoff Rd
 - Multi-use path: Halyburton Park
- **On-road facilities:**
 - Wide outside lanes: Independence Blvd
 - Paved shoulders: Martin Luther King, Jr. Pkwy
 - Bicycle lanes: Randall Pkwy & Pine Grove Dr

Off-road Facilities



Military Cutoff Trail

Side Path:

8'-10' wide, within roadway right-of-way, shared use

Off-road Facilities



*River to the Sea
Bikeway
(Historic Beach Car
Line)*

Multi-use Path:

8'-10' wide, within separate right-of-way, shared use

On-road Facilities



*South College
Road*

Wide Outside Lanes:

14' wide, shared by motor vehicles and bicycles

On-road Facilities



*Wrightsville
Avenue*

Paved Shoulders:

Reserved for disabled vehicles, bicycle use permitted

On-road Facilities



*Old Causeway
Drive*

Bicycle Lanes:

4'-6' wide, segregated lane for bicycles

Recent Projects

- **Construction of bicycle lanes on Greenville Loop Rd, Middle Sound Loop Rd, Pine Grove Dr and River Rd**
- **Designation of East Coast Greenway segments in Wilmington area**
- **Completion of *Bicycle Facilities Study for Blue Clay Road***
- **Construction of Eastwood Rd and Military Cutoff Rd side paths**
- **Safe Routes to School Projects at Bradley Creek and Holly Tree Elementary Schools**
- **Addition of bicycle lanes and sharrows on Wrightsville Beach**

Recent Projects

Construction of bicycle lanes:

- Greenville Loop Rd
- Middle Sound Loop Rd
- Pine Grove Dr
- River Rd
- Old Causeway Dr



Recent Projects

Designation of East Coast Greenway segments in Wilmington area:

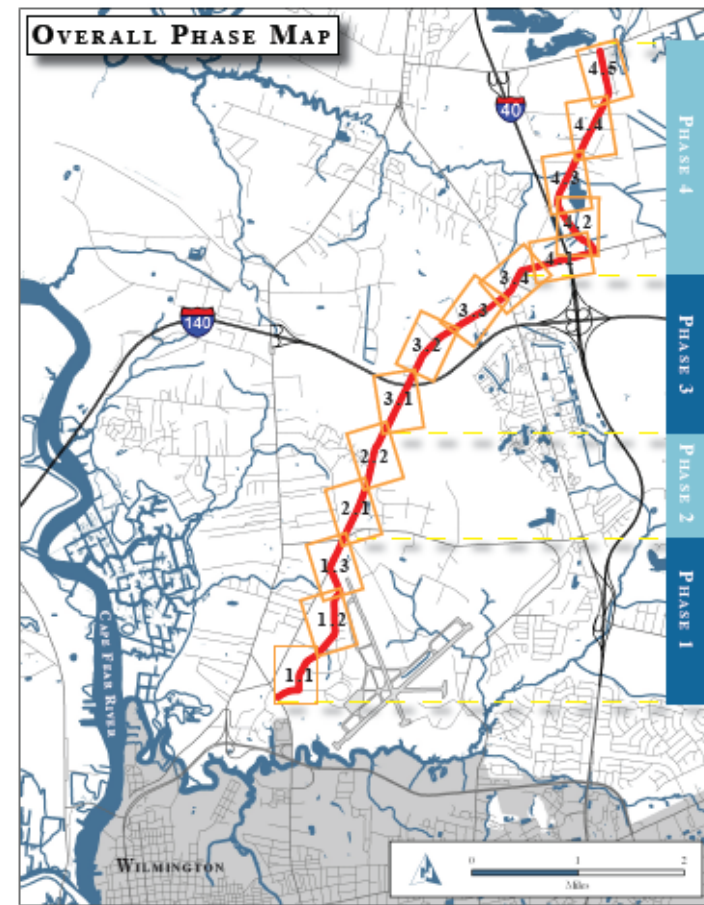
- Riverwalk
- Greenfield Lake Path
- Carolina Beach Greenway
- Aquarium Trail



Recent Projects

Completion of *Bicycle Facilities Study for Blue Clay Road*:

- Identified preferred alignment
- Utilizes publicly-owned land
- Agreement from airport authority and county to pursue funding



Recent Projects

Construction of Eastwood Rd and Military Cutoff Rd side paths:

- Eastwood Rd path funded by enhancement grant cooperatively with Autumn Hall
(9,582 ft / \$600,000)
- Military Cutoff Rd path funded by city and constructed by NCDOT
(10,580 ft / \$725,000)



Recent Projects

Safe Routes to School projects at Bradley Creek and Holly Tree Elementary Schools:

- Partnership with CFPUA enabled new access to Bradley Creek
- New sidewalk, bicycle lanes and crosswalks improved access to Holly Tree



Recent Projects

Addition of bicycle lanes and sharrows on Wrightsville Beach:

- Reroute River to the Sea Bikeway (bike route 1)
- New bicycle lanes
- First sharrows in southeastern NC
- New signage and crosswalks



Upcoming Projects

Cross-City Trail

- **Cross-City Trail between John D Barry Dr and the Cameron Art Museum**
- **Pedestrian/bicycle crossing at Eastwood Rd and Military Cutoff Rd**
- **Independence Blvd widening including bicycle lanes and side path**
- **Randall Pkwy widening including bicycle lanes and side path**

River to the Sea Bikeway

- **Pedestrian/bicycle refuge island at Dawson St and the River to the Sea Bikeway**
- **Pedestrian/bicycle crossing at Independence Blvd and the River to the Sea Bikeway**
- **Greenville Ave bicycle lane**
- **Bicycle boulevard on S 18th St and Ann St**

Neighborhood Traffic Management

- **Bicycle lanes on N & S 5th Ave**
- **Bicycle lanes on assorted local streets**

Other Projects

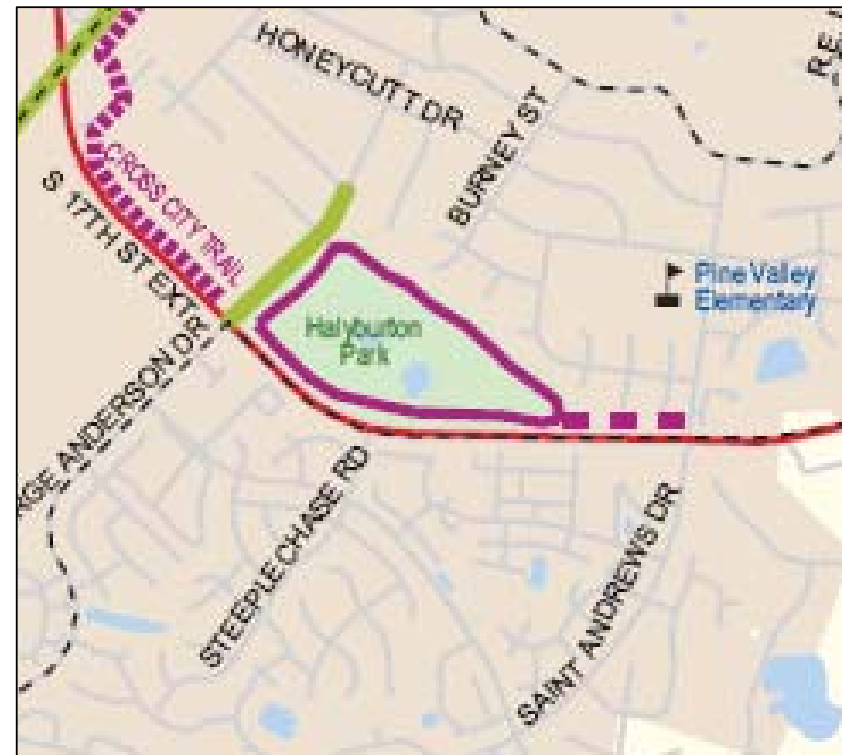
- **Safe Routes to School program at Bradley Creek Elementary school**
- **N & S Kerr Ave widening including bicycle lanes and sidewalks**

Cross-City Trail

2009

Side path between John D Barry Dr and the Cameron Art Museum:

- 10-foot-wide side path
- Connects Pine Valley, Halyburton Park and Cameron Art Museum
- Funded by parks and recreation bond
- Out to bid

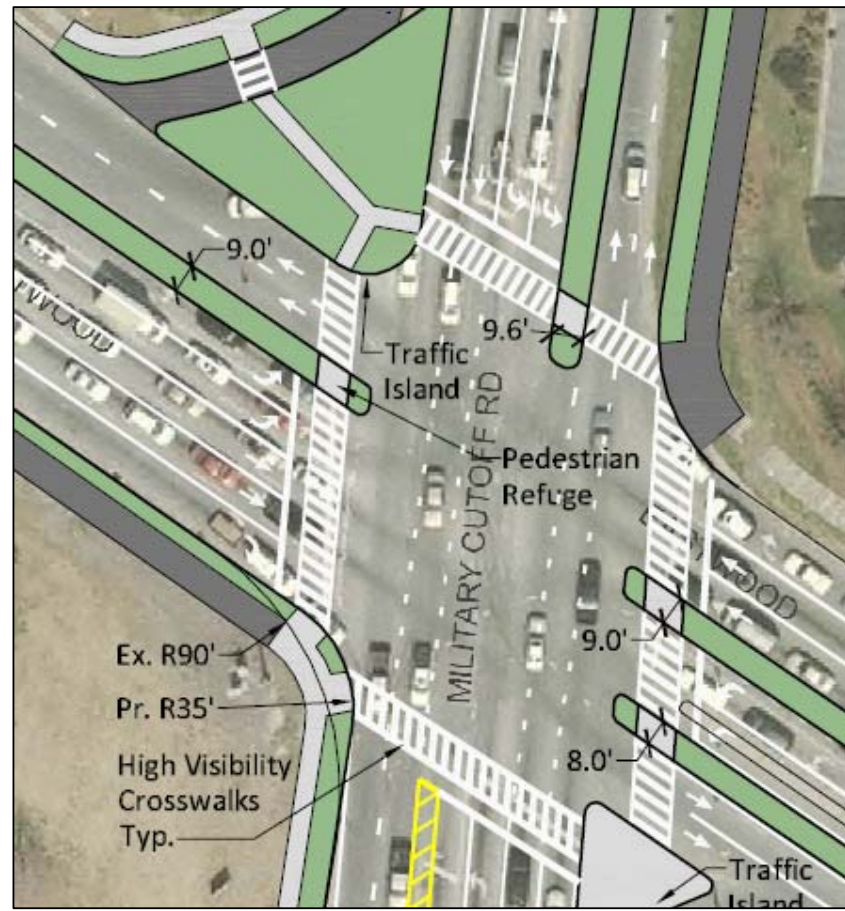


Cross-City Trail

2009

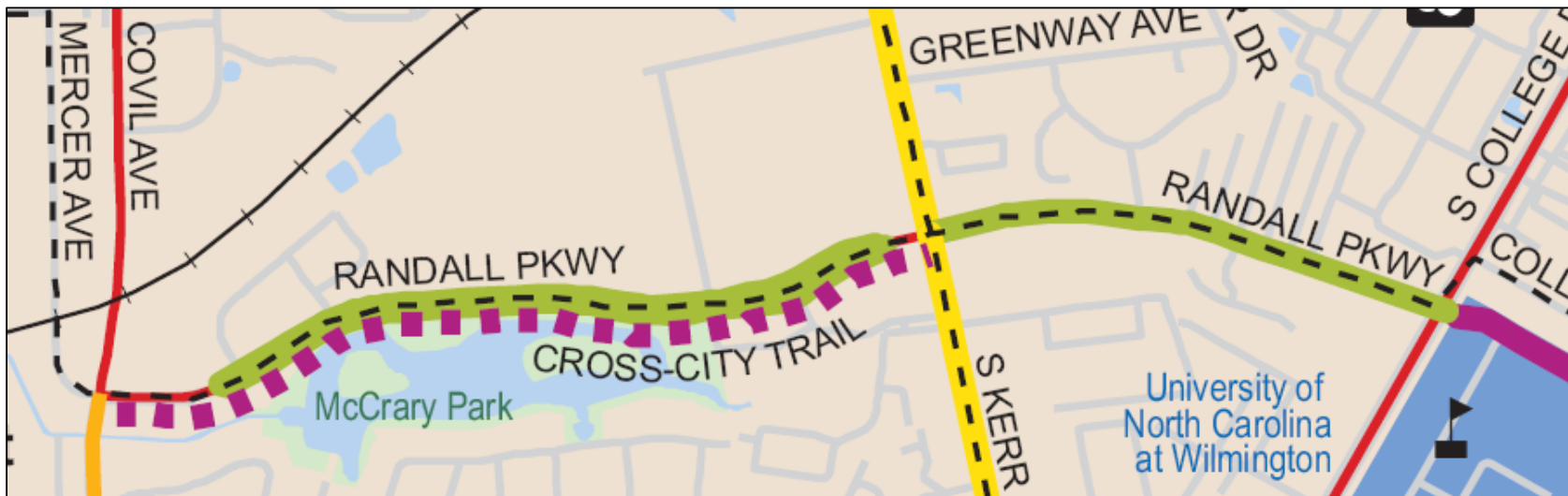
Pedestrian/Bicycle Crossing at Eastwood Rd and Military Cutoff Rd:

- Connects Eastwood Rd side path with 8 ft wide sidewalk in front of Landfall Center
- Funded by private developer



Cross-City Trail

2010



Randall Pkwy widening including bicycle lanes and side path:

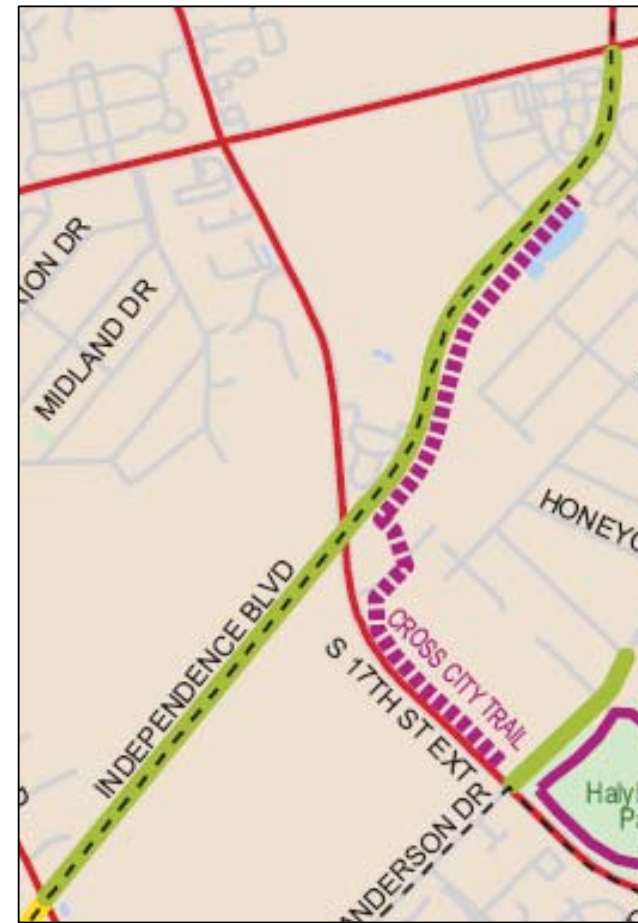
- Bicycle lanes between Independence Blvd and S College Rd
- Side path between McCrary Park and S Kerr Ave
- Sidewalks between S Kerr Ave and S College Rd
- Funded by federal earmark and City of Wilmington

Cross-City Trail

2010

Independence Blvd widening including bicycle lanes and side path:

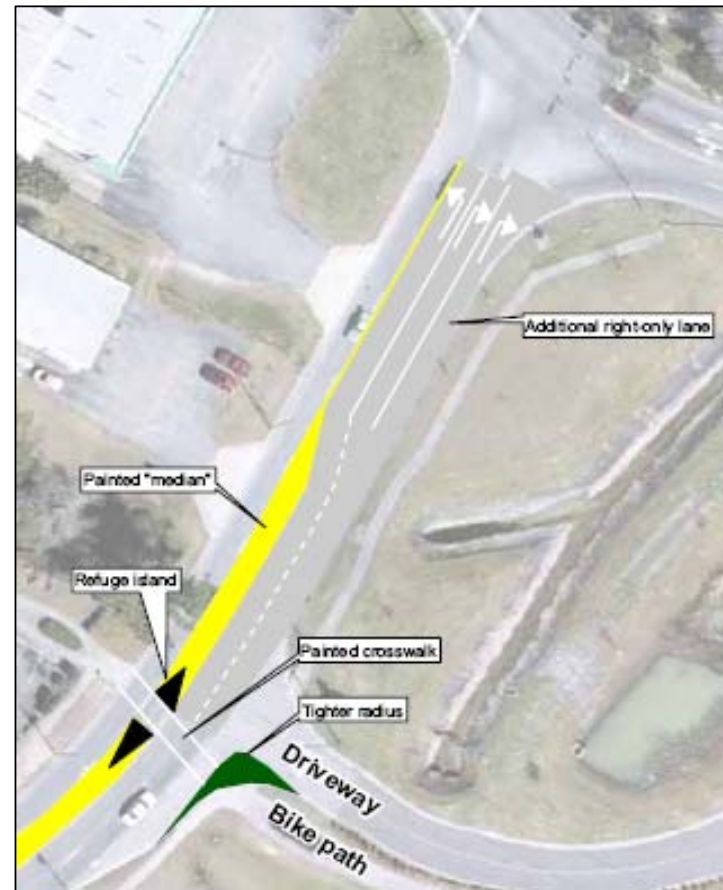
- Southbound bicycle lane between Shipyard Blvd and Carolina Beach Rd
- Northbound wide outside lane
- Side path between Cameron Art Museum and Shipyard Blvd
- Funded by City of Wilmington transportation bond



River to the Sea Bikeway 2008

Pedestrian/bicycle refuge island at Dawson St and the River to the Sea Bikeway:

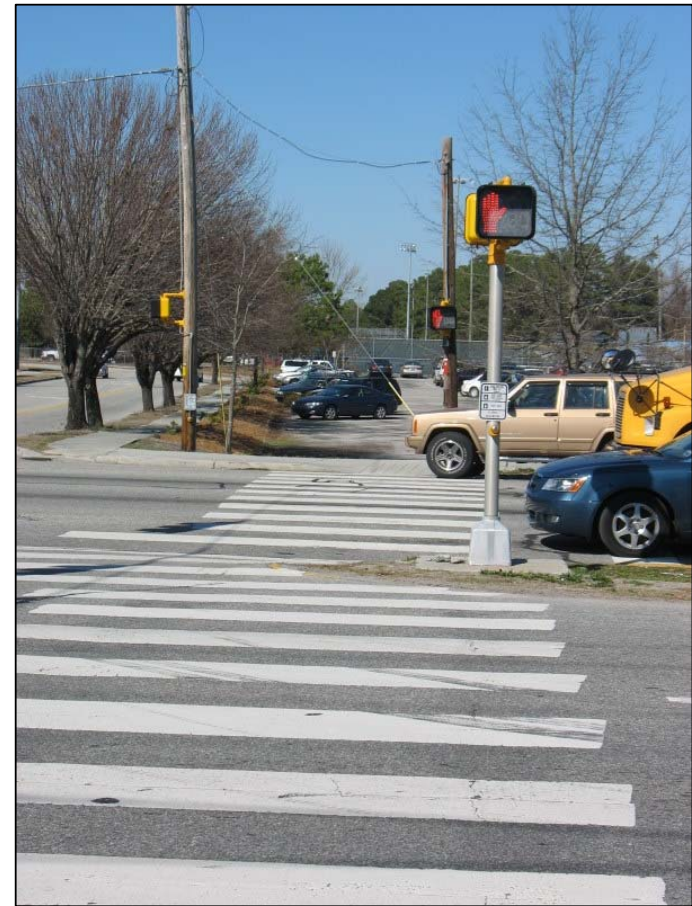
- Narrow Dawson St from 3 lanes to 2 lanes
- Construct refuge island and crosswalk
- Funded by NCDOT and City of Wilmington (\$40,000)
- Under construction



River to the Sea Bikeway 2009

Pedestrian/bicycle crossing at Independence Blvd and the River to the Sea Bikeway (Park Ave):

- Short multi-use path between Hawthorne Rd and Empie Park
- New pedestrian signal heads and push-buttons
- New signage and crosswalk
- Funded by NCDOT



River to the Sea Bikeway 2009

Greenville Ave Bicycle Lane:

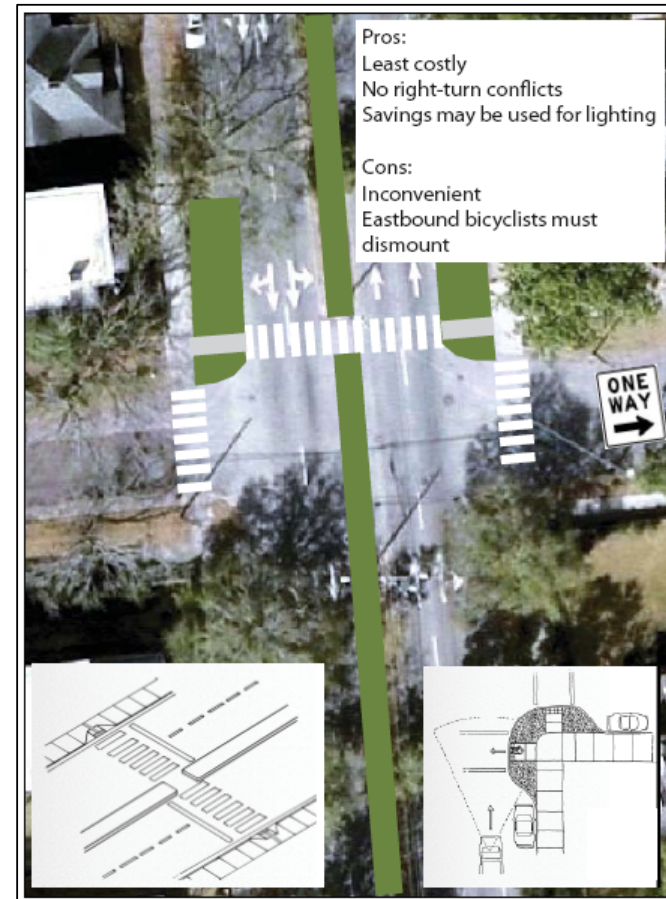
- Coordinate with Cape Fear Public Utility Authority sewer project
- Add southbound bicycle lane between Wrightsville Ave and Oleander Dr
- Currently searching for funding



River to the Sea Bikeway 2009+

Bicycle boulevard on S 18th St and Ann St:

- Convert S 18th St and Ann St to North Carolina's first bicycle boulevard
- Reduced speed, new signage and sharrows
- Improved crossings at S 17th, S 16th, S 5th and S 3rd Streets
- Funded through Neighborhood Traffic Management Program



Neighborhood Traffic Mgmt 2009+

Bicycle lanes on N & S 5th Ave:

- Restripe N & S 5th Ave with 2 travel lanes and 6 ft bicycle lanes
- Between Campbell St and Greenfield Park and Gardens
- Funded through City of Wilmington pavement marking contract



Above: Existing conditions along S. 5th Avenue, looking south towards greenfield park; cars currently obstruct passage on the sidewalk.

Below: A photo rendering showing the same section of S. 5th Avenue, with buried utility lines, bike lanes, revived street trees, crosswalks, and residential infill development. The Greenfield sign is an example only, actual design TBD.



Neighborhood Traffic Mgmt 2009+

Bicycle lanes and shoulders on assorted local streets:

- Oak Bluff Lane
- Greentree Rd
- Cobblestone Dr
- Funded through City of
Wilmington pavement
marking contract



Other Projects

2009

Safe Routes to School program at Bradley Creek Elementary school:

- \$211,000 grant from NCDOT
- New 3100 ft sidewalk, pedestrian crossing and signage
- Bicycle safety education
- Encouragement activities



Other Projects

2010

Third Generation Bicycle Sharing Program:

- Issued request for information last month
- Seeking vendors to run a citywide program using high-technology
- Information packages due January 30, 2009

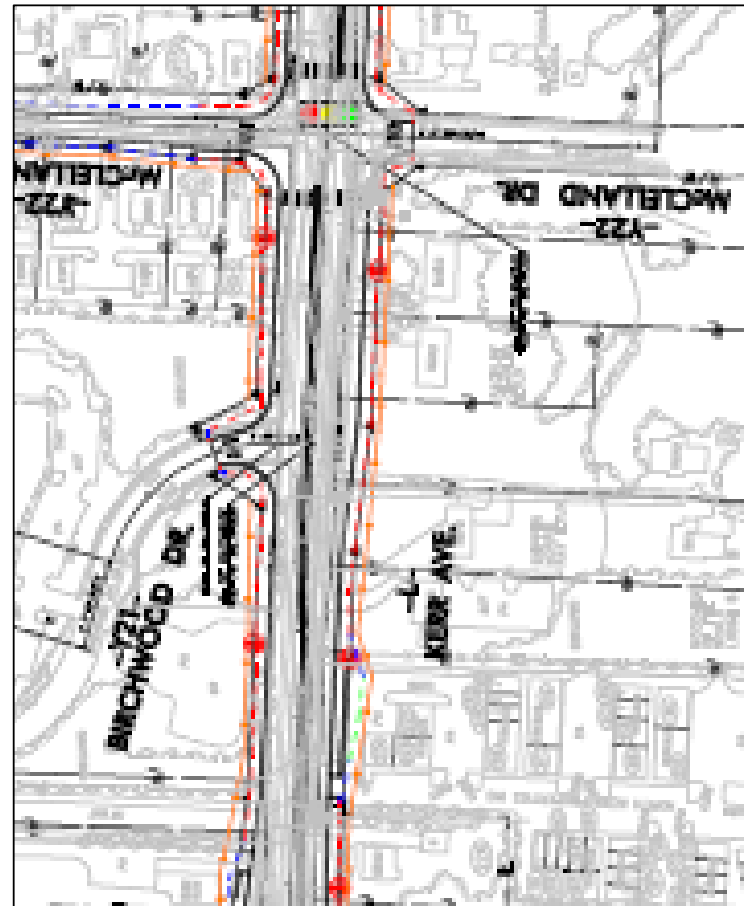


Other Projects

2012

N & S Kerr Ave widening including bicycle lanes and sidewalks:

- Between Martin Luther King, Jr. Blvd and Randall Pkwy
- Includes bicycle lanes and sidewalks for entire length
- Pedestrian crossings at all signals
- Funded by NCDOT and City of Wilmington



The End