



## WILMINGTON URBAN AREA Metropolitan Planning Organization

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*The mission of the Wilmington MPO is to develop and implement a comprehensive multi-modal transportation plan that supports the existing and future mobility needs and economic vitality of the Wilmington Urban Area. This shall be accomplished by protecting the environment, safe guarding the social equity, improving the quality of life for the citizens of the community, improving the local economy and providing for the safe and efficient mobility throughout the region. This is achieved through the long range transportation planning process which includes a comprehensive, continuous and cooperative approach from citizens and participating members.*

### Members:

City of  
WILMINGTON  
Lead Planning Agency

Town of  
CAROLINA BEACH

Town of  
KURE BEACH

Town of  
WRIGHTSVILLE BEACH

NEW HANOVER  
County

Town of  
BELVILLE

Town of  
LELAND

Town of  
NAVASSA

BRUNSWICK  
County

PENDER  
County

CAPE FEAR  
Public Transportation  
Authority

North Carolina  
BOARD OF  
TRANSPORTATION

### Technical Coordinating Committee Meeting Agenda

**TO:** Technical Coordinating Committee Members  
**FROM:** Mike Kozlosky, Executive Director  
**DATE:** July 2, 2015  
**SUBJECT:** July 8<sup>th</sup> meeting

A meeting of the WMPO Technical Coordinating Committee will be held on Wednesday, July 8<sup>th</sup> at 10 am. The meeting will be held in the Lord Spencer Compton Conference Room at 102 North 3<sup>rd</sup> Street in downtown Wilmington.

The following is the agenda for the meeting:

- 1) Call to Order
- 2) Approval of Minutes:
  - a. 6/10/15
- 3) Regular Agenda
  - a. Resolution approving the Final Draft Cape Fear Transportation 2040 Plan
- 4) Discussion
  - a. Prioritization 4.0 Existing Projects, Project Modifications and Deletions
  - b. Prioritization 4.0 Interchange/Intersection Projects
  - c. Prioritization 4.0 Region B and Division 3 Potential Alternative Criteria
  - d. Prioritization 4.0 Local Input Methodology and Point Transfers
  - e. Federal Functional Classification Maps
- 5) Updates
  - a. Crossing over the Cape Fear River Work Group
  - b. Wilmington MPO
  - c. Cape Fear Public Transportation Authority
  - d. NCDOT Division
  - e. NCDOT Transportation Planning Branch
- 6) Announcements
  - a. WMPO Bike/Ped Committee Meeting-August 20, 2015
- 7) Next meeting –August 12, 2015

### Attachments:

- Minutes 6/10/15 meeting
- Final Draft Cape Fear Transportation 2040 Plan  
[http://transportation2040.org/PDFs/Cape%20Fear%20Transportation%202040\\_070215.pdf](http://transportation2040.org/PDFs/Cape%20Fear%20Transportation%202040_070215.pdf)
- Resolution Approving the Final Draft Cape Fear Transportation 2040 Plan
- Prioritization 4.0 Schedule
- Prioritization 4.0 Existing Projects, Project Modifications and Deletions E-mail
- Prioritization 4.0 Existing Projects Spreadsheet

- Prioritization 3.0's Preliminary Projects in Prioritization 4.0 Maps
- Prioritization 4.0 Interchange/Intersection Projects Memo
- Prioritization 4.0 Interchange/Intersection Projects Map
- Interchange and Intersection Designs for use in SPOT
- Prioritization 4.0 Region B and Division 3 Potential Alternative Criteria Memo
- Prioritization 4.0 Local Input Methodology and Point Transfers E-mail
- Prioritization 3.0 WMPO's Adopted Local Input Methodology
- NCDOT's Prioritization 3.0 Criteria and Weights
- Approved Federal Functional Classification Maps
- Federal Functional Classification Changes Spreadsheet from NCDOT
- Memo from NCDOT regarding Federal Functional Classification
- Cape Fear River Crossing Update (July)
- Wilmington MPO Project Update (July)
- Cape Fear Public Transportation Authority Update (July)
- NCDOT Project Update (July)

**Wilmington Urban Area  
Technical Coordinating Committee  
Meeting Notes for June 10, 2015**

**Members Present:**

Suraiya Rashid, City of Wilmington  
Adrienne Harrington, TDM Coordinator  
Ed Parvin, Town of Carolina Beach  
Ken Vafier, New Hanover County  
Patrick Riddle, NCDOT Division 3  
Robert Waring, Town of Leland  
Allen Serkin, Cape Fear COG  
Megan O'Hare, Pender County

Trey Burke, Town of Navassa  
Helen Bunch, Brunswick County  
Denys Vielkanowitz, City of Wilmington  
Athina Williams, Town of Belville  
Nancy Avery, Town of Kure Beach  
Zach Steffey, Town of Wrightsville Beach  
Adam Snipes, NCDOT Planning Branch  
Stephanie Ayers, Port of Wilmington

**1. Call to Order**

Ms. Rashid called the meeting to order at 10:00am.

**2. Approval of Minutes**

The minutes for the meeting May 13, 2015 were approved unanimously.

**3. Presentations**

**a. Draft Cape Fear Transportation 2040 Plan**

Ms. Rashid told members that the finalized draft plan will be presented to the TCC and TAC for review in July. In August and September, staff will attend member jurisdiction meetings to request adoption of the plan. She said the plan will come back to the TCC at the November meeting, and then to the TAC for final adoption at their December 9<sup>th</sup> meeting.

Ms. Rashid and Ms. Harrington reviewed the changes suggested by the modal subcommittees after reviewing the comments and input received during the public comment period. Ms. Rashid told members that those changes will be presented to CAC members for review.

**4. Consent Agenda**

- a. Resolution supporting the Section 5310 Program Management Plan**
- b. Resolution adopting the 2016 Surface Transportation Program-Direct Attributable (STP-DA) Submittal Guide and Process**
- c. Resolution adopting the 2016 Transportation Alternatives Program-Direct Attributable (TAP-DA) Submittal Guide and Process**

Ms. Rashid asked to pull items b. and c. from the consent agenda for discussion.

Ms. Avery made the motion to approve the consent agenda without items b. and c. and forward to the TAC for consideration. Mr. Parvin seconded the motion and it carried unanimously.

Ms. Rashid told members she requested that items b. and c be pulled to allow Mr. Knight an opportunity to review the new submittal guide for STP-DA and TAP-DA funding applications.

Mr. Knight told members that the most significant change in the application processes is the addition of a mandatory project management training meeting. Mr. Knight noted that member entities will be ineligible to apply for STP-DA and TAP-DA funding for that year if their staff does not attend the project management training.

Mr. Knight reviewed the timeline for the 2016 application submittal processes. He said the WMPO staff will ask the Local Government Agencies (LGA) to communicate their interest in applying for DA funds. The Mandatory Project Management training will take place in August. Staff will issue the call for projects in September. Pre-application meetings will be held with LGAs in October and final applications are due in November. Project funding recommendations will be released in January 2016.

Mr. Knight briefly reviewed the LGA responsibilities in managing STP-DA and TAP-DA projects. He reminded members that information will be provided in detail at the project management meeting in August.

Following a question/answer period, Mr. Waring made the motion to adopt the 2016 Surface Transportation Program-Direct Attributable (STP-DA) Submittal Guide and Process, and forward to the TAC for consideration. Ms. Harrington seconded the motion and it carried unanimously.

Ms. Bunch made the motion to adopt the 2016 Transportation Alternatives Program-Direct Attributable (TAP-DA) Submittal Guide and Process and forward to the TAC for consideration. Ms. Ayers seconded the motion and it carried unanimously.

## **5. Regular Agenda**

### **a. Resolution adopting the 2016-2025 State/Metropolitan Transportation Improvement Program**

Ms. Rashid told members a public hearing was held last month for the 2016-2025 State/Metropolitan Transportation Improvement Program. She said changes that were made from the draft release were to add the STP-DA and TAP-DA projects to the STIP/MTIP and to consolidate two intersection projects (Carolina Beach Road intersection and College Road intersection projects) into one project.

Ms. Avery made the motion to adopt the 2016-2025 State/Metropolitan Transportation Improvement Program and forward to the TAC for consideration. Mr. Burke seconded the motion and it carried unanimously.

### **b. Resolution encouraging the City of Wilmington, Wilmington MPO, North Carolina Department of Transportation and Cape Fear Public Transportation Authority to develop a Memorandum of Understanding for the development of the future Wilmington Multi-modal Transportation Center**

Ms. Rashid told members the resolution came about as a result of discussions between the City of Wilmington, the MPO, NCDOT and Cape Fear Public Transportation Authority in an effort to create a way to move the Multi-modal Transportation Center forward. The MOU would lay out how the entities will interact in terms of bring the project to fruition.

Mr. Serkin made the motion to support the resolution encouraging the City of Wilmington, Wilmington MPO, North Carolina Department of Transportation and Cape Fear Public Transportation Authority to develop a Memorandum of Understanding for the development of the transit portion of the future



Wilmington Multi-modal Transportation Center and forward to the TAC for consideration. Ms. Avery seconded the motion and it carried unanimously.

## **6. Discussion**

### **a. Amendment to the Meeting Calendar for a July Meeting (July 8)**

Ms. Rashid told members that staff is proposing to add a meeting to the calendar for July 8<sup>th</sup>.

Ms. Bunch made the motion to add July 8<sup>th</sup> to the TCC meeting calendar. Mr. Vafier seconded the motion and it carried unanimously.

## **7. Updates**

Updates are included in the agenda packet.

## **8. Announcements**

## **8. Adjournment**

With no further items, the meeting was adjourned at 11:01am.

**THE ABOVE MINUTES ARE NOT A VERBATIM RECORD OF THE PROCEEDINGS.  
THE ENTIRE PROCEEDINGS ARE RECORDED ON A COMPACT DISC AS PART OF THIS RECORD.**

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION  
TRANSPORTATION ADVISORY COMMITTEE**

**RESOLUTION APPROVING THE FINAL DRAFT OF THE CAPE FEAR TRANSPORTATION  
2040 PLAN**

**WHEREAS**, the Wilmington Urban Area Metropolitan Planning Organization provides transportation planning services for the City of Wilmington, Town of Carolina Beach, Town of Kure Beach, Town of Wrightsville Beach, Town of Belville, Town of Leland, Town of Navassa, New Hanover County, Brunswick County, Pender County, Cape Fear Public Transportation Authority and the North Carolina Board of Transportation; and

**WHEREAS**, the development and maintenance of a long-range or metropolitan transportation plan is a federal requirement of all Metropolitan Planning Organizations (MPOs) designated by the Federal Highway Administration (FHWA); and

**WHEREAS**, on December 15, 2010 the Wilmington MPO adopted the fiscally constrained Cape Fear Commutes 2035 Transportation Plan to serve as the MPO's long range transportation plan; and

**WHEREAS**, the Metropolitan Transportation Plan must be updated every five years; and

**WHEREAS**, the plan shall "include both long-range and short-range program strategies/actions that lead to the development of an integrated intermodal transportation system that facilitates the efficient movement of people and goods;" and

**WHEREAS**, the Wilmington MPO is in the process of finalizing Cape Fear Transportation 2040 to meet the FHWA requirement; and

**WHEREAS**, a key component of the transportation planning process is public review and comment; and

**WHEREAS**, a public review and comment period was conducted during a publicized comment period resulting in suggested modifications to the draft Cape Fear Transportation 2040; and

**WHEREAS**, with the assistance of subcommittees of subject matter experts, the Citizens Advisory Committee has developed a final draft of Cape Fear Transportation 2040.

**NOW THEREFORE**, be it resolved by the Wilmington Urban Area Metropolitan Planning Organization's Transportation Advisory Committee hereby approves the final draft of Cape Fear Transportation 2040.

**NOW THEREFORE ALSO**, be it resolved that Cape Fear Transportation 2040 plan will be considered by the Wilmington Urban Area Metropolitan Planning Organization Transportation Advisory Committee for formal adoption in December 2015.

**ADOPTED** at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization Transportation Advisory Committee on July 22, 2015.

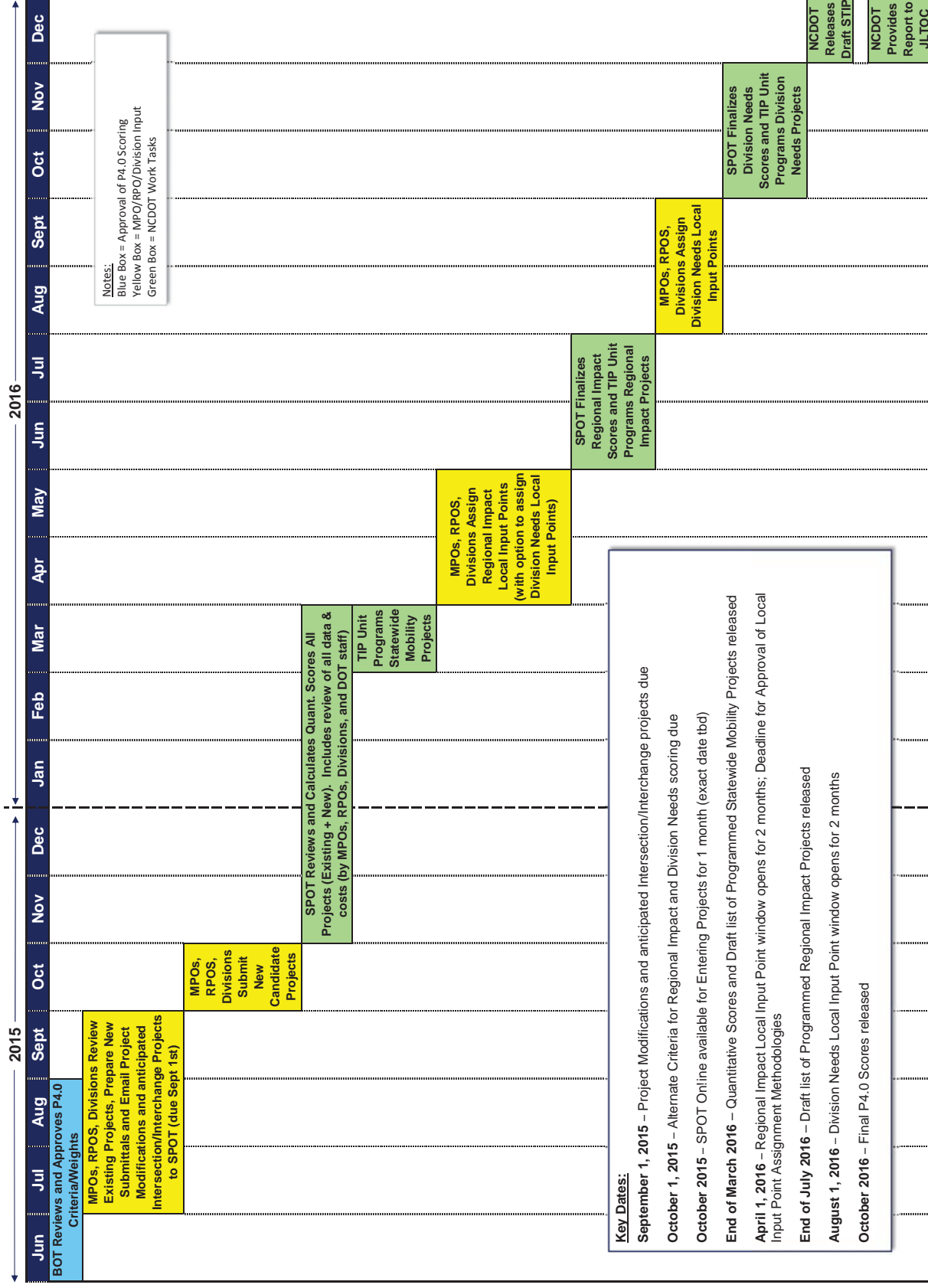
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Laura Padgett, Chair  
Transportation Advisory Committee

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Mike Kozlosky, Secretary

# Prioritization 4.0 Schedule



**From:** [Wasserman, David S](#)

**To:** [Jennings, Jerry D](#); [Byrum, Gretchen A](#); [Hobbs, Barry](#); [Rouse, John W](#); [Cabaniss, Jeffrey D](#); [Collette, Karen E](#); [Kimes, D. Chad](#); [Edgerton, Alton R](#); [Riddle, Patrick J](#); [Little, Timothy M](#); [Eatmon, James C](#); [Cauley, Charles](#); [Hopkins, Joey](#); [Kneis, Michael J](#); [Burns, Gregory W](#); [Bailey, Joseph W](#); [Bradley, Jerry M](#); [Mills, James M](#); [Lewis, Ed F](#); [Huffines, Donald R](#); [Stone, Rob](#); [Sturdivant, Darius D](#); [Ivey, Stephen P](#); [Hampton, Diane K](#); [Mitchell, Louis L](#); [Cole, Scott](#); [Basham, Stuart L](#); [Pettyjohn, Michael A](#); [Ledbetter, Dean](#); [Chandler, Reuben D](#); [McSwain, Jacqueline](#); [Kelison, David P](#); [Swain, James J](#); [Solberg, Kristina L](#); [Tipton, Ricky A](#); [Green, Edward A](#); [Cannady, Ralph](#); [Austin, Wanda H](#); [burlmpo@ci.burlington.nc.us](#); [anelson@ci.burlington.nc.us](#); [pconrad@mblsolution.com](#); [chris.lukasina@campo-nc.us](#); [RICHARD.EPPS@campo-nc.us](#); [amy.ward@campo-nc.us](#); [alex.rickard@campo-nc.us](#); [rwcook@charlottenc.gov](#); [nburke@charlottenc.gov](#); [felix.nwoko@durhamnc.gov](#); [Brian.Rhodes@durhamnc.gov](#); [mrutan@co.cumberland.nc.us](#); [lyuba@landofsky.org](#); [paul@landofsky.org](#); [bjornh@cityofgastonia.com](#); [hankg@cityofgastonia.com](#); [bernier@cityofgastonia.com](#); [breth@cityofgastonia.com](#); [JCollins@goldsboronc.gov](#); [cclark@wrcog.org](#); [mhoeweler@wrcog.org](#); [john.marshall@wpcog.org](#); [Lydia.McIntyre@greensboro-nc.gov](#); [craig.mckinney@greensboro-nc.gov](#); [Tyler.Meyer@greensboro-nc.gov](#); [dvreeland@greenvillenc.gov](#); [greg.venable@highpointnc.gov](#); [aprinz@ci.jacksonville.nc.us](#); [pholland@ci.jacksonville.nc.us](#); [RuggieriJ@newbern-nc.org](#); [ChapmanM@newbern-nc.org](#); [maxeyk@newbern-nc.org](#); [bob.league@rockymountnc.gov](#); [Mike.Kozlosky](#); [Suraiya.Rashid](#); [grege@cityofws.org](#); [fredrickh@cityofws.org](#); [wendym@cityofws.org](#); [awelsh@albamarlecommission.org](#); [aserkin@capefearcog.org](#); [pflanagan@eccog.org](#); [rwill@eccog.org](#); [dgraham@regiond.org](#); [kfuller@regionc.org](#); [bcrawford@kerrtarcog.org](#); [astroobant@kerrtarcog.org](#); [vicki.eastland@landofsky.org](#); [janet.robertson@lumberrivercog.org](#); [bbuck@midwestcom.org](#); [jstrickland@mccog.org](#); [ejernigan@ptrc.org](#); [joakes@midwestcom.org](#); [jday@ptrc.org](#); [dstoogenke@rockyriverrpo.org](#); [rose@regiona.org](#); [mday@tjcog.org](#); [Kelly.Larkins@wpcog.org](#); [jsalmmons@ucprpo.org](#); [chapmanm@nbampo.org](#); [maxeyk@nbampo.org](#); [Lindsay.Smart@durhamnc.gov](#)

**Cc:** [Henry, Andrew \(Andrew.Henry@durhamnc.gov\)](#); [McIntyre, Lydia](#); [Dunlop, James H](#); [Groundwater, Elise K](#); [Voelker, Don](#); [Lee, Sarah E](#); [Wing, Leigh M](#); [Lacy, Kevin](#); [Boyle, Elizabeth](#); [Chamberlain, Steven A](#); [Farley, John C](#); [Lee, Sarah E](#); [Wasserman, David S](#); [betty@ridgetopassociates.com](#); [johanna.reese@ncacc.org](#); [jwhite@metromayors.com](#); [Holder, Michael L](#); [Barbour, Deborah M](#); [Blackburn, Lauren A](#); [Norman, Patrick A](#); [DeBellis, Jeff](#); [Ayers, Stephanie](#); [ghoops@dot.gov](#); [Amna.Cameron@ncleg.net](#); [Bryce.Ball@ncleg.net](#); [Winn, Frank S](#); [Pullium, Susan W](#); [Tennyson, Nicholas J](#); [Farley, John C](#); [Madding, Daniel](#); [Argabright, Van](#); [Kolt.Ulm@ncleg.net](#); [Hugh Johnson](#); [Rose Williams](#); [Hugh Johnson \(hugh.johnson@ncacc.org\)](#); [Jason.Soper@ncleg.net](#); [Heath, Shelly](#); [Meyer, Todd](#); [Perry, Neil L](#); [Walston, Bobby L](#); [Mann, Jeff](#); [Worley, Paul C](#); [Stepney, Sandra A](#); [Dees, Jonathan M](#); [Fussell, Rhett](#); [Huntsinger, Leta \(Huntsinger@pbworld.com\)](#); [Hughes, Craig R](#); [Collins, Debra G](#); [Baker, Sterling D](#); [Scro, Mary G](#); [Jernigan, Mary L](#); [Jones, Reston](#); [Patel, Alpesh G](#); [McIntyre, Ray](#); [Stanley, Mike](#); [Leggett, Calvin W](#); [Thomas, Dan](#)

**Subject:** P4.0 Existing Projects, Modifications, and Deletions

**Date:** Thursday, June 25, 2015 3:06:28 PM

**Attachments:** [P4.0 Existing Projects - 6-25-15.xlsx](#)

This email contains three important project related items for P4.0:

- P4.0 Existing Projects
- Project Modifications
- Project Deletions

## **P4.0 Existing Projects**

Attached is the list of P3.0 projects (all modes) noted as to whether they are (highlighted in column BL):

1. A committed project (programmed for Right-of-Way or Construction through 2020) – these will NOT be evaluated in P4.0 as the Department is committed to implementing these projects
2. An existing project that will automatically be evaluated in P4.0 – these will appear as submitted in SPOT On!ine
3. A project that will be removed from the database for P4.0 – these will be placed in the “holding tank” in SPOT On!ine for MPOs, RPOs, or Divisions to submit as a “new” project in P4.0 if desired (if not submitted in P4.0, these projects will be permanently deleted)
4. A project that will be permanently deleted from the database, primarily due to new

project definitions (Aviation) or minimum project cost (Public Transportation)

A project is defined as an existing project for P4.0 as long as it meets one or more of the following:

- The project is programmed in the STIP for Right-of-Way or Construction, but not already a committed project
- The project is a sibling of a programmed project (e.g. Section A is programmed, while Section B is post year)
- The project has a completed NEPA document (Approved CE, EA/FONSI, Final EIS, ROD or state versions of these documents)
- The project was actively being worked on as of December 2014, but was stopped due to release of the Draft STIP
- The project received any amount of local input points in P3.0

Please review the projects in your area (use column AU to filter by Division, column AV to filter by MPO/RPO). If you believe a project should be categorized differently, please let us know and we'll take a look at it. For reference, column BM indicates the criteria the project meets for being considered an existing project for P4.0 (if the project meets multiple criteria, only one is listed). Column BN lists any additional comments specific to the project. This spreadsheet also reflects the latest STIP schedule and any updated TIP numbers. Note that the projects are sorted by SPOT ID.

### **Project Modifications**

If your organization desires to modify a P4.0 Existing Project, please let us know by **September 1, 2015**. Project modifications include the following:

- Splitting the project into multiple segments for evaluation and funding – this includes segmenting individual intersections or interchanges
- Combining multiple segments or intersections/interchanges
- Changing the length of the project (within a reasonable distance)
- Changing the scope of the project

Please send any project modifications to me ([dswasserman@ncdot.gov](mailto:dswasserman@ncdot.gov)) and copy Sarah Lee ([selee@ncdot.gov](mailto:selee@ncdot.gov)). In the email, just simply list the change, but be sure to include the following fields:

- SPOT ID
- Route
- From/Cross Street
- To
- Description

- Proposed Change

**Project Deletions**

If your organization desires to delete a P4.0 Existing Project and receive an extra new submittal (for the same mode as deleted project), please let us know by **October 1, 2015**.

**Please remember that for both Project Modifications and Project Deletions, both the MPO(s)/RPO(s) and Division(s) must be in agreement with the modification or deletion.**

Should you have any questions, please feel free to contact Don Voelker, Sarah Lee, or myself.

David

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David S. Wasserman, P.E.  
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# Prioritization 4.0 Existing Projects

June 25, 2015

SPOT ID	Mode	Project Category	TP#	Route / Facility Name	From / Cross Street	To	Description	Specific Improvement Type	All Divisions	All MPOs/POs	All Counties	Draft STP - Funding Category	Final STP Right-of-Way Schedule	Final STP Construction Schedule	P4.0 Project?	Status for P4.0	Comments	Does Project Have Siblings?	Is at Least One Sibling Programmed?	Shading Family #	P3.0 Local Input Points	Completed NEPA EAP/ONR Final (Approved Version)	Project Planning Actively Underway by Dec. 31, 2014
A1.30507	Aviation	Statewide Mobility		ILM - Wilmington International			The airport has bid plans to widen the North-South TWY system to make the with consistent throughout. Currently the TWY system is in poor condition and needs to be replaced. The project will also add shoulders and to keep the TWY lights on pavement to reduce snowing and maintenance. Includes Project Request Numbers: 2998	1125 - Construction	03.	Wilmington Urban Area MPO.	New Hanover					To be Removed, placed in Holding Tank							
A1.30508	Aviation	Statewide Mobility	AV-5702	ILM - Wilmington International			Rehabilitate the 1845 are concrete ramp and the 1845 are concrete ramp. Includes Project Request Numbers: 2999	1215 - Land Acquisition-Airport Apron Construction	03.	Wilmington Urban Area MPO.	New Hanover	STATEWIDE MOBILITY		15		Committed Project	Programmed and Committed (Yrs 1-5)						
A1.30512	Aviation	Statewide Mobility	AV-5713	ILM - Wilmington International			The project would design and construct an apron on the 1845 are concrete ramp. Includes Project Request Numbers: 2999	465 - Stormwater Pumps	03.	Wilmington Urban Area MPO.	New Hanover	STATEWIDE MOBILITY		16		Committed Project	Programmed and Committed (Yrs 1-5)						
A1.30514	Aviation	Statewide Mobility	AV-5730	ILM - Wilmington International			The project would design and construct an apron on the 1845 are concrete ramp. Includes Project Request Numbers: 2999	800 - Paving / Milling / Preliminary Engineering	03.	Wilmington Urban Area MPO.	New Hanover	STATEWIDE MOBILITY		18		Committed Project	Programmed and Committed (Yrs 1-5)						
A1.30515	Aviation	Statewide Mobility	AV-5704	ILM - Wilmington International			The regulators in the current airfield lighting vault are very old and it is getting close to the end of its life span. The project would replace a large portion of the TWY lights with LED TWY lights. Eventually the entire lighting vault system needs to be replaced. Includes Project Request Numbers: 2995	810 - Install Electrical Vault	03.	Wilmington Urban Area MPO.	New Hanover	STATEWIDE MOBILITY		17		Committed Project	Programmed and Committed (Yrs 1-5)						
B14.1213	BlendedPed	Division Needs	EB-5600	South 17th Street Multi-Use Path	Hospital Plaza Drive	Independence Boulevard	Construct a multi-use path on South 17th Street from Hospital Plaza Drive to Independence Boulevard	2. Construct multi-use trail / road bike lane on local roadway	03.	Wilmington Urban Area MPO.	New Hanover County	DIVISION		19		Committed Project	Programmed and Committed (Yrs 1-5)				Yes		
B14.1254	BlendedPed	Division Needs		Pine Grove Drive Bicycle Lanes	Holly Tree Road	Andrews Reach Loop	Construct bicycle lanes on Pine Grove Drive from Holly Tree Road to Andrews Reach Loop	2. Construct multi-use trail / road bike lane on local roadway	03.	Wilmington Urban Area MPO.	New Hanover County					To be Removed, placed in Holding Tank			Yes				
B14.1258	BlendedPed	Division Needs		Covina Beach Road Multi-Use Path	SR1140 (Bentley Boulevard)	US117 (Shippard Boulevard)	Construct a multi-use path from SR1140 (Bentley Boulevard) to US117 (Shippard Boulevard)	2. Construct multi-use trail / road bike lane on local roadway	03.	Wilmington Urban Area MPO.	New Hanover County					To be Removed, placed in Holding Tank							
B14.1261	BlendedPed	Division Needs		North 23rd Street Bicycle Lanes	SR1316 (Blue Clay Rd)	US17B (Market Street)	Construct Bicycle Lanes on North 23rd Street from SR1316 Blue Clay Road to US17 Market Street	2. Construct multi-use trail / road bike lane on state-maintained roadway	03.	Wilmington Urban Area MPO.	New Hanover County					To be Removed, placed in Holding Tank							
B14.1263	BlendedPed	Division Needs		Holly Shelter Road Sidewalk	NC133 (Castle Hayne Road)	Roger Haynes Drive	Construct a sidewalk on Holly Shelter Road from NC133 Castle Hayne Road to Roger Haynes Drive	5. Construct Sidewalk	03.	Wilmington Urban Area MPO.	New Hanover County					To be Removed, placed in Holding Tank							
B14.1307	BlendedPed	Division Needs	EB-5764	US76 Woodstar Street	US76 (Chandler Drive)	US76 (Chandler Drive)	Construct a sidewalk on US76 Woodstar Street from 8th Street to US76 Chandler Drive	5. Construct Sidewalk	03.	Wilmington Urban Area MPO.	New Hanover County	DIVISION 6%		24		Existing Project	Programmed and Committed (Yrs 6-10)				Yes		
B14.1312	BlendedPed	Division Needs	EB-5719	Peachtree Avenue Bicycle Lanes	(Park Avenue)	(Park Avenue)	Construct Bicycle Lanes along Peachtree Avenue from Park Avenue to Marmilian Avenue	1. Construct dedicated on-street multi-use trail / road bike lane on state-maintained roadway	03.	Wilmington Urban Area MPO.	New Hanover County	DIVISION		20		Committed Project	Programmed and Committed (Yrs 1-5)				Yes		
B14.1317	BlendedPed	Division Needs		Independence Boulevard Multi-Use Path	US421 (Carolina Beach)	US421 (Carolina Beach)	Construct a multi-use path along Independence Boulevard from South 17th Street to US421 Carolina Beach Road	2. Construct multi-use trail / road bike lane on local roadway	03.	Wilmington Urban Area MPO.	New Hanover County					To be Removed, placed in Holding Tank							
B14.1319	BlendedPed	Division Needs		Old Fayetteville Road Multi-Use Path	(Poulet Road)	(Poulet Road)	Construct a multi-use path along Old Fayetteville Road from US74/76 Andrew Jackson Highway to Cape Fear Boulevard	2. Construct multi-use trail / road bike lane on local roadway	03.	Wilmington Urban Area MPO.	Burkeville County					To be Removed, placed in Holding Tank							
B14.1322	BlendedPed	Division Needs		Clerdon Avenue Multi-Use Path and 1st Street Sidewalk	SR1573 (Dow Boulevard)	Cape Fear Boulevard	Construct a multi-use path on Clerdon Avenue from SR1573 Dow Road to S 5th Street and a sidewalk along 5th Street from Clerdon Avenue to Cape Fear Boulevard	2. Construct multi-use trail / road bike lane on local roadway	03.	Wilmington Urban Area MPO.	New Hanover County					To be Removed, placed in Holding Tank							
B14.1327	BlendedPed	Division Needs	EB-5765	US131N College Road Multi-Use Path	SR1525 (New Town Drive)	US131N College Road	Construct a multi-use path along North College Road from SR1525 New Town Drive to US131N College Road	2. Construct multi-use trail / road bike lane on local roadway	03.	Wilmington Urban Area MPO.	New Hanover County	DIVISION 6%		24		Existing Project	Programmed and Committed (Yrs 6-10)				Yes		
B14.1813	BlendedPed	Division Needs		Burkeville Nature Park MUP	Clerdon Road (SE)	(Clerdon Road SE)	Construct a multi-use path between Burkeville Nature Park at Clerdon Road SE in Burkeville County	2. Construct multi-use trail / road bike lane on local roadway	03.	Wilmington Urban Area MPO.	Burkeville County					To be Removed, placed in Holding Tank							
B14.1815	BlendedPed	Division Needs		SR1455 (Porters Neck Road) Multi-Use Path	SR1363 (Bayshore Dr)	SR1363 (Bayshore Dr)	Construct a multi-use path along SR1455 Porters Neck Road from US7 Market Street to SR1363 Bayshore Drive	2. Construct multi-use trail / road bike lane on local roadway	03.	Wilmington Urban Area MPO.	New Hanover County					To be Removed, placed in Holding Tank							
B14.1816	BlendedPed	Division Needs		Ogden Park Multi-Use Path	(Ogden Park Lane)	(Ogden Park Lane)	Construct a multi-use path between Ogden Park, Smith Creek Park, and Ogden Park	2. Construct multi-use trail / road bike lane on local roadway	03.	Wilmington Urban Area MPO.	New Hanover County					To be Removed, placed in Holding Tank							
B14.1819	BlendedPed	Division Needs		Pleasure Island Greenway MUP	(Granville Ave)	(Granville Ave)	Construct a multi-use path from Pleasure Island to US131N College Road	2. Construct multi-use trail / road bike lane on local roadway	03.	Wilmington Urban Area MPO.	New Hanover County					To be Removed, placed in Holding Tank							

# Prioritization 4.0 Existing Projects

June 25, 2015

SPOT ID	Mode	Project Category	TP#	Route/Facility Name	From/Cross Street	To	Description	Specific Improvement Type	AI Divisions	AI MPO/ROs	All Counties	Draft STP - Funding Category	Final STP Right-of-Way Schedule	Final STP Construction Schedule	P4.0 Project?	Status for P4.0	Comments	Does Project Have Slings?	Is at Least One Slings Programmed?	Slings Family #	P3.0 Local Input Points	Completed NEPA (Approved CE, EA/ONR, Final EIS, or Final NEPA Version)	Project Planning Actively Underway as of Dec. 31, 2014
B414823	BleasorPed	Division Needs		NC133 (River Road) Multi-Use Path	SR1564 (Old River Road)		Construct a multi-use path along NC133 River Road from Old River Road to Monocamle Boulevard with crosswalks at road bike lane on local road and at Monocamle Boulevard	2. Construct multi-use trail / road bike lane on local road and at Monocamle Boulevard	03, ..	Wilmington Urban Area MPO, ..	Brunswick County				To be Removed, placed in Holding Tank								
B414916	BleasorPed	Division Needs		SR1492 (Monocamle Road) MPO	Andrews Road (Lyn)	Parley Elementary School	Construct a multi-use path from Andrews Road (Lyn) to Parley Elementary School	2. Construct multi-use trail / road bike lane on local road and at Monocamle Boulevard	03, ..	Wilmington Urban Area MPO, ..	New Hanover County				To be Removed, placed in Holding Tank			Yes					
P130015	Ferry	Regional Impact		Southport - Ft Fisher	Southport - Ft Fisher		Port Expansion. Additional Mooring Facilities to future additional boat capacity	Port Expansion (to increase capacity)	03, ..	Capit Fear RPO, Wilmington Urban Area MPO, ..	Brunswick, New Hanover, ..				To be Removed, placed in Holding Tank			Yes					
P130016	Ferry	Division Needs		Southport - Ft Fisher	Southport - Ft Fisher		New River Class Vessel (to increase capacity)	New River Class Vessel (to increase capacity)	03, ..	Capit Fear RPO, Wilmington Urban Area MPO, ..	Pender, New Hanover, ..				To be Removed, placed in Holding Tank			Yes					Yes
H000215	Highway	Statewide Mobility	R-3300	US-17 New Route - Hampton Bypass	US-17 South of Hampton	US-17 North of Hampton	Construct Multi-Lanes on New Location, Upgrade Roadway to Secondary Standards, Some New Location, Upgrade Roadway to Interstate Standards	2. Upgrade Roadway to Interstate Standards	03, ..	Wilmington Urban Area MPO, ..	Pender, ..				Existing Project		Completed NEPA						
H000261	Highway	Division Needs	R-3024	SR-1644	Whiteville	Whiteville	Upgrade Roadway to Interstate Standards	16. Modernize Roadway	03, ..	Wilmington Urban Area MPO, ..	Pender, ..				Existing Project								
H000267-A	Highway	Statewide Mobility	R-4462	US-74, US-76	US 421 in Kure	US 421 in Kure	Upgrade Roadway to Interstate Standards	2. Upgrade Roadway to Interstate Standards	06, 03, ..	Capit Fear RPO, Wilmington Urban Area MPO, ..	Columbus, Brunswick, ..				Existing Project		Slings Programmed	Yes	Yes	63			
H000291	Highway	Division Needs	R-4708	SR-1573 Dow Road	US 421 in Kure	US 421 in Kure	Upgrade Roadway to Interstate Standards	16. Modernize Roadway	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..				To be Removed, placed in Holding Tank								
H000293	Highway	Statewide Mobility	R-4732	US-17	State Carolina State Line	US 74/76	Upgrade Roadway to Interstate Standards	16. Modernize Roadway	03, ..	Grand Strand Transportation Study Area, Capit Fear RPO, Wilmington Urban Area MPO, ..	Brunswick, ..				Existing Project		P3.0 Local Input Points	Yes		65	Yes		
H000293-E	Highway	Statewide Mobility	R-4732	US-17	NC 211	NC 87 (South)	Upgrade Roadway to Superstreet	4. Upgrade Roadway to Superstreet	03, ..	Capit Fear RPO, Wilmington Urban Area MPO, ..	Brunswick, ..				To be Removed, placed in Holding Tank			Yes		65			
H000360	Highway	Regional Impact	U-2724	NC-133	US 74 (Main Lumber Rd, Jr. Parkway) to Lumber Rd, Jr. Parkway	US 74 (Main Lumber Rd, Jr. Parkway) to Lumber Rd, Jr. Parkway	Upgrade Roadway to Superstreet	4. Upgrade Roadway to Superstreet	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..				To be Removed, placed in Holding Tank								
H000389	Highway	Division Needs	U-3337	US-74, US-76	SR 1537 (Old Fayetteville Road)	SR 1537 (Old Fayetteville Road)	Convert Grade Separation to Interchange	9. Convert Grade Separation to Interchange	03, ..	Wilmington Urban Area MPO, ..	Brunswick, ..				Existing Project		P3.0 Local Input Points						
H000390-C	Highway	Statewide Mobility	U-3338C	SR-1175 Kerr Avenue	SR 1175 (Kerr Avenue)	SR 1175 (Kerr Avenue)	Convert at-Grade Intersection to Interchange	9. Convert Grade Separation to Interchange	03, ..	Wilmington Urban Area MPO, ..	Brunswick, ..				Existing Project		P3.0 Local Input Points						
H000448-A	Highway	Division Needs	U-3831A	SR-2048 Gordon Road	NC 132 Interchange	NC 132 Interchange	Upgrade Roadway to Superstreet	4. Upgrade Roadway to Superstreet	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..				Existing Project		Programmed and Committed (Yrs 1-5)	Yes	Yes	82	Yes	Yes	
H000448-B	Highway	Division Needs	U-3831B	SR-2048 Gordon Road	NC 132 Interchange	NC 132 Interchange	Upgrade Roadway to Superstreet	4. Upgrade Roadway to Superstreet	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..				Existing Project		Programmed and Committed (Yrs 1-5)	Yes	Yes	82	Yes		
H000489	Highway	Statewide Mobility	U-5702A/B	NC-152 College Road	Shayward Boulevard	Shayward Boulevard	Construct an Additional Northbound Through Lane on College Road from Highway 152 to Village Boulevard	1. Widen Existing Roadway	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..				Existing Project		Included in U-5702		Yes	108			
H000499-B	Highway	Regional Impact	U-4802B	US-17/80-US-Market Street	Colonial Drive	SR 1375 (New Market Street)	Construct Access Management Improvements	11. Access Management	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..				Existing Project		Programmed and Committed (Yrs 1-5)	Yes	Yes	89	Yes	Yes	
H000499-C	Highway	Statewide Mobility	U-4802C	US-17/80-US-Market Street	Colonial Drive	SR 1375 (New Market Street)	Construct Access Management Improvements	11. Access Management	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..				Existing Project		Programmed and Committed (Yrs 1-5)	Yes	Yes	89			
H000499-D	Highway	Statewide Mobility	U-4802D	US-17/80-US-Market Street	Colonial Drive	SR 1375 (New Market Street)	Construct Access Management Improvements	11. Access Management	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..				Existing Project		Programmed and Committed (Yrs 1-5)	Yes	Yes	89			
H000711	Highway	Statewide Mobility	US 117 College Road	SR 2048	SR 2048	SR 2048	Upgrade College Road from Gordon Road to SR 2048 (New Center Drive)	4. Upgrade Roadway to Superstreet	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..				Existing Project		Programmed and Committed (Yrs 1-5)	Yes	Yes	108			
H000712	Highway	Regional Impact	US-117	NC 133	Proposed Chapel Fear Crossing	US 117/476	Construct a Right-of-Way at the intersection of US 117/476 and NC 133	10. Improve Intersection	03, ..	Wilmington Urban Area MPO, ..	Pender, ..				To be Removed, placed in Holding Tank								
H000713	Highway	Regional Impact	NC-133				Upgrade College Road from Gordon Road to SR 2048 (New Center Drive)	4. Upgrade Roadway to Superstreet	03, ..	Wilmington Urban Area MPO, ..	Brunswick, ..				Existing Project		P3.0 Local Input Points					Yes	
H000714	Highway	Statewide Mobility		New Route - Scientific Park Drive Extension	23rd Street	Creekwood Neighborhood	Upgrade College Road from Gordon Road to SR 2048 (New Center Drive)	4. Upgrade Roadway to Superstreet	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..				To be Removed, placed in Holding Tank								
H000717	Highway	Regional Impact	U-5790	US-421 Carolina Beach Road	NC 132	Sanders Road	Upgrade College Road from Gordon Road to SR 2048 (New Center Drive)	4. Upgrade Roadway to Superstreet	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..				Existing Project		Programmed and Committed (Yrs 1-5)				Yes		
H000718	Highway	Division Needs		New Route - River Road	US 421	Prior Road	Upgrade College Road from Gordon Road to SR 2048 (New Center Drive)	4. Upgrade Roadway to Superstreet	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..				To be Removed, placed in Holding Tank								
H000720	Highway	Division Needs		New Route - River Road	US 421	Prior Road	Upgrade College Road from Gordon Road to SR 2048 (New Center Drive)	4. Upgrade Roadway to Superstreet	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..				To be Removed, placed in Holding Tank								
H000721	Highway	Division Needs		New Route - River Road	US 421	Prior Road	Upgrade College Road from Gordon Road to SR 2048 (New Center Drive)	4. Upgrade Roadway to Superstreet	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..				To be Removed, placed in Holding Tank								



# Prioritization 4.0 Existing Projects

June 25, 2015

SPOT ID	Mode	Project Category	TP#	Route/Facility Name	From/Cross Street	To	Description	Specific Improvement Type	All Divisions	All MPO/COs	All Counties	Draft STP - Funding Category	Final STP Right-of-Way Schedule	Final STP Construction Schedule	P4.0 Project?	Status for P4.0	Comments	Does Project Have Slings?	Is at Least One Sliding Programmed?	Sliding Family #	P3.0 Local Input Points?	Completed NEPA EAP/ONR Final Review (Version)	Project Planning Activity (Final Review Dec. 31, 2014)
H109722	Highway	Division Needs		New Route	Military Cutoff Road	Market Street	Construct a Route on New Location from Military Cutoff Road Extension to Market Street	5 - Construct Roadway on New Location	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..				To Be Removed, placed in Holding Tank								
H109724	Highway	Division Needs		New Route	Mount Misery Road	Cedar Hills Road	Construct New Route	5 - Construct Roadway on New Location	03, ..	Wilmington Urban Area MPO, ..	Burswick, ..				To Be Removed, placed in Holding Tank								
H109725	Highway	Division Needs		New Route	Mount Misery Road	Old Mill Road	Construct New Route	5 - Construct Roadway on New Location	03, ..	Wilmington Urban Area MPO, ..	Burswick, ..				To Be Removed, placed in Holding Tank								
H109803	Highway	Statewide Mobility		US-17	Wilmington Bypass	Onslow County Line	Improve Safety and Preserve the Capacity of the Highway from the MPO Boundary to the Onslow County Line (Rt 9-FS06005).	4 - Upgrade Arterial to Superstreet	03, ..	Wilmington Urban Area MPO, Cape Fear RPO, ..	Pender, ..				Existing Project	P3.0 Local Input Points					Yes		
H110974	Highway	Division Needs		River Road	Independence Boulevard	US 421 (Stovall Road)	Widen from 2 to 4 Lane Highway with Pedestrian Continued As 4 Lane Highway on New Location with Multi-Use Path	6 - Widen Existing Roadway and Construct Path on New Location	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..				To Be Removed, placed in Holding Tank								
H110975	Highway	Statewide Mobility		King J. Parkway / Elmwood Drive, US-421	Market Street	Division Drive	Construct Flyovers at intersection	10 - Improve Intersection	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..				Existing Project	P3.0 Local Input Points					Yes		
H110976	Highway	Regional Impact	U-5689	US-421 Carolina Beach Road	NC 132 (South College Road)	Division Drive	Construct Flyovers at intersection	10 - Improve Intersection	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..	DIVISION 6%	23	25	Permanently Deleted	Individual Project No Longer Needed	Combined into U-5790				Yes		
H110978	Highway	Statewide Mobility	U-5731	US-74	US 17/421	Randall Parkway	Construct a Flyover and Free Four Ramp at interchange	10 - Improve Intersection	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..	REGIONAL	22	24	Existing Project	Programmed and Reauthorized (Yrs 6-10)					Yes		
H110979	Highway	Statewide Mobility	FUNDED UNDER U-5725/26	NC-132 South College Road	US 17	Randall Parkway	Upgrade Arterial, Add Bicycle Lanes and Sidewalks.	11 - Access Management	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..	REGIONAL			Permanently Deleted	Individual Project No Longer Needed	Included in U-5702		Yes	108	Yes		
H110980	Highway	Regional Impact	U-5683	NC-133	I-140/US17 (Wrightsville Bypass)	Division Drive	Widen Highway, Add Multi-Use Path	1 - Widen Existing Roadway	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..	REGIONAL 6%	22	24	Existing Project	Programmed and Subject to Reauthorization (Yrs 6-10)					Yes		
H110981	Highway	Regional Impact	U-5734	US-421/TRAUCK- South Front Street	Business/76/421 (Cap Fear Blvd)	Boulevard	Widen to Four Lane Divided Arterial, Add Multi-Use Path and Sidewalk	1 - Widen Existing Roadway	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..	REGIONAL	21	23	Existing Project	Programmed and Subject to Reauthorization (Yrs 6-10)					Yes		
H110987	Highway	Regional Impact	U-5729	US-421 Carolina Beach Road	US 421 (Shoyard Boulevard)	US 117	Upgrade Arterial with Landscaped Median and Bus-Bus-Outs	4 - Upgrade Arterial to Superstreet	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..	REGIONAL	19	20	Committed Project	Programmed and Committed (Yrs 1-5)			Yes	143	Yes		
H110988	Highway	Regional Impact	U-5681	US-421 Carolina Beach Road	US 117 (Shoyard Boulevard)	George Anderson Drive	Upgrade Arterial By Adding a Landscaped Median	11 - Access Management	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..				Existing Project	Sliding Programmed			Yes	143	Yes		
H110989	Highway	Regional Impact	U-5689	US-17 BUS-	US 17 (South 17th Street)	Civil Avenue	Construct a Road Duct, Add Bicycle Lanes on New Location	16 - Modernize Roadway	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..	DIVISION 6%	24	25	Existing Project	Subject to Reauthorization (Yrs 6-10)					Yes		
H110991	Highway	Division Needs		SR-1175 Kerr Avenue	SR 1411 (Oxander Road)	US 76	Construct Extension of Existing Roadway on New Location	5 - Construct Roadway on New Location	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..				To Be Removed, placed in Holding Tank								
H110992	Highway	Statewide Mobility	FUNDED UNDER U-5725/26	US-117 South College Road	US 76 (Oxander Road)	US 76	Upgrade Arterial, Add Bicycle Lanes and Sidewalks.	16 - Modernize Roadway	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..	REGIONAL			Permanently Deleted	Individual Project No Longer Needed	Included in U-5702		Yes	108	Yes		
H110993	Highway	Division Needs		SR-1175	Patrick Avenue	US 1411	Widen Arterial from Two to Four Lanes	1 - Widen Existing Roadway	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..				To Be Removed, placed in Holding Tank								
H110994	Highway	Regional Impact		NC-133	US 17/74/76	SR 1554 (Old River Road)	Upgrade Arterial, Add Landscaped Median, Left-Turn Lanes, Bicycle Lanes and Sidewalks	16 - Modernize Roadway	03, ..	Wilmington Urban Area MPO, ..	Burswick, ..				Existing Project	P3.0 Local Input Points					Yes		
H111303	Highway	Division Needs	R-4063	SR-1472 Village Drive Extension	West of SR Fayetteville (Lanvale Road)	SR 1438	Widen to Multi-Lanes with bicycle accommodations	1 - Widen Existing Roadway	03, ..	Wilmington Urban Area MPO, ..	Burswick, ..				To Be Removed, placed in Holding Tank								
H123103	Highway	Statewide Mobility	U-4751	SR-1409 New Route-Independence Extension	Military Cutoff Road at US 17 Bypass	US 17 Bypass	Construct Multi-Lanes on New Location.	5 - Construct Roadway on New Location	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..	STATEWIDE MOBILITY	15	18	Committed Project	Programmed and Committed (Yrs 1-5)					Yes		
H126837	Highway	Division Needs	U-4434	SR-1209 New Route-Independence Extension	Independence Bypass	US 74, Martin Luther King, Jr. Parkway (US 421)	Construct Multi-Lanes on New Location	6 - Construct Roadway on New Location	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..				Existing Project	Planning Active as of December 2014						Yes	
H126846	Highway	Statewide Mobility	U-4738	New Route - Cape Fear Crossings	US 17 in Burswick County	US 17 in Burswick County	Construct Freeway on New Location with a Structure Over the Cape Fear River (all)	5 - Construct Roadway on New Location	03, ..	Wilmington Urban Area MPO, ..	Burswick, New Hanover, ..				Existing Project	Planning Active as of December 2014						Yes	
H126848	Highway	Division Needs	U-4436	I-140 Wilmington Bypass, US-17	SR 1316 (Blue Clay Road)	US 17	Convert Grade Separation to Interchange	9 - Convert Grade Separation to Interchange	03, ..	Wilmington Urban Area MPO, ..	New Hanover, ..				To Be Removed, placed in Holding Tank								
H140400	Highway	Division Needs		SR-1114 Blueberry Rd	US 421	NC 210	Modernize roadway to improve traffic safety from two 9-10 foot lanes to two 12-foot lanes with a paved shoulder and per Pender Co. CTP.	16 - Modernize Roadway	03, ..	Wilmington Urban Area MPO, Cape Fear RPO, ..	Pender, ..				To Be Removed, placed in Holding Tank								
H140415	Highway	Statewide Mobility		I-74/ALT-1/40-140 Connector, I-140-ALT	I-140 Wilmington Bypass	I-74/US-17 (Near Supply)	Construct a new expressway on new location from I-140 to proposed I-74 or US-17 near Supply	5 - Construct Roadway on New Location	03, ..	Cape Fear RPO, Wilmington Urban Area MPO, ..	Burswick, ..				To Be Removed, placed in Holding Tank								
H141187	Highway	Division Needs		SR-1437 (Old Fayetteville Road)	SR 1437 (Old Fayetteville Road)	SR 1472 (Village Road)	Construct a project on new location from SR 1437 (Old Fayetteville Road) at Basin Road to SR 1472 (Village Road) at Graham Dr NE in Lenoir, NC.	5 - Construct Roadway on New Location	03, ..	Wilmington Urban Area MPO, ..	Burswick, ..				To Be Removed, placed in Holding Tank								

# Prioritization 4.0 Existing Projects

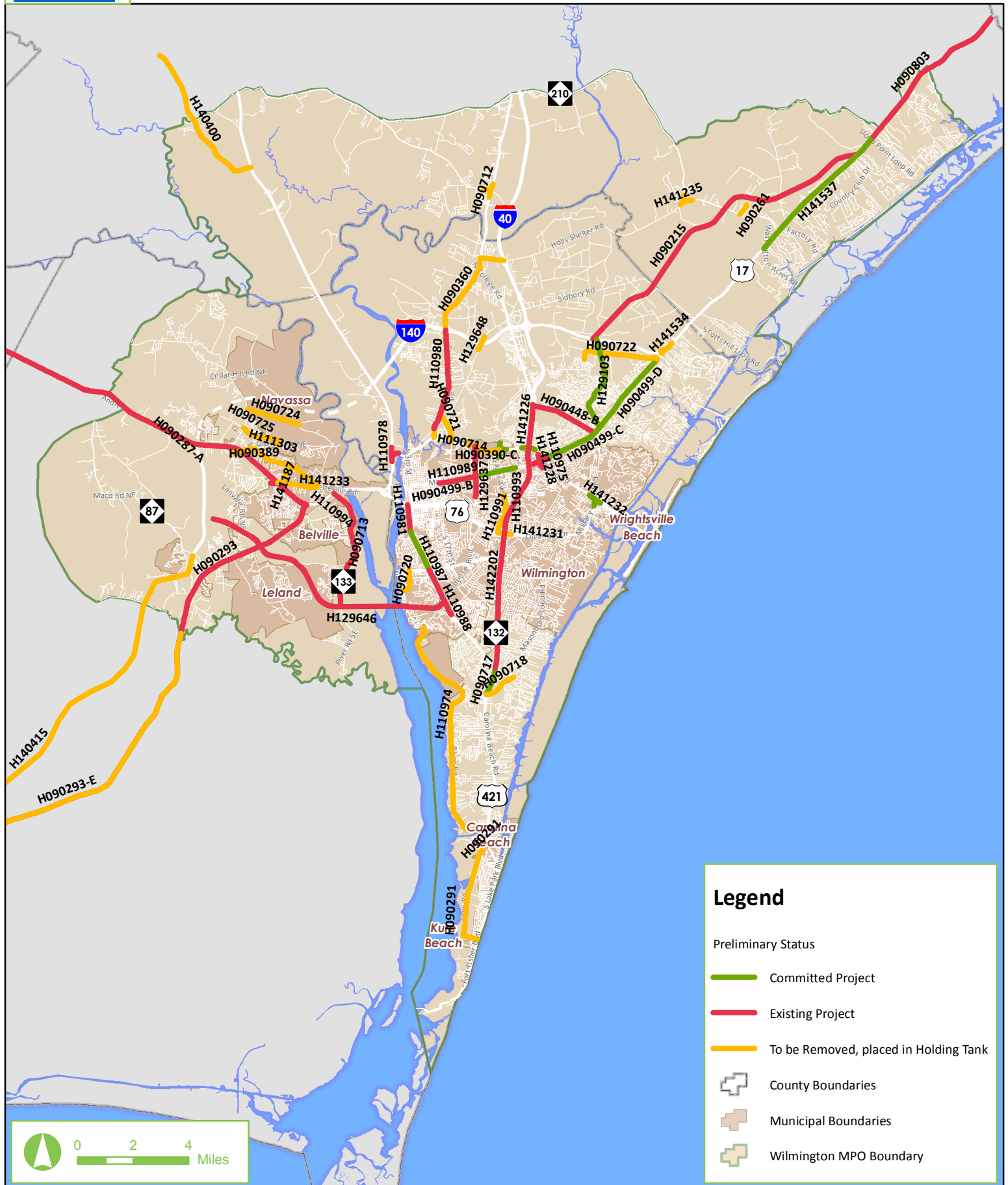
June 25, 2015

SPOT ID	Mode	Project Category	Type	Route/Facility Name	From / Cross Street	To	Description	Specific Improvement Type	All Divisions	All MPO/URPOs	All Counties	Draft STP - Funding Category	Final STP Right-of-Way Schedule	Final STP Construction Schedule	P4.0 Project?	Status for P4.0	Comments	Does Project Have Siblings?	Is at Least One Sibling Programmed?	Shifting Family #	P3.0 Local Input Points?	Completed NEPA (APRONS, Final EIS, ROD or State Version)	Project Planning Actively Underway as of Dec. 31, 2014
H4141226	Highway	Statewide Mobility	U-5792	US-74 Martin Luther King Jr. Parkway	US117NC132 (College Road)		Convert at-grade intersection to a SPUI	7 - Upgrade At-grade Intersection to Interchange or Grade Separation	03, .	Wilmington Urban Area MPO, .	New Hanover, .	DIVISION	20	22	Committed Project	Programmed and Committed (Yrs 1-5)					Yes		
H4141228	Highway	Statewide Mobility		US-74 Eastwood Road	US17BUS (Market Street)		Convert at-grade intersection to a SPUI	7 - Upgrade At-grade Intersection to Interchange or Grade Separation	03, .	Wilmington Urban Area MPO, .	New Hanover, .				Existing Project	P3.0 Local Input Points					Yes		
H4141231	Highway	Statewide Mobility		US-76 Oleander Drive	US117NC132 (College Road)		Convert at-grade intersection to a SPUI	7 - Upgrade At-grade Intersection to Interchange or Grade Separation	03, .	Wilmington Urban Area MPO, .	New Hanover, .				To be Removed, placed in Holding Tank								
H4141232	Highway	Statewide Mobility	U-5710	US-74 Eastwood Road	SR 1409 (Cottrell Road)		Convert at-grade intersection to an interchange	7 - Upgrade At-grade Intersection to Interchange or Grade Separation	03, .	Wilmington Urban Area MPO, .	New Hanover, .	STATEWIDE MOBILITY	20	22	Committed Project	Programmed and Committed (Yrs 1-5)							
H4141233	Highway	Division Needs		SR 1457 Old Fayetteville Road	US 476 (Jackson Highway)	SR 1472 (Village Road)	Widen Old Fayetteville Road from SR1472/Village Road to US74/76 Andrew Jackson Highway interchange	1 - Widen Existing Roadway	03, .	Wilmington Urban Area MPO, .	Burkeville, .				To be Removed, placed in Holding Tank								
H4141235	Highway	Regional Impact		NC-210	SR 1002 (Island Creek Rd)		Improve safety at intersection of NC210 with SR 1002, Laurel Creek Road in Perdue County	10 - Improve Intersection	03, .	Wilmington Urban Area MPO, .	Pender, .				To be Removed, placed in Holding Tank								
H4141534	Highway	Statewide Mobility		US-17 BUS/Market Street, US-17 Bypass	US 17		Reconfigure ramps & add multi-lane northbound ramp from US 17 Business onto US 17.	8 - Improve Interchange	03, .	Wilmington Urban Area MPO, .	New Hanover, .				To be Removed, placed in Holding Tank								
H4141537	Highway	Statewide Mobility	U-5772	US-17	near SR 1582 (US 17 Bypass) & US 17 Bypass interchange	New SR 1583 (US 17 Bypass Loop Road)	Construct a super-street design	4 - Upgrade Arterial to Superstreet	03, .	Wilmington Urban Area MPO, .	Pender, .	REGIONAL	19	21	Committed Project	Programmed and Committed (Yrs 1-5)				Yes			
H4142202-A	Highway	Statewide Mobility	U-5702A	NC-132 College Road	SR 2648 (Gordon Road)	US 117 (Shyler Boulevard)	Access management and travel time improvements	1 - Widen Existing Roadway	03, .	Wilmington Urban Area MPO, .	New Hanover, .		23	25	Existing Project	Programmed and Committed (Yrs 6-10)		Yes	Yes	108			
H4142202-B	Highway	Regional Impact	U-5702B	NC-132 College Road	US 117 (Shyler Boulevard)	US 421 (Carolina Beach Road)	Access management and travel time improvements	1 - Widen Existing Roadway	03, .	Wilmington Urban Area MPO, .	New Hanover, .		23	25	Existing Project	Programmed and Committed (Yrs 6-10)		Yes	Yes	108			
T130053	Transit	Division Needs		Wilmington Multimodal Facility			Renovation of contributing historical structures for transit portion of Downtown Wilmington Multimodal Transit Center. Property for transit and rail portion of the project purchased by NCDOT. Transit portion would encompass downtown transfer location for Wave Transit with over 10,000 monthly trips. Temporary parking and meeting space for Wilmington Urban Area MPO.	Facilities-Facility demand	03, .	Wilmington Urban Area MPO, .	New Hanover, .				To be Removed, placed in Holding Tank								



## P 3.0 Preliminary Project Status in P 4.0

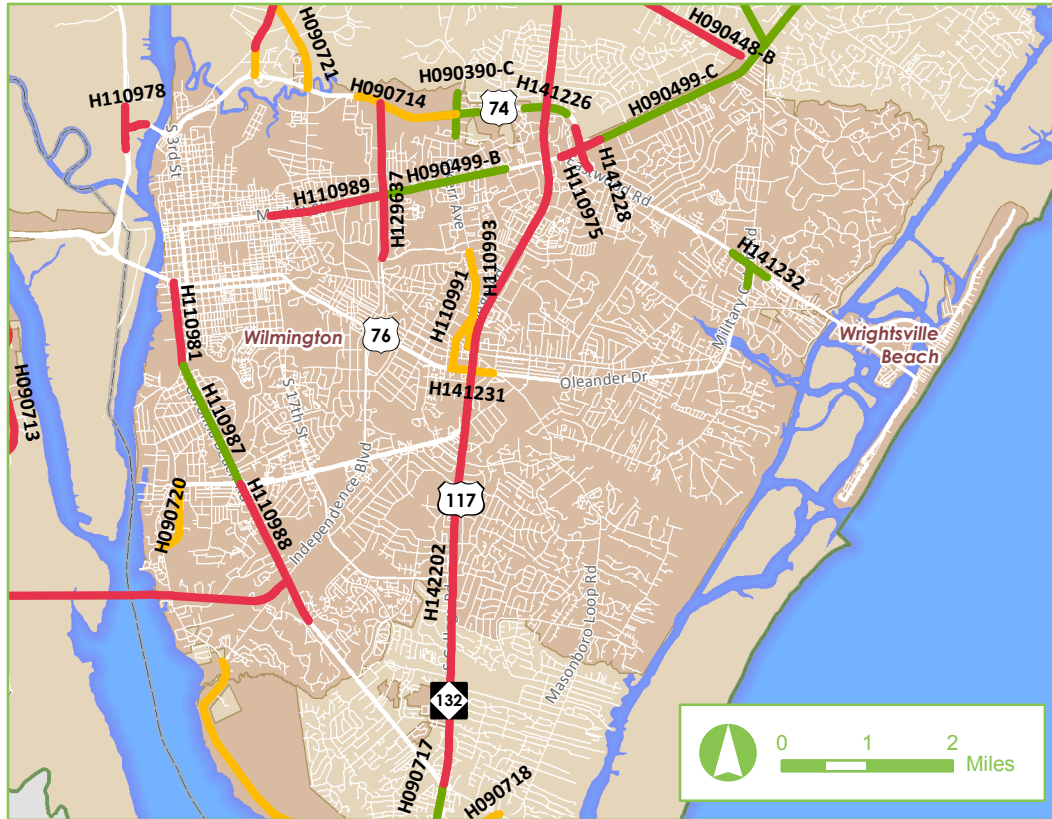
NOTE: This map was created for the 7/22/15 WMPO TAC Meeting for reference purposes only and may not depict final list of P 4.0 submittals. Submittals will not be finalized until October 2015.





## P 3.0 Preliminary Project Status in P 4.0

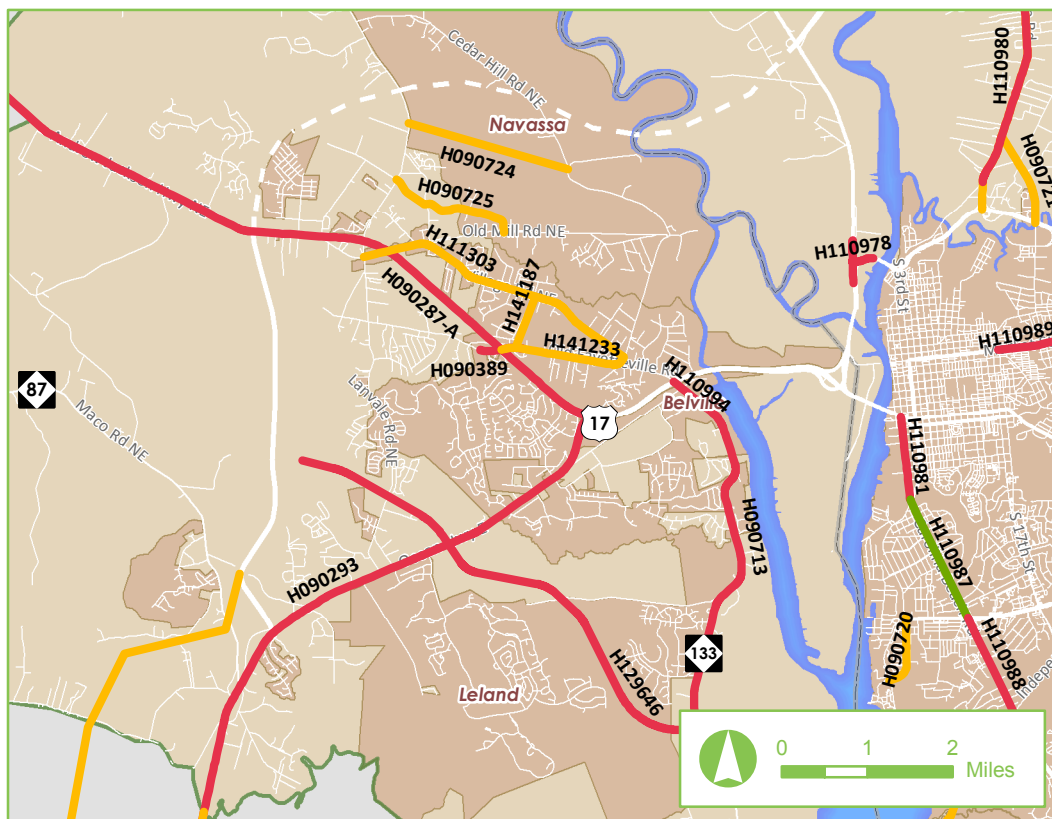
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### Wilmington

#### Preliminary Status

- Committed Project
- Existing Project
- To be Removed, placed in Holding Tank
- County Boundaries
- Municipal Boundaries
- Wilmington MPO Boundary



### Leland, Belville, & Navassa

#### Preliminary Status

- Committed Project
- Existing Project
- To be Removed, placed in Holding Tank
- County Boundaries
- Municipal Boundaries
- Wilmington MPO Boundary



## WILMINGTON URBAN AREA Metropolitan Planning Organization

P.O. Box 1810  
Wilmington, North Carolina 28402  
910.342.2781 910.341.7801 FAX

### MEMORANDUM

**TO:** TAC Members

**FROM:** Suraiya Rashid, Senior Transportation Planner

**DATE:** July 22, 2015

**SUBJECT:** **WMPO Prioritization 4.0 Potential Submittals: Interchange, Intersection, Superstreets, and Operational Projects**

#### Members:

City of  
WILMINGTON  
Lead Planning Agency

Town of  
CAROLINA BEACH

Town of  
KURE BEACH

Town of  
WRIGHTSVILLE BEACH

NEW HANOVER  
County

Town of  
BELVILLE

Town of  
LELAND

Town of  
NAVASSA

BRUNSWICK  
County

PENDER  
County

CAPE FEAR  
Public Transportation  
Authority

North Carolina  
BOARD OF  
TRANSPORTATION

The North Carolina Department of Transportation (NCDOT) Strategic Prioritization Office of Transportation (SPOT) released a request on June 4, 2015 that each MPO/RPO and Division provide a list of interchange, intersection, superstreet and operational projects that are anticipated to be submitted for their upcoming Prioritization 4.0 (P 4.0) process. A deadline for these submittals is September 1, 2015. While the official project submittal window for NCDOT's P 4.0 process will not begin until October 2015, SPOT has requested that potential projects of these types be submitted so as to allow the NCDOT Congestion Management team lead time in creating and/or updating microsimulations used to calculate travel time savings scoring components. No project will be officially considered "submitted", nor will a project be precluded from submittal, until it is formally submitted during the official P 4.0 submittal window.

Wilmington MPO staff have reviewed the list of projects for anticipated funding in the draft *Cape Fear Transportation 2040* document as well as those submitted in NCDOT's Prioritization 3.0 process. Below please find the full list of pertinent projects under consideration:

- R-13 US117/NC132/College and US76/Oleander Intersection
- R-17 Carolina Beach Road and College Road Flyovers
- R-18 Isabel Holmes Bridge Flyovers
- R-26 Wrightsville Avenue and Wallace Avenue Roundabout
- R-27 Oleander Drive and Pine Grove Intersection
- R-39 Country Club/Doral Drive and Sloop Point Loop Road
- R-42 NC133/Castle Hayne Road and 23rd Street Roundabout
- R-43 Front Street & Carolina Beach Road Intersection
- R-44 Old Fayetteville Road Interchange
- R-45 New Centre Drive and Market Street Intersection
- R-46 Greenville Avenue and Oleander Drive Intersection
- R-48 CBR & Shipyard Blvd Intersection (wb)
- R-51 Shipyard Boulevard Speed Sensors and Warning activation at NC Port of Wilmington
- R-54 Market Street and Martin Luther King Jr. Pkwy Flyovers

- R-112\* Blue Clay Road Interchange
- R-109\* NC210 and Island Creek Road Intersection
- R-115\* US17BUS/ and US17 Intersection
- R-12 \*\* US17 Superstreet
- R-16\*\* US74/Eastwood Road & Military Cutoff Road
- R-19\*\* US117/NC132/College and Martin Luther King Jr.  
PkwY Intersection
- R-20\*\* Kerr Avenue and Martin Luther King Jr PkwY  
Intersection

\* Projects not currently listed in the draft *Cape Fear Transportation 2040* plan as anticipated funded projects.

\*\* Projects currently listed in P 4.0 database as "Committed Project" programmed and committed in years 1-5 of the 2015-2025 STIP.





**Legend**

- Potential P 4.0 Intersection Projects, R-#
- Potential P 4.0 Superstreet/Operational Projects, R-#
- County Boundaries
- Municipal Boundaries
- Wilmington MPO Boundary

0 2 4 Miles

- Potential P 4.0 Intersection Projects, R-#
- Potential P 4.0 Superstreet/Operational Projects, R-#
- County Boundaries
- Municipal Boundaries
- Wilmington MPO Boundary

# INTERCHANGE AND INTERSECTION DESIGNS FOR USE IN SPOT ON!INE

October 22, 2013



This document contains examples of 31 different interchange and intersection designs with for use in SPOT On!ine, NCDOT's GIS-based Web Application for providing automated, near real-time prioritization scores and project costs.

The designs shown provide a variety of configurations for users to choose from when entering an existing or proposed (project) interchange or intersection type for a new project in the application. The designs selected are used to calculate quantitative scores for the Prioritization process, as well as calculate a planning-level cost estimate for the project.

The interchange and intersections designs used in SPOT Online were developed by a team from the Strategic Prioritization Office (SPOT), Roadway Design Unit, Preliminary Estimates Section, and the Transportation Planning Branch. Please contact the Strategic Prioritization Office with any questions.



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## Diamond Interchange

(I-540 at Leesville Road in Raleigh)





## Diamond Interchange with 1 Loop

(US 264 at US 301 in Wilson)





## Diamond Interchange with 2 Loops

(I-485 at Rea Road in Charlotte)





## Tight Urban Diamond Interchange

(I-440 at Wake Forest Road in Raleigh)





## Single Point Urban Interchange (SPUI)

(I-40 at Fayetteville Road in Durham)





## Diverging Diamond Interchange (DDI) (I-285 at Ashford-Dunwoody Road in Dunwoody, GA)





## Modern Roundabout Interchange (Keystone Parkway at 126<sup>th</sup> Street in Carmel, IN)





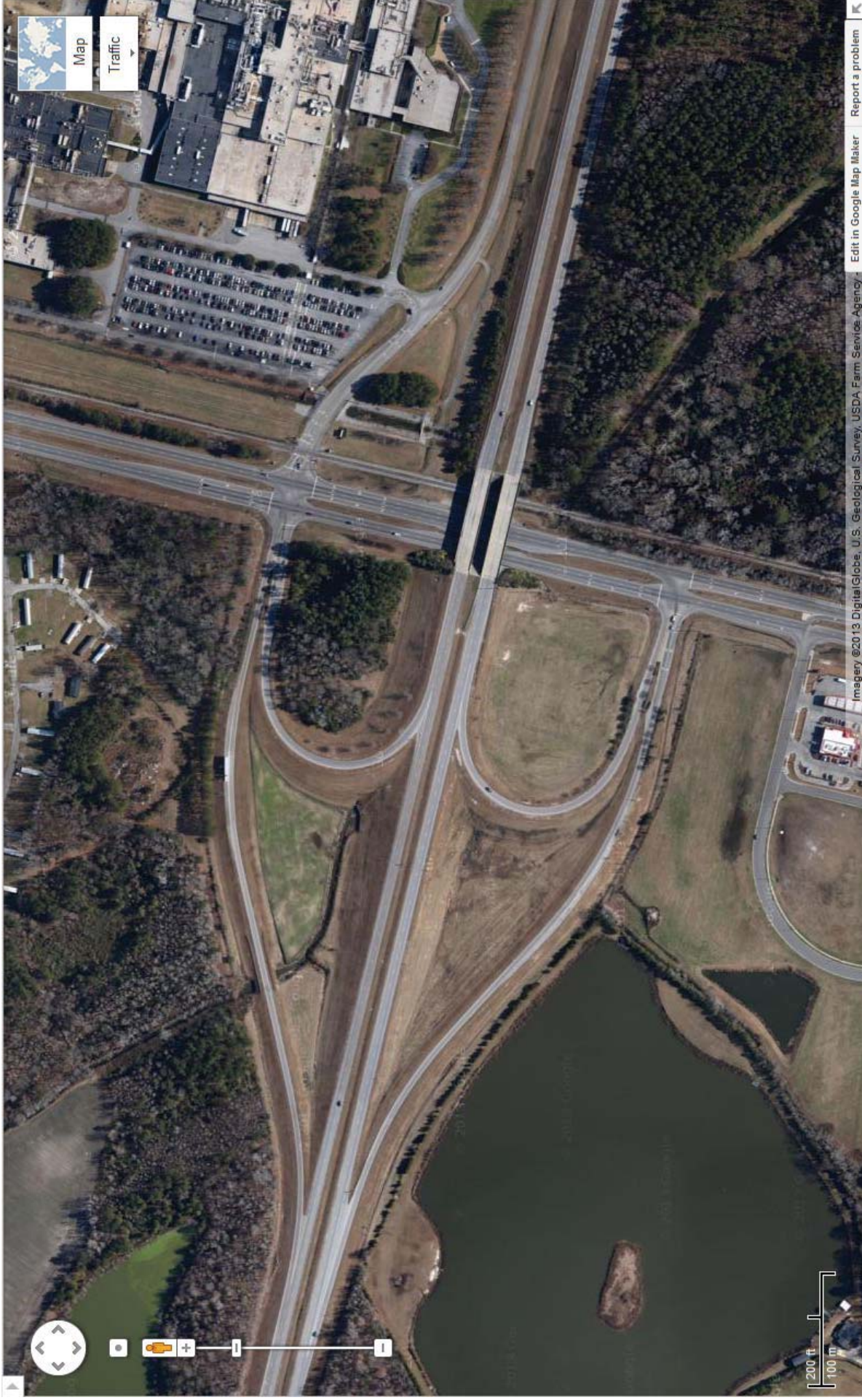
## Split Diamond Interchange

(I-85 at US 15-501 Business and NC 55 in Durham)





## Half Clover Interchange (US 264 at US 13 in Greenville)





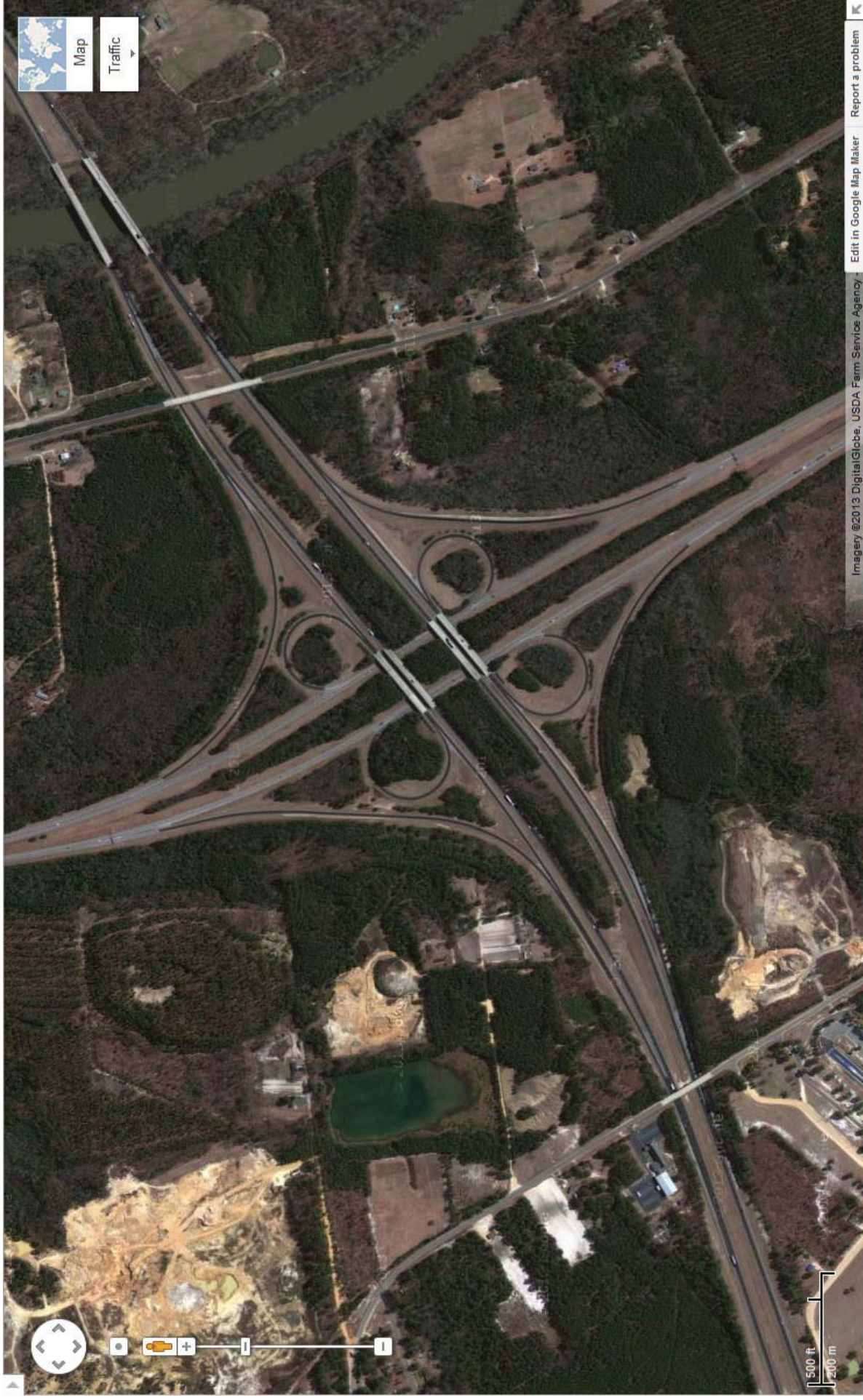
## Trumpet Interchange (I-40 at US 74 near Waynesville)





## Cloverleaf Interchange with 2 Collector-Distributors

(I-95 at NC 87 in Fayetteville)





## Cloverleaf Interchange with 4 Collector-Distributors

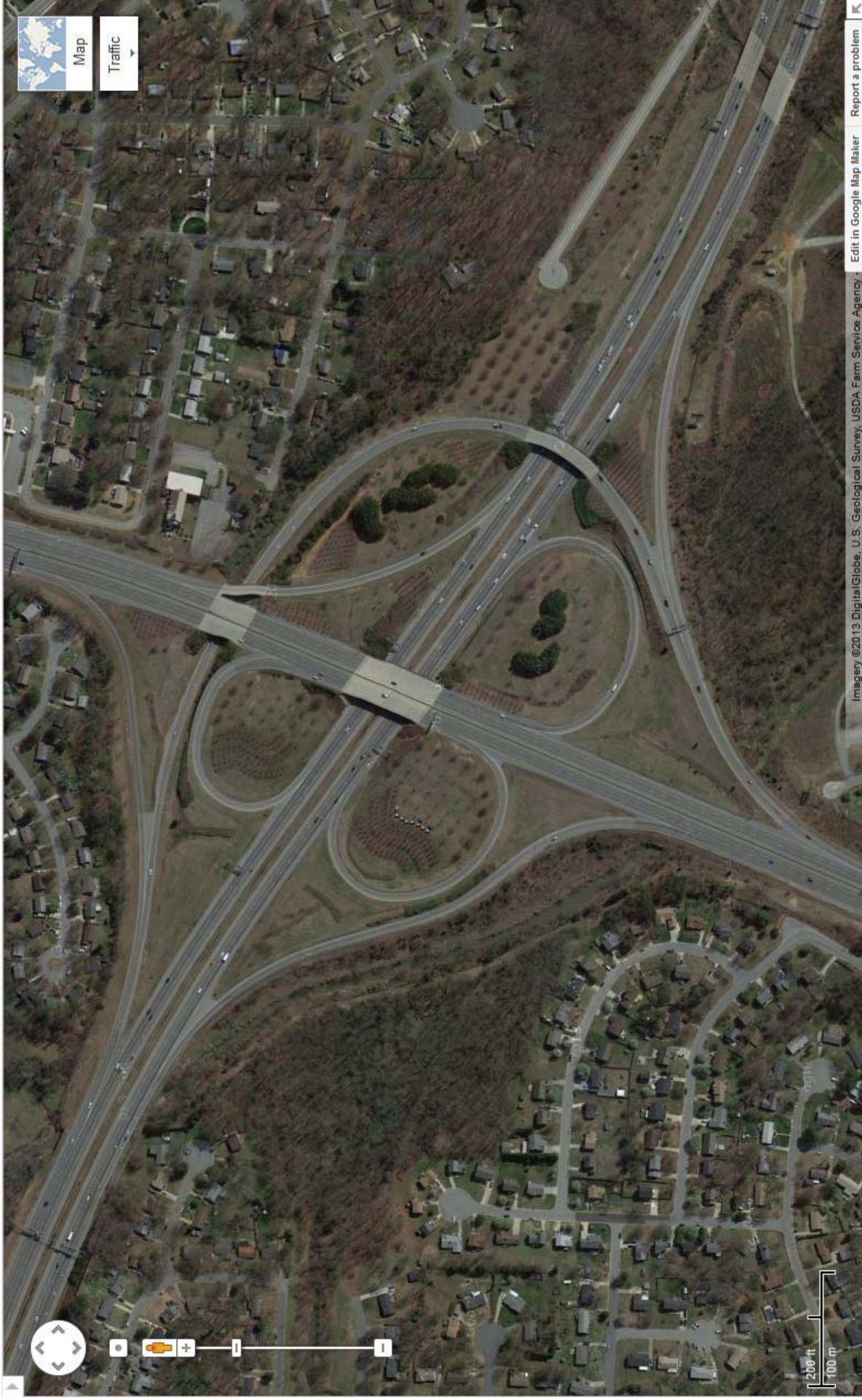
(I-95 at NC 24 in Fayetteville)





## Directional Interchange with 1 Flyover Ramp and 3 Loops

(I-40 at US 220 in Greensboro)



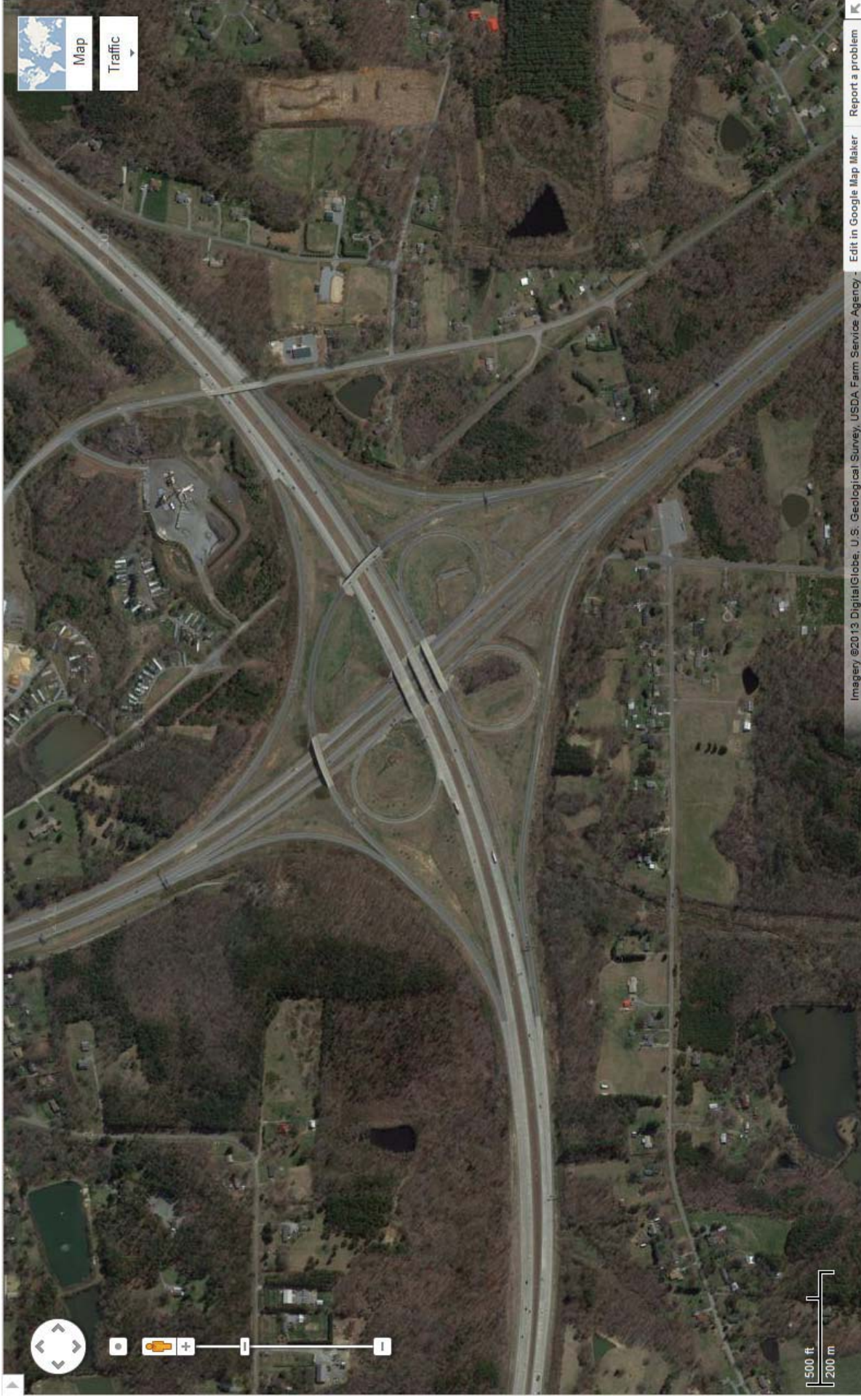


## Directional Interchange with 1 Flyover Ramp and 3 Loops with 1 Collector-Distributor (I-40 at I-540 near Research Triangle Park)





## Directional Interchange 1 Flyover Ramp and 3 Loops with 2 Collector-Distributors (I-85 at US 421 in Greensboro)





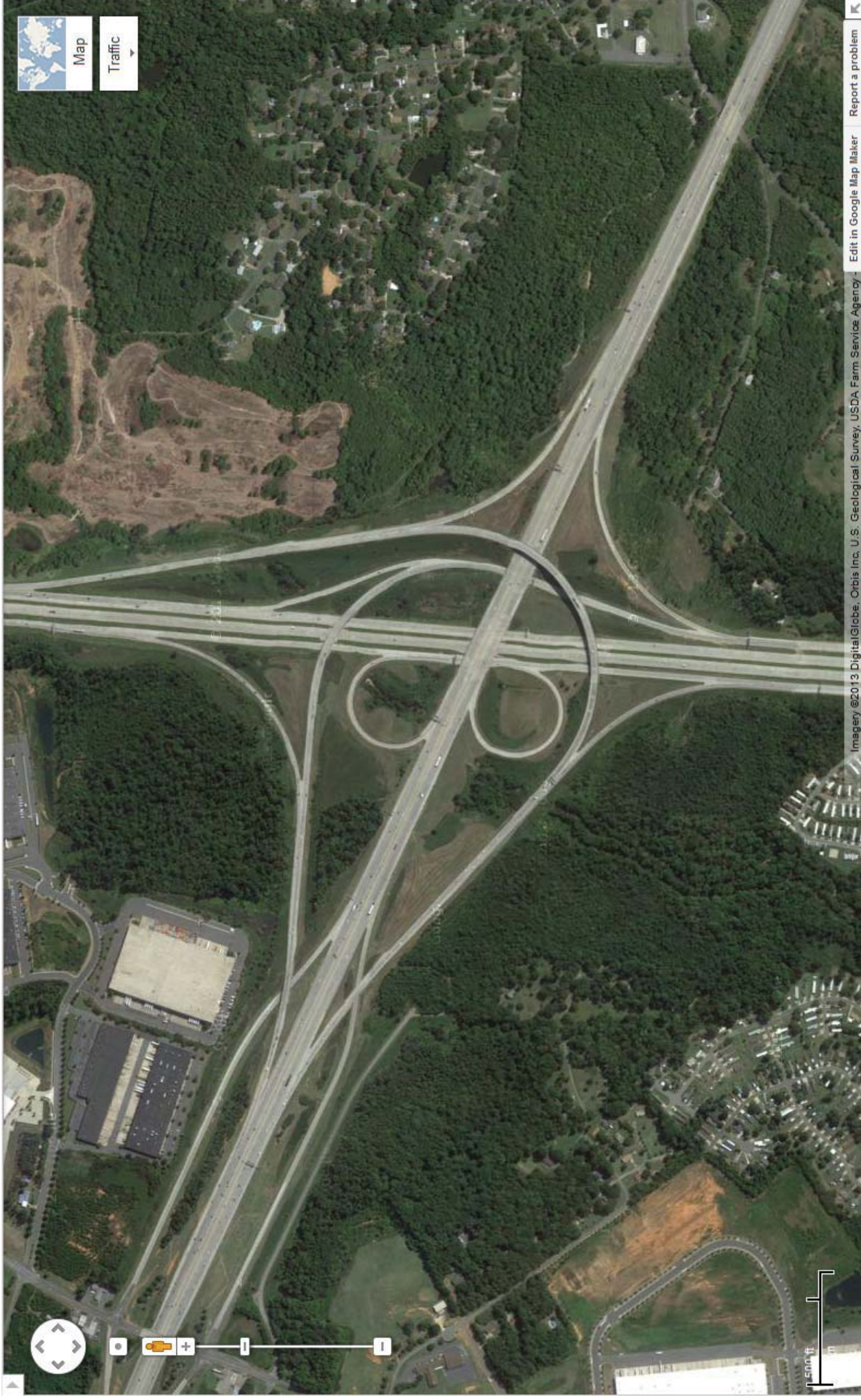
## Directional Interchange with 2 Flyover Ramps and 2 Loops – Example 1

(I-540 at US 70 in Raleigh)





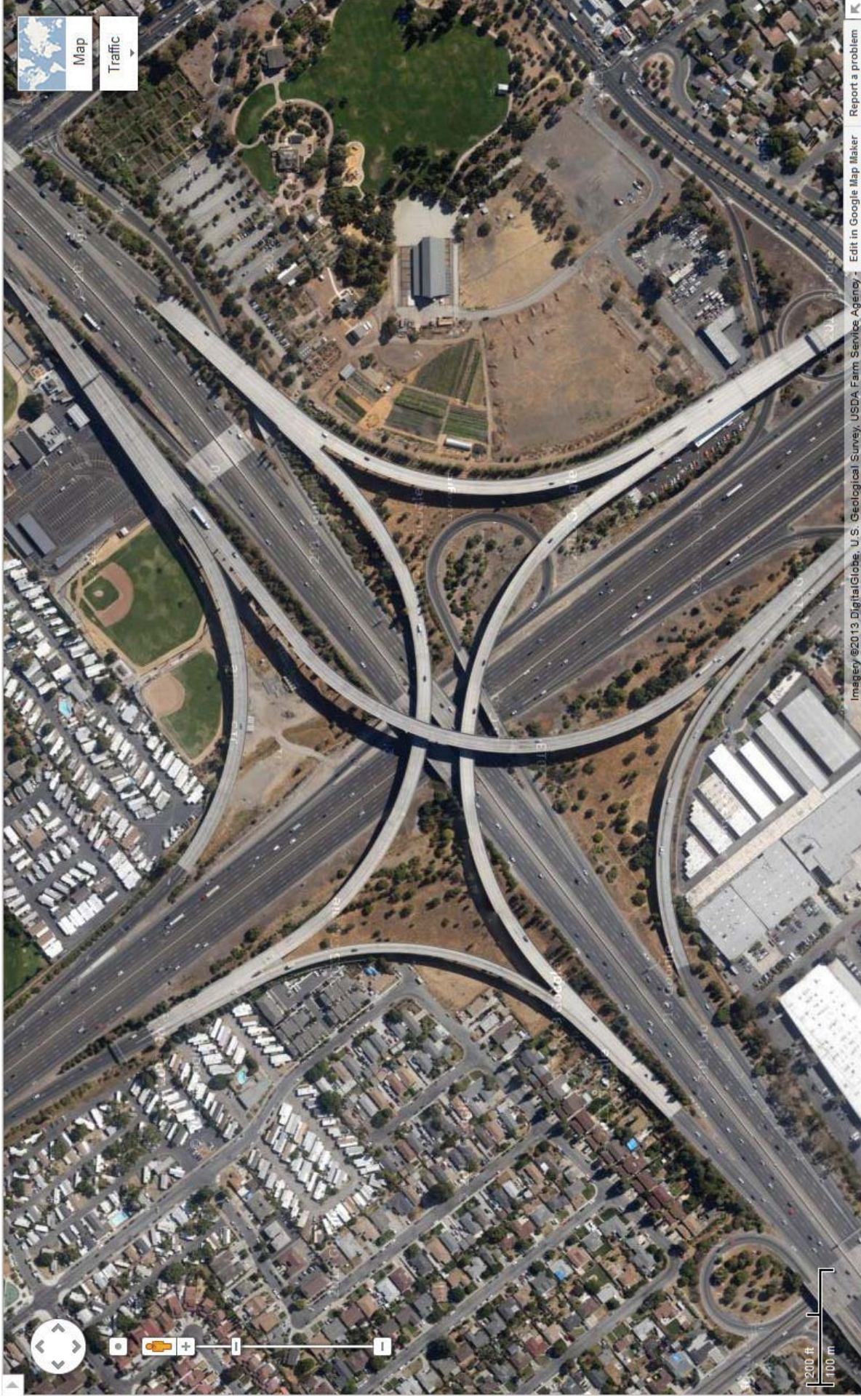
## Directional Interchange with 2 Flyover Ramps and 2 Loops – Example 2 (I-85 at I-485 in Charlotte)





## Directional Interchange with 3 Flyover Ramps and 1 Loop

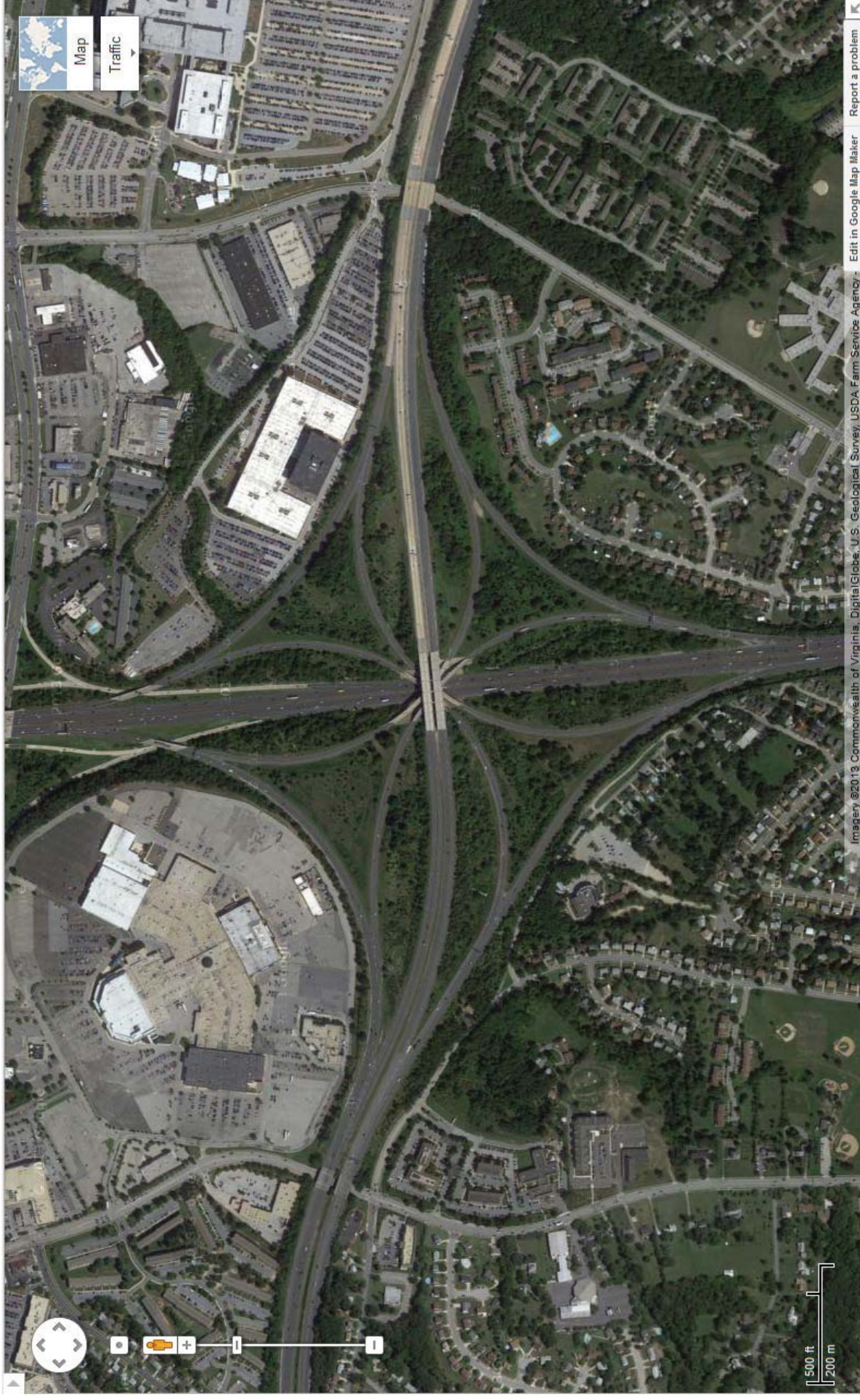
(I-280 at US 101 in San Jose, CA)





## Directional Interchange with 4 Flyover Ramps

(I-695 at I-70 in Baltimore, MD)





## Turbine Interchange (A3 at R0 in Brussels, Belgium)





## Quadrant with Grade Separation (Hillsborough Road at Hillendale Road in Durham)





## Main Line over Cross Street (Grade Separation)

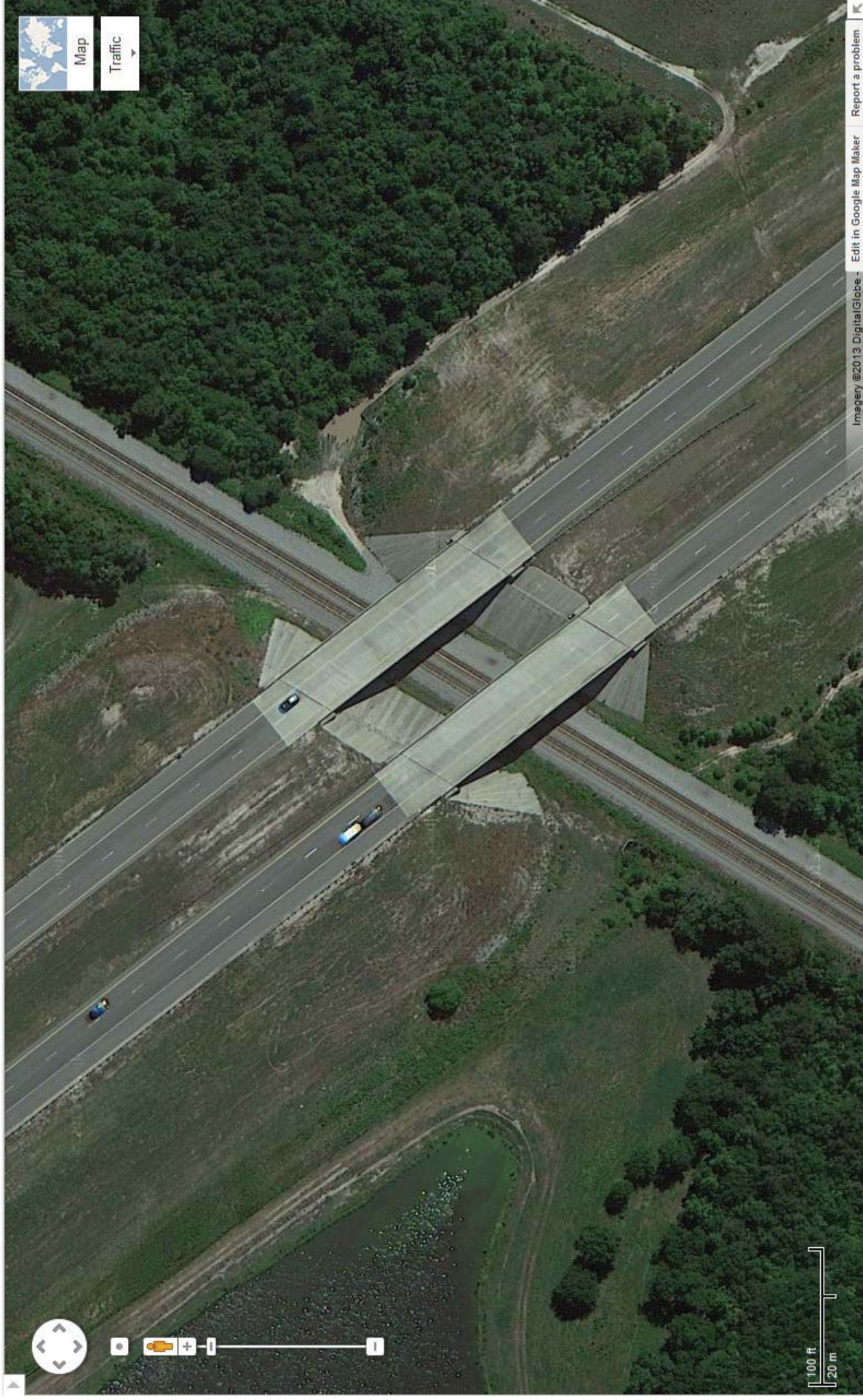
I-540 at Litchford Road in Raleigh





## Main Line over Railroad (Grade Separation)

(I-74 over CSX Railroad near Pembroke)





## Cross Street over Main Line (Grade Separation)

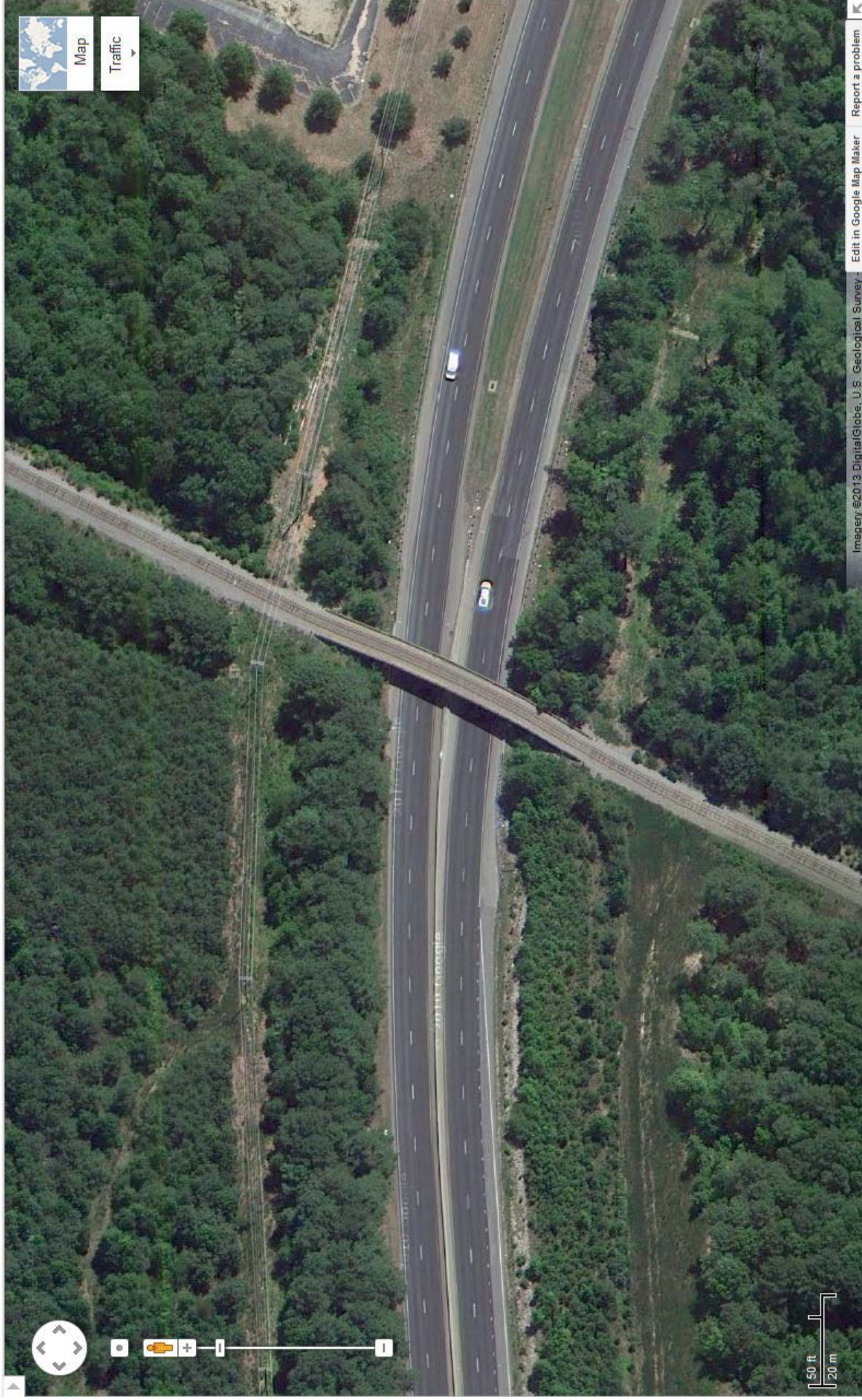
(I-26 at Blue Ridge Parkway in Asheville)





## Railroad over Mainline (Grade Separation)

(US 64 at CSX Railroad in Apex)





## Directional Crossover with 1-Lane Bulb Outs (Superstreet)

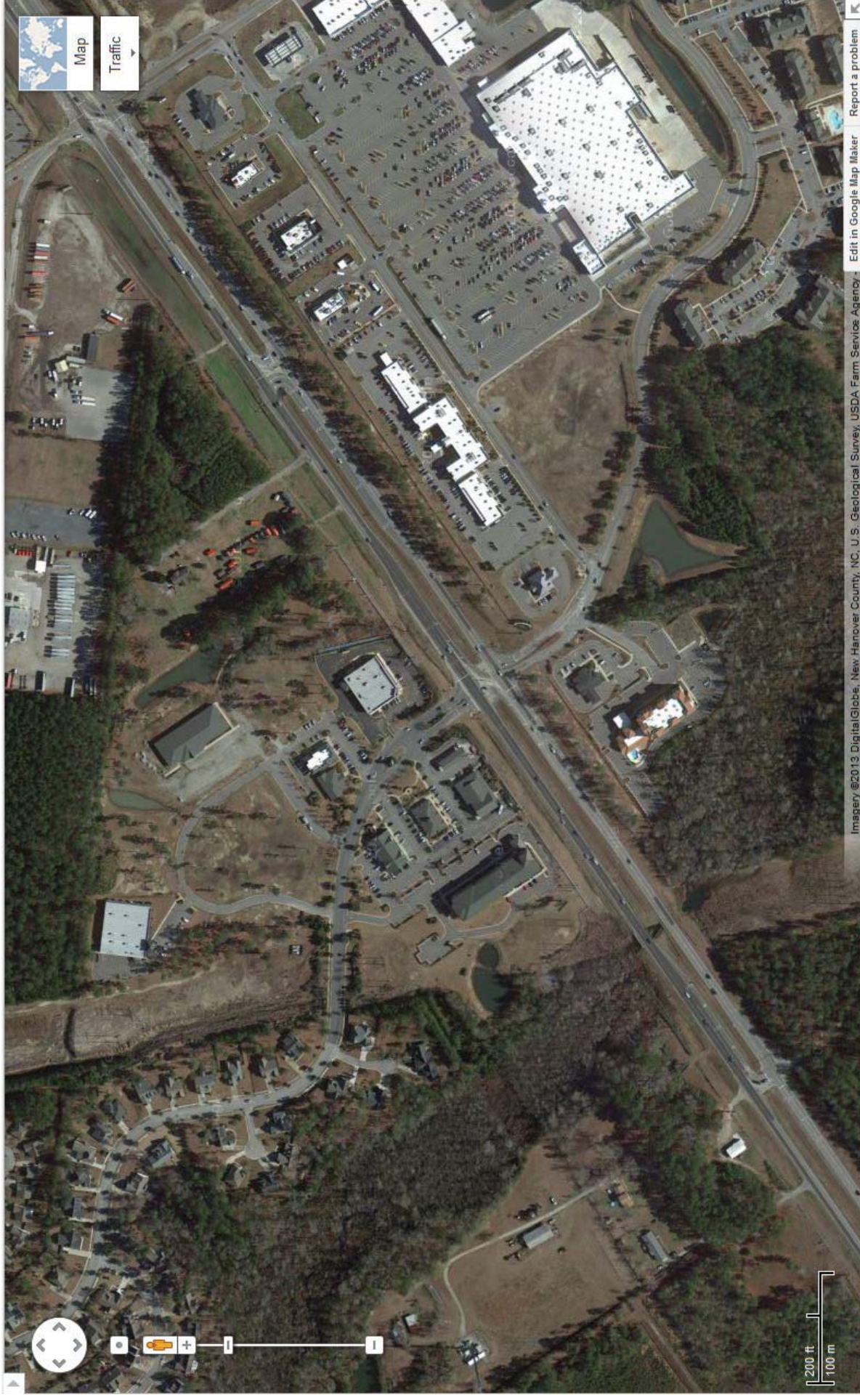
(NC 16 at St. James Church Road near Denver, NC)





## Directional CrossOver with 2-Lane Bulb Outs with Signals (Superstreet)

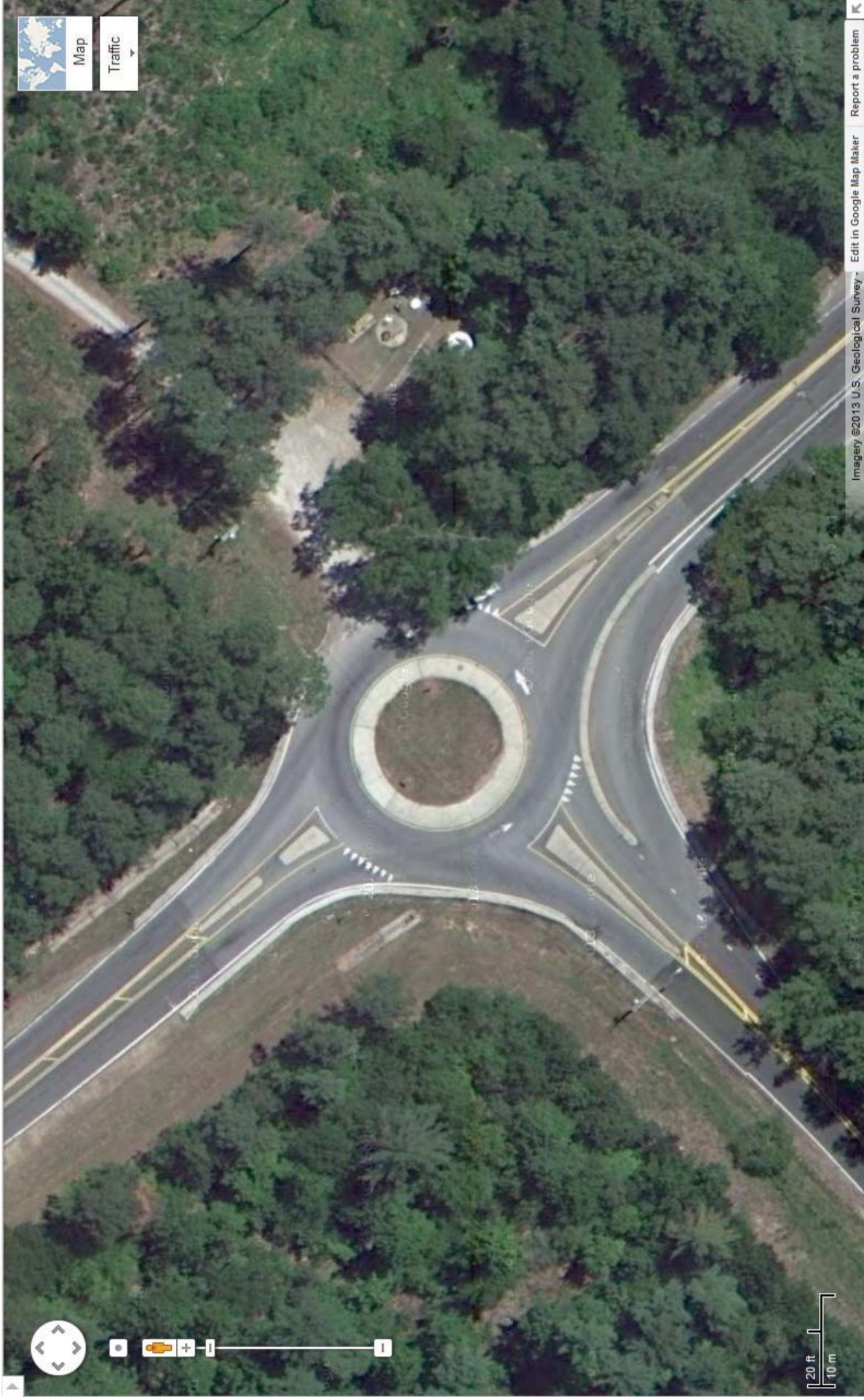
(US 17 at Grandiflora Drive/W Gate Drive in Leland)



Imagery ©2013 DigitalGlobe, New Hanover County, NC, U.S. Geological Survey, USDA Farm Service Agency - Edit in Google Map Maker Report a problem



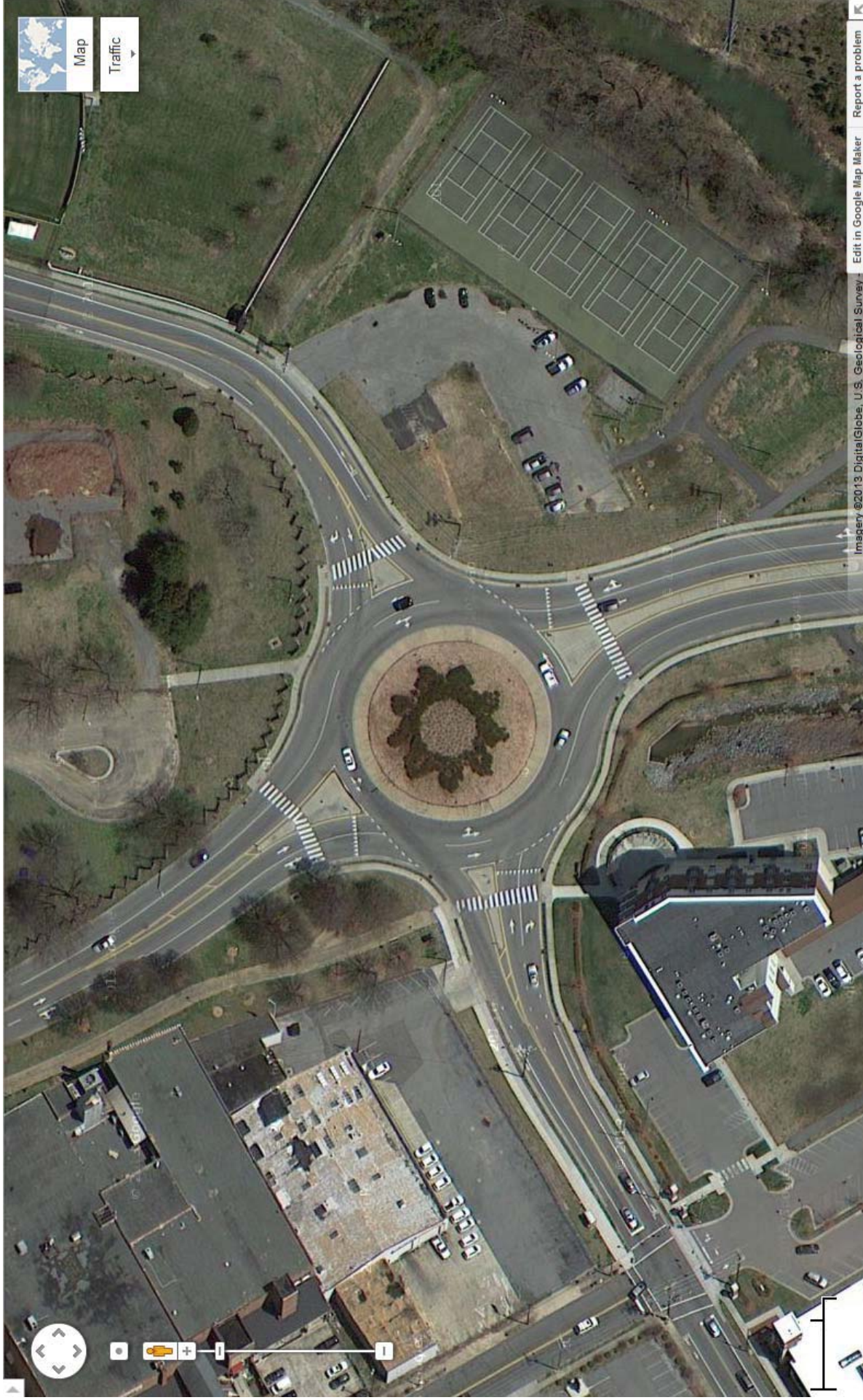
## 1 Lane Roundabout (NC 751 at Erwin Road in Durham)





## 2 Lane Roundabout

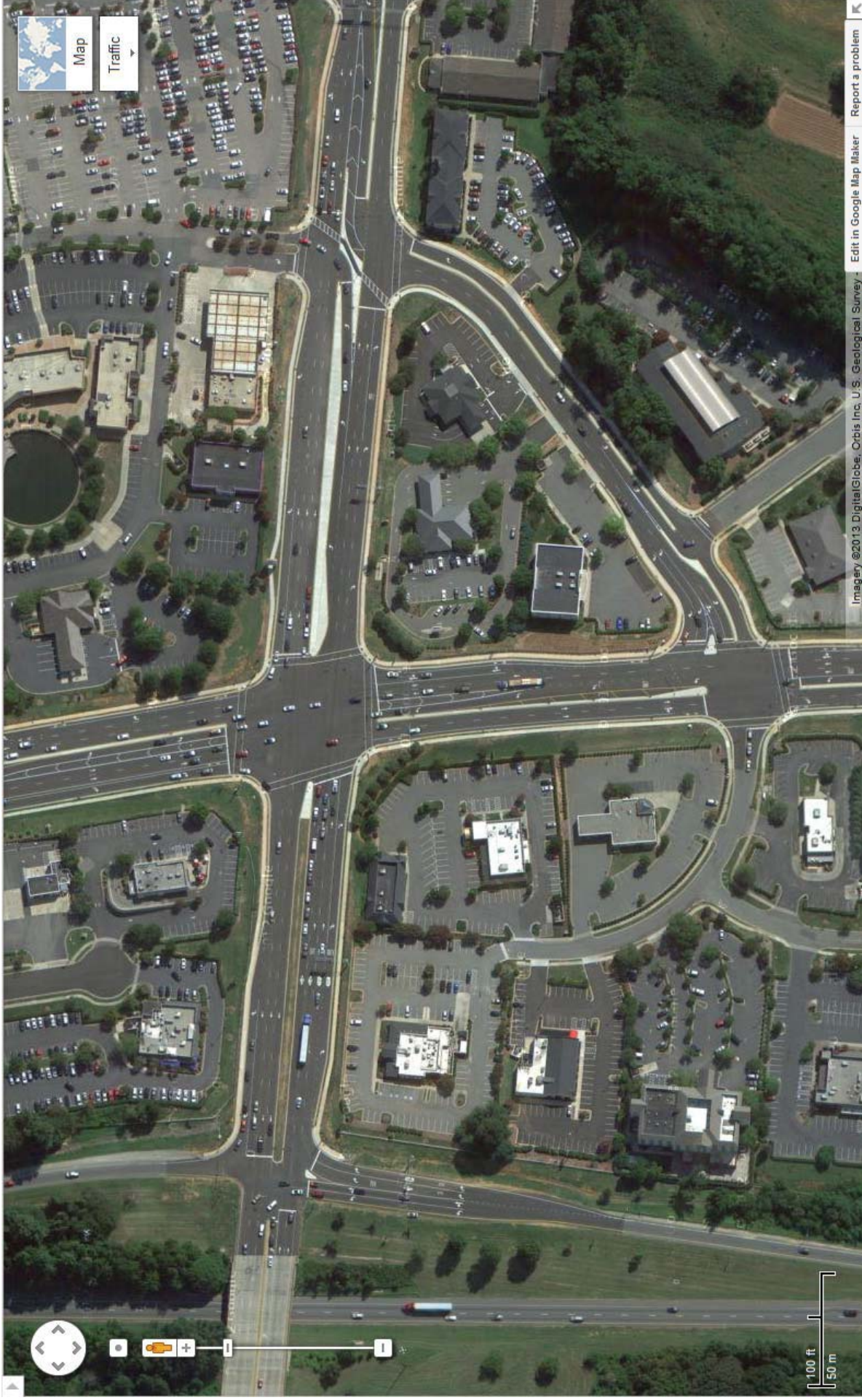
Salem Avenue at Old Salem Road/South Main Street in Winston-Salem





## At-grade Quadrant (1 quadrant)

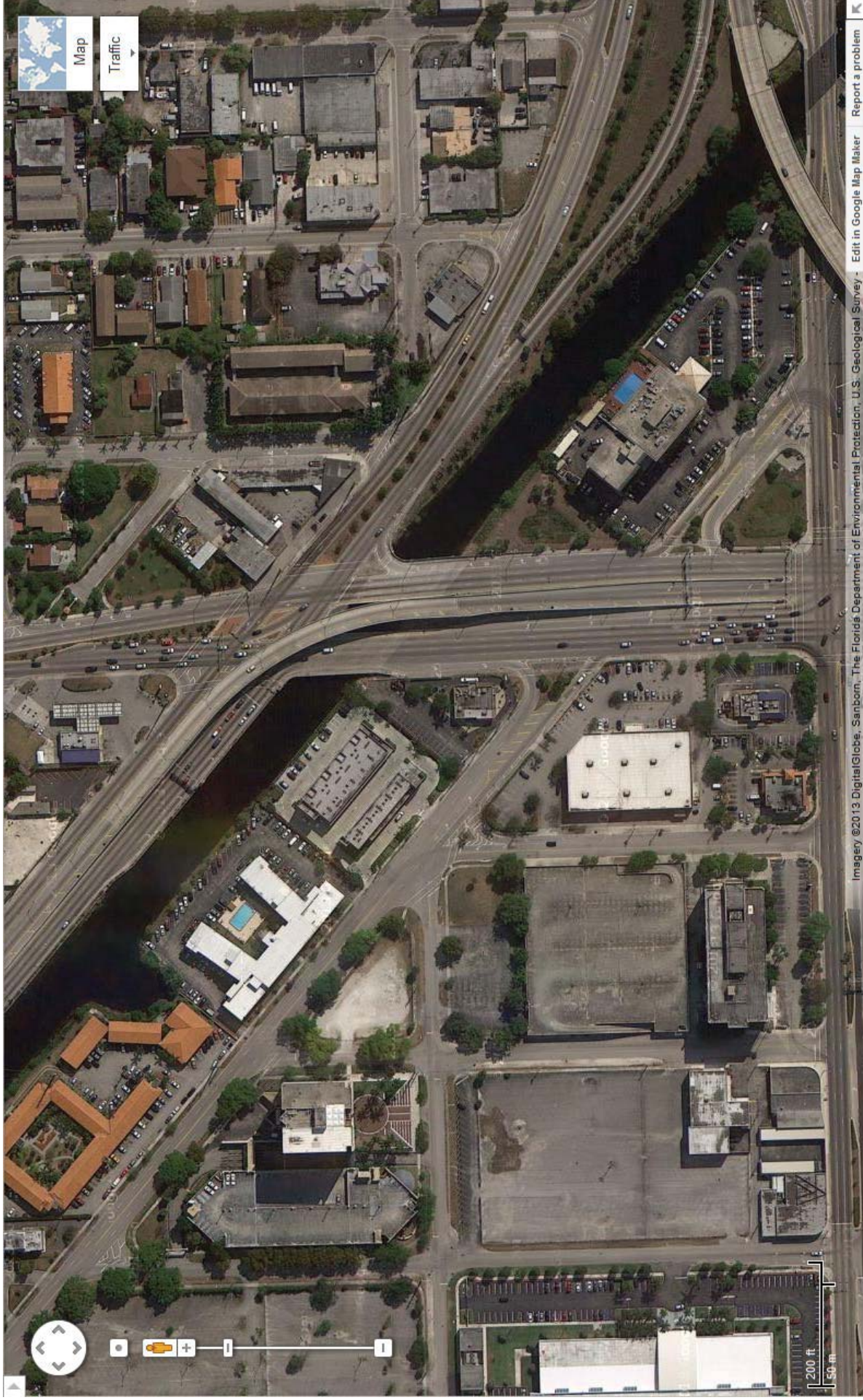
US 21 at NC 73 in Huntersville





## Add 1 Flyover to an At-grade Intersection

(US 27 at South Le Jeune Road in Miami, FL)





## Add 1 Flyover (1 Lane) and High-Speed Ramp to an At-grade Intersection

US 74 at Third Street in Wilmington





## WILMINGTON URBAN AREA Metropolitan Planning Organization

P.O. Box 1810  
Wilmington, North Carolina 28402  
910.342.2781 910.341.7801 FAX

### MEMORANDUM

**TO:** TAC Members

**FROM:** Suraiya Rashid, Senior Transportation Planner

**DATE:** July 22, 2015

**SUBJECT:** **WMPO Prioritization 4.0 Potential Alternative Criteria  
(Region B and Division 3)**

#### Members:

City of  
WILMINGTON  
Lead Planning Agency

Town of  
CAROLINA BEACH

Town of  
KURE BEACH

Town of  
WRIGHTSVILLE BEACH

NEW HANOVER  
County

Town of  
BELVILLE

Town of  
LELAND

Town of  
NAVASSA

BRUNSWICK  
County

PENDER  
County

CAPE FEAR  
Public Transportation  
Authority

North Carolina  
BOARD OF  
TRANSPORTATION

The North Carolina Department of Transportation (NCDOT) Strategic Prioritization Office of Transportation (SPOT) released a tentative Prioritization 4.0 (P 4.0) schedule on June 8, 2015 to include a deadline of October 1, 2015 for submitting agreed-upon alternative criteria for the evaluation of Regional Impact and Division Needs projects.

In consultation with MPOs, RPOs and the NCDOT Division Offices, it is anticipated that the following criteria weights may better serve local Regional Impact projects for evaluation purposes:

Criteria	P 4.0 Default	Region B Anticipated Alternate
Benefit-Cost	20%	10%
Congestion	20%	10%
Accessibility/Connectivity	10%	10%
Safety	10%	20%
Freight	10%	10%
Multimodal	0%	10%

In consultation with MPOs, RPOs and the NCDOT Division Office, it is anticipated that the following criteria weights may better serve local Division Needs projects for evaluation purposes:

Criteria	P 4.0 Default	Division 3 Anticipated Alternate
Benefit-Cost	15%	0%
Congestion	15%	10%
Accessibility/Connectivity	5%	5%
Safety	10%	15%
Freight	5%	10%
Multimodal	0%	10%

Upon direction from the TAC, staff proposes to create a resolution of support for the above alternate criteria for the board's consideration at the August 26<sup>th</sup>, 2015 meeting.



**From:** [Voelker, Don](#)  
**To:** [burlmpo@ci.burlington.nc.us](mailto:burlmpo@ci.burlington.nc.us); [pconrad@mblsolution.com](mailto:pconrad@mblsolution.com); [chris.lukasina@campo-nc.us](mailto:chris.lukasina@campo-nc.us); [rwcook@charlottenc.gov](mailto:rwcook@charlottenc.gov); [felix.nwoko@durhamnc.gov](mailto:felix.nwoko@durhamnc.gov); [mrutan@co.cumberland.nc.us](mailto:mrutan@co.cumberland.nc.us); [paul@landofsky.org](mailto:paul@landofsky.org); [hankg@cityofgastonia.com](mailto:hankg@cityofgastonia.com); [JCollins@goldsboronc.gov](mailto:JCollins@goldsboronc.gov); [mhoeweler@wrcog.org](mailto:mhoeweler@wrcog.org); [john.marshall@wpcog.org](mailto:john.marshall@wpcog.org); [tyler.meyer@ci.greensboro.nc.us](mailto:tyler.meyer@ci.greensboro.nc.us); [dvreeland@greenvillenc.gov](mailto:dvreeland@greenvillenc.gov); [greg.venable@highpointnc.gov](mailto:greg.venable@highpointnc.gov); [aprinz@ci.jacksonville.nc.us](mailto:aprinz@ci.jacksonville.nc.us); [mchapman@co.cumberland.nc.us](mailto:mchapman@co.cumberland.nc.us); [bob.league@rockymountnc.gov](mailto:bob.league@rockymountnc.gov); [Mike.Kozlosky@grege@cityofws.org](mailto:Mike.Kozlosky@grege@cityofws.org); [awelsh@albemarlecommission.org](mailto:awelsh@albemarlecommission.org); [aserkin@capefearcog.org](mailto:aserkin@capefearcog.org); [pflanagan@eccog.org](mailto:pflanagan@eccog.org); [rwill@eccog.org](mailto:rwill@eccog.org); [dgraham@regiond.org](mailto:dgraham@regiond.org); [kfuller@regionc.org](mailto:kfuller@regionc.org); [bcrawford@kerrtarcog.org](mailto:bcrawford@kerrtarcog.org); [vicki.eastland@landofsky.org](mailto:vicki.eastland@landofsky.org); [janet.robertson@lumberrivercog.org](mailto:janet.robertson@lumberrivercog.org); [jstrickland@mccog.org](mailto:jstrickland@mccog.org); [bbuck@mideastcom.org](mailto:bbuck@mideastcom.org); [ejernigan@ptrc.org](mailto:ejernigan@ptrc.org); [joakes@mideastcom.org](mailto:joakes@mideastcom.org); [jday@ptrc.org](mailto:jday@ptrc.org); [dstoogenke@rockyriverpo.org](mailto:dstoogenke@rockyriverpo.org); [rose@regiona.org](mailto:rose@regiona.org); [mday@tjcog.org](mailto:mday@tjcog.org); [kelly.larkins@wpcog.org](mailto:kelly.larkins@wpcog.org); [jsalmons@ucprpo.org](mailto:jsalmons@ucprpo.org)  
**Cc:** [Wasserman, David S](#); [Lee, Sarah E](#); [Holder, Michael L](#); [Pullium, Susan W](#)  
**Subject:** P4.0 MPO/RPO Local Input Methodologies and Point Transfers  
**Date:** Tuesday, June 02, 2015 8:09:45 AM

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This e-mail is being sent to the Department's key contacts in each MPO/RPO associated with the P4.0 Strategic Prioritization Process. The purpose of the e-mail is to follow-up on a request by the P4.0 Workgroup to remind each of you of a couple of key upcoming items.

### **MPO/RPO Local Input Methodologies.**

The Department will follow a process similar to P3.0 approvals in that we request each MPO and RPO to submit their local input methodology to the Department for approval. As you know Session Law 2012-84 requires the Department to approve the MPO and RPO local input methodologies. If you are NOT making any changes to your methodology, simply email me to let me know and a resubmission of your methodology is not needed. Otherwise, please be guided by the following:

- Describe the MPO/RPO ranking process for all modes of transportation that identifies at least one quantitative and one qualitative criteria to be used in the scoring process. These criteria should be understandable to the public. In other words, the measures and the percentages assigned to each measure should be defined, described, and outlined in such a way that the public can follow how project points will be assigned.
- Describe how your organization intends to engage and solicit public input on your methodology: i.e., the rationale behind the preliminary assignment of points; posting of this approach on a public website; holding a public hearing to receive comments on the preliminary assignment; and/or how your organization followed its public input policies to adhere to this requirement. At least one public review period and public meeting/hearing should be included in the process. This review period needs to allow sufficient time for consideration of any public comments prior to the TCC/TAC making the final point assignment.
- Describe how your Technical Coordinating and Transportation Advisory Committees (TCC/TAC) will consider the input of public comments on the preliminary assignment of points as they develop and ultimately approve the final point assignment.
- Describe how the final local point assignment (approved by your TAC) will be disseminated and shared with the public.
- The methodology needs to be approved by the TAC.

The Department will have an internal review committee to provide conditional approval of any revised MPO or RPO local input methodology. If you recall, conditional approval means the committee considers the methodology to satisfy the above and you can proceed forward. The Department will then issue final approval pending any public and TAC input on the MPO or RPO methodology. SPOT has agreed to allow one MPO and one RPO representative on this internal group as advisory members.

The Chief Engineer will also have an advisory representative on the committee. This committee will then have the opportunity to review and comment on the Division Engineers' local input methodologies. The Chief Engineer will approve the Division Engineer's methodologies. I have cc'd the Chief Engineer on this e-mail as I know they are working on updating their local input methodologies.

**The deadline for having your methodology conditionally approved is April 1, 2016 since that is the opening of the window for local input points for the Regional Impact projects.** If no acceptable methodology is in place at that time, no local input points can be accepted.

#### **Point Transfers During Local Input Periods**

Again, similar to the P3.0 process, point transfers between MPOs and RPOs, or between Division Engineers will be permitted with the condition that all parties must agree to transfer points and the receiving party agrees to accept the points as designated by the initiating party. A simple e-mail from key staff to SPOT indicating the desire to transfer points starts the process. SPOT will then reply to all parties asking for concurrence. Providing concurrence is achieved, SPOT will then adjust the local input points in SPOT Online accordingly.

Please let David Wasserman (919) 707-4743, Sarah Lee (919) 707-4742, or myself know if you have any questions. Look forward to hearing from each of you.

Thanks,  
Don Voelker  
Director, Strategic Prioritization Office of Transportation  
North Carolina Department of Transportation  
Raleigh, NC  
(919) 707-4740





## WILMINGTON URBAN AREA Metropolitan Planning Organization

P.O. Box 1810  
Wilmington, North Carolina 28402  
910.342.2781 910.341.7801 FAX

### MEMORANDUM

**TO:** TAC Members

**FROM:** Mike Kozlosky, Executive Director

**DATE:** January 23, 2014

**SUBJECT:** **Wilmington MPO Local Input Methodology Process**

#### Members:

City of  
WILMINGTON  
Lead Planning Agency

Town of  
CAROLINA BEACH

Town of  
KURE BEACH

Town of  
WRIGHTSVILLE BEACH

NEW HANOVER  
County

Town of  
BELVILLE

Town of  
LELAND

Town of  
NAVASSA

BRUNSWICK  
County

PENDER  
County

CAPE FEAR  
Public Transportation  
Authority

North Carolina  
BOARD OF  
TRANSPORTATION

The Strategic Transportation Investments is a new formula to determine how the North Carolina Department of Transportation (NCDOT), in partnership with local governments, will fund and prioritize transportation projects in the state of North Carolina. Under this new formula, all modes will compete for the same funding. This means that roadway projects will compete with ferry projects which will compete with public transportation projects, etc. The Strategic Transportation Investments places projects into three categories: Statewide, Regional and Division levels. Metropolitan Planning Organizations (MPOs), Rural Planning Organizations (RPOs) and Division Engineers will assign local input points to projects in the Regional and Division levels. MPOs and RPOs are required to develop methodology for the assignment of local input points and NCDOT must approve this methodology.

The following methodology has been developed by the Wilmington MPO for the purposes of determining transportation funding priorities for Prioritization 3.0. This methodology is intended to ensure a process that is both data-driven and responsive to local needs. The methodology has been developed to meet the requirements of Session Law 2012-84 (Senate Bill 890), which requires that MPOs and RPOs have a process including both quantitative and qualitative elements for determining project prioritization.

The MPO's participation in the Strategic Transportation Investments consists of the following steps: (1) selection of projects for consideration in the Statewide, Regional and Division levels; (2) quantitative scoring of submitted projects by SPOT; (3) develop draft qualitative scoring of projects and ranking; (4) public involvement process and (5) finalize project scoring and ranking.

Each of the three categories identified under the new Strategic Transportation Investments have their own criteria:

#### Statewide Level

- Projects of statewide significance will receive 40% of the available revenue
- The project selection process will be 100% data-driven/quantitative scoring

**Regional Level**

- Projects of regional significance will receive 30% of the available revenue based on regional population. Projects on this level compete within specific regions made up of two NCDOT Divisions. The Wilmington MPO is located in Region B.
- Data/ quantitative scoring will comprise 70% of the decision-making process and local rankings will comprise of the remaining 30%

**Division Level**

- Projects that address local concerns such as safety, congestion and connectivity will receive 30% of the available revenue shared equally over NCDOT's 14 Transportation Divisions. The Wilmington MPO is located in NCDOT Division 3.
- The department will choose projects based 50% on data and 50% on local rankings.

The Strategic Prioritization Office of Transportation "SPOT" will be developing quantitative scores for all projects based on the adopted methodology. Default criteria were recommended by the Prioritization 3.0 work group and agreed to by NCDOT to quantitatively score projects across all modes. However, the MPOs, RPOs and the NCDOT's Division Engineers were given flexibility to develop their own highway criteria and formulas for the quantitative evaluation and project scoring in the Regional Projects and Division Projects. SPOT required that any deviation from the adopted criteria had to be unanimously approved by each MPO and RPO in the region and/or division by July 1, 2013. A revised set of criteria was approved unanimously by the members of Region B and Division 3. Below please find these revised criteria:

**Regional Projects Evaluation Criteria:**

Multi-modal 25%  
Safety 25%  
Benefit-Cost- 20%  
Local Input- 30%

**Division Projects Evaluation Criteria**

Safety 20%  
Congestion 20%  
Multi-modal 10%  
Local Input- 50%

The aforementioned percentages and weights are used for the roadway mode only and all non-roadway projects will utilize the same criteria statewide.

**Wilmington MPO Local Input Methodology Process**

While developing the adopted Cape Fear Commutes 2035 Long Range Transportation Plan, the Wilmington MPO's TAC adopted a prioritization process for evaluating projects identified in the plan. Projects were evaluated and scored based on their performance on different evaluating criteria. *Roadway projects* had different evaluating criteria based on the type of problem they addressed (congestion mitigation, quality of life, and safety). The *Congestion Management projects* were evaluated based on specific factors that included Efficient, Safe, Multi-modal, Appropriate, Integrated and Responsible factors. The *Quality of Life projects* were scored based on the average daily traffic (ADT), an ugly factor, existing or planned transit service, gateway to the region, identified in an adopted plan and if the project was within an incorporated municipality. *Safety projects* were scored based on the crash rate from 2005-2009. The prioritization process for the Cape Fear Commutes 2035 Transportation Plan was used as a



starting point for guiding the developed of the Wilmington MPO's local methodology for Prioritization 3.0.

The MPO has developed an objective, matrix-based prioritization process for the review of projects submitted to SPOT for consideration in Prioritization 3.0. The MPO proposes to utilize a Local Preference, SPOT Scoring, Consistency with Plans and Status of the Project in the Development as evaluating criteria in assigning these local input points. The WMPO will use the quantitative scores from the SPOT office as part of the prioritization process as well as to guide the TAC in the assignment of local preference points.

**Local Preference-** The Local Preference is the priority of the project as ranked by the TCC and TAC. The TAC will review and approve a final prioritized list of projects for submission to SPOT assigned by level. These projects will be grouped into High, Medium and Low categories based on approval by the TAC. There are approximately 100 projects to be considered during the evaluation process. A matrix will be used to develop the draft Local Preference points. Below please find an example of this matrix:

		Reduces Mean Travel Time	Reduces Conflict Points	Includes Multi-modal Accommodations	Adopted Local Support	Prioritization 2.0 Points	Total
		Data	(Yes/No)	(Yes/No)	(Yes/No)	Points	Points
Project X							

\*Yes= 100 points

\*No = 0 points

**Reduce Mean Travel Time-** is the output data from SPOT's congestion score for each project.

**Reduces Conflict Points-** the project reduces the number of conflict points or implements access management strategies. This information will be derived from the TAC's adopted Problem Statement for the project and/or adopted Long Range Transportation Plan.

**Includes Multi-modal Accommodations-** the project also includes a bicycle, pedestrian or public transportation component. This information will be derived from the TAC's adopted Problem Statement for the project and/or adopted Long Range Transportation Plan.

**Adopted Local Support-** the local municipality and/or county has adopted a resolution supporting the project. The resolution should specify facts / figures which justify the need for the project.

**Prioritization 2.0 Points-** the amount of local input points the project received during the Prioritization 2.0

The High priority projects will be the Top 20 projects as prioritized by the TAC, the Medium priority projects will be projects 21-50 and the Low priority projects will be projects 51 through the remainder of the list. Each project will be evaluated on a sliding scale.

- High priority projects receiving- 50 points
- Medium priority projects receiving- 30 points
- Low priority projects receiving- 10 points

**SPOT 3.0 Score-** The SPOT 3.0 score is the score provided by SPOT for each project. Each project will be scored by the MPO on a sliding scale from 20 to 1 based on the SPOT score.

**Consistency with Plans-** This criterion is used to determine if the proposed project is in an adopted plan. Each project will be evaluated on a sliding scale with the points assigned as follows:

- Projects included in the adopted Long Range Transportation Plan- 20 points
- Projects included in Plans adopted by the MPO- 10 points
- Projects that are adopted in plans by the member jurisdictions but not adopted by the MPO- 5 points

**Status of the Project in Development-** This criterion will identify which phase the project is in the development of the project. Each project will be evaluated on a sliding scale with the criteria as outlined below:

- Projects that are in the right-of way acquisition or property already acquired by the State of North Carolina- 10 points
- Projects that are in the Design phase- 5 points
- Projects that are in the Planning phase- 3 points

Under this new formula, all modes will compete against each other for funding. Evaluation criteria needed to be developed for roadway, public transportation, aviation, ferry, rail, bicycle and pedestrian projects. Wilmington MPO staff recommends the following criteria and percentages for the evaluation of projects at the Regional and Division levels in Prioritization 3.0: These proposed criteria will be utilized across all modes of transportation with each project able to achieve up to 100 points per each subcriteria in an effort to normalize the project rankings and scores.

**Roadway Projects (100 points)**

Local Preference (50%)

SPOT Score (20%)

Consistency with Plans (20%)

Status of the Project in Development (10%)

**Bicycle and Pedestrian Projects (100 points)**



Local Preference (50%)  
 SPOT Score (20%)  
 Consistency with Plans (20%)  
 Status of the Project in Development (10%)

**Public Transportation (100 points)**

Local Preference (50%)  
 SPOT Score (20%)  
 Consistency with Plans (20%)  
 Status of the Project in Development (10%)

**Aviation Projects (100 points)**

Local Preference (50%)  
 SPOT Score (20%)  
 Consistency with Plans (20%)  
 Status of the Project in Development (10%)

**Ferry Projects (100 points)**

Local Preference (50%)  
 SPOT Score (20%)  
 Consistency with Plans (20%)  
 Status of the Project in Development (10%)

**Rail Projects (100 points)**

Local Preference (50%)  
 SPOT Score (20%)  
 Consistency with Plans (20%)  
 Status of the Project in Development (10%)

Each MPO, RPO and NCDOT Division Engineer is allowed to assign local input points that will be used by NCDOT in ranking and scoring each project. The Wilmington MPO will be able to assign up to 1,500 local input points for each (**1500 for Regional Impact and 1500 for Division Needs categories**). The maximum number of points that can be assigned to a project is 100 points. The assignment of local input points will be based on a mathematical sum of the points assigned during the Local Input Methodology Process.

Example:

Project: Project X

Local Preference- Project scores in the Top 20=	50 points
SPOT Score Translated=	20 points
Project Consistency with Plans- Project is in LRTP=	20 points
Status of Project in Development- Project right of way acquisition is complete=	<u>10 points</u>
Total	100 points

The top scoring projects will receive the highest number of points from the Wilmington MPO. The Local Input Methodology shall serve as a guide for the TAC to assign points to projects located within the Wilmington MPO's planning jurisdiction and the TAC will have the flexibility to assign points as the Committee desires. However deviation from the Local Input Methodology shall require the

justification/rationale to be made during a public meeting of the TAC as advertised by the open meetings laws and included with the sharing of the points with the public through the public outreach effort.

The Wilmington MPO's TCC and TAC will develop a "draft" project ranking and scoring to assign points based on the aforementioned criteria. The Wilmington MPO will then conduct a public outreach effort. Following the public outreach effort, the MPO will review with the TCC and TAC any comments received during the public participation process. No additional projects will be submitted based on the public participation effort. The TAC will then adopt a Final Project Ranking and Scoring for the Wilmington MPO. This information will then be submitted to the SPOT office.

### **Public Involvement Process**

The Wilmington MPO adopted the most recent Public Involvement Policy on September 9, 2009. The Public Involvement Policy is an umbrella policy encompassing the plans and programs of the Wilmington MPO's transportation planning process. This policy serves as an integral part of the MPO's planning efforts. The Wilmington MPO will utilize this adopted policy to solicit comments on the "draft" Project Ranking and Scoring. These outreach efforts will include regular public input opportunities at TAC meetings, the draft project ranking and scoring will also be posted on the MPO's website and the MPO will solicit public comments. Following the closing of the public participation process, staff will review any comments received with the TCC and TAC. All public comments received and all final point assignments and any justification/rationale for point assignment which deviates from this Local Methodology will be placed on the Wilmington MPO's website at [www.wmpo.org](http://www.wmpo.org).

### **Prioritization Process Timeline: 2013-2014**

- |  |               |
|--|---------------|
| • TAC Approves all projects for submittal          | December 2013 |
| • TAC Reviews "DRAFT" Local Input Methodology      | January 2014  |
| • Submit Projects to NCDOT                         | February 2014 |
| • TAC Adopts Local Input Methodology               | February 2014 |
| • NCDOT Scores for New and Existing Projects       | May 2014      |
| • TAC Approves "DRAFT" Project Ranking and Scoring | May 2014      |
| • Conduct MPO Public Input Process                 | May 2014      |
| • TAC Approves Final Project Ranking and Scoring   | June 2014     |
| • Submit Scored Projects to NCDOT                  | July 2014     |



Regional Impact Standard Ranking – Criteria and Weights					
(Note: Choose minimum of four criteria and determine percent weights; total points for any given project cannot exceed 100)					
Criteria	0 Points				
Existing Congestion (% weight)	Volume to capacity less than 0.5	Volume to capacity between 0.51 and 0.75	Volume to capacity between 0.76 and 0.9	Volume to capacity between 0.91 and 1.0	Volume to Capacity over 1.0
Safety Score (% weight)	SPOT safety points less than 30	SPOT safety points between 31-50	SPOT safety points between 51-65	SPOT safety points greater than 66	
Cost Effectiveness (% weight)	Cost per Vehicle/equivalent greater than \$1500 per mile	Cost per Vehicle/equivalent between \$1000-\$1500 per mile	Cost per Vehicle/equivalent between \$500-\$999 per mile	Cost per Vehicle/equivalent less than \$499 per Mile	
Freight Volume (% weight)	Less than 500 trucks/equivalent per day	Between 500-1000 trucks/equivalent per day	More than 1000 trucks/equivalent per day		
Transportation Plan Consistency (% weight)	Project is not in CTP of TP	Project is in CTP or TP			
Corridor Continuity (% weight)	Project does not complete of continue corridor improvement	Project does continue corridor improvement			
Multimodal Accommodations (% weight)	Project does not include ped/bike/transit facilities	Project does include ped/bike/transit facilities			
Project Feasibility (% weight)	Significant ROW, EJ or environmental concerns	Minimal ROW, EJ or environmental concerns			
Public Support (% weight)	Minimal public support	Strong public support			
Serves Activity Center (% weight)	Serves employment centers of fewer than 500 employees, trauma centers, institutions of higher learning, or tourist centers	Project adds new capacity to serve employment centers of 500 to 1500 employees, trauma centers, institutions of higher learning	Project adds significant new capacity to serve employee centers with more than 1500 employees, trauma		

		or tourist centers	centers, institutions of higher learning or tourist centers		
<b>Shoulder Width (% weight)</b>	Project does not widen shoulder	Project widens shoulder to 50% > of DOT standard	Project widens shoulder to DOT standard		
<b>Lane Width (% weight)</b>	Project does not increase lane width	Project widens lane width to DOT standard			
<b>Airport Passenger Service (% weight)</b>	Project does not increase capacity	Project increases capacity			
<b>Airport Safety (% weight)</b>	Does not improve airport safety	Does improve airport safety			
<b>Transit Expansion (% weight)</b>	No service expansion	Expands service			

### Division Needs Ranking:

Certain highway, aviation, bicycle and pedestrian, ferry, transit, and rail projects are scored at the division needs level, as well as any projects that cascade into the division needs category from the regional impact category. Each Division Engineer will use the criteria and weighting below to generate a score for each project and a ranking of all projects in the division needs category.

Below is a standard ranking of criteria eligible for use by each Division Engineer in evaluating projects in the division needs category. Each Division Engineer will determine the combination of criteria (minimum of four) and criteria weights that best reflect the needs and priorities of their respective area. The resulting scores and rank order will be used by the Division Engineer in developing preliminary and final local input point assignments for projects within their division and/or to projects in adjacent divisions. The Department's quantitative scores for projects and this ranking process will act as a guide and first step in determining a preliminary rank-ordered list of projects. Each Division Engineer will use the preliminary rank-ordered list of projects along with local knowledge as well as information gathered through collaboration and consultation with MPOs, RPOs, local airport, rail and transit operators and input from other interested stakeholders to determine the actual assignment of qualitative points.



Division Needs Standard Ranking – Criteria and Weights					
(Note: Choose minimum of four criteria and determine percent weights; total points for any given project cannot exceed 100)					
Criteria	0 Points				
<b>Existing Congestion</b>  (% weight)	Volume to capacity less than 0.5 (roads and rail), existing facilities available (other modes)	Volume to capacity between 0.51 and 0.75 (roads and rail), intermittent or incomplete facilities/transit available (other modes)	Volume to capacity over 0.75 (roads and rail), no facilities/transit available (other modes)		
<b>Safety Score</b>  (% weight)	Spot safety points less than 30	Spot safety points between 31 and 50	Spot safety points between 51 and 65	Spot safety points between 66 and 80	Spot safety points greater than 80
<b>Cost-Effectiveness</b>  (% weight)	Cost per daily user greater than \$4,000 per user per unit per mile	Cost per daily user between \$2,000-\$4,000 per user per unit per mile	Cost per daily user between \$1,500-\$1,999 per user per unit per mile	Cost per daily user between \$1,000-\$1,499 per user per unit per mile	Cost per daily user less than \$999 per user per unit per mile
<b>Transportation Plan Consistency</b>  (% weight)	Project is not in adopted land use, transportation, transit or other plan	Project is in an adopted land use, transportation, transit or other plan			
<b>Multimodal Accommodations</b>  (% weight)	Project does not include bike/ped/transit facilities	Project includes bike/ped/transit facilities			
<b>Project Feasibility</b>  (% weight)	Significant ROW, EJ or environmental concerns	Minimal ROW, EJ or environmental concerns			
<b>Public Support</b>  (% weight)	Minimal Public Support	Strong Public Support			
<b>Serves Activity Center</b>  (% weight)	Serves employment centers of fewer than 500 employees, trauma centers, institutions of higher learning, or	Project adds new capacity to serve employment centers of 500 to 1500 employees, trauma centers, institutions of	Project adds significant new capacity to serve employee centers with more than 1500 employees, trauma		

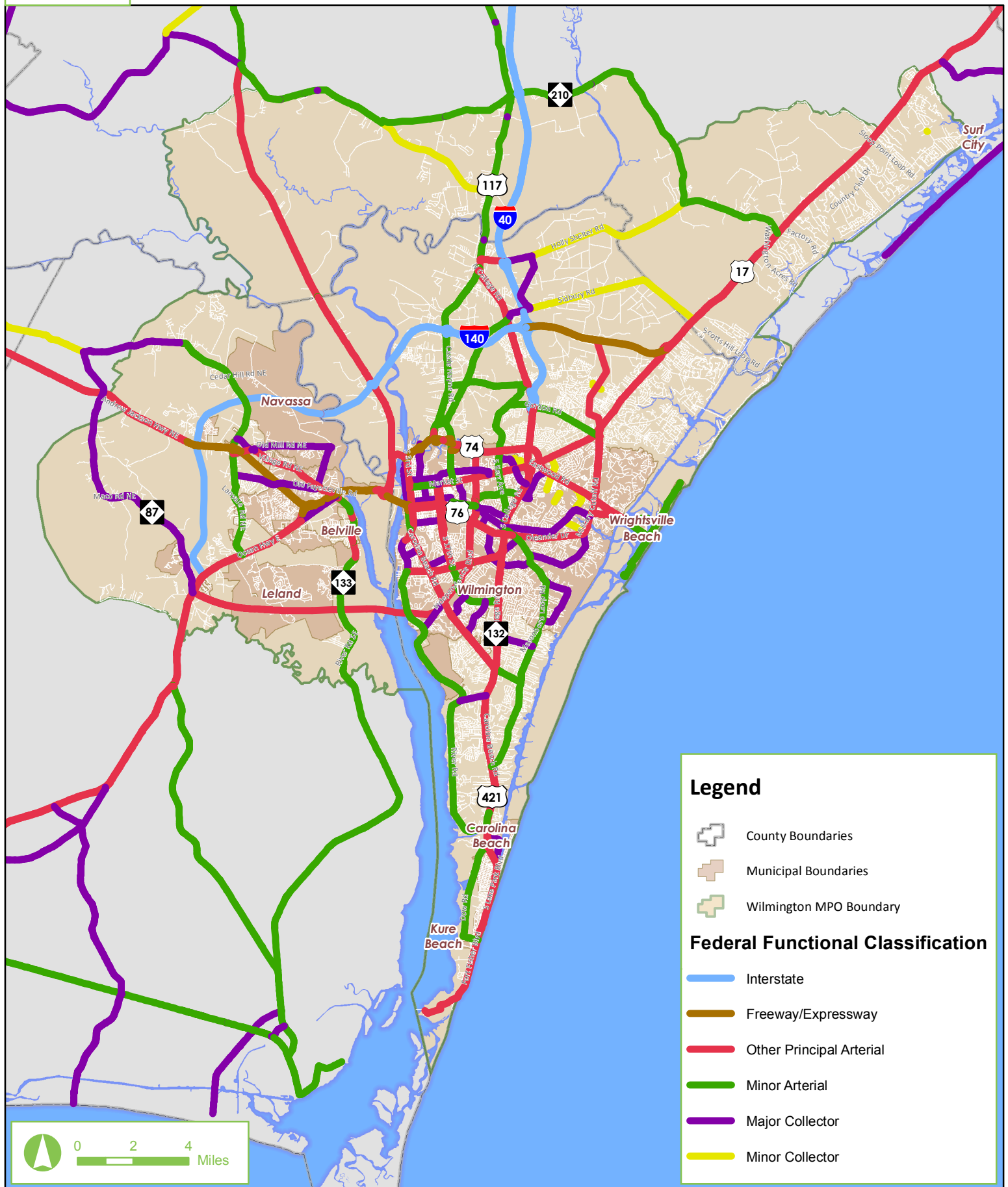
	tourist centers	higher learning or tourist centers	centers, institutions of higher learning or tourist centers		
<b>Shoulder Width</b> <b>(% weight)</b>	Project does not widen shoulder	Project widens shoulder to 50%> of DOT standard	Project widens shoulder to DOT standard		
<b>Lane Width</b> <b>(% weight)</b>	Project does not increase lane width	Project widens lane width to DOT standard			
<b>Airport Passenger Service</b> <b>(% weight)</b>	Project does not increase capacity	Project increases capacity			
<b>Airport Safety</b> <b>(% weight)</b>	Does not improve airport safety	Does improve airport safety			
<b>Transit Expansion</b> <b>(% weight)</b>	No service expansion	Expands service			






# Federal Functional Classification - MAP DRAFT

Approval Date: 11/19/2014


Note: Information on this map provided by NCDOT



## Legend

-  County Boundaries
-  Municipal Boundaries
-  Wilmington MPO Boundary

## Federal Functional Classification

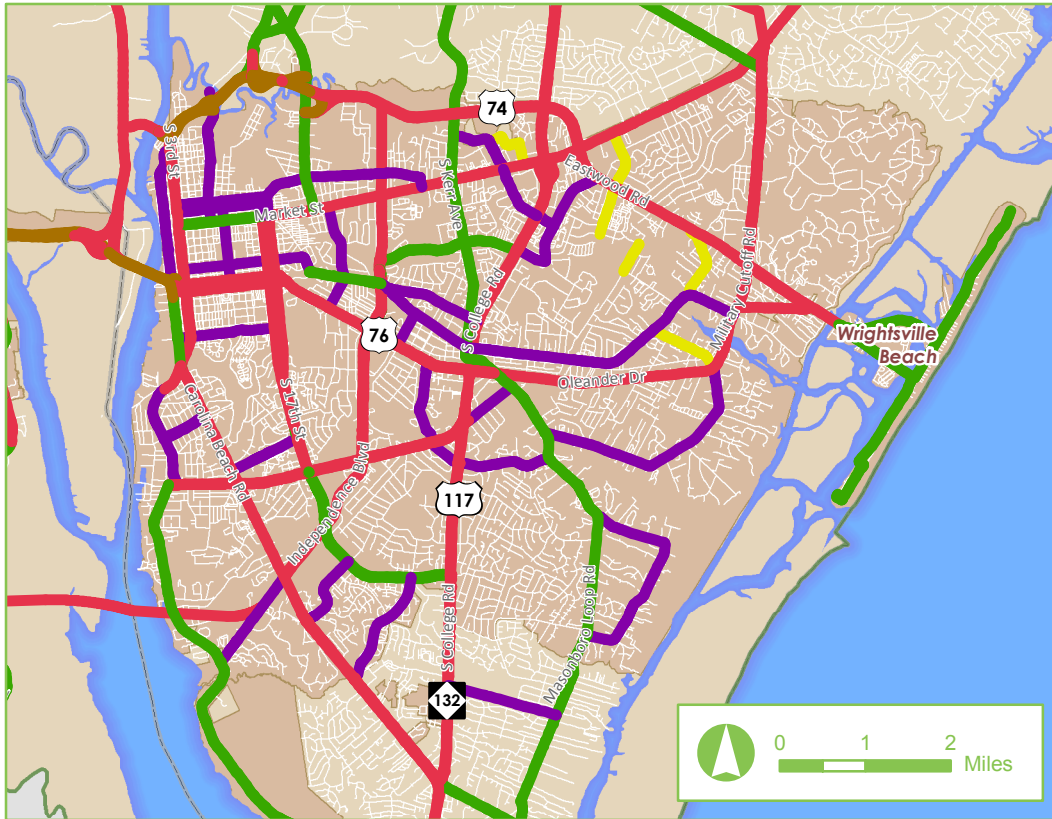
-  Interstate
-  Freeway/Expressway
-  Other Principal Arterial
-  Minor Arterial
-  Major Collector
-  Minor Collector



# Federal Functional Classification Insets

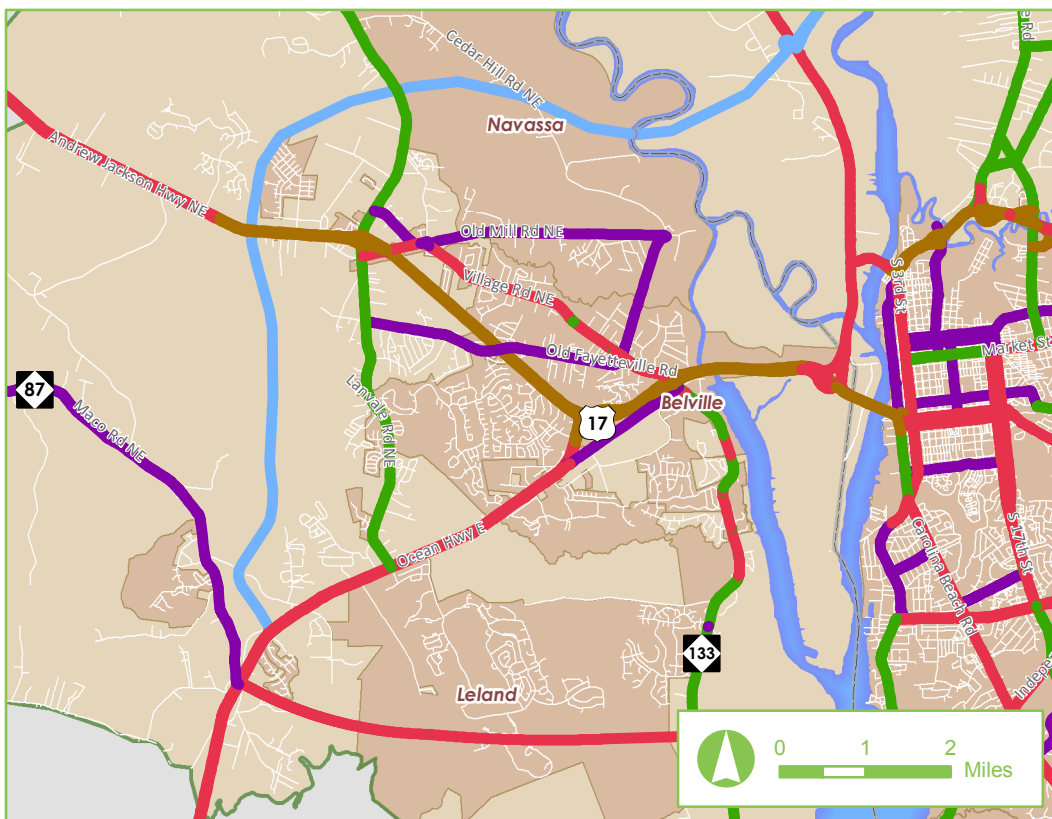
Approval Date: 11/19/2014

Note: Information on this map provided by NCDOT



## Wilmington

- Interstate
- Freeway/Expressway
- Other Principal Arterial
- Minor Arterial
- Major Collector
- Minor Collector
- County Boundaries
- Municipal Boundaries
- Wilmington MPO Boundary



## Leland, Belville, & Navassa

- Interstate
- Freeway/Expressway
- Other Principal Arterial
- Minor Arterial
- Major Collector
- Minor Collector
- County Boundaries
- Municipal Boundaries
- Wilmington MPO Boundary



**May 2015 Comments on October 2013 Proposed Changes to WMPO Functional Classification System**

Facility	From	To	Change	Reason
Wilmington Bypass	US 421	US 74/76	Change to Dashed Interstate	New Construction
Wilmington Bypass	US 74/76	US 17	Change to Solid Interstate	New Construction
NC 133 (River Rd)	Leland	Southern Planning Bndry	Change to Principal Arterial	Provides intercounty service lots of new development
Grandiflora Dr	Lanvale Rd	US 17	Change to Minor Collector	connectivity
Lincoln Rd	Mt. Misery Rd	Old Mill Rd	Change to Minor Collector	connectivity
Dow Rd	US 421	US 421	Change to Minor Arterial	it serves trip lengths and travel density greater than collectors
Beasley Rd	Pine Grove Rd	Masonboro Sound Rd	Add new Minor Collector	land use
Pine Valley Dr	Robert E Lee Dr	Amber Dr	Add new Minor Collector	land use
Eagles Nest Dr	Amber Dr	Beasley Rd	Add new Minor Collector	land use
John D Berry Dr	17 th St	Robert E Lee Dr	Add new Minor Collector	land use
Robert E Lee Dr	John D Berry Dr	Pine Valley Dr	Add new Minor Collector	land use
Greenville Ave	Oleander Dr	Wrightsville Ave	Add new Minor Collector	connectivity
Rogersville Rd	Wrightsville Ave	Eastwood Rd	Add new Minor Collector	Connects Principal Arterial to Major Collector
Hooker Rd	Wrightsville Ave	Rose Ave/ Mallard St	Add new Minor Collector	connectivity
Rose Ave	Wrightsville Ave	Cahill Dr / Hooker Rd	Add new Minor Collector	connectivity
Mallard Dr	Cahill Dr / Hooker Rd	Clear Run Dr	Add new Minor Collector	connectivity
Clear Run Dr	Cardinal Dr	Mallard Dr	Add new Minor Collector	connectivity
Lennon Dr	Market St	Hunters Trl	Add new Minor Collector	connectivity
Hunters Trl	College Rd	New Center Dr	Add new Minor Collector	connectivity
Independence Blvd	River Rd	US 412 Carolina Beach Rd	Change to Minor Arterial	land use

**May 2015 Comments on October 2013 Proposed Changes to WMPO Functional Classification System**

Facility	From	To	Change	Reason
S Cardinal Dr	Clear Run Dr	Eastwood Rd	Add new Minor Collector	connectivity
N Cardinal Dr	Eastwood Rd	Market St	Add new Minor Collector	connectivity
Independence Blvd	US 412 (Carolina Beach Rd)	Randall Parkway	Change to Principal Arterial	development on 17 St, Shipyard Blvd, recent widening of Randall Pkwy
Walmoor Rd	S College	Sutton Dr	Change to Minor Arterial	connectivity
N Lumina Ave	W Salisbury St	Causeway Dr	Change to Minor Arterial	connectivity
16th St & 17 the St	Shipyard Blvd	Dawson St	Change to Principal Arterial	land use, medical center, connects principal arterial to principal arterial
Fordham Rd	Canterbury Rd	Oleander Dr	Add new Minor Collector	connectivity
Canterbury Rd	Independence Blvd	Fordham Rd	Add new Minor Collector	connectivity
New Center Dr	Kerr Ave	Market St	Add new Minor Collector	connectivity
Kerr Ave	College Rd	Martin Luther King Pkwy	Change to Principal Arterial	Connects two Principal Arterials
Willshire Blvd	Wrightsville Ave	College Rd NC 132	Change to Major Collector	Access and Traffic circulation
Martin Luther King Pkwy	N 23rd St	Isabel Holmes Bridge	Change to Freeway/Expressway	Full control of access facility
Middle Sound Loop Rd	US 17	Sound Loop Rd	Add new Major Collector	connectivity to school residential development
Middle Sound Loop Rd	Darden Rd	Darden Rd	Add new Minor Collector	connectivity
Covil Farm Rd	Military Cutoff Rd	Red Cedar Rd	Add new Minor Collector	connectivity
Red Cedar	Covil Farm Rd	Middle Sound Loop Rd	Add new Minor Collector	connectivity
Darden Rd	Middle Sound Loop Rd	Wendover Ln	Add new Minor Collector	connectivity
Wendover Ln	US 17	Darden Rd	Add new Minor Collector	connectivity
Porter's Neck Rd	US 17	Edgewater Club Rd	Add new Major Collector	connectivity
Porter's Neck Rd	Edgewater Club Rd	Bald Eagle Ln	Add new Minor Collector	connectivity
Edgewater Club Rd	Porter's Neck Rd	Avenel Dr	Add new Minor Collector	connectivity
White Rd	Gordon Rd	Courtney Pines Rd	Add new Minor Collector	connectivity
Courtney Pines Rd	White Rd	Torchwood Blvd	Add new Minor Collector	connectivity
Torchwood Blvd	Courtney Pines Rd	Market St/US 17	Add new Minor Collector	connectivity
Bayshore	Market St/US 17	Shorepoint Dr	Add new Minor Collector	connectivity
Station Rd	Market St/US 18	Military Cutoff	Change to Major Collector	Connects two Principal Arterials
Gordon Rd	College Rd	Market St	Change to Principal Arterial	Growth in area



**May 2015 Comments on October 2013 Proposed Changes to WMPO Functional Classification System**

Facility	From	To	Change	Reason
Station Rd	Market St/US 18	Military Cutoff	Change to Major Collector	connectivity
Harris Rd	Gordon Rd	Shenandoah St	Change to Minor Collector	connectivity
Shenandoah St	Harris Rd	Creek Ridge Rd	Change to Minor Collector	connectivity
Creek Ridge Rd	Shenandoah St	Brittany Rd	Change to Minor Collector	connectivity
Brittany Rd	Creek Ridge Rd	Murrayville Rd	Change to Minor Collector	connectivity
Lendire Rd	US 17/Market St	Beacon Dr	Change to Minor Collector	connectivity
US 117	Cape Fear River	Northern Planning Bndry	Change to Minor Arterial	Growth in this part of County
Sidbury Rd	Old Dairy Farm Rd	1 mile east of Dairy Farm Rd	Change to Minor Collector	error
Holly Shelter Rd	Blue Clay Rd	0.5 miles east of Blue Clay Rd	Change to Minor Collector	error
Murraysville Rd	College Rd	Retriever Ln	Add new Minor Collector	connectivity
Sloop Point Rd	US-17	US-17	Add new Minor Collector	development
Country Club Dr	US-17	Sloop Point Rd	Add new Major Collector	development
Hoover Rd	US-17	Trumpeter Rd	Change to Minor Collector	development
Factory Rd	US-17	Termination	Change to Minor Collector	development
Washington Acres Rd	US-18	Termination	Change to Minor Collector	development
Scott's Hill Loop Rd	US-19	Termination	Change to Minor Collector	development
Mallard Bay Dr	Country Club Dr	Termination	Change to Minor Collector	development
Kings Landing Rd	Country Club Dr	Olde Point Rd	Change to Minor Collector	development
Old Pointe Rd	Country Club Dr	Kings Landing Rd	Change to Minor Collector	development
Grandview Dr	US-17	Termination	Change to Minor Collector	development
Shenandoah St	Harris Rd	Creek Ridge Rd	Change to Minor Collector	connectivity

**May 2015 Comments on October 2013 Proposed Changes to WMPO Functional Classification System**

Facility	From	To	Change	Reason
Creek Ridge Rd	Shenandoah St	Brittany Rd	Change to Minor Collector	connectivity
Brittany Rd	Creek Ridge Rd	Murrayville Rd	Change to Minor Collector	connectivity
US 421	I-140	Northern Planning Bndry	Change to Principal Arterial	Connects 1-140 to NC 210 a Minor Arterial





STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION


PAT MCCRORY  
GOVERNOR

ANTHONY J. TATA  
SECRETARY

June 23, 2015

**MEMORANDUM**

**To:** Suraiya Rashid  
Wilmington MPO

**From:** Terry Arellano   
Systems Planning Group

**Subject:** Federal Function Classification

Please see the attached information that should provide an explanation of the purpose of the Federal functional classification system and how it is used, along with some ways in which it should not be used, per your request.

Attachment

cc: Mike Kozlosky, Wilmington MPO  
James, Upchurch, NCDOT Transportation Planning Branch  
Adam Snipes, NCDOT Transportation Planning Branch  
Rockne Bryant, NCDOT Transportation Planning Branch

## More on Federal Functional Classification Systems...

### Refresher of Information Presented to Wilmington MPO, March 2015

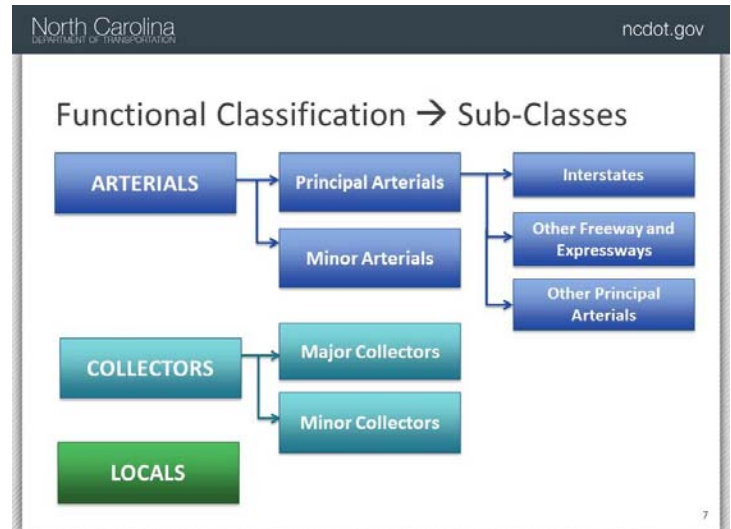
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DEPARTMENT OF TRANSPORTATION

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### What Is Functional Classification?

It is a process that groups streets and highways into classes or systems according to the character of service they are intended to provide  
 (access and / or mobility)

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North Carolina  
DEPARTMENT OF TRANSPORTATION

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### How Is Functional Classification Used?

#### Primary Uses

- Determines Federal-aid system and eligibility for Federal funds** Federal legislation continues to use functional classification in determining eligibility for funding under the Federal-aid program.
- Data Needs and Reporting** Statistics derived from the Federal roadway databases are organized around functional classification. This data are used in a number of ways, including reporting on the condition of the nation's roadways to Congress and in other highway statistics reports and studies.
- Informs the design standard** Interstates are required to meet specific national design standards.

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### How Is Functional Classification Used?

#### Secondary Uses

- Program and Project Prioritization**
  - Prioritization of expenditures, including the Bridge Program
- Safety Programs**
  - Evaluating safety of roadways and implementing safety improvement programs
- Highway Design**
  - Great deal of design leeway relative to classification
  - Lower class roadways tend to have lower speed limits, narrower lanes, steeper curves, etc.
- Traffic control**
  - May help determine most appropriate intersection control measures
- Maintenance**
  - Often plays role in resurfacing cycles, which is related to asset management

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## ADDITIONAL INFORMATION

### How should Functional Classification be assigned?

FC should be assigned according to how the roadway is functioning in the current year.

- Use the current classification for roadways, even replacement roadways that will upgrade the roadway, until construction is complete.
- Reclassify the new roadway once it has been constructed.
- Future routes may be assigned functional class if they are funded in the first four years of the STIP

### Are there limitations on the extent of Functional Classification?

Reasonable ranges for each functional class within a state are determined by FHWA. The overall state system must fall within these ranges.



### How should Functional Classification NOT be used?

- While FC is a data input into systems planning, it should not be a determining factor in transportation planning decisions. This is because the FC is system limited (*there are FHWA-established caps on the extent of the FC system*) and is not needs-based (*FC only reflects current – not future – conditions*).
- FC should not be used for land development decisions. Specifically, a local area's zoning and/or subdivision regulations should not be tied to FC but to transportation plans.

### References to FC in local guidelines:

#### Example 1 – Pender County Development Code

##### 7.2.6 Lots on Thoroughfares

*Major or minor subdivisions shall not be approved that provide for individual residential lots to access Principal Arterial, Minor Arterial or Major Collector roads or streets as shown on the Coastal Pender Collector Street Plan, Pender County Transportation Plan or other approved State Transportation Improvement Plan.*

#### Example 2 – New Hanover County Development Code

##### 52.2-4: Dimensional Requirements

*(2) Minimum Front Yard - Fifty (50) feet along US and NC numbered highways and major thoroughfares as designated by the Wilmington Area Thoroughfare Plan. Thirty-five (35) feet along all other public highways or streets.*

*(4) Maximum Building Height - 40 feet; except that buildings located within the Urban Transition Area and fronting along a collector, Minor Arterial or Principal Arterial as indicated on the County's Thoroughfare Classification Plan, may exceed 40 feet provided their FAR does not exceed 1.0 (2/7/83) (10/5/95)*

#### Example 3 – New Hanover County Development Code

##### 72-20: Family Child Care Homes

*A family child care home may be permitted in any residential district subject to the dimensional requirements of the district and provided:*

*(2) No outside sign in excess of two (2) square feet in area shall be permitted, except when such facility is located on an existing collector or arterial facility as indicated on the New Hanover County Thoroughfare Classification Plan, in which case the maximum sign area shall be twelve (12) square feet.*

### Comments:

The underlined references are based on the classifications that used to be included in county thoroughfare plans. Since the revision to NC General Statute 136-66.2 in 2001, NCDOT no longer develops county long-range plans based on the FC system. Instead, CTPs are developed and identify a hierarchy of roadways based on access and mobility, but not tied to the Federal functional classification system. In addition, the statute establishes that local collector street plans should be drawn from the CTP.

### Recommendations:

- Update local guidelines to remove references to archaic planning documents and instead tie back to MTP, CTP or collector street plans.
- Ensure that collector street plans use the MTP or CTP as their basis, rather than functional class.



# Cape Fear Crossing

## STIP U-4738

### Brunswick and New Hanover Counties

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#### STATUS REPORT

#### CAPE FEAR CROSSING WORKGROUP

June 29, 2015

##### Project Description

Roadway extending from the vicinity of US 17 Bypass and I-140 in Brunswick County to US 421 in New Hanover County, including a crossing of the Cape Fear River.

##### Current Status

The following list includes completed and ongoing tasks during the month of June:

- The project team continues to coordinate and correspond with project stakeholders.
- Functional Design Plans for the 12 detailed study alternatives (DSAs) have been submitted to NCDOT for review.
- The draft Traffic Capacity Analysis Report was submitted to NCDOT for review on May 29, 2015.
- Hydraulic analysis of the DSAs is ongoing.
- The Historic Architecture Report has been accepted by NCDOT. The report has been sent to the North Carolina State Historic Preservation Office for review.
- Studies for the Traffic Noise Analysis and Air Quality Analysis are ongoing.
- Studies for the Community Impact Analysis are ongoing.
- The Draft Land Use Scenario Assessment was submitted to NCDOT on June 17, 2015.
- Additional natural resource surveys (wetland, streams, and protected species) are ongoing.
- It is anticipated that the next workgroup meeting will be held no later than September 2015.
- The Board of Transportation approved the 2016-2025 STIP at its June meeting. Federal approval is anticipated prior to October 1. The Cape Fear Crossing project is programmed in the new STIP for planning and environmental studies only.
- NCDOT is currently evaluating an additional alternative proposed by the WMPO. There are currently 12 alternatives being designed and evaluated for inclusion in the draft environmental document. If it is determined this alternative is feasible, studies may need to be redone to include this alternative.
- The WMPO TAC agreed on April 22, 2015 to support allocation of \$100,000 of STP-DA funds for completion of the environmental document.

##### Contact Information

NCDOT – Charles Cox, [ccox@ndcot.gov](mailto:ccox@ndcot.gov), 919.707.6016

AECOM – Joanna Rocco, [joanna.rocco@aecom.com](mailto:joanna.rocco@aecom.com), 919.461.1434

Website: <http://www.ncdot.gov/projects/capefear/>

Email: [capefear@ncdot.gov](mailto:capefear@ncdot.gov)

Hotline: 1.800.233.6315



**WILMINGTON MPO**  
**TRANSPORTATION PLANNING**  
**JULY 2015**

**CONGESTION MANAGEMENT PROCESS**

Project Description/Scope: Comply with a Federal mandate to create and adopt a process to evaluate the region's most congested corridors through locally-defined multi-modal performance measures in an effort to suggest improvements that would alleviate traffic congestion in the region. The CMP was adopted by the TAC on December 11, 2013. Data collection procedures have been developed. A schedule for collection logistics has been drafted and data collection will continuously be monitored and updated as needed.

**Next Steps:**

- Continue data collection and monitoring of congestion

**COLLEGE ROAD UPGRADES (U-5702), (U-5704) and (U-5792)**

**Project Description/Scope:** The Strategic Transportation Investments is a new formula to determine how the North Carolina Department of Transportation (NCDOT), in partnership with local governments, will fund and prioritize transportation projects in the state of North Carolina. The Strategic Transportation Investment Formula allocates funding at the statewide, regional and division tiers. Prioritization 3.0 was the process used to determine the projects that are to be funded in the State's Transportation Improvement Program (STIP). The adopted 2016-2025 State Transportation Improvement Program includes several projects on College Road.

U-5704: Construction of an interchange at College Road and Oleander Drive

U-5702: Construction of Access Management Improvements on College Road between Gordon Road and Carolina Beach Road. The Department has several spot safety and intersection improvements that are anticipated would be completed under this project. This project may also include median modifications, access management strategies, etc. to improve traffic flow and safety on College Road. Another project that may be funded in the Statewide Mobility Category is an Upgrade of College Road between New Centre Drive and Gordon Road to include an additional through lane and an interchange at College Road and the Martin Luther King Jr. Parkway.

U-5792: Convert at-grade intersection to interchange

**Next Steps:**

- Complete Planning, Environmental Review and Design for the projects

**METROPOLITAN TRANSPORTATION PLAN**

Project Description/Scope: Update the Federally-mandated Metropolitan Transportation Plan/Long-Range Transportation Plan for the Wilmington Urban Area Metropolitan Planning Organization. Project lists were created and ranked in December 2014 and finalized by the board in February 2015. Public outreach on the draft plan occurred in March and April 2015. The public comment period for the draft plan was open from April 1 through April 30 2015 and comments were received through 7 regional open houses, through the plan's website, and through an online comment form. In May and June of 2015 a list of recommended changes to the draft plan was developed after review of public comments by CAC and modal subcommittees.

**Next Steps:**

- Finalization of draft plan for adoption to occur in July 2015
- Adoption process to occur August 2015 to December 2015

**MILITARY CUTOFF ROAD/EASTWOOD ROAD (U-5710)**

**Project Descriptions/Scope:** The adopted 2016-2025 State Transportation Improvement Program identified funding to upgrade the intersection of Military Cutoff Road/Eastwood Road to an interchange. HDR has been selected by NCDOT to complete this work.

**Next Steps:**

- The Department desires to host a small group meeting(s) with adjacent property owners/HOAs in August. A public meeting will be held later this year.

**17<sup>TH</sup> STREET STREETScape**

**Project Descriptions/Scope:** The 17<sup>th</sup> Street streetscape project will include upgrades to 17<sup>th</sup> Street between Wrightsville Avenue and Princess Place Drive. The project will provide for a more efficient transportation system by reduced travel speeds, removal of the lateral shift, improved pedestrian crossings, improved safety and enhance the aesthetics of the area. The project may also include aesthetic improvements that will enhance the entryway into Carolina Heights and provide a pocket park. The City is awaiting final approval from NCDOT.

**Next Steps:**

- Receive Final Approval from NCDOT
- Bid, Award and Construct the streetscape enhancements

**Pender County Collector Street Plan**

The Wilmington MPO and Pender County have partnered to update the Coastal Pender County Collector Street Plan and to create a collector street plan for the area that was not previously part of the MPO. The project team has generated project milestone schedule.

**Next Steps:**

- Gather research and data and begin the process of assembling a steering committee in Pender County

**SITE DEVELOPMENT REVIEW**

**Project Descriptions/Scope:** The Wilmington MPO assists with site development and transportation impact analysis review for the MPO's member jurisdictions. During the last month, staff has reviewed the following development proposals:

- New Hanover County Development Plan Reviews: 4 reviews
- New Hanover County Informal Plan Reviews: 2 reviews
- New Hanover Concept Reviews: 0 reviews
- Town of Leland Formal Reviews: 0 reviews
- Town of Leland Informal Reviews: 0 reviews
- Town of Carolina Beach Formal Reviews: 2 reviews
- Town of Carolina Beach Informal Reviews: 1 reviews
- Brunswick County Formal Plan Reviews: 0 reviews



- Brunswick County Informal Plan Reviews: 0 reviews
- TIA Reviews: 25 total (New Hanover County 7, City of Wilmington 12, Carolina Beach 1, Brunswick County 2, Belville 1, and Pender County 3) new 5 and ongoing 20
- Pender County Development Plan Reviews: 4 reviews
- Pender County Informal Plan Reviews: 1 reviews
- Pender County Concept Reviews: 0 reviews
- City of Wilmington Formal Reviews: 18 (6 new, 12 on-going)
- City of Wilmington Informal Reviews: 19 ( 4 new, 15 on-going)
- City of Wilmington Concept Reviews: 4 new concept reviews- 2 on-going concept
- COW Project Releases: 4 Full releases

### **STP-DA/TAP-DA FY 2013 and 2014 Project Status**

#### **STP-DA**

#### **U-5534A - TOWN OF NAVASSA – MAIN STREET BICYCLE LANES**

**Project Descriptions/Scope:** This project will include planning, design, and construction of an additional 4 feet on either side of Main Street for bike lanes starting at the existing Navassa bike path east of Brooklyn Street to Old Mill Road. The Letter of Interest (LOI) has been advertised.

#### **Next Steps:**

- 100% Design anticipated July 2015
- Letting is anticipated in November 2015

#### **U-5534B - CITY OF WILMINGTON- HEIDI TRASK DRAWBRIDGE**

**Project Descriptions/Scope:** This project consists of construction of a public walkway/pier underneath the Heidi Trask Drawbridge to provide for a safe crossing for cyclists and pedestrians across US 74 (Wrightsville Avenue) on the mainland side of the drawbridge in Wilmington.

#### **Next Steps:**

- KHA working on final comments
- Letting date anticipated August 2015.

#### **U-5534C - WRIGHTSVILLE AVENUE/GREENVILLE AVENUE TO HINTON AVENUE**

**Project Descriptions/Scope:** The project is for construction of intersection re-alignment improvements at the intersection of Wrightsville Avenue/Greenville Avenue and bike lanes and sidewalks along Greenville Avenue from Wrightsville Avenue to Hinton Avenue.

#### **Next Steps:**

- Comments from PEDAs are being addressed
- ROW date anticipated July 2015
- Letting anticipated September 2015

#### **U-5534D - TOWN OF LELAND - OLD FAYETTEVILLE ROAD MUP**

**Project Descriptions/Scope:** This project is for design and construction of a ten foot (10') wide multi use path, separate but adjacent to Old Fayetteville Road, beginning at or around the corner of the Leland Town Hall Campus and ending at the driveway of the North Brunswick High School.

**Next Steps:**

- ROW documents anticipated September 2015
- Letting date is anticipated Jan 2016

**U-5534E - TOWN OF CAROLINA BEACH - ISLAND GREENWAY AND HARPER AVENUE**

**Project Descriptions/Scope:** This project is for the design and construction of an off-road multi-use path that begins at Mike Chappell Park and winds along the existing cleared fire path and terminates at Greenville Avenue and the Harper Avenue bike lanes will consist of a bicycle boulevard on existing pavement on each side of Harper Avenue from Dow Road to Lake Park Boulevard. The Town desires to combine the project with the awarded 2014 STP-DA project.

**Next Steps:**

- 100% design plan review anticipated in July 2015
- U-5534 E and U-5534 L – combined-Right of Way and Planning date of July 2015

**U-5534M - CAUSEWAY DRIVE, WAYNICK BLVD./N. LUMINA AVE./STONE ST.**

**Project Descriptions/Scope:** The construction of dual left turns from Waynick Blvd. to Causeway Dr., channelizing the one-way entrance to Lumina Ave. and improving lane markings, adjusting stop bar, straightening crosswalks at Waynick Blvd and installing bulb-outs at Lumina Ave./Stone St., and adding ADA compliant curb ramps at all crosswalks within the project area.

**Next Steps:**

- Project funds will be reallocated to the Coral Drive sidewalk project.
- Staff is awaiting NCDOT input on the next steps.

**U-5534H – HINTON AVE MULTI-USE PATH**

**Project Descriptions/Scope:** This project consists of the construction of a 10' wide multi-use path along Hinton Avenue from Park Avenue to Greenville Avenue.

**Next Steps:**

- NCDOT reviewing man hour estimates
- Survey to begin June 2015
- R/W Plans complete July 31, 2015
- Anticipated Let Date of January 26, 2016

**U-5534G –HOOKER ROAD MULTI-USE PATH**

**Project Descriptions/Scope:** The project consist of the construction of a 10' wide multi-use path along Hooker Road from Wrightsville Avenue to Mallard Drive/Rose Ave intersection

**Next Steps:**

- NCDOT reviewing man hour estimates
- Survey to begin June 2015
- Right of Way Plans anticipated to be complete: August 30, 2015
- Anticipated Let Date: September 17, 2016



**U-5534K –LELAND MIDDLE SCHOOL SIDEWALK**

**Project Descriptions/Scope:** The construction of 5 foot wide concrete sidewalk adjacent to Old Fayetteville Road from Ricefield Branch Rd to the Hwy 74/76 overpass after Glendale Drive with connections to Leland Middle School and the surrounding neighborhoods.

**Next Steps:**

- Right of Way Plans anticipated to be complete: September 25, 2015
- Anticipated Let Date: January 26, 2016

**U-5534J –OLD FAYETTEVILLE LOOP ROAD PEDESTRIAN LOOP**

**Project Descriptions/Scope:** The construction of 5 foot wide sidewalks in three locations: along Village Road from Town Hall Drive going southeast to the existing sidewalk in front of the apartment complex, along Town Hall Drive from Village Road NE to the sidewalk currently under construction by the new Town Hall, and along Old Fayetteville Road from the existing sidewalk in front of the apartment complex to Village Road NE

**Next Steps:**

- Right of Way Plans anticipated to be complete: September 25, 2015
- Let Date: January 26, 2016

**U-5534I –VILLAGE ROAD MULTI-USE PATH EXTENSION**

**Project Descriptions/Scope:** The construction of a 10 foot wide asphalt multi-use path routed across Perry Ave, behind the library, out to Village Road, down Village Road ending on the western edge of the First Baptist Church property before the Sturgeon Creek Bridge

**Next Steps:**

- Right of Way Plans anticipated to be complete: September 25, 2016
- Anticipated Let Date: January 26, 2016

**SHIPYARD BOULEVARD SIDEWALK-**

**Project Description/Scope:** The construction of a sidewalk and bus pull-out along Shipyard Boulevard between Vance Street and Rutledge Drive. This will be a partnership between the City of Wilmington, Cape Fear Public Transportation Authority and Wilmington MPO.

**Next Steps:**

- NCDOT reviewing man hour estimates
- Survey to design conceptual plans anticipated June 2015
- R/W plans anticipated August 2015

**TAP-DA****CITY OF WILMINGTON – MILITARY CUTOFF ROAD MULTI-USE PATH**

**Project Descriptions/Scope:** This project is for the design and construction of a 10-foot wide, asphalt multi-use path on Military Cutoff Road from Gordon Road to Eastwood Road.

**Next Steps:**

- NCDOT reviewing man hour estimates
- Survey to design conceptual plans anticipated June 2015

- R/W plans anticipated August 2015

#### **U-5527B CITY OF WILMINGTON – 5<sup>th</sup> AVE INTERSECTION UPGRADES**

**Project Descriptions/Scope:** This project is for the construction of high visibility crosswalks, curb ramps, and pedestrian activated signals on 5th Ave at the Dawson Street and Wooster Street intersections.

##### **Next Steps:**

- Right of Way Plans anticipated to be complete: May 23, 2016
- Anticipated Let Date: September 26, 2016

#### **U-5527C NEW HANOVER COUNTY – MIDDLE SOUND GREENWAY – EXTENSION TO MIDDLE SOUND VILLAGE**

**Project Descriptions/Scope:** This project is for the construction of a multi-use path along Middle Sound Loop Road from Oyster Lane to the Middle Sound Village driveway

##### **Next Steps:**

- Finalize preliminary easements
- Right of Way Plans anticipated to be complete: September 30, 2015
- Anticipated Let Date: January 26, 2016

#### **TRANSPORTATION DEMAND MANAGEMENT PROGRAM**

**Project Description/Scope:** UNCW is taking the role as lead employer for the Cape Fear region. The WMPO will coordinate with UNCW to work with other major employers in the region to identify opportunities for public outreach, marketing, carpooling, vanpooling, alternative/compressed work schedules, Emergency Guaranteed Ride Home, park and ride lots, etc. The MPO established 2 park and ride lots in Brunswick County and a ridesharing program that began on January 5<sup>th</sup>. The MPO adopted “Work Cape Fear: Expanding Commuter Options in the Cape Fear Region” TDM Short Range Plan on January 28<sup>th</sup> and also authorized staff to apply for a TDM grant through NCDOT that if approved would fund a full-time TDM Coordinator position. The MPO anticipates this agreement from NCDOT in early July.

##### **Next Steps:**

- Finalize the 25-year TDM plan in the MTP
- Promote 2 Park & Ride Lots in Brunswick County
- Await an agreement from NCDOT on the full-time TDM Coordinator position

#### **US 17 BUSINESS CORRIDOR STUDY**

**Project Description/Scope:** In 2007 the Wilmington MPO, in cooperation with NCDOT and the City of Wilmington completed the US 17 Business Corridor Study. The Corridor Study recommended the implementation of a “road diet.” This recommendation included a requirement to construct Independence Boulevard Extension prior to implementation. Citizens have continued to request the implementation of the “road diet,” however the construction of Independence Boulevard extension is now many years off. The City of Wilmington and Wilmington MPO requested an update of this study to re-examine the feasibility of implementing the road diet without first constructing Independence Boulevard extension. The MPO has hired Parsons Brinkerhoff (PB) to develop the update of this study. PB has completed the traffic modeling.



**Next Steps:**

- Present the interim findings and results to the Wilmington City Council on July 21<sup>st</sup> and TAC on July 22<sup>nd</sup>.



## **Cape Fear Public Transportation Authority**

### **Project Update**

**July 2015**

- 1. Operations center** - construction of 37,621 square foot maintenance and operations facility located on Castle Hayne Road which will serve as operation center for all Wave Transit fixed route and Paratransit operations. Includes compressed natural gas fueling station. Facility opened June 29, 2015.
- 2. Fleet replacement & conversion to CNG** - identifying state and federal funding opportunities to replace 19 thirty-five foot buses. FTA funding for 80% of two CNG buses has been identified under FTA §5316 and §5317 program and local funding is included in City of Wilmington FY 2015 budget. New buses to be fueled by compressed natural gas. Fleet replacement programmed at a cost of \$8,100,000. Bid awarded to Gillig, LLC on June 26, 2014. First CNG bus delivered May 27, 2015. Second bus scheduled for delivery June 11, 2015. Four buses scheduled for delivery in January 2016.
- 3. FTA §5310 Program** - Final Program Management Plan delivered to FTA on April 27, 2015 and approved in June 2015. Initial 5310 grant pending FTA approval.
- 4. Wilmington Multimodal Transportation Center** - Memorandum of Agreement between Authority, WMPO, City of Wilmington and NCDOT approved June 25, 2015.





STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

PAT MCCRORY  
GOVERNOR

ANTHONY J. TATA  
SECRETARY

July 2, 2015

**TIP Projects:**

**R-3601 (US 17/74/76):** Widening across the "CAUSEWAY", between Leland/Belville and the Cape Fear River. Replacing the bridges over the Brunswick River and one of the bridges over Alligator Creek.

**Estimated Contract Completion Date November 15, 2016**

**R-2633 BA** – (Wilmington Bypass) construct a 4-lane divided highway from US 74/76 (near Malmo) to SR 1430 (Cedar Hill Road).

**Estimated Contract Completion Date April 30, 2018**

**Open to traffic on November 1, 2017**

**R-2633 BB** – (Wilmington Bypass: Bridge over Cape Fear River) construct a 4-lane divided highway from SR 1430 (Cedar Hill Road) to US 421 (where I-140 currently ends in New Hanover County...this includes the large bridge over the Cape Fear River).

**Estimated Contract Completion Date April 30, 2018**

**Open to traffic on November 1, 2017**

**R-3324 – Long Beach Road Extension** construct a 2-lane, 2-way roadway from NC 133 (near Jump & Run Creek) to NC 87. Most of this roadway will be on new location.

**Estimated Contract Completion Date May 13, 2016**

**R-3432 – SR 1163 (Georgetown Road)** extend from SR 1184 (Ocean Isle Beach Road) to NC 179.

**Estimated Contract Completion Date May 13, 2016**

**Market Street Wal-Mart Development:** construct a median on Market Street from Marsh Oaks Drive to the existing median at Porter's Neck. Install bulb-outs, on Market Street, at Marsh Oaks Drive & Porter's Neck Road intersections. A signal will be installed on Market Street at the main entrance to the new Wal-Mart.

**Estimated Completion Date Summer 2015**

**B-5103:** replace bridge #35 over the abandoned railroad on SR 1627 (3<sup>rd</sup> Street), in Wilmington.

**Estimated Contract Completion Date September 28, 2016**

**U-3338 B:** Widening of Kerr Ave. from Randall Parkway to Martin Luther King, Jr. Parkway.

**Let Date August 18, 2015**

**B-4440:** replace bridge #163 over Mulberry Branch, on SR 1349 (Bridger Road)

**Let Date August 16, 2016**

**B-5236:** replace bridge #19 over Lords Creek on SR 1100 (River Road)

**Let Date September 20, 2016**

**B-4929: Bridge @ Surf City NC 50/210** - replace bridge #16 over the inter-coastal waterway with a fixed span high rise structure.

**Let Date February 21, 2017**

**U-4751: Military Cutoff Road Extension:** extending Military Cutoff Road from Market Street to the Wilmington Bypass, with an interchange at the Bypass.

**Let Date October 17, 2017**

**R-5021 (NC 211):** widening to a 4-lane divided highway from NC 87 (near Southport) to SR 1500 (Midway Road).

**Let Date March 20, 2018**

**B-4590:** replace bridge #29 over Smith Creek on NC 133 (Old Castle Hayne Road)

**Let Date October 16, 2018**

**R-5701:** construct a roundabout at the intersection of US 117 Business, Walker Street & Wilmington Street

**Let Date January 2020 (Division Letting)**

**U-5729: US 421 (Carolina Beach Road)** from Burnett Avenue to US 117 (Shipyard Blvd) upgrade the roadway

**Let Date January 2020**

**B-5540:** replace bridge #202 over branch of Shallotte River, on SR 1357 (Smith Ave.)



**Let Date October 15, 2020**

**B-5156:** replace bridge #28 over Long Creek on NC 210

**Let Date October 15, 2020**

**U-5790: US 421 (Carolina Beach Road)** widen existing US 421 from Sanders Road to NC 132 (College Road) and construct fly-overs at Monkey Junction intersection

**Construction 2020**

**U-5732: US 17 (Ocean Highway in Hampstead)**

Convert to superstreet from SR 1582 (Washington Acres Road) to SR 1563 (Sloop Point Loop Road).

**Construction 2021**

**U-5792: NC 132 (College Road)** from SR 1272 (New Center Drive) to SR 2048 (Gordon Road) widen to multi-lanes and upgrade at-grade intersection at College & Martin Luther King Parkway to an interchange

**Construction 2022**

**U-5710: US 74 (Eastwood Road)** upgrade at-grade intersection at Eastwood Road & Military Cutoff Road to an interchange

**Construction 2022**

**B-5644:** replace bridge #15 over Sill's Creek on NC 11

**Construction 2022**

**U-3831: SR 2048 (Gordon Road)** widen Gordon Road from NC 132 (College Road) to US 17 Business (Market Street), widen to multi-lanes

**Construction 2024**

**W-5306 Castle Hayne Roundabout:** construct a roundabout at the intersection of

US 117, NC 132 & NC 133.

**Estimated Contract Completion Date January 18, 2016**

**Greenfield Lake Culvert:** replace the large culvert under 3<sup>rd</sup> Street and  
US 421 Truck/Front Street...Utility relocation work will begin late 2013 and  
finish

prior to let date

**November 2015**



## Low Impact Bridge Program:

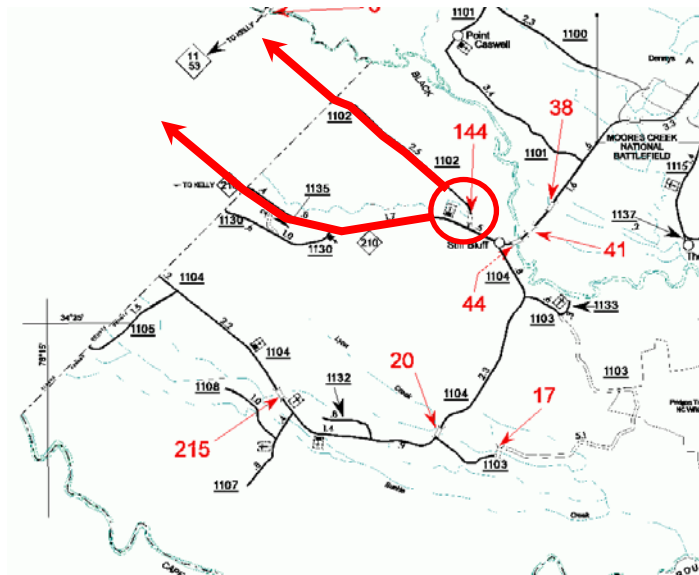
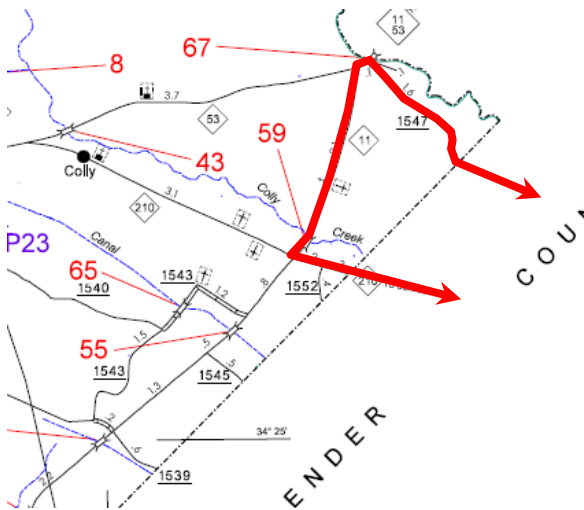
**Design/Build contract to replace 9 bridges in Brunswick & Pender Counties:**

**Estimated Contract Completion Date November 1, 2015 (for all 9 bridge replacements)**

**17BP.3.R.26: replace bridge #144 over branch of the Black River on SR 1102 (Morgan Road)**

### Pender Bridge 144

Detour Route



SR 1102 (Morgan Road) to NC 210, crossing into Bladen County to NC 11 to NC 11 / 53  
to SR 1547 (Kelly Road), crossing into Pender County SR 1102 (Morgan Road)

**Open to Traffic**

### **Resurfacing Contracts:**

**Resurfacing Contract:** C-203480 3CR.10101.150, 3CR.20101.150, 3CR.10651.150, 3CR.20651.150 & 3CR.10711.150 Barnhill Contracting

#### **Brunswick County primary routes:**

**US 17 Business** – mill & resurface from US 17 (south end of US 17 Bus.) to US 17 (@ nose of concrete island)...Bolivia area

**US 17 Bypass (Southbound lanes)** – patch, mill & resurface from 0.17 miles north of SR 1401 (Galloway Road) to 0.09 miles south of SR 1401

#### **Brunswick County secondary routes:**

**SR 1104 (Beach Drive)** – patching, milling, resurface & leveling from beginning of curb & gutter section to end of SR 1104

**SR 1828 (Kings Lynn Drive)** – patching, mill & resurface from SR 1104 (West Beach Drive) to SR 1828

**SR 1401 (Galloway Road)** – resurface from US 17 to SR 1402 (Randolphville Road)

**SR 1435 (North Navassa Road)** – patching, mill & resurface from SR 1472 (Village Road Northeast) to SR 1432 (Old Mill Road Northeast)

**SR 1430 (Cedar Hill Road)** – patching, mill & resurface from SR 1435 (North Navassa Road) to 0.58 miles south of SR 1431 (Royster Road Northeast)

**SR 1430 (Cedar Hill Road)** – patching, mill & resurface from 0.54 miles north of SR 1431 (Royster Road Northeast) to SR 1426 (Mount Misery Road)

#### **Mill & resurface the following primary routes in New Hanover County:**

**US 421 (Carolina Beach Road)** – from 0.26 miles south of Independence Blvd. (non-system portion) to west of Lake Shore Drive (non-system)

**US 117 Northbound Lanes (Shipyard Blvd)** – from US 421 to 0.05 miles east of US 421 (Carolina Beach Road)

**US 117 Southbound Lanes (Shipyard Blvd)** – from 0.20 miles east of US 421 to US 421 (Carolina Beach Road)

**US 421 Southbound Lanes (South 3<sup>rd</sup> Street)** – from US 76 (Dawson Street) to Greenfield Street (non-system)

**US 421 Northbound Lanes (South 3<sup>rd</sup> Street)** – from Greenfield Street (non-system) to US 76 (Dawson Street)

**US 17 Business (South 3<sup>rd</sup> Street)** – from US 76 eastbound lanes to US 76 westbound lanes



**Mill & resurface the following secondary routes in New Hanover County:**

**SR 1218 (16<sup>th</sup> Street)** – from US 76 westbound lanes (Wooster Street) to US 76 eastbound lanes (Dawson Street)

**SR 1371 (16th St.)** - from Grace Street (non-system) to US 17 Business (Market Street)

**SR 2816 (16th St.)** - from US 17 Business (Market Street) to US 76 westbound lanes (Wooster Street)

**SR 1301 (17<sup>th</sup> Street)** - from US 17 Business (Market Street) to Grace Street (non-system)

**SR 2817 (17th Street)** - from US 76 eastbound lanes (Dawson Street) to US 17 Business (Market Street)

**SR 1411 (Wrightsville Avenue)** - from Dawson Street Extension (non-system) to SR 1209 (Independence Blvd.)

**Resurface the following secondary routes in New Hanover County:**

**SR 2699 (Amsterdam Way)** - from SR 2700 (Old Dairy Rd.) to SR 2048 (Gordon Rd.)

**SR 2701 (Antilles Ct.)** - from SR 2698 (Netherlands Dr.) to end maintenance

**SR 2698 (Netherlands Dr.)** - from SR 2048 (Gordon Rd.) to SR 2700 (Old Dairy Rd.)

**SR 2700 (Old Dairy Rd.)** - from US 17 Bus. (Market St.) to SR 2699 (Amsterdam Way)

**SR 2220 (Windmill Way)** - from SR 2219 (N. Green Meadows Dr.) to SR 2700 (Old Dairy Rd.)

**SR 2183 (Spring Rd)** - from NC 133 (Castle Hayne Rd.) to SR 2184 (Fairfield Rd.)

**SR 2184 (Fairfield Rd.)** - from SR 2183 (Spring Rd) to SR 1318 (Blue Clay Rd)

**Widen & resurface following routes in New Hanover County:**

**SR 1940 (Covil Farm Rd)** - from SR 1409 (Military Cut-Off Rd) to SR 1916 ( Red Cedar Rd)

**SR 2717 (Torchwood Blvd.)** - from US 17 Bus. (Market St.) to SR 2718 (Beacon Dr.)

**Mill & resurface a section & just resurface another section of SR 1363 (Bayshore Dr.)** from US 17 Bus. (Market St.) to SR 1393 (Biscayne Dr.)

**Pender County primary routes:**

US 117 - mill & resurface from 0.30 miles north of NC 210 to 0.026 miles north of

US 117 Business

**NC 11/53** - mill & resurface from begin curb & gutter @ western city limits of Town of Atkinson to end curb & gutter @ the eastern city limits of Town of Atkinson.

**NC 53** - Patch ONLY from I-40 to US 117 (Town of Burgaw).

**Estimated Contract Completion Date Fall 2015**

**Resurfacing Contract: DC-00089 3CR.10651.166**

**Carolina Beach:**

US 421 – mill & resurface from E Avenue (Kure Beach) to Cardinal Sands Drive in Carolina Beach.

**Work Complete**

**Resurfacing Contract: DC-00090 3CR.10101.165**

**Brunswick County:**

NC 211 – mill & resurface from NC 87 to end of system at Fort Fisher Ferry Terminal.

**Estimated Contract Completion Date November 2015**

**Resurfacing Contract: DC-00091 3CR.10711.165**

**Pender County:**

NC 53 – resurface from US 117 to I-40.

NC 210 – mill & resurface from NC 210/NC 50 (in Town of Surf City) to Onslow County line.

**Estimated Contract Completion Date October 2015**

**Resurfacing Contract: C203839 3CR.10651.170**

**New Hanover County:**

US 117 – milling & resurfacing from I-40 to bridge at Market Street

US 74 – milling & resurfacing from Kornegay Avenue to Cardinal Drive

**Availability Date March 30, 2015**

**Estimated Contract Completion Date September 2015**

**Resurfacing Contract: C203630 WBS #46176.3.FS1**

**New Hanover & Pender Counties:**

I-40 – milling & resurfacing from Gordon Road interchange to NC 210 interchange

I-40 – milling & resurfacing from US 117 interchange to mile post 393 (approximately 3.5 miles east of US 117 interchange)

**Availability Date March 30, 2015**

**Estimated Contract Completion Date September 2016**



**Resurfacing Contract: DC-00103 3CR.20711.173**

**Pender County:**

**SR 1104 (Canetuck Road)** from SR 1103 (Heading Bluff Road) to

SR 1103 (Heading Bluff Road) other end of loop.

**SR 1103 (Heading Bluff Road)** from SR 1104 (Canetuck Road) to end of system

**SR 1336 (Horse Branch Road)** from SR 1319 (Pelham Road) to SR 1209  
(Shiloh Road)

**SR 1407 (Scott Road)** from NC 210 to SR 1400 (Highsmith Road)

**SR 1510 (East Wilmington Street)** from US 117 to NC 53

**SR 1349 (Johnston Avenue)** from US 117 to NC 11

**Availability Date June 1, 2015**

**Estimated Contract Completion Date August 2015**

If you have any questions, please contact Patrick Riddle at the Division 3 Office:  
[priddle@ncdot.gov](mailto:priddle@ncdot.gov)