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*Create and execute continuing, cooperative and comprehensive regional long-range planning efforts that pro-actively drive transportation decisions to improve safety, connectivity, economic development and quality of life in the Wilmington region.*

**Wilmington Urban Area Metropolitan Planning Organization  
Citizen Advisory Committee  
Meeting Agenda**

**TO:** Wilmington Urban Area MPO Citizen Advisory Committee  
**FROM:** Abby Lorenzo, Senior Transportation Planner  
**DATE:** December 31<sup>st</sup>, 2018  
**SUBJECT:** January 7<sup>th</sup>, 2019 meeting

A meeting of the Wilmington Urban Area MPO Citizen Advisory Committee will be held on Monday, January 7<sup>th</sup>, 2019 at 2 pm. The meeting will be held in the 6<sup>th</sup> Floor Conference Room located at 320 Chestnut Street in downtown Wilmington.

The following is the agenda for the meeting:

- 1) Call to Order
- 2) Approval of the Agenda
- 3) Approval of Minutes- December 12<sup>th</sup>, 2018
- 4) Cape Fear Moving Forward 2045 Modal Project List Discussion  
  
Recommended Action: CAC approval of Modal Project Lists
- 5) Next Meeting- February 6<sup>th</sup>, 2019
- 6) Adjourn

Attachments:

- Meeting Minutes- December 12<sup>th</sup>, 2018
- Modal Project Lists
  - Aviation
  - Bicycle and Pedestrian
  - Ferry
  - Freight/Rail
  - Public Transportation
  - Roadway

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Wilmington Urban Area Metropolitan Planning Organization

City of Wilmington • Town of Carolina Beach • Town of Kure Beach • Town of Wrightsville Beach  
County of New Hanover • Town of Belville • Town of Leland • Town of Navassa • County of Brunswick  
County of Pender • Cape Fear Public Transportation Authority • North Carolina Department of Transportation

**Citizens Advisory Committee  
6<sup>th</sup> Floor Conference Room, 320 Chestnut Street  
Wednesday, December 12, 2018  
Meeting Minutes**

**Members Present:**

Laura Padgett, Chair, City of Wilmington  
David Hollis, Brunswick County  
Patrick Boykin, Town of Carolina Beach  
Harold King, Town of Wrightsville Beach  
Stuart Smith, Town of Belville  
Brayton Willis, Town of Leland  
Vanessa Lacer, Cape Fear Public Transportation Authority  
Neal Andrew, North Carolina Board of Transportation

**Members Absent:**

John Cawthorne, Vice Chair, Town of Kure Beach  
Web Bostic, New Hanover County  
Valorie Hatten, Town of Navassa  
Sallie Rochelle, Pender County  
Jason Windham, City of Wilmington

**Staff Present:**

Abigail Lorenzo, Senior Transportation Planner, WMPO  
Katie Moore, Associate Transportation Planner  
Zachary Manfredi, Associate Transportation Planner  
Michael Madsen, GIS Analyst

**1. Call to Order**

Ms. Padgett called the meeting to order at 2:01 p.m.

**2. Approval of Minutes – November 7, 2018**

Mr. Andrew made a motion to approve the minutes of November 7, 2018, seconded by Mr. King, and the motion carried unanimously.

**3. Presentation of Cape Fear Moving Forward 2045 Public Input Map Results – Michael Madsen, WMPO**

Mr. Madsen gave an overview of results from the four-month public input period of the Cape Fear Moving Forward 2045 Plan. The 7,400 total responses consisted of 2,287 completed surveys, and 1,905 hits (averaging 15.49 per day) and 563 comments with more than 4,554 votes on comments from the map.

Mr. Madsen stated that Roadway led in comments (267), and Bicycle/Pedestrian in votes (2,347). He gave an overview of the usage chart, which showed that e-mail blasts and social media posts received the most responses. Trends for comments in each of the modes included the following:

- Roadway: 1) Signage, signaling and speed; 2) Traffic and road widening, and 3) Intersection improvements.

- Bicycle/Pedestrian: Evenly distributed among sidewalks, crosswalks, bike paths/lanes, multi-use paths. Safety was a common concern.
- Public Transportation: 1) Light rail, and 2) Beach/tourism connectivity.
- Ferry: 1) Leland ferry, 2) High-speed ferries, and 3) Multi-modal connections.
- Freight/Rail: Light rail and Amtrak comments were moved to the Public Transportation mode.
- Aviation: 1) Connection to Raleigh-Durham International Airport (RDU); and 2) Additional air services for Wilmington International Airport (ILM).

Mr. Madsen stated that overall, the two main trends were interconnectivity between all modes of transportation and safety. The results were organized into categories to help identify projects, separating out duplicates, complaints, maintenance items, and policies for referral to the appropriate jurisdiction. The projects were then sorted by mode, checked against existing plans, and provided to the modal subcommittees for consideration. She noted that a new map has been posted to [www.CapeFearMovingForward2045.org](http://www.CapeFearMovingForward2045.org).

A brief question/answer and discussion period was held.

**4. Presentation of Cape Fear Moving Forward 2045 Milestone Update for Member Jurisdiction Boards – Katie Moore, WMPO**

Ms. Moore gave an overview of the Cape Fear Moving Forward 2045 Milestone Update, a presentation that will be distributed to Citizen Advisory Committee members via e-mail. She noted that the presentation can be shared with the general public, elected officials and government staff of member jurisdictions. The main objectives of it are to help the MPO achieve continuity of awareness and planning processes, and to assist representatives from the jurisdictions to inform communities within the MPO region about the MPO and the Metropolitan Transportation Plan (MTP), the progress of the MTP, and how to participate. She added that staff is available to work with members to embellish this fairly basic presentation.

Mr. Willis requested a link to the meeting dates on the website, and a summary of public involvement to date. Ms. Moore responded that a general statement about participation to date has been included in the presentation.

Chairman Padgett pointed out that members of the MPO Board are also responsible for keeping their respective boards of elected officials up to date.

Ms. Lorenzo added that planning staff from member jurisdictions a source of information for the respective jurisdictions. She added that the MPO will be involved in public outreach efforts in 2020.

**5. Cape Fear Moving Forward 2045 Goal 'Environmentally and Socially Responsible' Revision**

Chairman Padgett stated that the Committee asked staff for some language to address a concern regarding educating people. She read the staff recommended revision of the 'Environmentally and Socially Responsible' goal, as follows:

*Accessible, sustainable, and equitable transportation solutions are actively communicated to increase public awareness and collaboration.*

Mr. Andrew made a motion to approve the revised goal, seconded by Mr. King.

In response to an inquiry by Ms. Lacer, Ms. Lorenzo stated that the original goals are included in the agenda packet for the MPO Board's January 2018 meeting, which can be accessed online ([https://www.wmpo.org/wp-content/uploads/2018/01/2018-01-31\\_BoardAgenda\\_FINAL.pdf](https://www.wmpo.org/wp-content/uploads/2018/01/2018-01-31_BoardAgenda_FINAL.pdf)).

Following further consideration, Chairman Padgett called the question, and the motion carried unanimously.

**6. Cape Fear Moving Forward 2045 Modal Project List Update**

Ms. Lorenzo stated that the project lists at the modal subcommittee level have been finalized and passed along to staff. Staff is in the process of completing the detailing of scopes and limits of the projects. MPO and engineering staff are working together on cross sections for Roadway and Bike/Ped. The internal deadline to send the package to the consultant to begin cost estimates is today. However, project lists will be sent to Committee members by the end of next week in order to review it prior to the January meeting. Scopes or cross sections will be included in addition to a summary sheet with the overall number of projects, carry-over projects and those that have come from other adopted plans, as well as new projects from the modal subcommittees, this Committee or public input. She expressed a desire for the modal subcommittees to finish their work by March 2019.

Chairman Padgett requested that members keep in mind the changes in demographics and technology when considering how to best spend funding in this plan.

In response to an inquiry by Mr. Hollis, Ms. Lorenzo stated that cost estimates are expected from the consultant by February and a presentation will be made by them to this Committee, the Technical Coordinating Committee and the Board.

**7. Discussion on 2019 Meeting Days for the Citizen Advisory Committee**

Ms. Lorenzo stated that content from the Citizens Advisory Committee (CAC) is reviewed by the Technical Coordinating Committee (TCC) before going to the Board. She proposed moving the CAC meeting to the first Wednesday of the month in 2019 starting in February, at the same time and location, so that it would be in sync with TCC meetings.

It was the consensus of the Committee to accept the change. Chairman Padgett requested that the dates be e-mailed to members. Ms. Lorenzo responded that the CAC might not have to meet every month, and noted that she would forward the first six months of meeting dates.

Mr. Smith requested background information regarding population and technology changes. Ms. Lorenzo stated that projections to 2045 can be provided. She noted that Mr. Madsen has created some great maps with this information.

Mr. Hollis expressed an interest in comparing it with major projects over the past 25 years. Ms. Lorenzo responded that she will send it out with the project lists next week, and the presentation by the end of this week

**8. Additional Items**

Chairman Padgett pointed out that a conflict exists between the next meeting of this Committee and a Transportation Summit to be held in January. She inquired if the Committee prefers January 3<sup>rd</sup> or January 7<sup>th</sup> for its next meeting.

Mr. Andrew commented that he prefers January 7<sup>th</sup>. Mr. Hollis concurred as long as it would include birthday cake.

Ms. Padgett stated that the next meeting of the CAC will be held on January 7<sup>th</sup>.

**9. Adjournment**

With no further business, the meeting was adjourned at 2:47 p.m.

Respectfully submitted,

Abby Lorenzo  
Senior Transportation Planner  
Wilmington Urban Area Metropolitan Planning Organization

**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.**

# Aviation Projects

MTP#	SPOT ID	Master Plan Number	Project	Jurisdiction	Reference Plan	Description
A-7			GA Apron Development Phase II	ILM	MTP 2040/STIP 2015	
A-14			Extend Runway 24- Phase II of IV	ILM	MTP 2040	Master Plan C (Page 7-2)
A-18		Project 2	Land Acquisition for ASR Site Relocation	ILM	2005 ILM Master Plan	Master Plan C (Page 7-2)
A-19		Project 3	Apron Maintenance	ILM	2005 ILM Master Plan	Master Plan C (Page 7-3)
A-21		Project 5	Expand Air Carrier Auto Parking	ILM	2005 ILM Master Plan	Master Plan C (Page 7-4)
A-22		Project 6	Rehabilitate Runway 6-24 and Taxiway B	ILM	2005 ILM Master Plan	Master Plan C (Page 7-4)
A-23		Project 7	Perimeter Road Development (Phase II)	ILM	2005 ILM Master Plan	Master Plan C (Page 7-5)
A-24		Project 9	Airline and Customs Apron- Clean/Seal Joints and Repair Pavements	ILM	2005 ILM Master Plan	Master Plan C (Page 7-6)
A-25		Project 11	Overlay Airport Boulevard, Building Circulation, and Surrounding Roadways	ILM	2005 ILM Master Plan	Master Plan C (Page 7-7)
A-26		Project 12	Northside FBO #2 GA Apron and Hangar Development (Phase I)	ILM	2005 ILM Master Plan	Master Plan C (Page 7-8)
A-27		Project 13	Map Utilities and Provide Geographic Information System (GIS) Airport Interface	ILM	2005 ILM Master Plan	Master Plan C (Page 7-8)
A-29		Project 18	Runway 17/35 Extension and Safety Area Improvements	ILM	2005 ILM Master Plan	Master Plan C (Page 7-10)
A-30		Project 19	Upgrade Visual Approach Aids and Runway Lighting	ILM	2005 ILM Master Plan	Master Plan C (Page 7-10)
A-31		Project 20	Roadway 17/35 Taxiway System Maintenance, Overlay, and Widening	ILM	2005 ILM Master Plan	Master Plan C (Page 7-10)
A-33	A150420		Perimeter Road Improvements	ILM	SPOT 5.0	Project will improve safety by relocating the Airport's vehicle perimeter road outside NAVAID critical areas and Object Free Areas. The road will be all-weather road allowing traffic to be separated from Aircraft movement areas. Includes Project Request Number: 00003415
A-36	A170922		2nd GA Hangar Aircraft Taxi Lane (North GA #2)	ILM	SPOT 5.0	Construct a new hangar taxi lane to provide access into development hangar leasehold areas per ILM's ALP. Includes Project Request Number: 00003789
A-37	A170926		Runway 35 Wind Cone/PAPI Replacement	ILM	SPOT 5.0	This project will be designed and constructed to replace the runway 35 wind cone due to its useful life. The PAPI's and powersupply unit (PSU) needs to be relocated outside the Runway Safety Area (RSA) per FAA Standards. Includes Project Request Number: 00003805
A-38	A170927		Emergency Boat Ramp Access Launch Rwy 6	ILM	SPOT 5.0	This project will provide ARFF Rescue boat a concrete water access ramp along with a dock to provide life safety during an aircraft crash emergencies in Smith Creek. Includes Project Request Number: 00003806
A-39	A170930		1st Paved Aircraft Taxi Lane (East Ramp Lane #1)	ILM	SPOT 5.0	Construct a new hangar taxi lane to provide access into development hangar leasehold area per ILM's Airport Layout Plan. Includes Project Request Number: 00003821
A-43			Business traveler parking and/or long term valet	ILM	2045 Public Input	We need parking for business travelers only please. When you are leaving for a business trip you do not have time to drive around from lot to lot looking for a place to park especially in the early am. Back in my home town we had a valet service for business travelers. It was great. You dropped your car curb side and told them when you were coming back. They even offered detail service while you were away. Worth every penny!

**Bike Ped Segments**

Project #	Project Name	Project Type	From	To	Segment Length (Ft)	Lane Width (Ft)	Median Width (Ft)	On Street Parking (Ft if applicable)	MUP (Width in Ft, if applicable)	Sidewalk (Width in Ft, if applicable)	Number of pedestrian signals needed	Signalized or not signalized	Crosswalk Length (all legs)	Bike Lane (Width in Ft, if applicable)	Crosswalk (Width in Ft, if applicable)	Crosswalk (Type, painted or stamped, if applicable)	Type Section Detail #
BP-1	5th Ave Bike Lane	On Street Bike Lane	Cambell Street	Greenfield Lake Park	10,975									5' (Each Side)			NHC Greenway Plan 5-48
BP - 12	US - 17 (Market St.) MUP	MUP	Ploof Rd.	Ocean Gate Plaza	1,400				10' paved								Leland Ped Plan A-24
BP-13	West Gate Park Connector MUP	MUP	West Gate Dr	Wire Rd	3750				10' paved								Leland Ped Plan A-24
BP-14,285	SR - 1209 (Independence Blvd) MUP Ph I	MUP	River Rd	US 421 (Carolina Beach Rd)	6520				10' paved								NHC Greenway Plan 5-7
BP-15	SR - 1209 (Independence Blvd) MUP Ph II	MUP	US 421 (Carolina Beach Rd)	S 17th St	4000				10' paved								NHC Greenway Plan 5-7
BP-16	SR - 1209 (Independence Blvd) Extension MUP	MUP	Randall Pkwy	South of MLK Jr Pkwy	8350				10' paved								NHC Greenway Plan 5-7
BP-28	US - 76 (Causeway Dr) Bicyclist Improvements	Streetscape/Road Diet	Airlie Rd	Waynick Blvd	7050	14' travel lane (1 per direction) with 11' center turn lane	None	8' (south side only)	12' paved								WB Community Plan Causeway Dr Alternative 2
BP-35	US - 117/NC 132 (S. College Rd) MUP Ph I	MUP	Hurst Dr	Randall Pkwy	3170				10' paved								NHC Greenway Plan 5-7
BP-36	US - 117/NC 132 (S. College Rd.) MUP Ph II	MUP	Randall Pkwy	New Centre Dr	2500				10' paved								NHC Greenway Plan 5-7
BP-39	Burnt Mill Creek MUP	MUP	Market ST	Archie Blue Park	6520				10' paved								NHC Greenway Plan 5-7, 3-21
BP - 42	Jenkins Road BikePed	Bike Lanes and Sidewalk	US 17	St. Johns Church Rd.	835					5' (Each Side)				5' (Each Side)			Pender County Collector Street Plan Figure 27
BP -43	St. Johns Church Rd. BikePed	Bike Lanes and Sidewalk	Jenkins Rd.	end	1760					5' (Each Side)				5' (Each Side)			Pender County Collector Street Plan Figure 27
BP-45	SR - 2313 (Wilshire Blvd) BikePed Improvements	Bike Lanes and Sidewalk	Wrightsville Ave	Kerr Ave	5400					5' (Each Side)				5' (Each Side)			NHC Greenway Plan 5-47
BP-49	Peachtree Ave MUP	MUP	S Kerr (BP 457)	Hugh McRae Park	1660				10' paved								NHC Greenway Plan 5-7
BP-52	US - 76 (Oleander Dr) BikePed Improvements	Bike Lanes and Sidewalk (from 39th St to 42nd St)	Hawthorne Rd	42nd St	5600					5' (Each Side)				5' (Each Side)			NHC Greenway Plan 5-47
BP- 56	Claredon Ave MUP	MUP	Dow St.	4th St.	2700				10' paved								CB Ped Plan: A.1.2 Sidepaths
BP-97	Plantation Road MUP	MUP	Crooked Pine Rd	End of Plantation Rd (East End)	11000				10' paved								NHC Greenway Plan 5-7
BP - 131	Lossen Lane MUP	MUP	Old Fayetteville Rd.	Old Village Rd.	1460				10' paved								NHC Greenway Plan 5-7, 5-38
BP - 146	Halifax Rd. BikePed Improvements	Bike Lanes and Sidewalks	Lake Ave.	Fordham Rd.	2800					5' (Each Side)				5' (Each Side)			NHC Greenway Plan 5-47
BP-147	Central Blvd/Morningside Dr BikePed Improvements	Sharrows/MUP	Burnett Blvd	Yaupon Dr	6100				10' paved								NHC Greenway Plan 5-7
BP - 165	SR - 1516 (Navaho Trail) MUP	MUP	Masonboro Loop (north)	Masonboro Loop (south)	13,095				10' paved								NHC Greenway Plan 5-7
BP-178	SR - 1336 (Sidbury Rd) BikePed Improvements	Bike Lanes and Sidewalks	US 17	Dairy Farm Rd	35,000					5' (Each Side)				5' (Each Side)			Pender County Collector Street Plan Figure 24
BP - 179/209	Hampstead Bypass MUP	MUP	Dairy Farm Rd.	Old Whitfield Rd.	82,000				10' paved								NHC Greenway Plan 5-7
BP - 180	US -117/NC 133 (Castle Hayne Rd.) MUP	MUP	US 117	NC 210	13,500				10' paved								Pender County Collector Street Plan Figure 24
BP-193	Lake Ave BikePed Improvements	Bike Lanes and Sidewalks (from Halifax to 41st St)	Hallifax Rd	College Rd	3,250					5' (Each Side)				5' (Each Side)			NHC Greenway Plan 5-47
BP - 194	Independence Mall Frontage BikePed Improvements	Bike Lanes and Sidewalks	Fordham Blvd.	Independence Blvd.	2,300					5' (Each Side)				5' (Each Side)			NHC Greenway Plan 5-47
BP 201	US - 117/NC 133 (Castle Hayne Rd.) MUP	MUP	NC 210	Cheshire Rd.	12,000				10' paved								Pender County Collector Street Plan Figure 24
BP-206	SR - 1002 (Island Creek Rd.) BikePed Improvements	Bike Lanes and Sidewalks	US 17	Royal Oak Ct	18,200					5' (Each Side)				5' (Each Side)			Pender County Collector Street Plan Figure 24
BP - 212	US - 117/NC 132 (N. College Rd.) MUP	MUP	NC 210	NC 133	19,000				10' paved								Pender County Collector Street Plan Figure 24
BP - 223	SR - 1569 (Hoover Rd.) MUP	MUP	US 17	Tim Moore Dr.	5,200				10' paved								Pender County Collector Street Plan Figure 24
BP - 224	SR - 1569 (Hoover Rd.) MUP	MUP	Tim Moore Dr.	Highlands Dr.	7,200				10' paved								Pender County Collector Street Plan Figure 24
BP-233	Floral Pkwy BikePed Improvements	Bike Lanes and Sidewalks	Independence Mall Entrance	Wrightsville Ave	2,660					5' (Each Side)				5' (Each Side)			NHC Greenway Plan 5-47





BP-326	Rogersville Rd Trail (MUP)	MUP	Eastwood Rd	Wrightsville Ave	4,230					10' paved							NHC Greenway Plan 5-7
BP - 336	Airlie Rd. MUP	MUP	Military Cutoff Rd.	Eastwood Rd.	7,800					10' paved							NHC Greenway Plan 5-7
BP - 337	Alabama Ave MUP	MUP	Island Greenway	West Park Blvd.	2,000					10' paved							CB Ped Plan: A.1.2 Sidepaths
BP-341	Bayfield Dr Sharrow	Sharrows	Bayshore Dr	Porters Neck Rd	7,200												NHC Greenway Plan 5-38
BP-344	SR - 1318 (Blue Clay Rd Bicycle Lanes I)	Bicycle Lanes	Holly Shelter Rd	Sidbury Rd	11,400												5' (Each Side)
BP-345	SR - 1318 (Blue Clay Rd Bicycle Lanes II)	Bicycle Lanes	Sidbury Rd	Proposed Rail Trail Corridor	11,650												5' (Each Side)
BP - 349	Cape Fear Blvd. Bicycle Lanes	Bicycle Lanes	3rd St.	CB Ave.	4,300												5' (Each Side)
BP - 355	US - 117/NC 133 (Castle Hayne Rd.) Bicycle Lanes	Bicycle Lanes	Kerr Ave.	North of I-140	11,400												5' (Each Side)
BP - 361	US - 117/NC 132 (N. College Rd.) Bicycle Lanes	Bicycle Lanes	Blue Clay Rd	North Chase Pkwy.	3,600												5' (Each Side)
BP - 370	Front St. Sharrow	Sharrows	Ann St.	Cape Fear Mem. Bridge	2,400												5' (Each Side)
BP-373	SR - 2048 (Gordon Rd.) BikePed Improvements	Bike Lanes and Sidewalks	College Rd	Military Cutoff Rd	14,600												5' (Each side)
BP-376	SR - 1002 (Holly Shelter Rd.) BikePed Improvements	Bike Lanes and Sidewalks	Blue Clay Rd	Royal Oak Ct	33,800												5' (Each side)
BP - 381	John D. Barry Dr. Bicycle Lanes	Bicycle Lanes	17th St.	Robert E. Lee	2,400												5' (Each Side)
BP-396	SR - 1409 (Military Cutoff) Bicycle Lanes	Bicycle Lanes	Wrightsville Ave	Eastwood Rd	3,200												5' (Each Side)
BP-397	SR - 1272 (New Centre Dr.) Bicycle Lanes I	Bicycle Lanes	College Rd	Terminus	2,100												5' (Each Side)
BP-398	SR - 1272 (New Centre Dr.) BikePed Improvements	Sidewalks (Sigmon Rd to Market St)	College Rd	Columb Dr	5,550												5' (Each side, approximately 600')
BP-406	Princess Street Sharrows	Sharrows	5th St	20th St	6,070												5' (Each Side)
BP - 409	St. Joseph St. Bikeped Improvements	Bike Lanes and Sidewalks	Lewis Dr.	Lees Lane	4,700												5' (Each Side)
BP-411	SR - 1336 (Sidbury Rd.) BikePed Improvements	Bike Lanes and Sidewalks	US 17	Dairy Farm Rd	3,800												5' (Each Side)
BP-423	US - 17 Bus. (Market St.) Rail Trail MUP	MUP	Cape Harbor Dr	Porters Neck Rail Trail	26,400												10' paved
BP-426	North Smith Creek Trail	MUP	Smith Creek Park	Northchase Pkwy	27,980												10' paved
BP-430	SR - 1576 (North River Rd.) Trail MUP (Remaining Section)	MUP	Independence Blvd	Sanders Rd	9,480												10' paved
BP - 432	South Smith Creek Trail	MUP	Kerr Ave.	Market Street	10,750												10' paved
BP-433	SR -1492 (Myrtle Grove Rd.) Trail MUP	MUP	Carolina Beach Rd/College Rd	Carolina Beach Rd	22,700												10' paved
BP - 437	US - 117/NC 133 (Castle Hayne Rd.) Bicycle Lanes	Bicycle Lanes	Kerr Ave.	Brentwood Dr.	8,600												5' (Each Side)
BP - 441	US - 76 (Causeway Dr.) Sharrows	Sharrows	Airlie Rd	Waynick Blvd	6,500												5' (Each Side)
BP-442	US - 74 (N.Lumina Ave.) Sharrows	Sharrows	Salisbury St	Causeway Dr	12,300												5' (Each Side)
BP-456	US - 117 /NC 132 (S. College Rd.) Bicycle Lanes	Bicycle Lanes	Market ST	Shipyard Blvd	17,000												5' (Each Side)
BP - 457	SR - 1175 (Kerr Ave.) Bicycle Lanes	Bicycle Lanes	Randall Pkwy	Wrightsville Ave	6,500												5' (Each Side)
BP-458	SR - 1411 (Wrightsville Avenue) BikePed Improvements	Bicycle Lanes and Sidewalks	Dawson St	Wood Dale Dr	15,500												5' (Each Side)
BP-464	US - 421 (Carolina Beach Rd.) BikePed Improvements	Bicycle Lanes and Sidewalks	Burnett Blvd	St Andrews Dr	21,800												5' (Each Side)
468a	Downtown Trail Greenway (Phase I, Riverfront Boardwalk to Bess St)	MUP	Riverfront Boardwalk	Bess St	6,600												10' paved
468b	Downtown Trail Greenway (Phase II, Nutt St to Burnt Mill Creek)	MUP	Nutt St	Burnt Mill Creek	9,000												10' paved
BP - 469	SR - 1539 (Ocean Blvd.) MUP	MUP	S. Lake Park Blvd	Dow Rd	4,300												10' paved
BP - 471	Front St. Sharrow	Sharrows	Market ST	Downtown Greenway	1,600												10' paved
BP - 546	US - 117/NC 132 (N. College Rd.) Central Trail MUP	MUP	South Smith Ck. Trail	Northchase Pkwy	5,900												10' paved
BP - 551	US - 421 (Central Lake Park Blvd.) Sidewalks	Sidewalks	Atlanta	Alabama	6,300												5' (Each Side)
BP - 556	SR - 1217 (17th St.) NHC Library Connection MUP	MUP	John Barry Dr	Pine Valley Branch Library	2,100												10' paved
BP - 559	Cross City Trail MUP	MUP	S Kerr Ave	College Rd	3,300												10' paved
BP - 856	US - 76 (Cape Fear River Crossing)	MUP	East side of river	West side of river	3,800	12'											10' paved
																	5' (Each side)
																	4 lanes with bike lanes and MUP



**Bike Ped Intersections**

Intersection Project #	Project Name	Project Type	Curb Ramps (each)	Pedestrian Signals (each)	Crosswalk Length ( Ft)	Crosswalk (Width in Ft)	Crosswalk (Painted or stamped)
BP - 560	US - 421 (Carolina Beach Rd and Halyburton Pkwy) BikePed Crossing Improvements	BikePed Crossing at signalized intersection	10	8	350	10	painted
BP - 561	US - 421 (Carolina Beach Rd.) & SR - 1492 (Myrtle Grove Rd.)	BikePed Crossing at signalized intersection	4	4	250	10	painted
BP - 563	US - 76 (Causeway Dr.) & US - 74 (W. Salisbury St.)	Crosswalk Improvement	4	4	200	10	painted
BP - 572	US - 421 & Isabel Holmes Bridge	Crossing Improvement	2	2	185	10	painted
BP - 574	Drysdale Dr & SR - 1409 (Military Cutoff Rd.)	Crosswalk Improvement	4	Not signalized	115	10	painted
BP - 577	SR - 1363 (Bayshore Dr.) & US - 17 (Market St.)	Crosswalk Improvement	4	6	300	10	painted
BP - 579	SR - 1409 (Military Cutoff Rd.) & Station Rd	Crosswalk Improvement	4	4	118	10	painted
BP - 580	Rd.) and Mateo Dr. Pedestrian Crossing	Ped. Crossing Improvements	2	8	465	10	painted
BP - 581	US 421 (Carolina Beach Rd.) & US - 117/NC - 132 (S. College Rd.)	Crosswalk Improvement	8	8	620	10	painted
BP - 584	US - 117/NC - 132 (S. College Rd.) & Shopping Center Entrance	Crosswalk Improvement	6	6	350	10	painted
BP - 589	US - 421 (Carolina Beach Rd.) and US - 117 (Shipyard Blvd.) Pedestrian Crossing Improvements	Ped. Crossing Improvements	2	4	250	10	painted
BP - 590	SR 1409 (Military Cutoff Rd.) & SR - 1411 (Wrightsville Ave.)	Crosswalk Improvement	2	2	85	10	painted
BP - 591	Greenville Loop Rd. & US - 76 (Oleander Dr.)	Crosswalk Improvement	2	2	90	10	painted
BP - 594	US - 421 (Carolina Beach Rd.) & SR - 1209 (Independence Blvd.)	Ped. Crossing Improvements	6	6	350	10	painted
BP - 597	SR - 1217 (17Th St.) & Glen Meade Rd	Crosswalk Improvement	4	8	360	10	painted

BP - 604	Lewis Dr & US - 421 (Lake Park Blvd.)	Crosswalk Improvement	6	6	250	10	painted
BP - 619	US - 421 (Carolina Beach Rd.) & Antoinette Dr.	Crosswalk Improvement	8	8	375	10	painted
BP - 625	SR - 1187 (Sanders Rd.) & SR - 1187 (River Rd.)	Crosswalk Improvement	6	6	100	10	painted
BP - 626	SR - 1187 (River Rd.) & US - 421 (Carolina Beach Rd.)	Crosswalk Improvement	6	6	275	10	painted
BP - 627	SR - 1521 (Piner Rd.) & SR - 1492 (Myrtle Grove Rd.)	Crosswalk Improvement	6	6	120	10	painted
BP - 633	SR - 1409 (Military Cutoff Rd.) & Cayman Court	signalized intersection	4	4	112	10	painted
BP - 635	Parker Farm Dr & SR - 1409 (Military Cutoff Rd.)	Crossing/Pedestrian Signal	2	2	132	10	painted
BP - 636	University Drive & US - 117/ SR - 132 (S. College Rd.)	Crosswalk Improvement	2	3	200	10	painted
BP - 639	S 21st St & US - 17 BUS (Market St.)	Crosswalk Improvement	2	4	40	10	painted
BP - 642	US - 74 (Eastwood Rd.) & Bay Creek Dr.	Pedestrian Crossing (in-place)		In Place	NA	10	
BP - 644	US - 76 (Causeway Dr.) & SR - 1452 (N.Lumina Ave.)	Crosswalk Improvement		In Place	NA	10	
BP - 646	US - 117/ NC - 132 (S. College Rd.) & US - 76 (Oleander Dr.)	Crossing/Pedestrian Signal	8	8	450	10	painted
BP - 647	US - 17 BUS (Market St.) & SR - 2048 (Gordon Rd.)	Crossing/Pedestrian Signal	8	8	500	10	painted
BP - 648	SR - 1409 (Military Cutoff Rd.) & US - 74 (Eastwood Rd.)	Pedestrian Crossing (in-place)		In Place	NA	10	
BP - 649	SR - 1272 (New Centre Dr.) & US - 117 N/NC - 132 (S. College Rd.)	Crossing/Pedestrian Signal	in-place	3	475	10	painted
BP - 661	US - 117/NC -132 (S. College Rd.) & Randall Parkway	Crosswalk Improvement	in-place	In Place	NA	10	
BP - 669	US - 421 (S. 3rd St.) & US - 76 (Dawson St.)	Crosswalk Improvement	2	6	220	10	painted
BP - 681	US - 76 (Oleander Dr.) & US - 76 (Dawson St.)	Crosswalk Improvement	8	8	300	10	painted
BP - 698	US - 17 BUS (Market St.) & (Barclay Hills Dr.) Pedestrian Crossing Improvements	Ped. Crossing Improvements	2	2	75	10	painted

BP - 700	US - 17 BUS (Market St.) & Lullwater Dr.	Crosswalk Improvement	In-place		NA	10	
BP - 722	N. 3rd St. & Red Cross St.	Crosswalk Improvement	In-place		NA	10	
BP - 744	10th St. & US - 76 (Dawson St.)	Crosswalk Improvement	4	6	165	10	painted
BP - 754	SR - 1301 (Princess Place Dr.) and 30th. St.	Crosswalk Improvement	in-place	8	30	10	painted
BP - 765	10th St. & US - 76 (Wooster St.)	Crosswalk Improvement	4	6	165	10	painted
BP - 774	SR - 1409 (Military Cutoff Rd.) & Sir Tyler Dr.	Crosswalk Improvement	4	4	132	10	painted
BP - 775	SR - 1409 (Military Cutoff Rd.) & Destiny Way/Fresco Dr.	Crosswalk Improvement	4	4	132	10	painted
BP - 788	3rd St. & Brunswick St.	Crosswalk Improvement	in-place	In Place	in place	10	in-place
BP - 792	US - 17 BUS (Market St.) & SR - 2219 (N. Green Meadows Dr.)	Crosswalk Improvement	4	4	160	10	painted
BP - 795	SR - 2048 (Gordon Rd.) & SR - 2698 (Netherlands Dr.)	Crosswalk Improvement	4	4	160	10	
BP - 834	SR - 1539 (Ocean Ave.) & Island Greenway	Crosswalk Improvement		Not signalized	25	10	painted
BP - 838	US - 17 (Ocean Hwy E.) & Olde Waterford Way/SR - 1566 (Ploof Rd. SE)	Crosswalk Improvement	4	4	280	10	painted
BP - 839	US - 17 (Ocean Hwy E.) & W. Gate Dr./Grandiflora Dr.	Crosswalk Improvement	6	6	350	10	painted
BP - 842	US - 17 (Ocean Hwy E.) & SR - 1438 (Lanvale Rd. NE)/Provision Parkway	Crosswalk Improvement	12	12	584	10	painted
BP - 843	SR - 1573 (K Ave.) & US - 421 (Fort Fisher Blvd N.)	Crosswalk Improvement	9	8	260	10	painted
BP - 845	Harper Ave. & Canal Dr. Intersection Improvements	Crosswalk Improvement	2	2	in place	10	
BP - 846	St. Joseph St. & US - 421 (N. Lake Park Blvd.) Intersection Improvements	Crosswalk Improvement	in-place	Not signalized	40	10	painted

BP - 849	US - 421 (S. Lake Park Blvd.) and Driftwood Ln. Intersection Improvements	Crosswalk Improvement	2	Not signalized	40	10	painted
BP - 851	US - 421 (S. Lake Park Blvd.) & North Carolina Ave. Intersection Improvements	Crosswalk Improvement	2	Not signalized	40	10	painted
BP - 852	US - 421 (S. Lake Park Blvd.) & South Carolina Ave. Intersection Improvements	Crosswalk Improvement	2	Not signalized	40	10	painted
BP - 853	US - 421 (S. Lake Park Blvd.) & Texas Ave. Intersection Improvements	Crosswalk Improvement	2	Not signalized	40	10	painted
BP - 854	Harper Ave. & N. 7th St. Intersection Improvements	Crosswalk Improvement	2	Not signalized	40	10	painted
BP - 855	US - 421 (Carolina Beach Rd.) & Echo Farms Blvd./George Anderson Crossing Improvements	Crosswalk Improvement	12	8	500	10	painted

Ferry Proposed Projects Worksheet

STIP #	F - ID	Title	Project Type	Reference Plan	Column1
F-5705 Study Only	F - 3	New river class vessel (3rd)	Proposed Additional Vessel(s)	STIP Planning only	*Projects proposed for cost estimates in green
		Routes: Southport to Ft Fisher	Scope: additional vehicle ferry similar to current line		
Same as F-3	F - 10	New River class vessel Southport to Ft Fisher (4th ferry)	Proposed Additional Vessel(s)- same cost as F-3	2045 Public Comment	
		Routes: Southport to Ft Fisher	Scope: additional vehicle ferry similar to current line		
F-5707 Study Only	F - 2	Southport additional mooring facilities	Proposed Mooring Facility	STIP Planning only	
		Routes: Southport to Ft Fisher	Scope: additional mooring to include dolphins, ramps, gantries		
		Vessels: River Class Vessel			
Same F-2	F-22	Fort Fisher Mooring Facility	Proposed Mooring Facility	Modal Subcommittee	
		Routes: Fort Fisher to Soutport	Scope: new mooring location for passenger ferry (4th) and/or 3rd Ferry include ramps, gantries, stacking lanes		
		Vessels: Passenger Ferry (4th) and/or 3rd Ferry			
Bike Ped	BP-246	Multi-use path Fort Fisher landing to Aquarium	Proposed MUP on Fort Fisher Blvd	Modal Subcommittee	
		Scope: install crosswalk 2000+- ft of multi-use path along eastside of Fort Fisher BLVD to connect to Aquarium path			
Public Trans	F-23	Fort Fisher Parking Lot Enhancement for public transportation	Proposed transit stop and amenities at Fort Fisher Ferry landing	Modal Subcommittee	
		Scope: develop Fort Fisher Ferry landing to accommodate bus stop with turn-around, taxi/rideshare drop-off, and daily parking			
	F-24	Fort Fisher pedestrian improvements	Proposed sidewalk within Fort Fisher Ferry property	Modal Subcommittee	
		Scope: install 550-600 linear feet of sidewalk to facility entrance for connection to crosswalk and MUP/sidewalk on Fort Fisher BLVD			
Water Taxi Service with terminal, route, vessel, stops					
Terminal and Vessel	F - 6	Central Marina/Independence Ferry terminal	Proposed Ferry Terminal	2040 MTP (Not Included)	
		Routes: Downtown Wilmington to Carolina Beach	Scope: mooring facility to accommodate river class pedestrian ferry including dock and dolphins		
		Vessels: Passenger-only Ferry similar to BHI or Winner boat <150 passengers			
Stops F-6	F - 1	Carolina Beach ferry accessible slip/dock	Proposed Ferry stop	2040 MTP (Not Included)	
		Routes: Downtown Wilmington to Carolina Beach	Scope: enhance Muni dock for use as Ferry stop		
		Vessels: Passenger Ferry			
	F - 4	Wrightsville Beach ferry accessible dock enhancement	Proposed Ferry stop	2040 MTP (Not Included)	
		Routes: Carolina Beach to Wrightsville Beach	Scope: enhance CAMA access point for use as Ferry stop		
		Vessels: Passenger Ferry			
Route F-6	F - 5	Downtown Wilmington/Riverwalk Ferry Accessible Dock	Proposed Ferry stop	2040 MTP (Not Included)	
		Routes: Downtown Wilmington to Carolina Beach	Scope: shore power and ticket facilities		
		Vessels: Passenger Ferry			
	F - 16	Downtown Wilmington to Carolina Beach	Route: Downtown Wilmington to Carolina Beach	2040 MTP (Not Included)	
		Ridership: tourists <150 per trip/seasonal	Scope: Seasonal/tourist route from hotels to beach		
	F - 17	Central Marina to Downtown Wilmington	Route: Downtown Wilmington to Carolina Beach	2040 MTP (Not Included)	
	Ridership: tourists <150 per trip/seasonal	Scope: terminal facility connection to Downtown Wilmington			
	F - 18	Carolina Beach to Wrightsville Beach	Route: Downtown Wilmington to Carolina Beach	2040 MTP (Not Included)	
		Ridership: tourists <150 per trip/seasonal	Scope: seasonal stop added to route		



Rail Proposed Projects List				
FR - ID	RW-ID	Project Name	Reference Plan	Programming
FR - 7		<b>Freight Rail Connection Castle Hayne to Wallace</b>	2040 (Not Included)- Heavyrail/transit rail	<a href="https://connect.ncdot.gov/resources/Rail-Division-Resources/Documents/Eastern%20Infrastructure%20Improvement%20Study%20Part%202.pdf">https://connect.ncdot.gov/resources/Rail-Division-Resources/Documents/Eastern%20Infrastructure%20Improvement%20Study%20Part%202.pdf</a>
		Limits: 27 miles preserved railroad corridor	Scope: Replace and connect track	Existing: preserved rail corridor (NCDOT)
FR - 12	RW-65	<b>Front Street RR Signals (Meares)</b>	2040 (Included)	may be included under RW- 65
		Limits: Mears access to Front St	Scope: Modern safety standards	Existing: crossbuck signs
FR - 13	RW-65	<b>Front Street RR Signals (Marstellar)</b>	2040 (Included)	may be included under RW- 65
		Limits: Marstellar access to Front St	Scope: Modern safety standards	Existing: crossbuck signs
FR - 14	RW-65	<b>Front Street RR Signals (Kidder)</b>	2040 (Included)	may be included under RW- 65
		Limits: Hess Terminal Road (across from Kidder)	Scope: Modern safety standards	Existing: crossbuck signs
FR - 15		<b>US421 RR crossing safety improvements</b>	2040 (Included)	
		Limits: Fleming St to Sutton Steam Plant Rd	Scope: RR gates	Existing: Overhead and side warning lights
FR - 16	RW-211	<b>NC Port of Wilmington rail crossing (south gate)</b>	2040 (Not Included)	NC DOT Study
		Limits: Shipyard Blvd and River Road	Scope:	Existing: at-grade crossing with major intersection
FR - 17	RW-210	<b>NC Port of Wilmington rail crossing (north gate)</b>	2040 (Not Included)	NC DOT Study
		Limits: Burnett Blvd and Myers Road	Scope: Grade separation	Existing: at-grade crossing with major intersection
FR - 18		<b>Rail Realignment</b>	2040 (Not Included) Special funding needed	<a href="https://www.wmpo.org/wp-content/uploads/2017/04/WRR-Feasibility-Study_20170602_Final.pdf">https://www.wmpo.org/wp-content/uploads/2017/04/WRR-Feasibility-Study_20170602_Final.pdf</a>
		Limits: Port access to Davis Yard	Scope: New bridge and track alignment	Feasibility Study
FR - 19		<b>Use of rail line in Wilmington</b>	2045 Public Input	<a href="https://www.wmpo.org/wp-content/uploads/2017/04/WRR-Feasibility-Study_20170602_Final.pdf">https://www.wmpo.org/wp-content/uploads/2017/04/WRR-Feasibility-Study_20170602_Final.pdf</a>
		Limits: existing Rail Corridor (Front St to McRae St)	Scope: Acquire rail ROW for transit	Rail Realignment Feasibility Study
FR-21		<b>Rail Extension to Pender Commerce Park</b>	2040 (Included)	<a href="https://wilmingtonbusinessdevelopment.com/properties/pender-commerce-park-pender/">https://wilmingtonbusinessdevelopment.com/properties/pender-commerce-park-pender/</a>
		Limits: Invista to Pender Commerce Park	Scope: New track in new location	Existing: Spur crosses 421 to Invista
FR-22		<b>Safety Improvements Cedar Hill Rd</b>	2045 Public Input- Heavyrail	adjacent intersection under RW-164
		Limits: NB and SB north of Quality Dr/N. Navassa Rd	Scope: Modern safety standards	Existing: side warning lights
FR-23		<b>Rail Connection Malmo/Leland to Whiteville</b>	2045 Public Input- Heavyrail	
		Limits: Malmo Loop Rd to Hood Creek (WMPO boundary)	Scope: New track in new location	Existing: Spur track and DOD MOTSU track

2045\_ProposedRailProjectsScopes

FR-24		<b>Rail Interchange redesign near Northwest District Park</b>	2045 Public Input- Heavyrail	
		Limits: Old Fayetteville Rd to Lanvale Rd	Scope: Realign track/direct turn	Existing: Spur to Malmo used for turnaround

Public Transportation Projects

PT - ID	Project	Type	Reference Plan	Comments	Description2
154	wifi on buses	Amenity Upgrades	2045 Public Input	add wifi to buses to promote choice ridership	wifi system on community routes
137	Shelter needed.	Amenity Upgrades	2045 Public Input	Create a shelter for public transportation customers at the intersection of Carolina Beach and Golden Rd.	Create a shelter for public transportation customers at the intersection of Carolina Beach and Golden Rd.
10	Princess Place Dr at Montgomery Ave	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
11	Princess Place Dr at N 25th St	Amenity Upgrades	2045 MTP (Included)	bench	bench
12	Nixon St & N 8th St	Amenity Upgrades	2045 MTP (Included)	bench (check)	bench (check)
13	Nixon St at N 5th St	Amenity Upgrades	2045 MTP (Included)	bench	bench
15	Market St & Kerr Ave	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
16	Market St at Lullwater Dr	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
17	Sigmon Rd at Walmart (Wilmington)	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
18	S College Rd (SB) at University Dr	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
19	S College Rd at Wilshire Blvd	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
20	Oleander Dr at Whole Foods	Amenity Upgrades	2045 MTP (Included)	bench, trash, bike	bench, trash, bike
21	Oleander Dr at Hawthorne Dr	Amenity Upgrades	2045 MTP (Included)	bench, trash, bike	bench, trash, bike
22	Oleander Dr at Giles Ave	Amenity Upgrades	2045 MTP (Included)	bench, trash, bike	bench, trash, bike
25	S College Rd (NB) at University Dr	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
26	NHC Gvt Center at Government Center Dr	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
27	S College & Randall Pkwy	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
28	Randall Pkwy at Brailsford Dr	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
29	Market St at Covil Ave	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
30	New Centre Dr at Bob King Buick	Amenity Upgrades	2045 MTP (Included)	bench, trash, bike	bench, trash, bike
31	Eastwood Rd at Rogersville Rd	Amenity Upgrades	2045 MTP (Included)	bench, trash, bike	bench, trash, bike
32	Wrightsville Avenue at Jones Rd	Amenity Upgrades	2045 MTP (Included)	bench, trash, bike	bench, trash, bike
33	Military Cutoff Rd at Old Macumber Station Rd	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
34	Gordon Rd at Food Lion	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
35	S 16th St at Wright St	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
36	S 17th St at Glen Meade Rd	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
37	Shipyard Boulevard at Commons Dr	Amenity Upgrades	2045 MTP (Included)	bench, trash, bike	bench, trash, bike
38	Independence Blvd at Canterbury Dr	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
39	Independence Blvd (Independence mall transfer station)	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
40	Independence Blvd at Park Ave	Amenity Upgrades	2045 MTP (Included)	bench, trash, bike	bench, trash, bike
41	Wilshire Blvd at Berkshires at Pelican Cove	Amenity Upgrades	2045 MTP (Included)	bench, trash, bike	bench, trash, bike
42	Wilshire Blvd at S Kerr Ave	Amenity Upgrades	2045 MTP (Included)	bench, trash, bike	bench, trash, bike
44	Carolina Beach Rd at Roses	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
45	Marion Dr at Rutledge Dr	Amenity Upgrades	2045 MTP (Included)	bench, trash, bike	bench, trash, bike
47	Market St at N 16th St	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
48	Carolina Beach Rd at Southern Blvd	Amenity Upgrades	2045 MTP (Included)	bench, trash, bike	bench, trash, bike
49	Carolina Beach Rd at Independence Blvd	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
50	Carolina Beach Rd at Silva Terra Dr	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
53	Carolina Beach Rd at Tennessee Ave (BoA)	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
55	Main St at Church St (Navassa)	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
56	Mount Misery Rd at Food Lion	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
57	Village Rd & S Navassa Rd	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
58	West Gate Dr at Walmart (Leland)	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
59	N Front St Harnett St	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
62	Carl Winner Ave at Carolina Beach Ave N	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
64	S 5th St at Castle St	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
65	Dawson St at 9th St	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
66	Lake Ave at S College Rd	Amenity Upgrades	2045 MTP (Included)	bench, trash, bike	bench, trash, bike
67	Shipyard Blvd at S 41st St	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
70	5th St at Ann St	Amenity Upgrades	2045 MTP (Included)	bench, trash, bike	bench, trash, bike
73	S 5th St at Dawson St	Amenity Upgrades	2045 MTP (Included)	bench, trash, bike	bench, trash, bike
74	S 10th St at Meares St	Amenity Upgrades	2045 MTP (Included)	bench, trash, bike	bench, trash, bike
75	Cypress Grove Dr at Doctors Cir	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
76	Medical Center Dr at Delaney Radiologists	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
77	Wellington Ave at Silver Stream Ln	Amenity Upgrades	2045 MTP (Included)	bench, trash, bike	bench, trash, bike
78	Wellington Ave at Troy Dr	Amenity Upgrades	2045 MTP (Included)	bench, trash, bike	bench, trash, bike
79	Wellington Ave at Flint Dr	Amenity Upgrades	2045 MTP (Included)	bench, trash, bike	bench, trash, bike
80	Greenfield St at S 13th St	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
87	Rankin St at 11th St	Amenity Upgrades	2045 MTP (Not Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
88	16th St at Kidder St	Amenity Upgrades	2045 MTP (Included)	bench, trash, bike	bench, trash, bike
90	Wellington at 17th St	Amenity Upgrades	2045 MTP (Included)	bench, trash, bike	bench, trash, bike
91	Village Road at Food Lion	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
92	N Lake Park Blvd at Town Hall	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
94	17th St at Food Lion Plaza	Amenity Upgrades	2045 MTP (Included)	shelter, bench, trash, bike	shelter, bench, trash, bike
97	Front St at Ann St	Amenity Upgrades	2045 MTP (Included)	bench, trash, bike	bench, trash, bike
154	solar lights at bus stops	Amenity Upgrades	2045 Public Input	upgrade 50% of shelters to solar powered lights, improve safety and visibility. Locations identified as needing lighting	costs of solar lights amenity at 50 percent of upgraded shelters identified in this list

82	Wilmington Multimodal Transportation Center	Facility	WMPO STBGP-DA AND TASA-DA PROJECTS	In Design	2.5 million, being constructed
142	automatic passenger counter (APC)	Facility	Wave LRTP	Easier to collect ridership data by both trip and bus stop, allow for "more robust reporting of ridership data"	APC system on each bus and software to process data
145	Modern Fare Collection Service	Facility	2045 Public Input	modern fare collection services could reduce delays, offer mobile fare collection, and allow for quicker boarding	AFC using RIFD/ Smart Card
98	Carolina Beach Rd at Snow's Cut Bridge	Park and Ride	2040 MTP (Included)	ten parking spaces (existing), ten signs for park and ride, directional sign to park and ride	Existing Parking available (10 spaces min), signage and service need to be added
99	Carolina Beach Rd at S College Rd	Park and Ride	2040 MTP (Included)		Existing Parking available (10 spaces min), signage and service need to be added
100	I-40 at Cape Fear Community College N Campus	Park and Ride	2040 MTP (Included)		Existing Parking available (10 spaces min), signage and service need to be added
101	I-40 at Holly Shelter Rd	Park and Ride	2040 MTP (Included)		No existing Parking available, potential future development, signage and service would need to be added
102	Market St at Middle Sound Loop Rd	Park and Ride	2040 MTP (Included)		Existing Parking available (10 spaces min), signage and service need to be added
103	Market St at Porters Neck Rd	Park and Ride	2040 MTP (Included)		Existing Parking available (10 spaces min), signage and service need to be added
104	US17 at Walmart	Park and Ride	2040 MTP (Included)		Existing Parking available (10 spaces min), signage and service need to be added
105	US17 at Island Creek Rd (NC210)	Park and Ride	2040 MTP (Included)		Existing Parking available (10 spaces min), signage and service need to be added
106	US17/74/76 at River Rd (NC133) - Belville	Park and Ride	2040 MTP (Included)	At Riverwalk park potentially	No existing Parking available, potential future development, signage and service would need to be added
107	WAVE Central Station - Forden Station	Park and Ride	2040 MTP (Included)	additional parking would be required	Not enough existing Parking available, potential future development, signage and service would need to be added
109	I-140 at US74/76	Park and Ride	2040 MTP (Included)	good location	Existing Parking available (10 spaces min), signage and service need to be added
112	I-140 at US17	Park and Ride	2040 MTP (Included)	potential, near residential	No existing Parking available, potential future development, signage and service would need to be added
114	US17 at Sidbury Rd	Park and Ride	2040 MTP (Included)		Existing Parking available (10 spaces min), signage and service need to be added
116	US421 at Cowpens Landing Rd	Park and Ride	2040 MTP (Included)		No existing Parking available, potential future development, signage and service would need to be added
118	Galleria Mall	Park and Ride	2040 MTP (Included)		Existing Parking available (10 spaces min), signage and service need to be added
119	Mayfaire Mall	Park and Ride	2040 MTP (Included)		Existing Parking available (10 spaces min), signage and service need to be added
120	Barclay West	Park and Ride	2040 MTP (Included)		Existing Parking available (10 spaces min), signage and service need to be added
121	Fairfield Park	Park and Ride	2040 MTP (Included)		Existing Parking available (10 spaces min), signage and service need to be added
122	Terminus of Independence Boulevard	Park and Ride	2040 MTP (Included)		Existing Parking available (10 spaces min), signage and service need to be added
123	Leland Town Hall	Park and Ride	2040 MTP (Included)		Existing Parking available (10 spaces min), signage and service need to be added
132	Satellite beach parking with bus station hub	Park and Ride	2045 Public Input	Public parking area for satellite parking to access Wrightsville Beach with a trolley bus that runs a loop back and forth to the beach.	No existing Parking available, potential future development, signage and service would need to be added
139	Light Rail	Rail	2045 Public Input	A light rail to connect the lower part of the county, Southport or Shallotte TBD, with Wilmington. One advantage of a Rt 17 path would be a line in the highway median.	light rail from multi modal center to WMPO boundary along US-17, approximately 13 miles
1	Light Rail	Rail	2045 Public Comment	Light rail on market street...someday? Connect downtown Wilm with shopping, UNCW	light rail from multimodal transit center (downtown) to UNCW, approximately 4.4 miles
7	Light Rail system from Downtown to ILM	Rail	2045 Public Comment	I think a light rail system from ILM to either downtown or one of the beaches would not only alleviate traffic but be super convenient.	light rail from multimodal transit center (downtown) to ILM, approximately 3.2 miles
143	Rail Realignment Part A	Rail	2045 Public Input	Rail Realignment across River to ease traffic congestion and make it easier to move around the city without as many cars, while also accommodating expected growth and truck traffic at the Port of Wilmington.	Rail Realignment Feasibility Study pg 18-21
144	Rail Realignment Part B (Alternative 1)	Rail	2045 Public Input	repurposing the existing rail for a greenway and possible trolley line, incentivize major new investments in underutilized properties adjoining the rail.	(Total Route 8.44 miles) see Appendix A-16 in Rail Realignment feasibility study, Technical Report K p. 22
156	Rail Realignment Part B (Alternative 3)	Rail	2046 Public Input	repurposing the existing rail for a greenway and possible trolley line, incentivize major new investments in underutilized properties adjoining the rail.	(Total Route 6.66 miles) see Appendix A-18 in Rail Realignment feasibility study, Technical Report K p. 24
157	Rail Realignment Part B (Alternative 5)	Rail	2047 Public Input	repurposing the existing rail for a greenway and possible trolley line, incentivize major new investments in underutilized properties adjoining the rail.	(Total Route 10.04 miles) see Appendix A-20 in Rail Realignment feasibility study, Technical Report K p. 26
5	Route 302 Masonboro loop rd. hourly service (Mon-Sat 6-9, Sun 9-6) heavy duty bus	Route	2045 Public Comment	Bus needed from Oleander @ WB to Monkey Junction	additional bus for hourly service, operational costs
8	Route 112 Porters Neck (Mon-Sat 6-9, Sun 9-6) heavy duty bus	Route	2040 MTP (Included)	From College Rd to Walmart	additional bus for new route, operational costs
9	Route 104, 30 minute frequency	Route	2040 MTP (Included)	From Downtown Wilmington to Mayfaire Shopping center	additional bus for increased frequency, operational costs
124	Wrightsville Beach on Demand (shuttle route) \$200,000 operation cost	Route	2045 Public Input	I want to visit Wrightsville Beach more often but there is never any parking available. Being from the western side of the city, it would be better to take public transportation to save on parking spaces and traffic to and from the beach.	2 or 3 shuttle buses, operational costs
135	Extend trolley service frequency	Route	2045 Public Input	Extend trolley service - also add a trolley. CNG trolleys	2 additional trolleys for more frequency, operational costs
140	Public Transportation to and from the Ferry	Route	2045 Public Input	To reduce the number of vehicles on the ferry, if transportation was provided to local areas such as the NC Aquarium at Fort Fisher, and downtown Kure Beach, people could walk onto the ferry and not have to worry about taking their car on.	1 trolley for carolina beach to fort fisher, operational costs
146	Route 301 hourly frequency	Route	Wave SRTP	improve weekday and Saturday frequency on Route 301 from every 3 hours to hourly	additional bus for increased frequency, operational costs
147	Rush hour service on high ridership routes 8-11am and 3-5pm(105,108, 201, 205)	Route	Wave SRTP	30 minute headway on high ridership routes	up to 4 additional busses for increased frequency, operational costs
148	earlier weekday service on high ridership routes (105, 108, 201, 205)	Route	Wave SRTP	earlier service may capture more riders looking to commute	additional hours, operational costs, no new buses potentially
149	Upgrade route 107 to hourly to align with route 301	Route	Wave SRTP	Upgrade route 107 to hourly to align with route 301	additional frequency, operational costs, no new buses potentially
150	Route 204 extended service to 9pm and weekends	Route	Wave SRTP	greater flexibility for commuters	additional frequency, operational costs, no new buses potentially
151	Pleasure Island Trolley, with bus stop at ferry, and amenities	Route	2045 Public Input	Carolina Beach Town Hall to Aquarium (Seasonal) every 30	additional trolley, operational costs
152	Service To River Lights development	Route	2045 Public Input	new potential for route	additional bus for new route, operational costs
153	Creekwood on Demand Service off peak hours	Route	Wave SRTP	off peak hour on demand service	additional hours, operational costs, no new buses potentially
126	Bus Stop at Market St. Walmart	Route	2045 Public Input	Bus stop at the Bayshore commons to provide better access to the Walmart Shopping Center	increase route distance, operational costs,
155	military cutoff rd high density local route	Route	2045 Public Input	local route within mayfair to allow transportation to local stores through local roads	additional route, operational costs, not full sized

125	Trolley replacements	Vehicle Update	2045 Public Input	How about a natural gas-fueled trolley? The current one blows out a lot of smelly exhaust.	2 trolleys planned up to 6 total by 2025 based on replacements and expansion of routes
136	Electric Bus investment	Vehicle Update	2045 Public Input	Start investing in Electric Buses Now!	replace community buses with electric buses at end of lifecycle. Potentially 37 vehicles over 25 years

**Roadway Segments**

Project #	Roadway Project Name	Project Type	Reference Plan	From	To	Road Type	Segment Length (Ft)	Reference Cross Section	Number of New/Upgraded Lanes	Number of total lanes	Lane Width (Ft)	Median Width (Ft)	MUP (Width in Ft, if applicable)	Sidewalk (Width in Ft, if applicable)	Bike Lane (Width in Ft, if applicable)	Crosswalk (Width in Ft, if applicable)	Crosswalk (Type, painted or stamped, if applicable)	Interchange/Access needed (Y/N)	Special Consideration
RW - 1	US 17/76/Bradley Creek Bridge Replacement	Bridge Replacement/Road Widening	2045 Public Input	Bar Harbor Dr	Boathouse Rd	Principal Arterial	1040	4 lane bridge section with multi-use path	4	4	12		10						
RW - 3	NC 133 Extension w/ I-40 with interchange	Road Extension/Interstate Interchange	2045 Public Input	133	I-40	Minor Collector	1321	2A Roadway	2	2	12							Y	Access needed
RW - 5	US 74/76/Heide Trask Bridge Replacement	High Rise Bridge Replacement/Road Improvement	2045 Public Input	Airlie Rd	Causeway Dr	Principal Arterial	850	4 lane bridge section with multi-use path	4	4	12		10						High Rise Bridge
RW - 6	SR 1569/Hoover Road Widening	Road Widening	2045 Public Input	US 17	Stacey Greg Rd	Minor Collector	5200	Pender County Plan Group 2 with sidepath	2	2	12		10						
RW - 7	SR 1438/Lanvale Road NE Widening	Road Widening	2045 Public Input	US 17	US 76	Minor Arterial	20000	4D Roadway	2	4	12	23	10						
RW - 8	SR 1002/Holly Shelter Road to SR 1572/Sidbury Road Connection	New Road on New Location	2045 Public Input	Sidbury Rd	Holly Shelter	Minor Collector	11300	2A Roadway	2	2	12							Y	
RW - 10	New Centre Drive Extension	New Road on New Location	2045 Public Input	New Centre Dr Terminus	Clear Run Dr	local	240	2E Roadway	2	2	11				5	5			
RW - 13	Godfrey Creek Road Extension	New Road on New Location	2045 Public Input	Godfrey Creek	Saint Johns Church Rd	Minor Collector	8380	2B Roadway	2	2	11								
RW - 16	SR 1492/Myrtle Grove Road Widening	Road Widening	2045 Public Input	Masonboro Loop Rd.	US 421/Carolina Beach Road	Minor Arterial	18480	4F Roadway	2	4	12'/14'	17.5	10						
RW - 17	US 17/76/Oleander Drive Access Management	Access Management Improvements	2045 Public Input	Dawson St	Military Cutoff	Principal Arterial	27,456	4D Roadway	0	4	11	23			5	5			
RW - 18	SR 1561/Sloop Point Road Widening	Road Widening	2045 Public Input	US 17	Sloop Point Rd.	Minor Collector	14,700	Pender County Plan Group 3 (no median)	2	2	12		10						limited shoulder availability due to waterbodies
RW - 20	US 17/74/76/Causeway Improvements Phase 2	Road Widening	2045 MTP	Hwy 421	Hwy 74/76/US17 split	Freeway	10,929	6A Roadway (this cross section with 8 lanes instead of 6)	2	8	12	48	10						3 bridges 3 lane
RW - 22	NC 87/US 17 S Overpass and Interchange at Zion Church Road	US 17 Overpass and Interchange	2045 MTP	NC 87	Zion Church Rd	Major Collector	1,200	Interchange	2	2	12								bridge
RW - 23	SR 1572/Sidbury Road Widening	Road Widening	2045 MTP	Blue Clay Rd	US 17	Minor Collector	38,200	Pender County Plan Group 2 with sidewalks and bike lanes	2	2	12				5	5			
RW - 24	SR 1002/Holly Shelter Road Widening	Road Widening	2045 MTP	I 40	NC 210	Minor Collector	36,801	Pender County Plan Group 2 with sidepath	2	2	12		10						
RW - 25	SR 1521/Piner Road Improvements and Intersection Realignment	Road Widening and Intersection Realignments	2045 MTP	S. College Rd	Myrtle Grove Rd	Minor Arterial	5,491	4F Roadway	2	4	12	17	10						sidewalk for school and church
RW - 26	Blue Clay Road Widening	Road Widening	2045 MTP	N Kerr Ave	US 117	Minor Arterial	6,900	2A Roadway	2	2	12					5			5' shoulder addition
RW - 29	Center Drive Extension Segment 1	New Road on New Location	Pender County Collector Street Plan	Washington Acres Rd	About 600' east of US 17 along whitebridge Rd	Local	4,100	Pender County Plan Group 4 (no median)	2	2	12				5	5			
RW - 30	Center Drive Extension Segment 2	New Road on New Location	Pender County Collector Street Plan	About 600' east of US 17 along Whitebridge Road	A point 800' east of us 17 near Lark Lane	Local	9,100	Pender County Plan Group 4 (no median)	2	2	12				5	5			
RW - 31	Center Drive Extension Segment 3	New Road on New Location	Pender County Collector Street Plan	Roughly 800' east of US 17 near Lark Lane	Roughly 1,000' east of US 17 along Scotts Hill Lopp Road	Local	3,300	Pender County Plan Group 3 (sidewalks)	2	2	12				5	5			
RW - 35	Harrison Creek Road Extension Segment 3	New Road on New Location	Pender County Collector Street Plan	An extension of Holliday Dr	Realigned intersection of US 17 and Washington Acres Rd (per U-5732 Hampstead Median Project)	Local	12,000	Pender County Plan Group 4 (no median)	2	2	12				5	5			
RW - 41	US74/76 Upgrade	Upgrade to Interstate Standards/Access Management	2040 MTP (Included)	SR 1426/Mt Misery Road	WMPO Boundary	Freeway/Principal Arterial	40,000	4A Roadway	0	4	12	46							Requires interchanges and controlled access
RW - 42	US 17 Superstreet (Brunswick County)	Access Management Improvements	2040 MTP (Not Included)	Carol Lynn Rd.	WMPO Boundary	Principal Arterial	36,400	Super Street	0	4	12	46							at grade intersection improvements
RW - 51	NC 133/River Road Widening	Road Widening	2040 MTP (Included)	US17/74/76	Rabon Way SE	Principal Arterial	21,964	4F Roadway	2	4	11	23	10						
RW - 55	River Road Realignment	New Road on New Location	2040 MTP (Not Included)	US421/Burnett Boulevard	River Road	Minor Arterial	4,646	2A Roadway	0	2	12								
RW - 57	Plantation Road Extension	New Road on New Location	2040 MTP (Not Included)	Military Cutoff Road Extension	US17BUS/Market Street	Local	13,200	2D Roadway	2	2	11		10						based on new center DR
RW - 60	US 17 Superstreet (Hampstead)	Access Management Improvements	2040 MTP (Not Included)	Sloop Point Road	WMPO Boundary	Principal Arterial	32,896	Super Street/4CRoadway	4	4	12'/14'	38				5			U-5732
RW - 61	SR 1100/River Road Widening	Road Widening	2040 MTP (Included)	Independence Boulevard	US 421 (CBR)	Minor Arterial	32,434	4F Roadway	2	4	12	23	10						
RW - 73	SR 1472/Village Road Widening	Road Widening	2040 MTP (Not Included)	Old Fayetteville Road	Lanvale Road	Minor Arterial	18,321	4G Roadway	2	4	11	17.5			5	5			based on road near DDI
RW - 76	Blueberry Road Widening	Road Widening	2040 MTP (Not Included)	US 421	NC 210	Local	15,700	Pender County Plan Group 2 (sidepath)	2	2	12		10						
RW - 77	Basin Street Extension	New Road on New Location	2040 MTP (Not Included)	Old Fayetteville Road	Village Road	Local	3,400	2E Roadway	2	2	11				5	5			sidewalks because near school
RW - 78	Old Fayetteville Road NE Widening	Road Widening	2040 MTP (Included)	Village Road	US74/76/Andrew Jackson Highway	Major Collector	7,920	2D Roadway	2	2	11		10						seems like 3 lane because of bridge bike/ped stuff for school

RW - 83	Dogwood Lane Extension	New Road on New Location	2040 MTP (Not Included)	Wrightsville Avenue	Pine Grove Drive	Local	9,600	2E Roadway/ bridge to match	2	2	11			5	5			1 bridge included
RW - 92	US 17/76/Dawson Street Streetscape Improvements	Streetscape Improvements	2040 MTP (Included)	US17BUS/South 3rd Street	US76/Oleander Drive	Principal Arterial	5,900	one way street	0	4	12			5	5			streetscape/see details in dawson wooster corridor study
RW - 93	US 17/76/Wooster Street Streetscape Improvements	Streetscape Improvements	2040 MTP (Included)	US17BUS/South 3rd Street	US76/Oleander Drive	Principal Arterial	5,300	one way street	0	4	12			5	5			streetscape/see details in dawson wooster corridor study
RW - 94	US 117/NC 133/Castle Hayne Road Streetscape Improvements	Streetscape Improvements	2040 MTP (Included)	NE Cape Fear River	US 117/NC 132/College Rd.	Minor Arterial	5,880	2K Roadway	0	2	12	17.5		5				See NCDOT Complete Street typical
RW - 97	NC 210 Widening	Road Widening	2040 MTP (Included)	WMPO Boundary	US 17	Minor Arterial	31,468	4F Roadway	2	4	12	17.5		5				4 lane because connecting to bypass
RW - 99	Murrayville Road Widening and Extension	Road Widening and New Road on New Location	2040 MTP (Not Included)	US 117/NC 132/College Rd.	US 17	Minor Collector	24,000	2D Roadway	2	2	11		10					Bridge over I-40 and eastern section is not developed
RW - 102	Greenville Loop Road Widening	Road Widening	2040 MTP (Not Included)	Pine Grove Drive	US76/Oleander Drive	Major Collector	15,000	4F Roadway	2	4	12	23	10					4 lanes and sidewalks for school
RW - 106	US 17 to NC 133 Connector Road	New Road on New Location	2040 MTP (Included)	US17	NC133	Minor Arterial	17,371	2D Roadway	2	2	11		10					potential to be good collector st
RW - 115	Internal Port Access Road	New Road on New Location	2040 MTP (Not Included)	Greenfield Street	Shipyards Boulevard	Local	4,750	2A Roadway	2	2	12							just 2 lanes for the port
RW - 117	SR 1100/River Road Realignment	New Road on New Location	2040 MTP (Not Included)	Independence Boulevard	Raleigh Street	Minor Arterial	1,800	2A Roadway	2	2	12				5			
RW - 123	Burnett Boulevard Widening	Road Widening	2040 MTP (Included)	US421/Carolina Beach Road	Myers Street	Major Collector	2,100	3A Roadway	1	3	11							3 lanes to help with turns - this will provide stacking 2 lanes SW and 1 lane NE
RW - 124	US 117/Shipyard Boulevard Speed Sensors and Warning System	Electronics/Sensor System	2040 MTP (Included)	US421/Carolina Beach Road	River Road	Principal Arterial	4,300	safety improvements	0	4								speed sensors
RW - 127	US 76/Cape Fear Memorial Bridge Replacement	Bridge Replacement/Road Widening	2040 MTP (Not Included)	3rd Street	US421	Freeway	3,800	requires bridge section for freeway classification	4	8	12		10					
RW - 212	Burnett Boulevard Realignment	New Road on New Location	2045 MTP	Southern Blvd	River Road	Major Collector	11,000	2A Roadway	2	2	12							Realignment should follow existing rights of way where possible. Intent is to separate truck traffic from NC Ports from local traffic.
RW - 215	Kerr Avenue Extension II	New Road on New Location	2045 MTP	US 76 (Oleander Blvd.)	US 421 (CBR)	Principal Arterial	24,000	4D Roadway	4	4	11	23		5	5			Requires right of way acquisition in residential areas
RW - 217	SR 1492/Masonboro Loop Road Widening	Road Widening	2045 MTP	Grissom	Pine Grove Drive	Minor Arterial	18,500	4F Roadway	2	4	12'/14'	17.5	10					
RW - 218	Shipyards Boulevard Extension	New Road on New Location	2045 MTP	South College Rd.	Oleander Blvd.	Principal Arterial	4,400	4F Roadway	2	4	12'/14'	17.5	10					Improve Long Leaf Hills Dr. and extend to Oleander Blvd.

**Roadway Intersections**

Project #	Roadway Project Name	Project Type	Reference Plan	# of Lanes per approach				Realignment (Y/N)	Grade Separated (Y/N)	Lane Width (Ft)	Sidewalk (Width in Ft, if applicable)	Bike Lane (Width in Ft, if applicable)	Crosswalk (Width in Ft, if applicable)	Crosswalk (Type, painted or stamped, if applicable)	comments
				NB	SB	EB	WB								
RW - 136	NC 210 and NC 133	Intersection Improvement	2045 Public Input	1	1	2	2	Y	N	12					
RW - 137	US 117 and NC 210	Intersection Improvement	2045 Public Input	3	3	2	2	Y	N	12			10'	painted	
RW - 129	Navaho Trail and Masonboro Loop Rd. Roundabout (northern intersection)	Roundabout	2045 MTP	3	3	3	0	N	N	12					roundabout
RW - 141	Myrtle Grove/Piner/Masonboro Loop Rd Roundabout	Roundabouts (3)	2045 Public Input	0	1	1	1	Y	N	12					three roundabout at piner grissom and myrtle grove road
RW - 142	US 117/NC132/College Rd and Wrightsville Avenue	Intersection Improvement	2045 Public Input	2	4	3	2	N	N	12			10'	painted	
RW - 160	Lanvale Road and Old Fayetteville Road Intersection Improvements	Signalize Intersection	2045 Public Input	3	3	2	2	N	N	12					Signalize intersection.
RW - 166	Sidbury Road/Hampstead Bypass Interchange	New Interchange	2045 MTP	2	2	1	1	N	Y	12					hampstead bypass project interchange
RW - 175	NC210 & Island Creek Road Intersection	Intersection Improvement	2040 MTP (Not Included)	0	1	1	1	Y	N	12			10'	painted	
RW - 176	Old Fayetteville Road Interchange	New Interchange	2040 MTP (Included)	2	2	1	1	N	Y	12					already grade seperated add ramps to get on
RW - 181	Blue Clay Road Interchange	New Interchange	2040 MTP (Not Included)	1	1	2	2	N	Y	12					already grade seperated add ramps to get on
RW - 186	US17BUS/ & US17 Intersection	Interchange Improvements	2040 MTP (Not Included)										10'	painted	
RW - 191	Mohican Trail & Masonboro Loop Rd Roundabout	Roundabout	2040 MTP (Not Included)	1	1	0	1	Y	N	12			10'	painted	roundabout
RW - 192	Navaho Trail and Masonboro Loop Rd. Roundabout (southern intersection)	Roundabout	2045 Public Input	2	2	2	0	N	N	10			10'	painted	roundabout
RW - 202	Salisbury Street & Causeway Drive Roundabout	Roundabout	2040 MTP (Not Included)	0	0	1	1	Y	N	12			10'	painted	roundabout
RW - 203	US74/Salisbury Street & Lumina Avenue Roundabout	Roundabout	2040 MTP (Not Included)	2	2	3	3	N	N	12	5'		10'	painted	roundabout
RW - 213	Waynick/Lumina/Causeway	Intersection Improvement	2045 Public Input	4	3	4	2	y	N	10					Needs study to determine best design based on limited right of way.
RW - 214	Airlie Dr./Eastwood Rd. Intersection Improvements	Intersection Improvement	2045 Public Input	1	0	2	2	Maybe	N	11			5'	painted	Needs study to determine best design based on limited right of way and existing alignment.
RW - 216	Signal Ethernet improvements	Technology Improvement	2045 Public Input												Up-grade existing signals with digital interface.