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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.

Technical Coordinating Committee Meeting Agenda

TO: Technical Coordinating Committee Members
FROM: Mike Kozlosky, Executive Director
DATE: January 11, 2019
SUBJECT: January 16th meeting

A meeting of the Wilmington Urban Area MPO's Technical Coordinating Committee will be held on Wednesday, January 16, 2018 at 10 am. The meeting will be held in the New Hanover County Library, Harnett Room located at 201 North 3rd Street in downtown Wilmington.

The following is the agenda for the meeting:

- 1) Call to Order
- 2) Approval of the Agenda
- 3) Election of Officers
- 4) Presentations
 - a. Wilmington Urban Area MPO 2045 Travel Demand Model- Nazia Sarder, NCDOT
 - b. Cape Fear Public Transportation Authority's Short-range Transit Plan- Albert Eby, CFPTA
 - c. North Carolina Department of Transportation Project Development and Merger Process- Trace Howell, NCDOT
- 5) Consent Agenda
 - a. Approval of TCC Meeting Minutes- November 14, 2018
 - b. Resolution adopting WAVE Transit's Short-range Transit Plan
 - c. Resolution approving 2018-2027 STIP/MPO TIP Administrative Modification #18-9
- 6) Regular Agenda
 - a. Resolution approving the Cape Fear Moving Forward 2045 Proposed Modal Project Lists for Aviation, Ferry and Water Transportation, Freight Rail, Public Transportation, and Roadway
- 7) Discussion
 - a. Draft FY 20 Unified Planning Work Program
 - b. TASA Call for Projects
 - c. Wilmington Urban Area MPO 2019 Legislative Agenda
 - d. 2018-2027 STIP/MPO TIP Administrative Modification #19-1
 - e. Draft 2020-2029 State/Metropolitan Transportation Improvement Program

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

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- 8) Updates
 - a. Crossing over the Cape Fear River
 - b. Wilmington Urban Area MPO
 - c. Wilmington Rail Re-alignment
 - e. Cape Fear Public Transportation Authority
 - f. NCDOT Division
 - g. NCDOT Transportation Planning Division
 - 9) Announcements
 - a. Bike/Pedestrian Committee Meeting- February 12th
 - 10) Next meeting- February 13, 2019

Attachments:

- TCC Meeting Minutes- November 14, 2018
- <https://www.wavetransit.com/short-range-transit-plan/>
- Resolution adopting WAVE Transit's Short-range Transit Plan
- Proposed 2018-2027 STIP/MPO TIP Administrative Modification #18-9
- Resolution approving 2018-2027 STIP/MPO TIP Administrative Modification #18-9
- Draft Cape Fear Moving Forward 2045 Proposed Modal Project Lists for Aviation, Ferry and Water Transportation, Freight Rail, Public Transportation, and Roadway
- Resolution approving the Cape Fear Moving Forward 2045 Proposed Modal Project Lists for Aviation, Ferry and Water Transportation, Freight Rail, Public Transportation, and Roadway
- Draft FY 20 Unified Planning Work Program
- Draft Wilmington Urban Area MPO 2019 Legislative Agenda
- 2018-2027 STIP/MPO TIP Administrative Modification #19-1
- Draft 2020-2029 State/Metropolitan Transportation Improvement Program for the Wilmington Urban Area
- Cape Fear River Crossing Update (January)
- Wilmington Urban Area MPO Project Update (January)
- Wilmington Rail Re-alignment Project Update (December)
- Cape Fear Public Transportation Authority Update (January)
- NCDOT Division Project Update (January)
- NCDOT Transportation Planning Division Project Update (January)

**Wilmington Urban Area
Technical Coordinating Committee
Wednesday, November 14, 2018
Meeting Minutes**

Members Present

Mike Kozlosky, Wilmington MPO
Don Bennett, City of Wilmington
Nick Cannon, Wilmington MPO
Jerry Haire, Town of Carolina Beach
Danielle Villegas, Wrightsville Beach
Rebekah Roth, New Hanover County
Matt Kirkland, Town of Leland
Barnes Sutton, Town of Navassa

Travis Henley, Pender County
Allen Serkin, Cape Fear Council of
Governments
Caitlin Marks, NCDOT Division of Highways
Nazia Sarder, NCDOT Planning
Megan Matheny, Cape Fear Public
Transportation Authority

1. Call to Order

Mr. Kozlosky called the meeting to order at 10:02 a.m.

2. Approval of the Agenda

Mr. Serkin made a motion to approve the agenda as presented, seconded by Mr. Henley, and the motion carried unanimously.

3. Presentations

a. Cape Fear Moving Forward 2045 Public Input Result – Abby Lorenzo, WMPO

Ms. Lorenzo gave an overview of results of the Cape Fear Moving Forward 2045 survey and map, which were open for public input for four months, from March 30 to July 31. The survey gathered 2,287 responses, the map, more than 1,900 hits (averaging 15.5 per day) and 563 comments with more than 4,500 votes on comments. In total, the public outreach efforts received 7,400 responses.

Ms. Lorenzo gave a breakdown of votes and comments and the usage chart. She stated that bicycle/pedestrian comments received more than 2,000 votes. The e-mail blast and social media posts received the most responses. Common trends for all modes were safety and multi-modal considerations. Trends for each of the modes included the following:

- Roadway: Topics included signage, signals, speed, road widening, and intersection improvements.
- Bicycle/pedestrian: Responses were more concentrated in downtown Wilmington; topics included sidewalk improvements, crosswalks, bike and multi-use paths, and safety.
- Public transportation: Responses were widely distributed with many comments in Brunswick County; topics included light rail options and expanding services to Wrightsville Beach.
- Ferry: Topics included a Leland to Wilmington ferry, high-speed ferries, and multi-modal connections.
- Freight/rail: Light rail comments were moved to the public transportation mode.
- Aviation: Focused on additional services to ILM.

Ms. Lorenzo stated that the results were separated into categories to help identify projects, separating out duplicates, maintenance items, complaints for referral to the appropriate jurisdiction, and those related to policy for future reference. The projects were then sorted by mode, checked against existing plans, and provided to the modal subcommittees for consideration.

b. North Carolina Department of Transportation Project Development and Merger Process – Karen Collette, NCDOT

Mr. Kozlosky announced that NCDOT's presentation on the project development and merger process would be given in January.

4. Consent Agenda

a. Approval of TCC Meeting Minutes- October 17, 2018

b. Resolution approving the North Carolina Department of Transportation's Statewide Safety Targets for the Wilmington Urban Area Metropolitan Planning Organization

c. Resolution approving 2018-2027 STIP/MPO TIP Administrative Modification #18-8

d. Resolution adopting the 2019 Wilmington Urban Area Metropolitan Planning Organization Meeting Schedule

Mr. Kozlosky stated that the typographical error (Ms. Roth's name) in the TCC meeting minutes of October 17, 2018 would be corrected.

Mr. Cannon made a motion to approve the Consent Agenda, Items 4a through 4d, and to forward the Items to the MPO Board for consideration. Mr. Bennett seconded the motion and it carried unanimously.

5. Regular Agenda

a. Resolution approving the Wilmington Urban Area Metropolitan Planning Organization's Division Needs Tier Local Input Point Assignment for Prioritization 5.0

Mr. Kozlosky stated that this item is consistent with what was presented at the Committee's last meeting and the recommendation of the Committee to proceed with Option 2a.

Ms. Roth made a motion to approve the Resolution approving the Wilmington Urban Area Metropolitan Planning Organization's Division Needs Tier Local Input Point Assignment for Prioritization 5.0. Mr. Henley seconded the motion, and it carried unanimously.

b. Resolution approving the Cape Fear Moving Forward 2045 Goals and Objectives

Ms. Lorenzo gave a brief presentation on the Cape Fear Moving Forward 2045 goals and objectives for each of the six modal subcommittees. She noted that the Citizens Advisory Committee reviewed and approved these goals and objectives at its meeting last week. She noted that they are the basis for the scoring criteria to rank projects, as well as policy development.

Mr. Bennett expressed concerns regarding the bike/pedestrian goals and objectives that identified roundabouts as hazardous to cyclists. He requested that it be omitted due to the fact that roundabouts are safer, provide better

mobility, and can accommodate a greater range of cyclists than traditional intersections.

Mr. Serkin pointed out that roundabouts might be considered as a roadway project.

Ms. Lorenzo responded that staff could gather some facts and figures. However, the goal was based on a perception of safety.

Mr. Bennett expressed concerns regarding perpetuating the perception that roundabouts are hazardous and that it would impact the goal of “complete streets.”

Mr. Serkin proposed to shorten the objective to prioritize bicycle safety.

Following further discussion, Ms. Lorenzo emphasized the importance of approving the goals and objectives today in order to forward them to the Board for approval at the end of the month, since the Board will not meet again until the end of January. She pointed out that the storm caused some compression in the schedule for the plan and the efforts of the modal subcommittees and the Citizens Advisory Committee.

To expedite a revision, Mr. Bennett suggested striking roundabouts from the examples listed in the objective.

Ms. Roth inquired about coordination with NCDOT regarding the interchange proposals for the College Road and Market Street corridors.

Mr. Kozlosky pointed out that bicycle/pedestrian infrastructure is not appropriate in some areas. For example, the long-range plan identifies no bike/ped improvements for the College Road and Martin Luther King Jr. Boulevard (MLK) intersection. He noted that the parkway is a fully controlled access in that area, and DOT’s concepts would carry the controlled access beyond the interchange. He added that the concepts presented at the meeting would need to be approved before bike/ped infrastructure is discussed. Also, a cost share exists that could limit the amount of bike/ped accommodations that are incorporated into state projects.

Mr. Bennett pointed out that the corporate limits on the north side of the parkway create a terminal facility and that the New Hanover County has almost no mechanism to provide the local match.

In response to concerns expressed by Ms. Roth, Mr. Kozlosky stated that discussion is held with stakeholders wherever these types of facilities make sense.

Mr. Bennett suggested rewording the objective as follows: “include bicycle and pedestrian facilities for mobility and access along appropriate corridors.”

Mr. Bennett made a motion to approve as amended the Goals and Objectives. Ms. Matheny seconded the motion, and it carried unanimously. (Amendment: Remove “roundabouts” and relocate the word “appropriate.”)

Mr. Serkin suggested considering a limited, non-mode specific set of goals in the future.

Mr. Kozlosky stated that the last two plans have developed goals and objectives in a manner similar to the plan currently in progress.

Ms. Lorenzo responded that the subcommittees were given that option, but preferred to develop their own set of goals and objectives. She noted that staff is considering streamlining the process for future plans.

Mr. Kozlosky stated that the subcommittees have been working on these goals and objectives by mode for the past four to five months in addition to the Citizen Advisory Committee's own overarching goals and objectives.

c. Resolution adopting the 2018 Congestion Management Process Biennial Report

Ms. Lorenzo gave a brief presentation on the 2018 Congestion Management Process Biennial Report. She stated that the MPO has monitored this data for the last two years. The process was adopted by the Board in 2013 and was reported in 2016 using the techniques and data management set from the overall process report. She added that 2018 is a snapshot of what was done in 2016. The data between 2016 and 2018 is similar and not much analysis can be drawn. Many of the mitigation projects and plans that were proposed in 2016 are allocated currently for right-of-way acquisition.

Ms. Lorenzo stated that in terms of congestion and safety, staff is reassessing the congestion management process, searching for opportunities to improve usability by the jurisdictions and alternative types of data that can be used in decision-making, both long-term and short-term.

Mr. Kozlosky reminded the Committee that adoption of the report every two years is a federal requirement.

Ms. Matheny expressed concerns regarding a new mitigation technique added on page 53 to reduce demand that has not been thoroughly vetted in terms of its land use impact. She recommended omitting "managing growth" as one of the techniques since it is not reflective of the 2016 plan. Ms. Lorenzo responded that the section was included in error and would be removed.

Following further discussion, Ms. Roth made a motion to approve as amended the report and Resolution adopting the 2018 Congestion Management Process Biennial Report. Mr. Bennett seconded the motion, and it carried unanimously.

6. Discussion

a. INFRA Grant

Ms. Lorenzo stated that a notice of a funding opportunity by USDOT is expected at the end of this year, sometime after Thanksgiving. She noted that the MPO applied for an INFRA Grant last year to upgrade to interstate standards US 74/76 from Mt. Misery Road to the MPO boundary. She inquired if this was an opportunity for the MPO to make another application or to be in support of applications by other organizations, such as NCDOT for upgrades to the I-40 and I-95 corridors due to Hurricane Florence.

Ms. Lorenzo stated that the grant will award up to \$950 million to projects already funded (such as those in the STIP/MTIP) and construction-ready by 2022, as long as the required 20% local match can be met. She noted such grants support the movement of freight in the form of highway projects along the national highway system or a national highway freight roadway upgrade or grade-separated freight and rail projects.

A question/answer and discussion period was held regarding potential projects.

In response to an inquiry by Mr. Serkin, Mr. Kozlosky stated that although I-40 flood mitigation is not in the STIP, some discussion has been held with the Secretary about submitting it. He noted that the Hampstead Bypass project would not be a candidate, as it does not have a federal environmental document. He added that staff is unaware of any projects that could be built in the required timeframe that would be applicable for this grant.

b. TASA Call for Projects

Ms. Kimes reminded the Committee that last month a discussion was held regarding the more than \$600,000 available in Transportation Alternatives Set Aside (TASA) funds and the decision to proceed with a call for projects. She noted that due to the short notice, the call would follow the previous year's procedures without any changes. She added that the call would be made starting tomorrow with a pre-application review, if desired, by December 18th and an electronic application submittal deadline of January 25th.

In response to an inquiry by Mr. Bennett, Ms. Kimes stated that a matrix of eligible projects will be included with the TASA funds application.

In response to an inquiry by Mr. Serkin, Ms. Kimes stated that the funding is typically \$225,000 a year, but some money was returned this year and there was no STPBG call. Therefore, this year will accommodate the submission of more costly projects and multiple projects.

A question/answer and discussion period was held regarding potentially eligible bicycle/pedestrian, stormwater, and environmental mitigation projects.

c. Military Cutoff Road Extension – Snug Harbour

Mr. Kozlosky stated that several residents of Snug Harbour attended last MPO Board meeting and expressed concerns regarding the connection from Military Cutoff Road to Market Street currently under construction by the state as part of the Military Cutoff Road extension project. The residents asked for some consideration and relief from noise and headlights visible from back windows of residences along the roadway. He noted that the Board would discuss this item at its next meeting at the end of the month. A letter written to Division Engineer Karen Collette has been included in the agenda packet.

In response to an inquiry by Mr. Serkin, Mr. Kozlosky stated that the MPO has no role other than serving as a conduit for citizens to voice concerns during the public comment portion of the Board Meeting. He noted that the Board could ask the state to review its noise policy or consider adding for some type of noise partition, although it's doubtful that the state would take any action. He pointed out that the results of the noise studies are unverified.

Mr. Serkin stated that the plans are two-dimensional with nothing to indicate that the roadway may be four feet above a fence. He suggested that a significant roadway elevation change should be indicated to the public.

Mr. Bennett stated that the public hearing map also shows the cut and fill toe slope lines, and indicates a slope being carried out wherever the right-of-way

swells suddenly. He expressed concerns regarding the time lapse between public meetings and roadway construction.

Mr. Kozlosky stated that everyone thought the road would be built at grade in the location. It was only after drainage and other design issues that the road was raised. He noted that the noise studies are conducted at the notice of public knowledge, sometimes 40 years prior to the completion of a project.

A question/answer and discussion period was held regarding potential triggers for verification and exceeding minimum standards, the location of noise studies, and potential review of the state policy.

d. 2018-2027 STIP/MPO TIP Administrative Modification #18-9

Mr. Kozlosky stated that this item is for informational purposes only and will be brought back for approval at the next meeting.

7. Updates

Mr. Kozlosky reminded members that the updates are included in the agenda packet.

8. Announcements

Mr. Kozlosky stated that the groundbreaking ceremony for the Multi-modal Transportation Center will be held tomorrow, November 15th at 1:30 p.m. at 520 North 3rd Street.

Ms. Lorenzo stated that the next Bike/Pedestrian Committee Meeting has been rescheduled for December 4th from 3:00 p.m. to 5:00 p.m.

In regard to the review of adopted plans for the Metropolitan Transportation Plan (MTP), Mr. Kozlosky stated that the City's Comprehensive Plan was not adopted by the MPO Board, and several of its ideas and concepts have not been vetted as potential projects. Also, New Hanover County has a comprehensive plan that has not been adopted either. He inquired about any other comprehensive plans outside corridor studies that would need to be considered as part of the MTP.

Ms. Lorenzo clarified that these plan would need to include transportation projects, and should have been this summer's call for projects from member jurisdictions.

Following a brief discussion, Mr. Kozlosky requested that any plans of which staff is unaware be brought forward by close of business next Wednesday, prior to Thanksgiving.

Mr. Kozlosky stated that the next TCC meeting will be held January 16, 2019.

9. Adjournment

With no further items, the meeting was adjourned at 11:07 a.m.

**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
BOARD**

RESOLUTION ADOPTING WAVE TRANSIT'S SHORT-RANGE TRANSIT 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 Cape Fear Public Transportation Authority also known as WAVE Transit provides public transportation services in the Cape Fear region; and

WHEREAS, the previous Short Range Transit Plan was completed for WAVE Transit in 2012 with recommendations for keeping pace with the region's growth and making transit services as effective as possible; and

WHEREAS, many of these recommendations from the previous plan have been implemented and this new plan is designed to make new recommendations for implementation over the next 5 years; and

WHEREAS, the study identifies the markets for transit services, evaluates the effectiveness of the existing transit service, and provides recommendation for the improvement and redesign of services over the next 5 years; and

WHEREAS, the Short-Range Transit Plan includes recommendations that incorporate all of the challenges and trends, and designs creative solutions that can integrate emerging travel options with public transit in the Cape Fear Region and make the most effective use of WAVE Transit's resources.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby adopts WAVE Transit's Short Range Transit Plan.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on January 30, 2019.

, Chair

Mike Kozlosky, Secretary

Proposed Revisions to 2018-2027 STIP/MPO TIP Programs

STIP/MPO TIP Modification # 18-9
 (November 2018)

* U-3338C NEW HANOVER PROJ.CATEGORY REGIONAL	SR 1175 (KERR AVENUE), SR 1175 (KERR AVENUE) INTERCHANGE AT US 74 (MLK, JR. PARKWAY). <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	RIGHT OF WAY CONSTRUCTION	FY 2019 - \$3,912,000 (STBG) FY 2020 - \$20,500,000 (STBG) \$24,412,000
* SR-5001 STATEWIDE PROJ.CATEGORY DIVISION	VARIOUS, SAFE ROUTES TO SCHOOL PROGRAM. PROJECTS TO IMPROVE SAFETY, REDUCE TRAFFIC, FUEL CONSUMPTION AND AIR POLLUTION IN VICINITY OF SCHOOLS. <u>ADD CONSTRUCTION IN FY 19 NOT PREVIOUSLY PROGRAMMED.</u>	STATEWIDE PROJECT CONSTRUCTION	FY 2019 \$500,000 (SRTS) \$500,000

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
BOARD**

**RESOLUTION APPROVING ADMINISTRATIVE MODIFICATION #18-9 TO THE
2018-2027 STATE /MPO TRANSPORTATION IMPROVEMENT PROGRAMS**

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 Board has found that the Wilmington Urban Area Metropolitan Planning Organization is conducting transportation planning in a continuous, cooperative, and comprehensive manner; and

WHEREAS, the North Carolina Board of Transportation adopted the 2018-2027 State Transportation Improvement Program on August 3, 2017 and the Wilmington Urban Area Metropolitan Planning Organization Board adopted the Statewide/MPO Transportation Improvement Programs on August 30, 2017; and

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization desires to modify the adopted 2018-2027 State/MPO Transportation Improvement Programs for Administrative Modification #18-9.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby approves modifying the 2018-2027 State/MPO Transportation Improvement Programs for Administrative Modification #18-9.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on January 30, 2019.

, Chair

Mike Kozlosky, Secretary

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!

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		
Same F-2		Vessels: River Class Vessel			
	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			
Terminal and Vessel		Water Taxi Service with terminal, route, vessel, stops			
	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			
	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)	
Route F-6		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 https://connect.ncdot.gov/resources/Rail-Division-Resources/Documents/Eastern%20Infrastructure%20Improvement%20Study%20Part%202.pdf
FR - 7		Freight Rail Connection Castle Hayne to Wallace	2040 (Not Included)- Heavyrail/transit rail
		Limits: 27 miles preserved railroad corridor	Scope: Replace and connect track
FR - 12	RW-65	Front Street RR Signals (Meares)	2040 (Included)
		Limits: Mears access to Front St	Scope: Modern safety standards
FR - 13	RW-65	Front Street RR Signals (Marstellar)	2040 (Included)
		Limits: Marstellar access to Front St	Scope: Modern safety standards
FR - 14	RW-65	Front Street RR Signals (Kidder)	2040 (Included)
		Limits: Hess Terminal Road (across from Kidder)	Scope: Modern safety standards
FR - 15		US421 RR crossing safety improvements	2040 (Included)
		Limits: Fleming St to Sutton Steam Plant Rd	Scope: RR gates
FR - 16	RW-211	NC Port of Wilmington rail crossing (south gate)	2040 (Not Included)
		Limits: Shipyard Blvd and River Road	Scope:
FR - 17	RW-210	NC Port of Wilmington rail crossing (north gate)	2040 (Not Included)
		Limits: Burnett Blvd and Myers Road	Scope: Grade separation
FR - 18		Rail Realignment	2040 (Not Included) Special funding needed
		Limits: Port access to Davis Yard	Scope: New bridge and track alignment
FR - 19		Use of rail line in Wilmington	2045 Public Input
		Limits: existing Rail Corridor (Front St to McRae St)	Scope: Acquire rail ROW for transit
FR-21		Rail Extension to Pender Commerce Park	2040 (Included)
		Limits: Invista to Pender Commerce Park	Scope: New track in new location
FR-22		Safety Improvements Cedar Hill Rd	2045 Public Input- Heavyrail
		Limits: NB and SB north of Quality Dr/N. Navassa Rd	Scope: Modern safety standards
FR-23		Rail Connection Malmo/Leland to Whiteville	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

FR-24		Rail Interchange redesign near Northwest District Park	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 Brailisford 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 mail 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 Keir 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

					WMPO STBGP-DA AND TASA-DA PROJECTS	In Design	
82	Wilmington Multimodal Transportation Center	Facility			Wave LRTP	Easier to collect ridership data by both trip and bus stop, allow for "more robust reporting of ridership data"	2.5 million, being constructed
142	automatic passenger counter (APC)	Facility				modern fare collection services could reduce delays, offer mobile fare collection, and allow for quicker boarding	APC system on each bus and software to process data
145	Modern Fare Collection Service	Facility			2045 Public Input		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	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, 147 201, 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 Baysshore 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	NC133 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 Traak Bridge Replacement	High Rise Bridge Replacement/Road Improvement	2045 Public Input	Airfie Rd	Causeway Dr	Principal Arterial	850	4 lane bridge section with multi-use path	4	4			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					
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 Improvements	Access Management Improvements	2045 Public Input	Dawson St	Military Cutoff	Principal Arterial	27,456	4D Roadway	0	4	11	23		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					
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					
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					
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					
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					
RW - 41	US74/76 Upgrade	Upgrade to Interstate Standards/Access Management	2040 MTP (Included)	SR 1426/Mt Misery Road	WMPO Boundary	Freeway/Pr incipal 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	NC133/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					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					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	Shipyard 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					Realignment should follow existing rights of way where possible. Intent is to separate truck traffic from NC Ports from local traffic.
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							Requires right of way acquisition in residential areas
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			
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	Shipyard 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 Seperated (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.

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
BOARD**

**RESOLUTION APPROVING THE CAPE FEAR MOVING FORWARD 2045 MODAL PROJECT
LISTS FOR AVIATION, FERRY AND WATER TRANSPORTATION, FREIGHT RAIL, PUBLIC
TRANSPORTATION, AND ROADWAY**

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

WHEREAS, on November 18, 2015 the Wilmington Urban Area Metropolitan Planning Organization adopted the fiscally constrained Cape Fear Transportation 2040 Metropolitan Transportation Plan to satisfy FHWA requirements; and

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization is in the process of developing Cape Fear Moving Forward 2045 to meet the FHWA requirement for updating the metropolitan transportation plan within five years of adoption of the last plan; and

WHEREAS, with guidance from the modal subcommittees of subject matter experts, the Citizens Advisory Committee has developed Cape Fear Moving Forward 2045 modal project lists for five different modes of transportation which include Aviation, Ferry and Water Transportation, Freight Rail, Public Transportation, and Roadway; and

WHEREAS, planning level cost estimates will be developed for each of these projects; and

WHEREAS, these modal project lists are preliminary project lists to be scored and ranked based on mode-specific criteria for the prioritization of potential projects to be included within the metropolitan transportation plan; and

WHEREAS, the Citizen Advisory Committee has reviewed and approved these mode-specific project lists for further consideration.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby approves the Cape Fear Moving Forward 2045 modal project lists for Aviation, Ferry and Water Transportation, Freight Rail, Public Transportation, and Roadway.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on January 30, 2019.

, Chair

Mike Kozlosky, Secretary



Unified Planning Work Program

Fiscal Year 2020

DRAFT

**FY 2020 UNIFIED PLANNING WORK PROGRAM
for the
WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION**

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Introduction

In compliance with Federal law and in the spirit of cooperation, the Wilmington Urban Area conducts a “cooperative, comprehensive, and continuing....” transportation planning process. This Planning Work Program (PWP) outlines the tasks and associated funding sources dedicated to the Wilmington Urban Area MPO transportation planning process during fiscal year 2020. Depending on the specific funding source, tasks funded through the PWP are eligible for reimbursement of 80-90% of their cost from the Federal Highway Administration and Federal Transit Administration through the North Carolina Department of Transportation.

The PWP for the Wilmington Urban Area identifies four separate funding sources for Urban Area transportation planning. A brief description of these funding sources follows:

- Statewide Planning and Research Programs (SPR)-These funds are used by NCDOT to conduct work for the Wilmington Urban Area MPO.
- Federal Highway Administration Section 104(f) Funds-These funds are dedicated to the urban area to perform transportation planning. They require a 20% local match.
- Federal Transit Administration Section 5303 Funds-These funds are used for transit planning in the urban area. The Federal Transit Administration provides 80% of these funds, NCDOT 10%, and there is a required 10% local match.
- Surface Transportation Program-Direct Attributable Funds- These funds are dedicated to Transportation Management Areas and these funds can be used to perform transportation planning. They require a 20% local match.

The local match requirements will be shared by all members of the Wilmington Urban Area MPO in direct proportion to population as defined in the Wilmington Urban Area MPO Memorandum of Understanding.

Narrative of PWP Section 104(f) Work Tasks to be Performed in FY 19

(Primary work to be performed by lead planning agency staff except where noted.)

Line Item Code

II-A1 Traffic Volume Counts- Wilmington MPO staff maintains an ongoing traffic counting program. An annual summary of the urban area traffic counts and accident data will be prepared and uploaded to the WMPO website.

II-A2 Vehicle Miles of Travel- Establish VMT as measure of effectiveness of transportation system. Measure the VMT with the new travel demand model.

II-A3 Street System Changes- No tasks foreseen.

II-A4 Traffic Accidents-Currently MPO staff conducts an ongoing effort to summarize traffic accident data for specific projects. MPO staff also utilizes accident data for specific inquiries.

II-A5 Transit System Data- Update of transit system database as needed.

II-A6 Dwelling Unit, Population, Employment Changes- Will measure land use changes by Transportation Analysis Zone between 2010 Census and travel demand model base year. Staff will provide capacity analysis for proposed developments within the Wilmington Urban Area MPO's planning area boundary.

II-A7 Air Travel- No tasks foreseen.

II-A8 Vehicle Occupancy Rate Counts- No tasks foreseen.

II-A9 Travel Time Studies- Conduct key travel time studies for travel demand model and development of the Long Range Transportation Plan.

II-A10 Mapping- Keep Geographic Information System files current and produce maps to support the TCC and MPO Board, transportation plans, programs, and projects.

II-A11 Central Area Parking Inventory- No tasks foreseen.

II-A12 Bicycle and Pedestrian Facilities Inventory- Update bicycle suitability assessment of federal-aid functionally classed roadways.

II-B1 Collection of Base Year Data- No tasks foreseen.

II-B2 Collection of Network Data- No tasks foreseen.

II-B3 Travel Model Updates- In concert with the North Carolina Department of Transportation, MPO staff will assist in the development of the 2050 travel demand model.

II-B4 Travel Surveys- No tasks foreseen.

II-B5 Forecast of Data to Horizon Year-No tasks foreseen.

II-B6 Community Goals and Objectives- Monitor public input as it pertains to goals and objectives set forth in the adopted Metropolitan Transportation Plan. Implementation of the Performance Measures from the FAST ACT.

II-B7 Forecast of Future Year Travel Patterns- No tasks foreseen.

II-B8 Capacity Deficiency Analysis- Identify areas of deficient capacity through use of travel demand model for further analysis as potential metropolitan transportation improvement projects.

II-B9 Highway Element of Metropolitan Transportation Plan (MTP)- Identification of highway deficiencies, priorities, and proposed highway improvement solutions and strategies. Provide documentation of process and recommendations in the MTP. Implementation of the Performance Measures from the FAST ACT.

II-B10 Transit Element of Metropolitan Transportation Plan- Identify public transportation deficiencies, priorities, and proposed transit improvement solutions for inclusion in the update of the MTP. Provide documentation of process and recommendations in the update of the MTP. Implementation of the Performance Measures from the FAST ACT.

II-B11 Bicycle and Pedestrian Element of the Metropolitan Transportation Plan- Identify bicycle deficiencies, priorities, and proposed bicycle and pedestrian improvement solutions and strategies. Provide documentation of the process and recommendations in the update of the MTP. Implementation of the Performance Measures from the FAST ACT.

II-B12 Airport/Air Travel Element of the Metropolitan Transportation Plan - Identify airport and air service deficiencies, priorities, and proposed airport and air service improvement solutions and strategies. Provide documentation of process and recommendations in the update of the MTP. Implementation of the Performance Measures from the FAST ACT.

II-B13 Collector Street Element of Metropolitan Transportation Plan- Develop regionally acceptable collector street policies and program recommendations for inclusion in the update of the MTP. Implementation of the Performance Measures from the FAST ACT.

II-B14 Rail, Waterway and Other Elements of Metropolitan Transportation Plan - Identify rail and waterway deficiencies, priorities, and proposed rail and waterway improvement solutions and strategies. Provide documentation of process and recommendations in the update of the MTP. Implementation of the Performance Measures from the FAST ACT.

II-B15 Freight Movement/Mobility Planning- Identification of freight movement deficiencies, priorities, and proposed improvement solutions and strategies. Provide documentation of process and recommendations in the update of the MTP. Implementation of the Performance Measures from the FAST ACT.

II-B16 Financial Planning- Develop realistic, best estimates of funding sources available and project cost estimates throughout the forecast years for the MTP. Ensure fiscal constraint in the update of the MTP. Implementation of the Performance Measures from the FAST ACT.

II-B17 Congestion Management Strategies- Develop strategies to address and manage congestion by increasing transportation system supply, reducing demand by application of alternative mode solutions, and transportation system management strategies. Evaluate strategies developed for the Congestion Management Process. Document process and solutions in the update of the MTP and CMP reports. Implementation of the Performance Measures from the FAST ACT.

II-B-18 Air Quality Planning/ Conformity Analysis- No tasks foreseen.

III-A Planning Work Program- Evaluation of FY 2020 PWP and development of FY 2021 PWP.

III-B Transportation Improvement Program- Review and amend the 2018-2027 Transportation Improvement Program on an as needed basis. Adopt and amend the 2020-2029 Transportation Improvement Program. Assist in the development of the 2022-2031 Transportation Improvement Program.

III-C1 Title VI Compliance-Work to insure compliance with the requirements of Title VI in urban area policies and practices.

III-C2 Environmental Justice- Analysis and outreach to insure that transportation plans and projects comply with Environmental Justice policies.

III-C3 MBE Planning- Activities to encourage participation of minority-owned business enterprises in contractual and supply opportunities.

III-C4 Planning for the Elderly and Disabled- Ensure the special needs of the elderly and disabled are addressed in all transportation planning projects.

II-C5 Safety/Drug Control Planning- No tasks foreseen.

III-C6 Public Involvement- Extensive Public Participation effort will be carried out to solicit input and gauge public input for planning studies the within the Wilmington Urban Area MPO's planning area boundary including the 2045 Metropolitan Transportation Plan.

III-C7 Private Sector Participation- Activities to encourage private sector participation in planning and project activities.

III-D1 Transportation Enhancement Planning- No tasks foreseen.

II-D2 Environmental and Pre-TIP Planning- Conduct environmental analysis and planning for the development of transportation projects in the Wilmington Urban Area.

III-D3 Special Studies- Consultant will be contracted to assist in the completion of the Metropolitan Transportation Plan and other special studies as needed.

III-D4 Statewide and Regional Planning- Coordination of urban area activities with statewide and regional initiatives.

III-E Management and Operations- Required ongoing administrative and operational tasks to support MPO committees and reporting requirements.

MPO	Wilmington
FTA Code	442100 - Program Support Administration
Task Code	II-A-5
Title	Transit System Data
Task Objective	Collect and analyze data for route planning and submission to NTD
Tangible Product Expected	Accurate data from multiple data collection devices onboard Wave Transit vehicles and other sources to ensure compliance with National Transit Database requirements
Expected Completion Date of Products	June 2019
Previous Work	Collection of data and submission to NTD
Relationship	This is a collaborative effort of the Wilmington MPO and the Cape Fear Public Transportation Authority (Wave Transit)
Responsible Agency	CFPTA
SPR - Highway - NCDOT 20%	
SPR - Highway - F11WA 80%	
Section 104 (f) PL, Local 20%	
Section 104 (f) PL, FHWA 80%	
Section 5303 Local 10%	1,200
Section 5303 NCDOT 10%	1,200
Section 5303 FTA 80%	9,600
Section 5307 Transit - Local 10%	
Section 5307 Transit - NCDOT 10%	
Section 5307 Transit - FTA 80%	
Additional Funds - Local 100%	

MPO	Wilmington
FTA Code	442100 - Program Support Administration
Task Code	II-B-6
Title	Community Goals & Objectives
Task Objective	Interpret and communicate with members of the Authority and WMPO TCC and TAC adopted planning documents defining community goals and objectives
Tangible Product Expected	Service offerings that are compliant with adopted plans that outlined the goals of the community for public transportation in the region
Expected Completion Date of Products	June 2019
Previous Work	Communication of goals and objectives to decision makers and the public
Relationship	This is a collaborative effort of the Wilmington MPO and the Cape Fear Public Transportation Authority (Wave Transit)
Responsible Agency	CFPTA
SPR - Highway - NCDOT 20%	
SPR - Highway - F11WA 80%	
Section 104 (f) PL, Local 20%	
Section 104 (f) PL, FHWA 80%	
Section 5303 Local 10%	400
Section 5303 NCDOT 10%	400
Section 5303 FTA 80%	3,200
Section 5307 Transit - Local 10%	
Section 5307 Transit - NCDOT 10%	
Section 5307 Transit - FTA 80%	
Additional Funds - Local 100%	

MPO	Wilmington
FTA Code	442100 - Program Support Administration
Task Code	II-B-10
Title	Transit Element of the LRTP
Task Objective	Provide input to CAC, TCC and TAC regarding long range transit plans for the region
Tangible Product Expected	Informed decisions regarding long range public transportation plans leading to a realistic planning document for the region
Expected Completion Date of Products	June 2019
Previous Work	Provided input and educated decision makers regarding the federal and state public transportation program
Relationship	This is a collaborative effort of the Wilmington MPO and the Cape Fear Public Transportation Authority (Wave Transit)
Responsible Agency	CFPTA
SPR - Highway - NCDOT 20%	
SPR - Highway - F11WA 80%	
Section 104 (f) PL, Local 20%	
Section 104 (f) PL, FHWA 80%	
Section 5303 Local 10%	400
Section 5303 NCDOT 10%	400
Section 5303 FTA 80%	3,200
Section 5307 Transit - Local 10%	
Section 5307 Transit - NCDOT 10%	
Section 5307 Transit - FTA 80%	
Additional Funds - Local 100%	

MPO	Wilmington
FTA Code	442100 - Program Support Administration
Task Code	II-B-16
Title	Financial Planning
Task Objective	Plan capital and operating cost estimates to ensure fiscal compliance and maintain the adopted level of transit service
Tangible Product Expected	Short range financial plans based on current federal and state legislation to ensure that transit services are provided in a consistent manner utilizing the most economical and efficient methods
Expected Completion Date of Products	June 2019
Previous Work	Financial planning of the public transportation program
Relationship	This is a collaborative effort of the Wilmington MPO and the Cape Fear Public Transportation Authority (Wave Transit)
Responsible Agency	CFPTA
SPR - Highway - NCDOT 20%	
SPR - Highway - F11WA 80%	
Section 104 (f) PL, Local 20%	
Section 104 (f) PL, FHWA 80%	
Section 5303 Local 10%	800
Section 5303 NCDOT 10%	800
Section 5303 FTA 80%	6,400
Section 5307 Transit - Local 10%	
Section 5307 Transit - NCDOT 10%	
Section 5307 Transit - FTA 80%	
Additional Funds - Local 100%	

MPO	Wilmington
FTA Code	442100 - Program Support Administration
Task Code	II-C-1
Title	Title VI
Task Objective	Interpret and prepare Title VI documents and monitor Title VI efforts to ensure compliance with FTA approved Title VI program
Tangible Product Expected	Compliance with the Title VI circular and adopted Title VI program
Expected Completion Date of Products	June 2019
Previous Work	Title VI program development and compliance efforts
Relationship	This is a collaborative effort of the Wilmington MPO and the Cape Fear Public Transportation Authority (Wave Transit)
Responsible Agency	CFPTA
SPR - Highway - NCDOT 20%	
SPR - Highway - F11WA 80%	
Section 104 (f) PL, Local 20%	
Section 104 (f) PL, FHWA 80%	
Section 5303 Local 10%	800
Section 5303 NCDOT 10%	800
Section 5303 FTA 80%	6,400
Section 5307 Transit - Local 10%	
Section 5307 Transit - NCDOT 10%	
Section 5307 Transit - FTA 80%	
Additional Funds - Local 100%	

MPO	Wilmington
FTA Code	442100 - Program Support Administration
Task Code	II-C-3
Title	Minority Business Enterprise
Task Objective	Implement and monitor the MBE program to be compliant with adopted MBE program, update MBE goals as required, and undertake MBE outreach
Tangible Product Expected	MBE participation that is equal to or greater than the adopted and approved MBE goal
Expected Completion Date of Products	June 2019
Previous Work	MBE program oversight
Relationship	This is a collaborative effort of the Wilmington MPO and the Cape Fear Public Transportation Authority (Wave Transit)
Responsible Agency	CFPTA
SPR - Highway - NCDOT 20%	
SPR - Highway - F11WA 80%	
Section 104 (f) PL, Local 20%	
Section 104 (f) PL, FHWA 80%	
Section 5303 Local 10%	800
Section 5303 NCDOT 10%	800
Section 5303 FTA 80%	6,400
Section 5307 Transit - Local 10%	
Section 5307 Transit - NCDOT 10%	
Section 5307 Transit - FTA 80%	
Additional Funds - Local 100%	

MPO	Wilmington
FTA Code	442100 - Program Support Administration
Task Code	II-C-6
Title	Public Involvement
Task Objective	Hear and analyze public comment from monthly meetings of the Authority, email comments, written comments and other comments outlined in the Authority Public Involvement Program. Work with public to update LCP, LRTP, SRTP and other planning documents.
Tangible Product Expected	Make recommendations to appropriate parties from comments made to the Authority by members of the community
Expected Completion Date of Products	June 2019
Previous Work	Public comment
Relationship	This is a collaborative effort of the Wilmington MPO and the Cape Fear Public Transportation Authority (Wave Transit)
Responsible Agency	CFPTA
SPR - Highway - NCDOT 20%	
SPR - Highway - F11WA 80%	
Section 104 (f) PL, Local 20%	
Section 104 (f) PL, FHWA 80%	
Section 5303 Local 10%	800
Section 5303 NCDOT 10%	800
Section 5303 FTA 80%	6,400
Section 5307 Transit - Local 10%	
Section 5307 Transit - NCDOT 10%	
Section 5307 Transit - FTA 80%	
Additional Funds - Local 100%	

MPO	Wilmington
FTA Code	442100 - Program Support Administration
Task Code	III-E
Title	Management & Operations
Task Objective	MPO and CFPTA staff will conduct required administrative and operational tasks to support Wave Transit. Periodical reviews of administrative agreements and procedures. Staff will perform daily operations to disseminate planning information to the TAC/TCC committee members, the public and/or other agencies.
Tangible Product Expected	Compliance with FTA and NCDOT requirements, well informed community and elected officials about the public transit program, and functional system that meets the needs of the community
Expected Completion Date of Products	June 2019
Previous Work	Collection of data and submission to NTD
Relationship	This is a collaborative effort of the Wilmington MPO and the Cape Fear Public Transportation Authority (Wave Transit)
Responsible Agency	CFPTA
SPR - Highway - NCDOT 20%	
SPR - Highway - F11WA 80%	
Section 104 (f) PL, Local 20%	
Section 104 (f) PL, FHWA 80%	
Section 5303 Local 10%	2,800
Section 5303 NCDOT 10%	2,800
Section 5303 FTA 80%	22,400
Section 5307 Transit - Local 10%	
Section 5307 Transit - NCDOT 10%	
Section 5307 Transit - FTA 80%	
Additional Funds - Local 100%	



Wilmington Urban Area Metropolitan Planning Organization

FY2020 Unified Planning Work Program

draft: January 30, 2019

TASK CODE	TASK DESCRIPTION	SEC. 104 (f) PL				SECTION 5303				STBGP-DA		TDM		TASK FUNDING SUMMARY			
		Highway / Transit		FHWA		Transit / Highway		FTA		Highway / Transit		Transit		LOCAL	NCDOT	FEDERAL	TOTAL
		LOCAL 20%	FHWA 80%	LOCAL 10%	NCDOT 10%	LOCAL 20%	FHWA 80%	LOCAL 50%	NCDOT 50%								
II-A	SURVEILLANCE OF CHANGE																
	II-A-1 Traffic Volume Counts	10,600	42,400										10,600			42,400	53,000
	II-A-2 Vehicle Miles of Travel	50	200										50			200	250
	II-A-3 Street Systems Changes																
	II-A-4 Traffic Accidents	50	200										50			200	250
	II-A-5 Transit System Data	1,100	4,400	1,200	1,200	9,600							2,300	1,200	14,000	17,500	
	II-A-6 Dwelling Unit, Pop. & Emp. Change	800	3,200										800		3,200	4,000	
	II-A-7 Air Travel																
	II-A-8 Vehicle Occupancy Rates																
	II-A-9 Travel Time Studies	50	200										50		200	250	
	II-A-10 Mapping	5,077	20,307					5,890	23,562				10,967		43,869	54,836	
	II-A-11 Central Area Parking Inventory																
	II-A-12 Bike & Ped. Facilities Inventory	800	3,200										800		3,200	4,000	
II-B	LONG RANGE TRANSPORTATION PLANNING																
	II-B-1 Collection of Base Year Data																
	II-B-2 Collection of Network Data																
	II-B-3 Travel Model Updates	50	200										50		200	250	
	II-B-4 Travel Surveys																
	II-B-5 Forecast of Data to Horizon Year																
	II-B-6 Community Goals & Objectives	4,200	16,800	400	400	3,200							4,600	400	20,000	25,000	
	II-B-7 Forecast of Future Travel Patterns																
	II-B-8 Capacity Deficiency Analysis	1,200	4,800										1,200		4,800	6,000	
	II-B-9 Highway Element of th L RTP	4,800	19,200										4,800		19,200	24,000	
	II-B-10 Transit Element of the L RTP	400	1,600	400	400	3,200							800	400	4,800	6,000	
	II-B-11 Bicycle & Ped. Element of the L RTP	4,000	16,000										4,000		16,000	20,000	
	II-B-12 Airport/Air Travel Element of L RTP	1,000	4,000										1,000		4,000	5,000	
	II-B-13 Collector Street Element of L RTP	600	2,400										600		2,400	3,000	
	II-B-14 Rail, Water or other mode of L RTP	1,000	4,000										1,000		4,000	5,000	
	II-B-15 Freight Movement/Mobility Planning	1,200	4,800										1,200		4,800	6,000	
	II-B-16 Financial Planning	400	1,600	800	800	6,400							1,200	800	8,000	10,000	
	II-B-17 Congestion Management Strategies	2,000	8,000										2,000		8,000	10,000	
	II-B-18 Air Qual. Planning/Conformity Anal.																
III-A	PLANNING WORK PROGRAM	224	896										224		896	1,120	
III-B	TRANSPORTATION IMPROVEMENT PROGRAM	500	2,000										500		2,000	2,500	
III-C	CVL RGTS. CMP./OTR. REG. REQS.																
	III-C-1 Title VI	100	400	800	800	6,400							900	800	6,800	8,500	
	III-C-2 Environmental Justice	600	2,400										600		2,400	3,000	
	III-C-3 Minority Business Enterprise	100	400	800	800	6,400							900	800	6,800	8,500	
	III-C-4 Planning for the Elderly & Disabled	50	200										50		200	250	
	III-C-5 Safety/Drug Control Planning																
	III-C-6 Public Involvement	2,000	8,000	800	800	6,400							2,800	800	14,400	18,000	
	III-C-7 Private Sector Participation	250	1,000										250		1,000	1,250	
III-D	INCIDENTAL PLNG./PROJECT DEV.																
	III-D-1 Transportation Enhancement Plng.																
	III-D-2 Enviro. Analysis & Pre-TIP Plng.	100	400										100		400	500	
	III-D-3 Special Studies	16,000	64,000										16,000		64,000	80,000	
	III-D-4 Regional or Statewide Planning	100	400										100		400	500	
III-E	MANAGEMENT & OPERATIONS																
TOTALS		34,339	137,355	2,800	2,800	22,400	71,954	287,816	61,800	61,800	170,893	64,600		447,571	683,064		
		\$93,740	\$374,958	\$8,000	\$8,000	\$64,000	\$77,844	\$311,378	\$61,800	\$61,800	\$241,384	\$69,800		\$750,336	\$1,061,520		

Anticipated DBE Contracting Opportunities for FY 2020

Name of MPO: Wilmington Urban Area MPO

Person Completing Form: Mike Kozlosky Telephone Number: 910-342-2781

Prospectus Task Code	Prospectus Description	Name of Agency Contracting Out	Type of Contracting Opportunity (Consultant, etc.)	Federal Funds to be Contracted Out	Total Funds to be Contracted Out
III-D-3	Special Studies	City of Wilmington	Consultant	\$40,000	\$50,000

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
BOARD**

**RESOLUTION APPROVING THE FY 2020 UNIFIED PLANNING WORK PROGRAM
FOR THE WILMINGTON URBAN AREA METROPOLITAN PLANNING
ORGANIZATION**

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, a comprehensive and continuing transportation planning program must be carried out cooperatively in order to ensure that funds for transportation projects are effectively allocated to the Wilmington Urban Area; and

WHEREAS, the City of Wilmington has been designated as the recipient of Federal Transit Administration Metropolitan Planning Program (Section 5303) funds and Federal Highway Administration Metropolitan Planning (Section 104(f)) funds; and

WHEREAS, members of the Wilmington Urban Area Metropolitan Planning Organization Board agree that the Planning Work Program will effectively advance transportation planning for State Fiscal Year 2019-2020.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby endorses the FY 2019-2020 Planning Work Program for the Wilmington Urban Area.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on March 27, 2019.

I, _____, Chair of the Board of the Wilmington Urban Area Metropolitan Planning Organization do hereby certify that the above is a true and correct copy of an excerpt from the minutes of a meeting of the Board, duly held on this the 27th day of March, 2019.

, Chair

Subscribed and sworn to me this the ____ day of _____, 2018.

Notary Public

My commission expires_____.

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
BOARD**

**RESOLUTION CERTIFYING THE WILMINGTON URBAN AREA METROPOLITAN
PLANNING ORGANIZATION'S TRANSPORTATION PLANNING PROCESS FOR FY
2019**

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 Board has found that the Wilmington Urban Area Metropolitan Planning Organization is conducting transportation planning in a continuous, cooperative, and comprehensive manner in accordance with 23 U.S.C. 134 and 49 U.S.C. 1607; and

WHEREAS, the Board has found the Transportation Planning Process to be in full compliance with Title VI of the Civil Rights Act of 1964 and the Title VI Assurance executed by each State under 23 U.S.C. 324 and 29 U.S.C. 794; and

WHEREAS, the Board has considered how the Transportation Planning Process will affect the involvement of Disadvantaged Business Enterprises in the FHWA and the FTA funded planning projects (Section 1003(b) of ISTEA of 1991 (Pub. L. 102-240), Sec. 105(f), Pub. L. 97-424, 96 Stat. 2100, 49 CFR part 23); and

WHEREAS, the Board has considered how the Transportation Planning Process will affect the elderly and the disabled per the provision of the Americans with Disabilities Act of 1990 (Pub. L. 101-336, 104 Stat. 327, as amended) and the U.S. DOT implementing regulations (49 CFR parts 27, 37, and 38); and

WHEREAS, the Metropolitan Transportation Plan has a planning horizon year of 2040, and meets all the requirements for an adequate Metropolitan Transportation Plan.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby certifies the transportation planning process for the Wilmington Metropolitan Planning Organization on this the 27th day of March, 2019.

, Chair

Mike Kozlosky, Secretary

Wilmington Urban Area Metropolitan Planning Organization
Draft 2019 Legislative Agenda

Transportation Financing

The Wilmington Urban Area MPO supports prioritization and funding for local transportation and infrastructure projects and the need to explore new transportation and infrastructure revenue sources to address the growing needs of the state and the nation. Including, but not limited to road, bridges and highway projects, public transportation, ferry, bicycle and pedestrian infrastructure, beach nourishment, inlet and waterway maintenance, coastal storm damage reduction, port infrastructure, airports, etc.

Corridor Preservation

The Wilmington Urban Area MPO requests the General Assembly identify techniques and continue support corridor protection that is vital implement projects in the state of North Carolina. The MPO also requests the North Carolina General Assembly continue to protect the Wilmington Urban Area Metropolitan Planning Organization for the filing of the Transportation Corridor maps for the Hampstead Bypass (R-3300).

Opposition to Transfer of State Road Maintenance

The Wilmington Urban Area MPO respectfully and urgently requests the North Carolina General Assembly reject proposals which would transfer responsibility for large portions of the state's road system to local governments, and weaken or dismantle municipal Powell Bill Street maintenance funding.

Limitation on City Requirements for Street Improvements Related to Schools

Senate Bill 257 included language related to street improvements for schools. The Wilmington Urban Area MPO is concerned that on non-state maintained facilities where improvements related to schools are needed, the funding burden has fallen on the municipalities or the level of service on the roadways will be compromised. The Wilmington Urban Area MPO encourages the General Assembly to review this language and seek solutions to address this funding concern.

Moped Legislation

The Wilmington Urban Area MPO supports the North Carolina Department of Transportation's policy recommendation of restricting mopeds on public roadways with posted speed limits of 45 mph or greater. The MPO also encourages the North Carolina General Assembly to implement laws that regulate the use of mopeds in a manner that promotes the safety and welfare of the citizens and visitors of North Carolina and pursue education and clarity on existing regulations for mopeds, golf carts, and low-speed vehicles.

Electric Scooter Legislation

The Wilmington Urban Area MPO supports the use of electric scooters to provide an alternative mode of transportation so long as the scooters are used in a safe and responsible manner, do not create visual clutter, and do not block parking or ADA accessibility.

Proposed Revisions to 2018-2027 STIP/MPO TIP Programs

STIP/MPO TIP Modification # 19-1
(January 2019)

U-4902D NEW HANOVER PROJ.CATEGORY STATEWIDE	US 17 BUSINESS (MARKET STREET), SR 1403 (MIDDLE SOUND LOOP ROAD) TO SR 2290 (MENDEHNALL DRIVE)/ SR 2734 (MARSH OAKS DRIVE). <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	CONSTRUCTION	FY 2019 - <u>\$18,500,000 (T)</u> \$18,500,000
U-5954 NEW HANOVER PROJ.CATEGORY REGIONAL	NC 133 (CASTLE HAYNE ROAD), NORTH 23RD STREET. CONSTRUCT A ROUNDABOUT. <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	RIGHT OF WAY UTILITIES CONSTRUCTION	FY 2022 - \$150,000 (T) FY 2022 - \$100,000 (T) FY 2024 - \$1,050,000 (T) FY 2025 - <u>\$1,050,000 (T)</u> \$2,350,000

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

					TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS													
					DEVELOPMENTAL PROGRAM													
COUNTY	ROUTE/CITY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ COST (THOU)	PRIOR YEARS COST	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	
URBAN PROJECTS																		
NEW HANOVER	NC 132 (COLLEGE ROAD)	U-5702	SR 1272 (NEW CENTRE DRIVE) TO US 421 (CAROLINA BEACH ROAD). ACCESS MANAGEMENT AND TRAVEL TIME IMPROVEMENTS.	9.7	90151	2770	NHP				R 6467 A	R 6467 A	R 6467 A					
							NHP			U 2300 A								
							NHP						C 11300 A	C 11300 A				
							NHP						R 2400 B					
							NHP						U 500 B					C 1444 B
SW A SR 1272 (NEW CENTRE DRIVE) TO US 117 (SHIPYARD BOULEVARD). ACCESS MANAGEMENT AND TRAVEL TIME IMPROVEMENTS. - PLANNING/DESIGN IN PROGRESS																		
REG B US 117 (SHIPYARD BOULEVARD) TO US 421 (CAROLINA BEACH ROAD). ACCESS MANAGEMENT AND TRAVEL TIME IMPROVEMENTS.																		
NEW HANOVER	NC 132 (COLLEGE ROAD)	U-5881	SR 2048 (GORDON ROAD) TO SR 1272 (NEW CENTRE DRIVE). UPGRADE ROADWAY.	2.9	82701	1000	T				R 11367	R 11367	R 11367					
							T			U 1500	U 1500							
							T						C 14866					
SW																		
BRUNSWICK	NC 133	U-5914 DIV	US 17/US 74/US 76 TO SR 1554 (OLD RIVER ROAD). MODERNIZE ROADWAY.	0.5	2765	965	T											
RIGHT OF WAY IN PROGRESS.																		
NEW HANOVER	SR 1175 (KERR AVENUE)	U-3338	RANDALL PARKWAY TO US 74 (MLK, JR. PARKWAY) IN WILMINGTON. WIDEN TO MULTI-LANES.	3.2	94920	70508	BGANY	R 3912 C										
							BGANY											
							C 6833 C	C 6833 C	C 6834 C									
TRN B RANDALL PARKWAY TO US 74 (MLK, JR. PARKWAY). - UNDER CONSTRUCTION																		
REG C SR 1175 (KERR AVENUE) INTERCHANGE AT US 74 (MLK, JR. PARKWAY). - RIGHT OF WAY IN PROGRESS																		
NEW HANOVER	SR 2048 (GORDON ROAD)	U-6202	US 17 (MARKET STREET) TO I-40. WIDEN ROADWAY.	2.5	85115		T											
							T											
							T											
DIV																		
NEW HANOVER	NEW ROUTE	U-5926	SR 1302 (23RD STREET) TO 26TH STREET. CONSTRUCT ROUTE ON NEW LOCATION. ECONOMIC DEVELOPMENT PROJECT.		8732	3410	L											
							T											
							L											
DIV																		
BUILD NC BOND ROW FUNDING \$45 M PAYBACK 2029 - 2043																		
BRUNSWICK NEW HANOVER PENDER	VARIOUS	U-5525	WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION PLANNING (PL) SUPPLEMENT.		3900	600	BGDA	PL 240										
							L											
							PL 240	PL 60	PL 60	PL 240	PL 240	PL 60	PL 240	PL 240	PL 60	PL 240	PL 60	
DIV																		
BRUNSWICK NEW HANOVER PENDER	VARIOUS	U-5989	WILMINGTON URBAN METROPOLITAN PLANNING ORGANIZATION STBGDA RESERVE ACCOUNT.		26856	2238	BGDA	C 2238										
							C 2238	C 2238	C 2238	C 2238	C 2238	C 2238	C 2238	C 2238	C 2238	C 2238		
DIV																		
BRUNSWICK NEW HANOVER PENDER	VARIOUS	U-5534	WILMINGTON URBAN AREA MPO STP-DA PROGRAM.		9566	2614	BGDA	R 125										
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							BGDA	C 381	C 381	C 381	C 381	C 381	C 381	C 381	C 381	C 381	C 381	
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BRUNSWICK NEW HANOVER PENDER	VARIOUS	U-5534	WILMINGTON URBAN AREA MPO STP-DA PROGRAM.		9566	2614	BGDA	R 125										
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BRUNSWICK NEW HANOVER PENDER	VARIOUS	U-5534	WILMINGTON URBAN AREA MPO STP-DA PROGRAM.		9566	2614	BGDA	R 125										
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BRUNSWICK NEW HANOVER PENDER	VARIOUS	U-5534	WILMINGTON URBAN AREA MPO STP-DA PROGRAM.		9566	2614	BGDA	R 125										
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BRUNSWICK NEW HANOVER PENDER	VARIOUS	U-5534	WILMINGTON URBAN AREA MPO STP-DA PROGRAM.		9566	2614	BGDA	R 125										
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BRUNSWICK NEW HANOVER PENDER	VARIOUS	U-5534	WILMINGTON URBAN AREA MPO STP-DA PROGRAM.		9566	2614	BGDA	R 125										
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BRUNSWICK NEW HANOVER PENDER	VARIOUS	U-5534	WILMINGTON URBAN AREA MPO STP-DA PROGRAM.		9566	2614	BGDA	R 125										
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BRUNSWICK NEW HANOVER PENDER	VARIOUS	U-5534	WILMINGTON URBAN AREA MPO STP-DA PROGRAM.		9566	2614	BGDA	R 125										
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BRUNSWICK NEW HANOVER PENDER	VARIOUS	U-5534	WILMINGTON URBAN AREA MPO STP-DA PROGRAM.		9566	2614	BGDA	R 125										
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BRUNSWICK NEW HANOVER PENDER	VARIOUS</																	

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																																																						
STATE TRANSPORTATION IMPROVEMENT PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED																																												
FY 2020					FY 2021					FY 2022					FY 2023					FY 2024					FY 2025					FY 2026					FY 2027					FY 2028					FY 2029					FUTURE YEARS				

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																																																						
STATE TRANSPORTATION IMPROVEMENT PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED																																												
FY 2020					FY 2021					FY 2022					FY 2023					FY 2024					FY 2025					FY 2026					FY 2027					FY 2028					FY 2029					FUTURE YEARS				

DIV - Division Category	EX - Exempt Category
HF - State Dollars (Non STI)	REG - Regional Category
SW - Statewide Category	TRN - Transition Project

COST AND SCHEDULES ARE PRELIMINARY AND SUBJECT TO
SIGNIFICANT CHANGE AS MORE INFORMATION BECOMES AVAILABLE

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																																																											
STATE TRANSPORTATION IMPROVEMENT PROGRAM					DEVELOPMENTAL PROGRAM																																																						
FY 2020					FY 2021					FY 2022					FY 2023					FY 2024					FY 2025					FY 2026					FY 2027					FY 2028					FY 2029														
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NEW HANOVER					GARY SHELL CROSS-CITY TRAIL					EB-5544					WILMINGTON. CONSTRUCT BICYCLE AND PEDESTRIAN ACCOMODATIONS ON SOUTH 17TH STREET, WALTMOOR ROAD, AND BETHEL ROAD.					249					249																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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DIV - Division Category	EX - Exempt Category
HF - State Dollars (Non STI)	REG - Regional Category
SW - Statewide Category	TRN - Transition Project

COST AND SCHEDULES ARE PRELIMINARY AND SUBJECT TO
SIGNIFICANT CHANGE AS MORE INFORMATION BECOMES AVAILABLE

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS												
COUNTY	ROUTE/CITY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH	TOTAL PRIOR PROJ YEARS COST		STATE TRANSPORTATION IMPROVEMENT PROGRAM					UNFUNDED FUTURE YEARS
					(THOU)	(THOU)	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	
FERRY PROJECTS BRUNSWICK CARTERET NEW HANOVER	VARIOUS	F-5301	CEDAR ISLAND, SOUTHPORT AND FORT FISHER DOCKS. REPLACE DOLPHINS.		980	980						
	TRN											
UNDER CONSTRUCTION												
BRUNSWICK NEW HANOVER	SOUTHPORT - FORT FISHER	F-5707	CONSTRUCT MOORING FACILITIES.		5000							
		REG										
BRUNSWICK NEW HANOVER	SOUTHPORT -FORT FISHER	F-5705	SOUTHPORT-FORT FISHER FERRY. CONSTRUCT RIVER CLASS FERRY.		14000							
		REG										
PUBLIC TRANSPORTATION PROJECTS												
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TA-5221	REPLACEMENT LTV		1321	591	FUZ L CP S					
		HF					324 41					
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TA-5184	REPLACEMENT UNDER 30' LTV		100	100	L STPDA					
		HF										
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TA-5700	ADA		389	389	L STBGDA STPDA					
		HF										
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TA-5223	REPLACEMENT BUS		6070	1410	FBUS L S					
		HF					CP CP CP					
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TA-5224	REPLACEMENT TROLLEY		700		FBUS					
		HF										
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TA-5222	REPLACEMENT LTV		1873	937	FBUS L S					
		HF					CP CP CP					
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TA-5134	REPLACEMENT HYBRID BUS		478	478	JARC L					
		HF										

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WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																																																						
STATE TRANSPORTATION IMPROVEMENT PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED																																												
FY 2020					FY 2021					FY 2022					FY 2023					FY 2024					FY 2025					FY 2026					FY 2027					FY 2028					FY 2029					FUTURE YEARS				
PUBLIC TRANSPORTATION PROJECTS NEW HANOVER	ROUTE/CITY CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	ID NUMBER TA-5171	LOCATION / DESCRIPTION PURCHASE REPLACEMENT BUSES	LENGTH	TOTAL PROJ YEARS COST (THOU)	2802	2802	FUZ																																														
								L																																														
								S																																														
								STPDA																																														
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TA-6516	CAPITAL		771	771	FNU																																															
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TA-6552	CAPITAL - REPLACEMENT VEHICLE		460	460	FNF																																															
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TD-4721	WMMTC CONSTRUCTION		2125	2125	L					STBGDA																																										
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TG-5246	ADA COMPLEMENTARY PARATRANSIT		662	662	L					STPDA																																										
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TG-6796	ADA		325	325	L					STBGDA																																										
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TG-6795	PREVENTIVE MAINTENANCE		313	313	L					STBGDA																																										
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TG-6784	PREVENTIVE MAINTENANCE		875	875	L					L					STBGDA					STPDA																																
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TG-4796	ROUTINE CAPITAL - BUS STOP SHELTERS, BENCHES, SHOP EQUIPMENT, SPARE PARTS, ENGINES, FAREBOX, SERVICE VEHICLES, ETC.		728	248	FUZ					CP					50																																					
							L					CP					CP					10																																
							STPDA																																															
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TG-5244	PREVENTIVE MAINTENANCE		1256	1256	FBUS																																															
							L																																															

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COST AND SCHEDULES ARE PRELIMINARY AND SUBJECT TO
SIGNIFICANT CHANGE AS MORE INFORMATION BECOMES AVAILABLE

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																																																							
					STATE TRANSPORTATION IMPROVEMENT PROGRAM								DEVELOPMENTAL PROGRAM								UNFUNDED																																		
					FY 2020				FY 2021				FY 2022				FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029				FUTURE YEARS										
COUNTY	ROUTE/CITY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FY 2019	FUNDS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029																																					
PUBLIC TRANSPORTATION PROJECTS																																																							
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TG-5245	PREVENTIVE MAINTENANCE		3354	2726	FUZ	CP	251											CP	251																																		
							L	CP	63																CP	63																													
HF																																																							
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TG-6170	ADA AND PREVENTIVE MAINTENANCE		638	638	L																																																
							STPDA																																																
HF																																																							
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TG-5243	PREVENTIVE MAINTENANCE		224	224	L																																																
							STPDA																																																
DIV																																																							
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TK-6176	ADMINISTRATION		2863	1773	FNU	O	218											O	218																																		
							FNU																	FNU																															
							L																		L																														
							S																																																
FUNDS AUTHORIZED IN PROGRESS																																																							
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TM-6137	OPERATING ASSISTANCE		636	636	JARC																																																
							L																																																
HF																																																							
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TN-6108	OPERATING ASSISTANCE - NEW FREEDOM		1872	1872	FNF																																																
							L																																																
HF																																																							
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TN-5135	DESIGN, ENGINEER, AND INSTALL 8 BUS STOP SHELTERS		116	116	FNF																																																
							L																																																
HF																																																							
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TN-6121	OPERATING		738	738	FNF																																																
HF																																																							
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TO-5210	OPERATING ASSISTANCE FOR EXPRESS FIXED ROUTE SERVING FORDEN AND DOWNTOWN STATIONS		368	368	JARC																																																
							L																																																
HF																																																							
NEW HANOVER	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TO-6141	OPERATING ASSISTANCE FOR FIXED ROUTE SERVING CAROLINA/KURE BEACHES		150	150	L																																																
							STPDA																																																
DIV																																																							
FUNDS AUTHORIZED IN PROGRESS																																																							

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WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																																																						
STATE TRANSPORTATION IMPROVEMENT PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED																																												
FY 2020					FY 2021					FY 2022					FY 2023					FY 2024					FY 2025					FY 2026					FY 2027					FY 2028					FY 2029					FUTURE YEARS				
</																																																						

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SW - Statewide Category	TRN - Transition Project

CHANGES BETWEEN THE DRAFT STIP 20-29 AND LIVE STIP

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

PROJECT	COUNTY	ROUTE/CITY	DESCRIPTION	COMMENTS
U-4738	NEW HANOVER BRUNSWICK	NEW ROUTE (CAPE FEAR CROSSING)	US 17 TO US 421 (INDEPENDENCE BOULEVARD- CAROLINA BEACH ROAD) INTERSECTION. CONSTRUCT A NEW FACILITY WITH STRUCTURE OVER THE CAPE FEAR RIVER.	SEGMENT A: BASED ON RESULTS OF P5.0, NEW PROJECT ADDED WITH RIGHT OF WAY IN FY 28 AND CONSTRUCTION AFTER FY 29.
U-4902	NEW HANOVER	US 17 BUSINESS (MARKET STREET)	COLONIAL DRIVE TO SR 1402 (PORTERS NECK ROAD). ACCESS MANAGEMENT IMPROVEMENTS.	SEGMENT B: TO ASSIST IN BALANCING FUNDS, CONSTRUCTION DELAYED FROM FY 21 TO FY 25.
U-5702	NEW HANOVER	NC 132 (COLLEGE ROAD)	SR 1272 (NEW CENTRE DRIVE) TO US 421 (CAROLINA BEACH ROAD). ACCESS MANAGEMENT AND TRAVEL TIME IMPROVEMENTS.	SEGMENT A: TO ASSIST IN BALANCING FUNDS, CONSTRUCTION DELAYED FROM FY 24 TO FY 25. SEGMENT B: BASED ON RESULTS OF P5.0, NEW PROJECT ADDED WITH RIGHT OF WAY IN FY 25 AND CONSTRUCTION IN FY 29.
U-5704	NEW HANOVER	NC 132 (COLLEGE ROAD)	US 76 (OLEANDER DRIVE). CONSTRUCT INTERCHANGE.	TO ASSIST IN BALANCING FUNDS, CONSTRUCTION DELAYED FROM FY 24 TO FY 25.
U-5729	NEW HANOVER	US 421 (CAROLINA BEACH ROAD)	US 421 (BURNETT AVENUE) TO US 117 (SHIPYARD BOULEVARD) IN WILMINGTON. UPGRADE ROADWAY.	TO ASSIST IN BALANCING FUNDS, CONSTRUCTION DELAYED FROM FY 22 TO FY 23.
U-5731	NEW HANOVER	US 74	US 17/US 421 IN WILMINGTON. CONSTRUCT A FLY- OVER AND FREE FLOW RAMP AT INTERCHANGE.	TO ASSIST IN BALANCING FUNDS, CONSTRUCTION DELAYED FROM FY 22 TO FY 23.
U-5732	PENDER	US 17	SR 1582 (WASHINGTON ACRES ROAD) TO SR 1563 (SLOOP POINT LOOP ROAD). CONVERT TO SUPERSTREET.	TO ASSIST IN BALANCING FUNDS, CONSTRUCTION DELAYED FROM FY 21 TO FY 23.
U-5734	NEW HANOVER	US 421 (SOUTH FRONT STREET)	US 17 BUSINESS/US 76/US 421 (CAPE FEAR MEMORIAL BRIDGE) TO US 421 (BURNETT BOULEVARD) IN WILMINGTON. WIDEN TO MULT-LANES.	TO ASSIST IN BALANCING FUNDS, RIGHT OF WAY DELAYED FROM FY 21 TO FY 23 AND CONSTRUCTION DELAYED FROM FY 23 TO FY 25.
U-5863	NEW HANOVER	NC 133 (CASTLE HAYNE ROAD)	I-140/US 17 (WILMINGTON BYPASS) TO SR 1310 (DIVISION DRIVE) IN WILMINGTON. WIDEN TO MULT TH- LANES	TO ASSIST IN BALANCING FUNDS, CONSTRUCTION DELAYED FROM FY 23 TO FY 24.
U-5881	NEW HANOVER	NC 132 (COLLEGE ROAD)	SR 2048 (GORDON ROAD) TO SR 1272 (NEW CENTRE DRIVE). UPGRADE ROADWAY.	TO ASSIST IN BALANCING FUNDS, CONSTRUCTION DELAYED FROM FY 24 TO FY 25.
U-6080	NEW HANOVER	SR 1175 (KERR AVENUE)	PATRICK AVENUE TO SR 1411 (WRIGHTSVILLE AVENUE). WIDEN TO MULT-LANES.	BASED ON RESULTS OF P5.0, PROJECT DID NOT SCORE HIGH ENOUGH TO RECEIVE FUNDING.
U-6083	NEW HANOVER	NORTH 23RD STREET	US 74 (MARTIN LUTHER KING, JR. PARKWAY) TO NC 133 (CASTLE HAYNE ROAD). WIDEN.	BASED ON RESULTS OF P5.0, PROJECT DID NOT SCORE HIGH ENOUGH TO RECEIVE FUNDING.
U-6128	NEW HANOVER	US 76 (OLEANDER DRIVE)	GREENVILLE LOOP ROAD AND GREENVILLE AVENUE. UPGRADE INTERSECTION.	BASED ON RESULTS OF P5.0, NEW PROJECT ADDED WITH RIGHT OF WAY IN FY 29 AND CONSTRUCTION AFTER FY 29.

PROJECT	COUNTY	ROUTE/CITY	DESCRIPTION	COMMENTS
U-6199	NEW HANOVER	WILMINGTON	WILMINGTON CITYWIDE SIGNAL SYSTEM.	BASED ON RESULTS OF P5.0, NEW PROJECT ADDED WITH RIGHT OF WAY IN FY 25 AND CONSTRUCTION IN FY 27.
U-6201	NEW HANOVER	SR 1175 (KERR AVENUE)	SR 1411 (WRIGHTSVILLE AVENUE) TO US 76 (OLEANDER DRIVE). CONSTRUCT ROADWAY ON NEW LOCATION.	BASED ON RESULTS OF P5.0, NEW PROJECT ADDED WITH RIGHT OF WAY IN FY 25 AND CONSTRUCTION IN FY 27.
U-6202	NEW HANOVER	SR 2048 (GORDON ROAD)	US 17 (MARKET STREET) TO I-40. WIDEN ROADWAY.	BASED ON RESULTS OF P5.0, NEW PROJECT ADDED WITH RIGHT OF WAY IN FY 29 AND CONSTRUCTION AFTER FY 29.



Cape Fear Crossing

STIP U-4738

Brunswick and New Hanover Counties

PROJECT STATUS REPORT

January 1, 2019

Project Description

The Cape Fear Crossing project is proposed as a 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. The project is programmed in the 2018-2027 STIP for planning and environmental studies only using STPDA funding from the Wilmington MPO.

The following list includes tasks during the month of December:

Current Activities

- The project team continues to coordinate and correspond with project stakeholders.
- Studies for the Traffic Noise Analysis are ongoing.
- Due to updated designs, construction and right-of-way cost estimates are currently being revised.
- The Draft Environmental Impact Statement (DEIS) has been reviewed by the Attorney General's (AG) office, NCDOT technical disciplines and FHWA-NC, and is currently being reviewed by FHWA Legal Sufficiency.
- Coordination with the State Historic Preservation Office (SHPO) is ongoing regarding impacts to historic properties in the study area.
- A newsletter was sent to notify citizens of the remaining alternatives under study and the project schedule.

Upcoming Activities

- The DEIS will be revised per comments received from FHWA Legal Sufficiency.
- Public hearing maps will be prepared for the Public Hearing, to be held after the DEIS is approved and distributed.
- The project team will coordinate with SHPO to update Section 106 concurrence on historic properties, as a follow-up to the 10/30/18 meeting.

Past Activities

- The Air Quality Report was finalized on 11/13/18.
- The project team coordinated with the SHPO on 10/30/18 regarding two new properties identified that are eligible for the National Register of Historic Places (NRHP).
- The Red-Cockaded Woodpecker Foraging Habitat Analysis was finalized on 9/26/18.
- The Crash Analysis Summary was finalized on 8/30/18.
- The revised project designs of the detailed study alternatives were finalized 6/15/18.
- The Traffic Capacity Analysis was finalized on 6/01/18.
- The NEPA/Section 404 Merger Team reached concurrence on 11/30/17 to eliminate Alternatives C, F, P, G, J, and V Freeway. Alternatives B, Q, T, M Avoidance, N Avoidance, and V Widening will be carried forward for detailed study in the DEIS.
- The update to the Natural Resources Technical Report was finalized on 9/19/17.
- The Essential Fish Habitat Assessment was finalized on 9/01/17.
- The NEPA/Section 404 Merger Team reached Concurrence Point 2A – "Bridging Decisions and Alignment Review" on 5/30/17; final concurrence on Concurrence Point 2A was received on 8/17/17.
- The project team received final concurrence from the State Historic Preservation Office on 5/26/17 regarding Section 106 effects on historic resources in the project study area.
- The project team presented the status of the project and preliminary alternative impact analysis results to the WMPO TAC on 3/29/17.
- The Archaeological Predictive Model Update was finalized on 2/13/17.
- The NEPA/Section 404 Merger Team reached Concurrence Point 1 – "Purpose and Need and Study Area Defined" on 12/12/13; the NEPA/Section 404 Merger Team reached Concurrence Point 2 – "Detailed Study Alternatives Carried Forward" on 2/10/14.
- Technical documents that have been finalized are available on the project website under "Project Documents."

Contact Information

NCDOT – John Conforti, jgconforti@ncdot.gov, 919.707.6015; AECOM – Joanna Rocco, joanna.rocco@aecom.com, 919.239.7179; Website: <https://www.ncdot.gov/projects/cape-fear-crossing>; Email: capefear@ncdot.gov; Hotline: 1.800.233.6315

WILMINGTON MPO
TRANSPORTATION PLANNING
JANUARY 2019

2045 METROPOLITAN TRANSPORTATION PLAN

Project Description/Scope: The Wilmington Urban Area Metropolitan Planning Organization is required by federal law to update the Metropolitan Transportation Plan every 5 years. The last plan was adopted by the MPO Board on November 18, 2015. The next update is required to be adopted by November 2020. This plan will guide the regional transportation priorities and actions, and be used for project selection in the State/Metropolitan Transportation Improvement Programs. The MPO Board appointed a Citizen Advisory Committee (CAC) to help guide the development of this plan. A four month public outreach period was held between April 3rd and July 31st. There were 2,287 transportation survey responses, 563 comments on the public input map tool, and 4,554 votes on map comments, totaling 7,404 responses collected. In July, the six modal subcommittees began meeting with the initial task of developing modal goals and objectives, which were completed in October 2018 and officially adopted by the Board in November 2018.

Next Steps:

- The Modal Subcommittees have developed modal project lists from the initial project lists. The initial project lists were assembled of projects proposed by the public, the WMPO's member jurisdictions and planning partners, as well as projects included in the WMPO's other adopted plans. The Modal Subcommittees have narrowed these lists down and refined project limits and scope. Once approved by the Board, the lists will be submitted to WSP for planning level cost estimates.
- Modal Subcommittees have begun developing scoring criteria. The development of scoring criteria is anticipated to take a couple months for each of the Subcommittees. All criteria is scheduled to be presented to the CAC by March 2019.
- Adoption in November 2020

LELAND STREET DESIGN STANDARDS MANUAL

Project Description/Scope: The Town of Leland is partnering with the Wilmington Urban Area MPO for the development of street design manual. These guidelines will guide new development towards the construction of streets that better align with the town's values in terms of connectivity, multi-modal activity, maintenance, design, and safety. The Leland Street Design Manual will include conceptual tables/graphics which will more easily convey the impact of standards on the physical landscape to the public and elected officials. A public meeting was held on December 4th to review the draft materials. The document was revised and a follow-up meeting was held on February 20th. Staff from the Town continues to work on the development of these standards. MPO staff met with the Town on May 22nd. The Town provided the MPO with a list of questions, proposed changes and comments. The MPO responded and the Town continues to review the document.

Next Steps:

- Continue to update the guidelines/manual per guidance from the Town of Leland

NORTHEAST NEW HANOVER COUNTY FUTURE STREET PLAN

Project Description/Scope: New Hanover County and the Wilmington Urban Area MPO are partnering to develop a Future Street Plan for Northeastern New Hanover County. This plan will serve as a framework for a future street system in the study area by examining how well the existing

transportation system performs, developing multi-modal street design guidelines, and creating strategies for integrating land use and transportation development. The MPO and County have received a draft plan from the consultant. The County Planning staff are meeting with stakeholders. The plan is being revised by the County to meet our needs.

Next Steps:

- Finalize Draft Plan in Spring 2019
- Present information to New Hanover County Planning Board and Board of Commissioners

SITE DEVELOPMENT REVIEW

Project Descriptions/Scope: The Wilmington Urban Area 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: 2 reviews
- New Hanover County Informal Plan Reviews: 0 reviews
- New Hanover Concept Reviews: 0 review
- Town of Leland Formal Reviews: 2 reviews
- Town of Leland Informal Reviews: 0 reviews
- Town of Navassa Formal Reviews: 1 reviews
- Town of Navassa Informal Reviews: 0 reviews
- Town of Navassa Concept Reviews: 0 reviews
- Town of Carolina Beach Formal Reviews: 0 reviews
- Town of Carolina Beach Informal Reviews: 0 reviews
- Brunswick County Formal Plan Reviews: 0 reviews
- Brunswick County Informal Plan Reviews: 0 reviews
- TIA Reviews: 20 total (New Hanover County 5, City of Wilmington 8, Carolina Beach 0, Leland 1, Navassa 0, and Pender County 4, Brunswick County 2) ; new 5 and ongoing 15
- Pender County Development Plan Reviews: 3 reviews
- Pender County Informal Plan Reviews: 0 reviews
- Pender County Concept Reviews: 0 reviews
- City of Wilmington Formal Reviews: 52 (3 new, 49 on-going)
- City of Wilmington Informal Reviews: 25 (6 new, 19 on-going)
- City of Wilmington Concept Reviews: 18 (14 new concept reviews- 4 on-going concept)
- COW Project Releases: 3 Full releases

STBGP-DA/TASA-DA FY 2013 to Present

STBGP-DA

U-5534B - CITY OF WILMINGTON- HEIDI TRASK DRAWBRIDGE (Under Construction)

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.

Project Status and Next Steps:

- Construction contract awarded to Intercoastal Marine, LLC
- Resumed construction based on plan revisions on May 2, 2018

- Structure and retaining wall are complete. Grading for sidewalk and MUP are underway
- Anticipated completion date of March 1, 2019

U-5534C - WRIGHTSVILLE AVENUE/GREENVILLE AVENUE TO HINTON AVENUE (Design)

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.

Project Status and Next Steps:

- 100% plan comments sent back to Engineer
- Specifications comments sent back to Engineer
- R/W acquisition completed Spring 2018
- The engineering firm is performing a QA/QC check on the plans to correct issues. Once revisions are received a new let date will be set

U-5534D - TOWN OF LELAND - OLD FAYETTEVILLE ROAD MUP (Design)

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.

Project Status and Next Steps:

- 100% Plan approval received
- ROW certification has been issued
- Construction funds have been requested for release
- Updated PCE approved on December 4th, 2018
- Town staff has discovered that approved plans do not show inverts of existing sanitary sewer lines and thus these drawings do not identify potential conflicts that may exist between new storm sewer lines and the existing sanitary sewer lines.
- Staff is currently investigating any possible utility conflicts that will need to be addressed on the drawings prior to bidding.
- Project Let winter of 2018

U-5534E & L - TOWN OF CAROLINA BEACH - ISLAND GREENWAY AND HARPER AVENUE BIKE LANES (Under Construction)

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 Alabama 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

Project Status and Next Steps:

- Construction is 95% complete with an anticipated completion date of late January

U-5534F – CITY OF WILMINGTON – PARK AVENUE MUP – PHASE II (Design)

Project Descriptions/Scope: This project is for the design and construction of an off-road multi-use path between Audubon Boulevard and Kerr Avenue. The right of Way certification was received November 2, 2016.

Project Status and Next Steps:

- Plans and Technical specifications have been approved by NCDOT- minor changes will need NCDOT approval
- PCE Consult should be received by the end of the month
- Construction funds can be released once PCE consult is received
- Anticipated Let Date: To be determined once bid package approved

U-5534G –HOOKER ROAD MULTI-USE PATH (Design)

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

Project Status and Next Steps:

- The City has provided the executed revised scope and amendment to McKim & Creed
- McKim & Creed has submitted revised plans for review by the City
- Anticipated Let Date of Spring 2019

U-5534H – HINTON AVE MULTI-USE PATH (Design)

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.

Project Status and Next Steps:

- The City has provided the executed revised scope and amendment to McKim & Creed
- McKim & Creed has submitted revised plans for review by the City
- Anticipated Let Date of Spring 2019

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

Project Descriptions/Scope: The construction of a 8 foot wide concrete path from the connection at the Brunswick Center at Leland across the front of the library property, down Village Road, ending on the western edge of the First Baptist Church property before the Sturgeon Creek Bridge.

Project Status and Next Steps:

- 100% Plans approved by NCDOT
- Right of way acquisition underway
- Right of way Certification- TBD
- Encroachment agreement needed once right-of-way finalized
- Let date will be delayed to match up with "J" project

U-5534J –OLD FAYETTEVILLE LOOP ROAD PEDESTRIAN LOOP

Project Descriptions/Scope: The construction of sidewalks in three locations: 1) The construction of an 8 foot concrete sidewalk along Village Road from Town hall Drive to the apartment complex and widening the existing 5 foot sidewalk in front of the apartment complex to 8 feet. 2) The construction of a 6 foot sidewalk along Town Hall Drive from Village Road NE to the sidewalk that exists by the new Town Hall. 3) The construction of a 5 foot sidewalk along Old Fayetteville Road from the existing sidewalk in front of the apartment complex to Village Road NE.

Project Status and Next Steps:

- 100% Plans approved by NCDOT
- Right of way acquisition underway

- Right of way Certification- TBD
- Encroachment agreement needed once right-of-way finalized

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 US Hwy 74/76 overpass after Glendale Drive with connections to Leland Middle School and the surrounding neighborhoods.

Project Status and Next Steps:

- 100% Plans approved by NCDOT
- Right of way acquisition underway
- Right of way Certification- TBD
- Encroachment agreement needed once right-of-way finalized
- Let date will be delayed to match up with “J” project

U-5534N 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.

Project Status and Next Steps:

- Contract has been sent to Purchasing for Bid
- Additional funds received
- Anticipated let date Winter 2018/2019

U-5534O Cape Fear Blvd Multi-Use Path

Project Description/Scope: The construction of approximately 3200 linear feet of 10’ wide paved off-road Multi-use Path along the south side of Cape Fear Blvd. from 6th Street to Dow Road.

Project Status and Next Steps:

- Construction is 95% complete with an anticipated completion mid January

U-5534Q –S. College/Holly Tree Crosswalks

Project Description/Scope: The project will install sidewalk, ADA ramps, curb and gutter, markings and traffic signal revisions required to install actuated pedestrian crossings of S. College Road and crossings on Holly Tree Road.

Project Status and Next Steps:

- The project has been put on hold until NCDOT’s College Road resurfacing project occurs

U-5534S (Formerly U-5534M)- Coral Drive Sidewalks

Project Descriptions/Scope: The construction of sidewalks along Coral Drive will install approximately 954 feet of 5 foot wide sidewalk on Coral Drive adjacent to Wrightsville Beach Elementary. The Town hired SEPI to complete the design.

Project Status and Next Steps:

- 100% plans (sealed) and specifications have been approved by NCDOT
- The Town was unable to secure the needed permanent easement. Sepi is currently providing an alternative

- Construction funds can be released once PCE consult is received
- Anticipated Let Date: Spring 2019

U-5534T – Traffic Signal Preemption

Project Description/Scope: This project will install traffic pre-emption equipment at 27 locations throughout the City of Wilmington and GPS devices on fire apparatus.

Project Status and Next Steps:

- 100% design comments have been sent to the Engineer and are being addressed
- 100% plans will be submitted to DOT for review
- Request for Construction Authorization to follow
- Anticipated bid date of February 2019

U-5534U – Navassa Park Multi-Use Path

Project Description/Scope: This project will construct bike lanes on both sides of Brooklyn Street, a multi-use path connecting Brooklyn Street to the Navassa Park, and a multi-use path through the Navassa Park forming a loop within the park.

Project Status and Next Steps:

- Scoping meeting held with NCDOT
- PE funds were released at the December 2017 Board of Transportation meeting
- Scope and fee with manday estimate is currently being revised per NCDOT comments. Awaiting final submittal from Right Angle Engineering

TASA-DA

U-5527B CITY OF WILMINGTON – 5th 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.

Project Status and Next Steps:

- Project is requesting additional money from the City to construct the improvements
- Bid is currently under review for acceptance

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 property line.

Project Status and Next Steps:

- 70% plans under review
- No right of way needed
- Anticipated construction bid May 2019

U-5527D HARPER AVE. MULTI-USE PATH

Project Descriptions/Scope: The construction of approximately 2104 linear feet of 10' wide paved multi-use path along Harper Ave. from Dow Road to 6th Street

Project Status and Next Steps:

- NCDOT Agreement is in place
- PE funds authorized August 2, 2016
- This project is currently on hold while the Town continues discussions regarding the beautification project along Harper Avenue.

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 adopted “Work Cape Fear: Expanding Commuter Options in the Cape Fear Region” TDM Short Range Plan on January 28, 2015 and also authorized staff to apply for a TDM grant through NCDOT that funded a full-time TDM Coordinator position. The Agreement with NCDOT for the full-time TDM Coordinator position was approved on November 4, 2015. The TDM program will work to increase active transportation initiatives and increase community knowledge of commuter options. The MPO finalized the Strategic Marketing Plan for the “Go Coast” program. In addition, the WMPO has been working with the City of Wilmington to implement a bike share program. The TDM program has continued to grow and progress and below are project status and next steps.

Project Status and Next Steps:

- Increase social media presence for Go Coast program and initiatives
 - 483 followers on Instagram, 412 “likes” from June-December 2018
- Go Cost Commuter Challenge October 1-26 Results and Data compiling
 - 723 participants
 - 5,995 trips
 - 26,271 eco-miles traveled
 - 18,871 pounds of carbon dioxide reduced
 - Trip types percentages:
 - Walking: 32.5%
 - Telecommute: 30.5%
 - Bus: 10.5%
 - Carpool/Vanpool: 6.5%
 - Electric Car: 6.1%
 - Driving alone: 4.4%
 - Hybrid car: 5.7%
 - Biking: 4.3
- Meeting with website developers to develop a Go Coast website
 - Blue Tone Media to develop Go Coast site
- Gather model alternative work schedule policies from various regional employers to be highlighted in the statewide initiative to showcase model alternative work schedules
- Live application for Go Coast Commuter Friendly Employers- 4 employers have been designated:
 - UNCW- Gold
 - CastleBranch- Gold
 - CFCC-Silver
 - Target-Silver
- Partner with UNCW, Cape Fear Community College, and New Hanover Regional Medical Center to explore carpool matching options and guaranteed ride home strategies

- Creating employer networks for carpool matching in STRNC
 - Live Oak Bank to begin including STRNC and employee to employee carpool matching in new employee orientation in 2019
 - Target now includes STRNC in new employee orientation
- Developing best method for emergency ride home payment/reimbursement
- Coordinate with employers to implement 2 additional vanpool programs and potential Park & Ride lot locations
- Participate with the City of Wilmington committee for bike share implementation
 - Currently negotiation on a contract with Zagster for a program in the City of Wilmington. Zagster is actively seeking “title sponsors”
- The City of Wilmington has formed committee to determine best process for controlling a scooter share if vendor came to Wilmington
- Working with Carolina Beach to complete the Olli Challenge application to request pilot program for autonomous shuttles during summer months in 2019.
 - Local Motors is currently gauging interest from cities in different regions of the United States to implement a short-term, fixed-route, autonomous vehicle program called the Ollie Challenge. To date, Local Motors has only opened this challenge to the Sacramento, Phoenix, and DC areas. The WMPO submitted an implementation proposal in November and had a brief discussion with a Local Motors representative about the vision of a program in Carolina Beach. As of now, there is no open Ollie Challenge for North Carolina municipalities, but the WMPO is prepared to submit an application when/if an application does become available to our region.



December 9, 2018

Greetings!

Welcome to the latest update on the Wilmington Rail Realignment Project.

This update will cover the last six months of work on the project. There is big news in this update! And as with everything else in the area, some progress was distracted by the impact of Hurricane Florence. As always, please let me know any questions, thoughts or ideas. Please feel free to respond back to me at Laura.lwpadgett@gmail.com or call me at 910-262-4025. Thanks.

The Rail Realignment Project proposes to relocate the freight use of 8.5 miles of track away from the dense urban core of the City of Wilmington and repurpose the track and right-of-way for alternative transportation, i.e., a tracked trolley or tram and biking and pedestrian paths. The freight use of the track will be moved to a new 4 to 5-mile track directly from the Port of Wilmington, across the Cape Fear River to a connection with the Davis/Navassa, NC Rail Yard. The project will improve quality of life, public safety, traffic congestion, and housing affordability within the City of Wilmington; and also create new and innovative economic development opportunities through more efficient shipping in southeastern North Carolina to the Port of Wilmington, eliminating 'last mile' delays and opening new shipping routes in rural counties.

Two big items are in this update:

First, with a great deal of help, I submitted an application to the Federal Railroad Administration for a grant of \$2 million to pay the cost of producing Preliminary Engineering up to 30% and the National Environmental Protection Act documentation which is necessary to build the project. The whole process for the grant was complicated by a very short timeframe to submit once the grant was announced and the impact of Hurricane Florence. We received letters of support from many entities which we hope will help to get the grant award:

- Counties of New Hanover, Brunswick, Pender and Columbus
- Cape Fear Council of Governments
- Cape Fear Realtors
- Cape Fear Public Transportation (WAVE)
- Congressman Rouzer
- Senator Burr

- And we believe other members of the delegation have sent letters directly.
- Wilmington Business Development
- Wilmington Chamber of Commerce
- NC State Ports
- CSXT
- NC RR Inc.
- RJ Corman Railroad Group

The City of Wilmington staff provided invaluable help in the process of writing the grant as well as the cost of a consultant to write the Benefit Cost Analysis portion of the grant. We have been informed that the FRA considers our application complete and the project eligible. The awards will be determined by around February 2019.

Second, the City has posted the job announcement for a full-time project manager/coordinator. This is a big step and shows the City's intent to move this project forward. I hope that anyone reading this who has an interest in such a position or who knows people who might be interested will visit the link below:

<https://www.governmentjobs.com/careers/wilmingtonnc>

This position posting is a very exciting development.

We continued meetings with various organizations, building support for the project. Glenn Harbeck and I spoke to the Chamber Public Policy Committee. Contacts continue with CSX and other private rail companies, including North Carolina Railroad Company.

The Project has benefitted greatly from the people, organizations and businesses who have shared the privilege of their time to talk with us. Any person or organization that you feel we should contact, please let me know. Thank you for your interest and I am happy to receive questions and comments.



Laura Padgett, Coordinator
Wilmington Rail Realignment Project

Logo by [Tori Jones and Clove Marketing](#)



Cape Fear Public Transportation Authority

Project Update

January 2019

REGIONAL AUTHORITY PROJECTS

- 1. Bus fleet replacement** - (no change) FTA funding in the amount of \$3.6M for nine replacement buses was awarded to the Authority from a nationwide discretionary grant in April 2018. Seven buses were ordered June 29, 2018. Delivery is scheduled to begin in June 2019. Additional funding for three to four buses will be requested from the VW mitigation settlement phase one following a call for projects by NC DAQ in the spring of 2019.
- 2. Short Range Transportation Plan** - (no significant change) following adoption of Cape Fear Transportation 2040 by the Wilmington Metropolitan Planning Organization (WMPO), Wave Transit is completing its latest short range plan. The plan will set a course for public transportation initiatives, route structure, and revenue programming for the next five years. The plan will also include a financial element to ensure that transit programs are compliant with FTA rules and regulations. Under the direction of the Authority's Operations and Planning Committee made up of funding partners, Board members, staff, WMPO board members, WMPO staff, passengers, interested citizens, and professional transit planning consultants, the plan is an important tool in identifying and quantifying the public transportation needs of the community. Marketing, public relations, and community support for financing transit in Southeastern North Carolina will also be a focus of the plan. A key component of the plan will be extensive surveying and data collection to assess the needs of current and prospective passengers. Nelson Nygaard is the principal consultant leading the project. Data collection has begun and is being analyzed. Over fifteen agencies are assisting Wave Transit as stakeholders in the planning effort. The stakeholder committee has been identified and held their multiple meeting. The project is expected to be completed in the spring of 2018. The draft plan was presented to the Authority Board on March 22, 2018. Draft recommendations are available at the following URL: <https://www.wavetransit.com/short-range-transit-plan/>. Changes to the Wave Transit routes based on recommendations from the consultant will be developed over the summer and fall with implementation in 2019 to coincide with the opening of the Wilmington Multimodal Transportation Center. A presentation of the study findings will be presented to the WMPO Board and TCC in January 2019.
- 3. Long Term Funding** - currently, the Authority does not have a dedicated source of local funding. A consultant led study to evaluate the governing model and long term funding for transit in the region has been commissioned by the City of Wilmington and New Hanover County. TransPro Consulting has presented its findings to the Wilmington City Council and the New Hanover County Board of Commissioners.

WMPO SPONSORED PROJECTS

1. **Wilmington Multimodal Transportation Center**

An Interlocal Agreement between Authority, City of Wilmington, WMPO, and NCDOT has been executed. Demolition of the U-Haul building is complete. Thanks to generous support from the WMPO, STP-DA funding in the amount of \$2,400,000 has been flexed by FHWA to FTA for the project and a formal grant with FTA has approved. On June 27, 2018 the WMPO awarded up to \$1,700,000 in additional STBGP-DA funding to complete the project. The flex process to convert the funds from FHWA to FTA was initiated on July 30, 2018.

Phase 1 consisting of hazardous materials abatement and demolition is complete.

Phase 2 consisting of building stabilization is complete.

Phase 3 consisting of renovation construction was let for bidding on February 14, 2018.

Renovation construction of the Neuwirth Building began on December 03, 2018. Site work will commence upon approval of an FHWA STBGP-DA fund transfer to the project.

The project may be impacted by the federal shutdown. Flex funding authorization and the ability to draw federal funding are be suspended during the shutdown as employees who undertake “non-essential” tasks are furloughed. As of January 07, 2019 the shutdown is still in effect but projects have not yet been impacted.

2. **Preventive Maintenance & ADA** - STBGP-DA funding in the amount of \$500,000 for preventive maintenance and ADA service throughout the region was approved by the WMPO on July 25, 2018. The process of flexing the funds from FHWA to FTA is currently in process. The funds will assist the Authority in maintaining its fleet of fixed route buses and FTA funded facilities to meet the FTA *State of Good Repair Requirement*. The preventive maintenance funding will ensure that Wave Transit vehicles are safe, reliable, and provide a positive and comfortable experience on Wave Transit routes throughout the region.

Americans with Disabilities Act (ADA) compliance utilized under the funding will be used to offset the cost of providing complementary ADA service for passengers unable to access Wave Transit fixed routes. Paratransit services provided under the WMPO authorized funding include specialized origin to destination van service. In November 2018 the Authority provided 1,781 ADA passenger trips utilizing the funding. The period of performance for the project is 07/01/2018 through 06/30/2019.



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

January 7, 2019

Project Update List for Brunswick County

Projects Under Construction – Brunswick County

R-2633 BA – (Wilmington Bypass: C203199) construct a 4-lane divided highway from US 74/76 (near Malmo) to SR 1430 (Cedar Hill Road).

Open to traffic on December 18, 2017.

Estimated Completion Date: December 2018 (inclusive of punch list and vegetation period)

Percent Complete: 90.64%

R-5783A/B – (TAP ADA Curb Ramp: DC00187) Division Wide contract to add missing curb ramps and bring existing curb ramps to ADA compliance.

Estimated Completion Date: January 2019

Percent Complete: 75.25%

R-2633D – (I-140 ITS: C204080) Intelligent Transportation System for I-140 (Wilmington Bypass) in Brunswick and New Hanover Counties – Communications Cable and Conduit Routing

Estimated Completion Date: May 2019

Percent Complete: 51.61%

R-3601(L) – (US 74/76 and NC 133 Landscaping: DC00231) Landscaping contract

Estimated Completion Date: May 2020

Percent Complete: 20.54%

W-5703I: Hickman Rd at Ash-Little Rd Install Flashers

Estimated Completion: February 2019

Construction By State Forces: Work has started

NC24/US 17 Primary Routes– (NC24/US 17 Primary Routes: DC00234) Plant bed maintenance in Brunswick, New Hanover, Onslow, and Pender counties

Estimated Completion Date: November 2019

Percent Complete: 0%



Project Development- Brunswick Count

R-5021: NC 211 from NC 87 to NC 906 (Midway Road) widen to a 4-lane divided facility.

Let Date April 2019

U-5914: NC 133 Widen and Modernize Intersection at US 17/US 74/US 76 to SR 1554 (Old River Road).

Let Date October 2019

U-5788: US 17 Business (Main Street) Realign intersection at Wall Street and Shallotte Avenue

Let Date May 2020

W-5601GA: US 17 at Thomasboro Rd Convert Intersection to Superstreet

Let Date February 2021

W-5703H: US 17 at Hickman Rd Convert Intersection to Superstreet

Let Date February 2021

U-5862: US 17 (Shallotte Bypass) at SR 1357 Smith Avenue Upgrade intersection to interchange

Let Date May 2021

R-5857: US 17 at US 17 Bus Convert Intersection to Superstreet

Let Date June 2022

R-5851: US 17 at NC 904 Convert Intersection to Superstreet

Let Date September 2022

U-5932: US 17 at NC 211 Convert Intersection to Interchange.

Let Date June 2024

R-5947: NC 211 Widen from Sunset Harbor Rd to NC 906 (Midway Rd) to 4 lanes

Let Date FY 2029

U-6104: US 17 (Shallotte Bypass) at US 17 Business upgrade intersection to interchange

Let Date FY 2029

Carolina Bays Parkway Extension Updates

1. Newsletter mailed out
2. Call for public comment (Due January 21, 2019): <https://ncdot.publicinput.com/2518/>
3. Project Website: <https://www.ncdot.gov/projects/carolina-bays-parkway/Pages/default.aspx>

Resurfacing Projects - Brunswick County

2018 Brunswick Resurfacing Contract: WBS (C204094, W-5203Y) US 76 E. & W., US 421 N., NC 130, NC 179, NC 904.

Estimated Completion Date: November 2019.

Percent Complete: 70.77%

- Map 1: NC 130 (Whiteville Rd) from US 17 Bus to SR 1335
- Map 2: NC 179 (Old Georgetown Rd) from 179 Bus to NC 904
- Map 3: NC 904 (Longwood Rd) from SR 1321 to SR 1304
- Map 4: NC 179 Bus (Sunset Blvd) from traffic circle at Shoreline Dr to west of NC 904
- Map 5: SR 1319 (Union School Rd) from SR 1316 to US 17
- Map 6: SR 1504 (Clemmons Rd) from SR 1316 to US 17
- Map 7: SR 1333 (Project Rd) from SR 1326 to end of Pavement
- Map 8: SR 1327 (New Britton Loop Rd) from SR 1333 to SR 1326
- Map 9: SR 1337 (Marlow Rd) from SR 1336 to SR 1333
- Map 10: SR 1308 (Etheridge Rd) from SR 1300 to NC 904
- Map 11: SR 1335 (Myrtlehead Rd) from SR 1333 to SR 1336
- Map 12: SR 1356 (Marlowtown Rd) from 1302 to SR EOM
- Map 13: SR 1301 (McLamb Rd) from SR 1300 to SC line
- Map 14: SR 1316 (Old Shallotte Rd) from NC 904 to US 17
- Map 15: SR 1155 (Goose Creek Rd) from NC 179 to SR 1143
- Map 16: SR 1304 (Pea Landing Rd) from US 17 to NC 904
- Map 17: SR 1305 (No. 5 School Rd) from SR 1300 to SR 1304
- Map 18: SR 1165 (Thomasboro Rd) from US 17 to SR 1164
- Map 19: SR 1720 (Washington Rd) from US 17 Bus. To EOM
- Map 20: SR 1312 (Mt. Zion Church Rd) from NC 904 to EOM
- Map 21: SR 1315 (Russtown Rd) from SR 1313 to NC 904
- Map 22: SR 1115 (Stone Chimney Rd./Old Ferry Connection) from NC 211 to intracoastal waterway

2018 New Hanover County Resurfacing (C204135) US 17 Bus/US 76, US 421, NC 132, and various secondary roads

Estimated Contract Completion Date: April 2019

Percent Complete: 11.62%

High Impact / Low Cost funded projects
New project funding source – Brunswick County

1. NC 133 (flooding) Intersection of SR 1521 (Funston Road SE) and NC 133 in Brunswick County
Approximately a mile in each direction of the intersection.
WBS 80084
Project let August 2019
Anticipated Completion April 2020
2. Installation of traffic signal at US 17 & NC 87 (southern entrance) in Brunswick County
WBS 47783; work began February 2018
Completion Date: April 2019
3. Installation of traffic signals at the intersection of US 17 and Ocean Isle Beach Road, and the NB to SB U-turn location approximately 875 feet northeast of the referenced intersection in Brunswick County.
WBS 47879; work began February 2018
Completion Date: April 2019
Located in GSATS Boundary.
4. Caswell Beach Rd Infiltration System in Oak Island
WBS 47931; Town of Caswell Beach is working on the design
Let & Completion Date: February 2019

High Value Bridge Program – Brunswick County

Old Oak Island Bridge (Brunswick 14: C204185) NC133 Country Club Drive; Girder Repair
Estimated Completion Date: June 2019
Percent complete: 20.91%

Holden Beach Bridge (Brunswick 71: C204254) NC130 Holden Beach Rd SW; Girder Repair
Estimated Completion Date: October 2019
Percent complete: 0%

Odell Williamson Bridge (Brunswick 13) NC904 Causeway Dr; Epoxy Coat Beam Ends
Let March 2019

Project Update List for New Hanover County

Projects Under Construction - NHC

R-2633 BA – (Wilmington Bypass: C203199) construct a 4-lane divided highway from US 74/76 (near Malmo) to SR 1430 (Cedar Hill Road).

Open to traffic on December 18, 2017.

Estimated Completion Date: January 2019 (inclusive of punch list and vegetation period)

Percent Complete: 90.29%

R-5783A/B – (TAP ADA Curb Ramp: DC00187) Division Wide contract to add missing curb ramps and bring existing curb ramps to ADA compliance.

Estimated Completion Date: January 2019

Percent Complete: 75.25%

U-3338B — (Kerr Avenue Widening: C203772) Widening of Kerr Ave. from Randall Prkwy to MLK, Jr. Prkwy.

Widening Market St and installing island on N. Kerr

Estimated Completion date: June 2019

Percent Complete: 84.59%

R-2633D – (I-140 ITS: C204080) Intelligent Transportation System for I-140 (Wilmington Bypass) in Brunswick and New Hanover Counties – Communications Cable and Conduit Routing

Estimated Completion Date: May 2019

Percent Complete: 51.61%

U-4751 – (Military Cutoff Road Extension: C203980) extending Military Cutoff Road from Market Street to the Wilmington Bypass, with an interchange at the Bypass west of US 17 Business (Market Street) to US 17 Business (Market Street) SR 1403 (Middle Sound Loop Road).

Realignment of Lendire Road completed by state forces before project started.

Clearing and working on ramp from Gordon Rd to Market St

Estimated Completion date: April 2022

Percent Complete: 16.99%

Bridges Under Construction - NHC

Snow Cut Fender – (New Hanover 30: DC00218) Bridge on US 421 over SR 1532 and intracoastal waterway

Anticipated Completion date: January 2019

Perent Complete: 17.28%

Project Development - NHC

U-4902D: **US 17 Business (Market Street)** construct a “superstreet” (median) from SR 2734 (Marsh Oaks Drive) to Lendire Drive

Let Date December 2018

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

Let Date April 2019

U-3338C: SR 1175 (Kerr Avenue) at US 74 (MLK Jr Pkwy) Construct interchange

Let Date December 2019

U-4902C: US 17 Business (Market Street) construct a superstreet (median) from Station Road to US 74 (MLK Parkway/Eastwood Rd); construct a SPUI at US 74 (MLK Parkway/Eastwood Rd) and Market St; Project extended on Eastwood Rd from Racine to Cardinal

Let Date February 2020

U-5710A: US 74 (Eastwood Road) construct roadway on new location between US 17 (Military Cutoff Road) & US 74 (Eastwood Road)

Let Date April 2020

R-3300A: US 17 Hampstead Bypass: Construct a four lane divided roadway on new location from US 17 south of Hampstead to NC 210

Let Date September 2020

U-5710: US 74 (Eastwood Road) convert at-grade intersection to an interchange at US 17 (Military Cutoff Road).

Let Date September 2021

U-5926: 23rd St Extension: New route from N 23rd St to N 26th St

Let Date June 2022

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

Let Date FY 2023

U-5731: US 74 (US 17/US 421 in Wilmington) Construct a Trumpet Interchange

Let Date FY 2023

U-5790: US 421 (Carolina Beach Road) Widen US 421 (Carolina Beach Rd) from NC132 (South College Rd) to Sanders Rd in Wilmington and construct Continuous Flow Intersection at US 421 and NC 132

Let Date June 2024

U-5792: US 74 (MLK Jr Parkway) at NC 132 (College Rd) Convert at-grade intersection to Tight Urban Diamond Interchange

Let Date June 2024

U-5954: NC 133 (Castle Hayne Rd) at 23rd St Construct Roundabout

Let Date June 2024

U-5863: NC 133 (Castle Hayne Rd) Widen to multi-lanes from I-140/US17 to SR 1310 (Division Dr)

Let Date FY 2024

U-4434: Independence Blvd Extension from Randall Parkway to MLK Jr Parkway

Let Date June 2025

U-4902B: US17 US 17 Business (Market Street) Median Project from CSX Railroad to Cinema Dr and from Jacksonville St to North of US 117/NC132 (College Rd)

Let Date FY 2025

U-5702A: NC 132 (College Rd) Access management and travel time improvements from SR 1272 (New Centre Drive) to US 117 (Shipyard Blvd)

Let Date FY 2025

U-5704: NC 132 (College Rd) Intersection improvement at US 76 (Oleander Dr); Quadrant intersection Design along Parkway Dr

Let Date FY 2025

U-5734: US 421 (South Front Street) Widen to multi-lanes from US17 Business/US 76/US 421 (Cape Fear Memorial Bridge) to US 421 (Burnett Blvd.)

Let Date FY 2025

U-5881: NC 132 (College Rd) Widen Roadway from SR 2048 (Gordon Rd) to SR 1272 (New Centre Dr) including interchanges at Kings Drive and Ringo St; project overlaps with U-5792

Let Date FY 2025

U-5702B: NC 132 (College Rd) Access management and travel time improvements from US 117 (Shipyard Blvd) to US 421 (Carolina Beach Rd)

Let Date FY 2027

U-6199: Wilmington Citywide Signal System Upgrade

Let Date FY 2027

U-6201: Kerr Avenue extension from Wrightsville Avenue to Oleander Dr

Let Date FY 2027

U-6128: US 76 (Oleander) & Greenville Loop Rd/Greenville Ave Dual Left Turns

Let Date Post Year

U-6202: Gordon Road widen from US 17 Market St to I-40

Let Date Post Year

U-4738: Cape Fear Crossing New entrance from Brunswick county to New Hanover County south of the Cape Fear Memorial

Let Date Post Year

Resurfacing Contracts - NHC

I-5760 (I-140: C203868) resurface from I-40 to US 421 & reconstruction of bridge joints

Remaining work: Joints and pavement markers

Estimated Contract Completion Date: TBD

Percent Complete: 90.9%

US 117/NC 132 S College Rd (C203888: W-5203AA, W-5601BB) from US 17 Business (Market Street) to SR 2313 (Wilshire Blvd.)

Remaining work: Pavement markings and markers

Estimated Contract Completion Date: February 2019

Percent Complete: 87.19%

2018 New Hanover County Resurfacing (C204135) US 17 Bus/US 76, US 421, NC 132, and various secondary roads

Estimated Contract Completion Date: April 2019

Percent Complete: 11.62%

High Value Bridge Program – NHC

Cape Fear Memorial Bridge (New Hanover 13: C204119) Structural Steel Repair, clean and grease ropes, lift span bearings

Estimated Completion Date: May 2019

Percent Complete: 69.8%

US76/Banks Channel (New Hanover 21) Girder repair, clean and paint bearings, epoxy caps

Let Date December 2018

Isabel Holmes Br (New Hanover 11) Girder repair, upgrade/paint structural steel, replace grid floor

Let Date February 2019

Cape Fear (I-140 E) (New Hanover 48) Shear Strengthen

Let Date July 2019

Cape Fear (I-140 W) (New Hanover 49) Shear Strengthen

Let Date July 2019

Project Update List for Pender County

Under Construction – Pender County

SR-5001CB – (Sloop Point Multi Use Path: DC00151) from US 17 to SR 1694 (Masters Ln)

Estimated Completion Date: January 2019

Percent Complete: 40.3%

R-5783A/B – (TAP ADA Curb Ramp: DC00187) Division Wide contract to add missing curb ramps and bring existing curb ramps to ADA compliance.

Estimated Completion Date: January 2019

Percent Complete: 75.25%

B-5304 – (Pender 203: C203983) Replace bridge 203 on SR 1324 (Crooked Run Rd)

Estimated Completion Date: March 2019

Percent Complete: 97.79% (Awaiting 80% Vegetation Period)

B-4929 (Surf City Bridge on NC 50/210: C203789) Replace bridge #16 over the inter-coastal waterway with a fixed span high rise structure.

Estimated Contract Completion Date December 2020

Percent Complete: 94.44%

Project Development – Pender County

R-3300B: US 17 Hampstead Bypass: Construct a four-lane divided roadway on mostly new location from NC 210 to Sloop Point Loop Road. **Fully funded**

Let September 2020

R-3300A: US 17 Hampstead Bypass: Construct a four lane divided roadway on new location from US 17 south of Hampstead to NC 210 **Selected in P5.0 Regional – fully funded**

Let September 2020

U-5732: US 17 (Ocean Highway): Convert to superstreet from SR 1582 (Washington Acres Road) to just south of US 17 and future Hampstead Bypass Limits. **Fully funded and will be built in conjunction with Hampstead Bypass projects.**

Let September 2020

R-5701: NC 53/US117 Bus. Intersection Upgrade

Let June 2020

R-5850: NC 53 from US 117 Bypass to Stag Park Rd widen to 3 lanes

Let May 2025

Resurfacing Projects - Pender County

2017 Pender County Resurfacing Contract (C203952). 1-section of US-117 and 10 sections of various SR roads.

Estimated Completion Date: November 2018

Percent Complete: 100%

2018 Pender County Resurfacing Contract (C204090). 1-section of US-17, 1-section of NC-50, 1-section of NC-210, and 36 other various SR roads.

Estimated Completion Date: January 2019

Percent Complete: 85.4%

High Impact / Low Cost funded projects
New project funding source – Pender County

1. Hoover Road widening from proposed interchange to US 17 with 2' paved shoulders;
currently under design
WBS 47785
Project let March 2019
Anticipated Completion March 2020

This project list was updated on January 7, 2018.

If you have any questions, please contact Caitlin Marks at the Division 3 Office:
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STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

January 2019

Nazia Sarder
Transportation Engineer
NCDOT Transportation Planning Division
1 South Wilmington Street
Raleigh, NC 27601

JANUARY TPD UPDATES WILMINGTON MPO

January 2019

New Business:

Wilmington Model Update – Future Year Model has been completed and sent to the Wilmington MPO.

Wilmington CTP – With the model update, WMPO has also asked TPD to start on the Wilmington CTP update. We have yet to develop a schedule for this CTP and start – but once the Wilmington Model is near completion we will develop a schedule.

Brunswick County Model - Future year and closeout is near completion. Brunswick County CTP study starting up once the model is complete, and CTP 2.0 rolls out.

Pender County CTP – Anticipated to start beginning of 2019, currently TPD is working out the new schedule to align with CTP 2.0.

Old Business:

Corridor Studies: After establishing the Strategic Transportation Corridor (STC) network in 2015, the next step in implementation is the development of STC master plans, which are intended to establish a vision for each of the end-to-end corridors. Work began in early 2018 on the first two STC master plans, as follows:

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1 SOUTH WILMINGTON STREET
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- Bundle #1 has been assigned to Kimley-Horn and includes Corridor P (Future I-42/US 70E/ NCR from I-440 in Wake County to Port at Morehead City), Corridor S (I-795/US 117 from I-95 in Wilson County to I-40 in Sampson County), and Corridor X (US 258/NC 11/US 13 from US 17 in Onslow County to US 64E in Edgecombe County)
- Bundle #2 has been assigned to Atkins, and includes Corridor U (US 74W/US 74E/I 74 from I-26 in Polk County to US 117 in Wilmington) and Corridor D (US 321/CSX from South Carolina state line to Tennessee state line).

TPD has recently made the decision to temporarily pause the development of the STC Master Plans in order to reevaluate the scope and deliverables to make it a more useful and effective end product. A work group of internal and external partners to help reexamine this effort has met once in August and will meet again in September.

CTP 2.0: TPD leadership is reviewing elements for CTP 2.0 and coordinating with the CTP 2.0 steering committee as we prepare for implementation of improved maps, classifications, analysis, plan documentation, and changes to the process for developing CTPs in NC. (A CTP Steering Committee meeting was held June 18, 2018.) Improving the CTPs for NCDOT and local partners has proven to be a complex process with many benefits and “ripple effects” as we move future proposals into project implementation.

CTP Status Update: Refer to study site and project engineers for updates.

CTP Study Requests: CTP Study Requests were accepted in Spring of 2018. Studies have been prioritized and assigned based on available resources, mainly as new work plans began in June 2018. Other assignments may occur later as additional resources become available.

Performance Measures – PM2 and PM3 targets (pavement, bridge, and system performance) transmitted targets to FHWA on May 18, 2018. MPO’s have 180 days to support NCDOT’s targets or establish their own (Nov. 14, 2018).

Statewide Plan: The N.C. Department of Transportation is conducting an update to its long-range transportation plan to guide North Carolina’s future transportation policies and investments. NC Moves 2050 is a plan that will provide a 30-year transportation vision and implementation plan for the state. Changing demographic and economic trends across urban and rural regions of the state, along with anticipated changes in technology, weather, tourism, and funding sources make now an opportune time to produce a bold, forward looking transportation plan to guide investment policy and system performance that will be more reactive to the dynamic change on the horizon.

The engagement of the stakeholders and public is critical during this initial stage of the planning process. To capture thoughts and ideas about the state’s biggest challenges for the future, North Carolina residents are encouraged to provide input through our [survey](https://publicinput.com/ncmoves) through November 30th. The survey can be found at <https://publicinput.com/ncmoves>. This survey focuses capturing public input about the challenges for our state and the future of our transportation system. Responses will help to inform the vision and goals for NC’s transportation plan. We will also have our kickoff stakeholder meetings in Kinston on 10/24/18, Raleigh on 10/29/18, and Charlotte on 10/30/18. We have invited a

representative from each MPO, RPO, State Agencies, and State Advocacy Groups across North Carolina.

Training: A recording of the 2017 MPO/RPO Ethics training webinar can be viewed at the following location: <https://livestream.com/NC-DOT/events/7161243>