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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:** April 6, 2018  
**SUBJECT:** April 11<sup>th</sup> meeting

A meeting of the Wilmington Urban Area MPO's Technical Coordinating Committee will be held on Wednesday, April 11<sup>th</sup> 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) Presentations
  - a. Cape Fear Memorial Bridge Rehabilitation Project- Kevin Bowen, NCDOT
  - b. Aerial Drones- Jason O'Brien, WMPO
  - c. NCDOT's Public Transportation Strategic Plan Video
- 4) Consent Agenda
  - a. Approval of TCC Meeting Minutes- March 14, 2018
- 5) Regular Agenda
  - a. Resolution approving an Administrative Modification #18-3 to the 2018-2027 State/MPO Transportation Improvement Programs for Performance Management
  - b. Resolution approving the allocation of additional Direct Attributable funding for the Shipyard Boulevard Bus Pull-out and Sidewalk Project
- 6) Discussion
  - a. Draft Prioritization 5.0 Programmed Statewide Mobility Projects
  - b. 2018-2027 STIP/MPO TIP Modification #18-4
- 7) Updates
  - a. MPO Staffing
  - b. Crossing over the Cape Fear River
  - c. Wilmington Urban Area MPO
  - d. Cape Fear Moving Forward 2045 Transportation Plan
  - e. Cape Fear Public Transportation Authority
  - f. NCDOT Division
  - g. NCDOT Transportation Planning Division
- 8) Announcements

### Wilmington Urban Area Metropolitan Planning Organization

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- a. WMPO Bike/Ped Committee Meeting- April 10<sup>th</sup>
  - b. NCPTA Conference- April 23-25<sup>th</sup>
- 9) Next meeting- May 16, 2018

**Attachments:**

- TCC Meeting Minutes- March 14, 2018
- Resolution approving an Administrative Modification #18-3 to the 2018-2027 State/MPO Transportation Improvement Programs for Performance Management
- Resolution approved by the City of Wilmington for the Shipyard Boulevard Bus Pull-out and Sidewalk Project
- Resolution approving the allocation of additional Direct Attributable funding for the Shipyard Boulevard Bus Pull-out and Sidewalk Project
- Draft Prioritization 5.0 Programmed Statewide Mobility Projects
- 2018-2027 STIP/MPO TIP Modification #18-4
- Cape Fear River Crossing Update (April)
- Wilmington MPO Project Update (April)
- Cape Fear Public Transportation Authority Update (April)
- NCDOT Division Project Update (April)
- NCDOT Transportation Planning Division Project Update (April)

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

**Members Present:**

Mike Kozlosky, Wilmington MPO	Ashli Barefoot, Town of Leland
Don Bennett, City of Wilmington	Barnes Sutton, Town of Navassa
Amy Kimes, Wilmington MPO	Helen Bunch, Brunswick County
Ed Parvin, Town of Carolina Beach	Pat O'Mahony, Pender County
Danielle Villegas, Town of Wrightsville Beach	Allen Serkin, Cape Fear Council of Governments
Rebekah Roth, New Hanover County	Nazia Sarder, NCDOT Planning
Stephanie Ayers, North Carolina State Ports Authority	Megan Matheny, Cape Fear Public Transportation Authority
John Allen, Town of Bellville	

**1. Call to Order**

Mr. Kozlosky called the meeting to order at 10:05 a.m.

**2. Approval of Agenda**

Ms. Barefoot made the motion to approve the agenda as presented, seconded by Mr. Bennett, and the motion carried unanimously.

**3. Presentation**

**a. Emerging Technologies (Autonomous Vehicles) – Jason O'Brien, WMPO**

Mr. O'Brien gave an overview of five stages of autonomous technology as follows:

1. Automation or assistive technology (current stage);
2. Increased autonomy and assistive technology such as lane centering;
3. Safety critical functions and accident avoidance;
4. Autonomy limited to certain locations and conditions; and
5. Full autonomy/completely driverless vehicles (22<sup>nd</sup> century).

Mr. O'Brien stated that each stage will dominate for a number of years; although technologies will overlap. He pointed out that the stages can be grouped into eras:

1. Driver assistance (stages 1-3);
2. Limited autonomy (stage 4); and
3. Full autonomy (stage 5).

Mr. O'Brien explained that early stages will operate mostly on highways and expand to more complex environments such as downtowns and local streets. He noted that the first autonomous vehicles will be trucks hauling freight. He also noted that autonomous transit already exists on dedicated routes.

Mr. O'Brien gave an overview of the consequences of autonomous vehicles. He noted that machine vision is confused by pedestrians and the weather. He added that

experts agree that less parking and better curbside management will be necessary by the 4<sup>th</sup> stage. However, experts are divided on projected outcomes as follows:

- Increased congestion due to the impact of the diminished time cost of driving, resulting in accelerated changes in driver behavior and urban sprawl; and/or
- A decline in private ownership due to the efficiencies of the shared-use model and the cost prohibitive nature of autonomous vehicles.

Mr. O'Brien gave an overview of the impact to public transit. He noted that the current national downward trend in ridership is attributed to ride hailing services such as Uber and Lyft. He pointed out that public transit may improve its prospects and avoid labor issues by embracing autonomous technology to improve efficiencies and fill transit gaps on local routes.

Mr. O'Brien stated that the autonomous vehicle lobby is currently focusing on federal and state levels. However, the federal government is devolving decision making to the states.

Mr. O'Brien stated that autonomous vehicles in later stages will need to communicate with each other and smart infrastructure (intelligent information systems) such as messaging signs. He gave some examples and noted that infrastructure changes are expected to be minor, small and inexpensive, such as paint, markings, embedded sensors, signs and signals. Most changes will occur regarding road management.

Mr. O'Brien stated that many traditional sources of revenue (gas tax, parking fees and fines, traffic tickets/speed traps/moving violations) will become irrelevant. He noted that autonomous vehicles will potentially increase safety and personal productivity, eliminate the need for parking, encourage country-side development, have the potential to eliminate uses such as cycling, walking, and public transit, increase congestion, and necessitate a new demand management approach and a new revenue model. He recommended that members read the American Planning Association's recent article, "Autonomous Vehicles: Planning for Impacts on Cities & Regions."

Mr. Kozlosky stated that this presentation one in a series that will be given to the Citizens Advisory Committee for the development of the Metropolitan Transportation Plan (MTP).

Mr. Bennett stated that Wilmington has three signals that have been upgraded to provide SPAT (Signal, Phase And Timing) information needed for vehicle and infrastructure communications. He noted that all that is needed is the communication technology. He added that one other corridor in Wilmington has been fitted for high resolution data collection.

In response to an inquiry by Mr. Serkin, Mr. Kozlosky stated that a drastic change in traffic management will occur during the next 25 years. He noted that some policy recommendations were included with the presentation to the CAC.

Ms. Roth expressed concerns regarding safety and infrastructure design. Mr. Bennett pointed out that two fatalities have occurred due to machine vision.

4. **Consent Agenda**

- a. **Approval of TCC Meeting Minutes – February 14, 2018**
- b. **Resolution approving 2018-2027 STIP/MTIP Modification #18-2**
- c. **Resolution approving 2018-2027 STIP/MTIP Amendment #18-1**
- d. **Resolution supporting an effort to explore the possible sequencing of the construction of the Cape Fear Crossing and replacement of the Cape Fear Memorial Bridge**
- e. **Resolution adopting the 2018 Legislative Agenda**

Ms. Bunch made a motion to approve the Consent Agenda and to forward Items 4a through 4e to the Board for consideration. Ms. Kimes seconded the motion, and it carried unanimously.

5. **Regular Agenda**

- a. **Resolution approving the Wilmington Urban Area MPO's FY 19 Unified Planning Work Program**

Mr. Kozlosky reminded members that a draft was presented to the committee in January. Since that time, the STP-DA budget has been increased by \$20,000 to implement recommendations from the compensation analysis. He noted that the Board has directed staff to take this through the City's budgeting process.

Ms. Barefoot made a motion to approve the Resolution approving the Wilmington Urban Area MPO's FY'19 Unified Planning Work Program. Ms. Roth seconded the motion, and it carried unanimously.

- b. **Resolution Certifying the Transportation Planning Process for the Wilmington Urban Area MPO**

Mr. Kozlosky reminded members that the MPO is required to certify annually its transportation planning process in a continuing, cooperative and comprehensive manner in compliance with federal regulations. He noted that this resolution acknowledges and certifies compliance.

Ms. Bunch made a motion to approve the Resolution Certifying the Transportation Planning Process for the Wilmington Urban Area MPO. Ms. Kimes seconded the motion, and it carried unanimously.

- c. **Resolution supporting the allocation of Direct Attributable funds to the Town of Carolina Beach for the Cape Fear Multi-use Path**

Ms. Kimes stated that the Town of Carolina Beach bid its second STP-DA project recently and it came in slightly over budget. She noted that this resolution will cover the additional needs.

In response to an inquiry by Mr. Serkin, Ms. Kimes stated that contingency is included in all project bids. She noted that the quantities are never exact. She added that sometimes streetscape improvements are included.

Mr. Kozlosky stated that the Board has approved the use of FY'18 funds to cover cost overruns.

Following further discussion, Ms. Matheny made a motion to approve the Resolution supporting the allocation of Direct Attributable funds to the Town of Carolina Beach for the Cape Fear Multi-use Path. Mr. Serkin seconded the motion, and it carried unanimously.

**d. Resolution supporting the allocation of FY18 Direct Attributable funds to the Cape Fear Public Transportation Authority**

Ms. Kimes stated that all of the projects for FY18 funds that were estimated or awarded were reviewed with current estimates. Wave Transit has requested the same allocation as last year. She added that the \$591,000 would be used for ADA improvements such as bus stop enhancements.

In response to an inquiry by Mr. Serkin, Ms. Kimes estimated that about \$400,000 would remain as surplus, assuming that all projects go to bid this year.

Mr. Kozlosky pointed out that the modal targets of 20 percent equates to \$591,000. He reminded members that the MPO Board approved the use of surplus funds for overages and for Wave Transit. Although this is the process for this year, the allocation of resources for FY19 still needs to be determined.

Ms. Matheny stated that the STP-DA Subcommittee met to discuss the process for FY19.

Ms. Ayers made a motion to approve the Resolution supporting the allocation of FY18 Direct Attributable funds to the Cape Fear Public Transportation Authority. Mr. Bennett seconded the motion, and it carried unanimously.

**6. Discussion**

**a. Socio-economic Data Projections**

Ms. Sarder gave an update on the socio-economic data projections. She acknowledged the presence of members of the socio-economic data committee who have been collecting parcel data for new housing units since. She noted that the last one was received on Monday and will be reviewed and incorporated into the model. She added that employment information was verified as well. She stated that the base year model should be complete by the end of this month and the future model, by June.

In response to an inquiry by Mr. Kozlosky, Ms. Sarder stated that the committee will be reconvened for future year data verification.

In response to an inquiry by Mr. Serkin, Ms. Sarder stated that a presentation would be given to the TCC and the Board in April.

In response to an inquiry by Mr. Bennett regarding an interactive model that could be updated on the fly, Ms. Sarder stated that the current model is merely an update. She noted that the next model would be developed from scratch. She acknowledged that the committee worked diligently to update the model that includes more than 600 TAZs.

## 7. Updates

### a. MPO Staffing

Mr. Kozlosky introduced the newest staff member, Fred Royal, Project Engineer, who started on March 5<sup>th</sup>.

Mr. Royal expressed appreciation and gave some background information.

Mr. Kozlosky noted that other updates are included in the agenda packet.

## 8. Announcements

➤ NCDOT's Public Transportation Statewide Strategic Plan Summit: March 21<sup>st</sup>  
Ms. Matheny offered members the option of carpooling to Raleigh.

➤ Next WMPO Bike/Ped Committee meeting: April 10<sup>th</sup>  
Mr. Kozlosky stated that appointments are still needed from the City of Wilmington, the Cape Fear Public Transportation Authority and the Town of Kure Beach. He noted that the River to the Sea Bike Ride event has been scheduled for May 5<sup>th</sup>.

➤ NCPTA Conference: April 23<sup>rd</sup>-25<sup>th</sup>  
Ms. Matheny stated that the conference would be held at the Wilmington Convention Center. She noted that the keynote speaker will discuss autonomous vehicles and encouraged anyone with an interest to attend.

Mr. Kozlosky stated that the next TCC meeting will be on April 11<sup>th</sup> at the usual time at this location (the Harnett Room of the Main Branch of the New Hanover County Public Library).

In response to an inquiry by Ms. Matheny, Mr. Kozlosky stated that the Citizens Advisory Committee (CAC) is structured the same as in the past. He noted that the kickoff event is scheduled for April 3<sup>rd</sup> at the Northeast Branch of the New Hanover County Public Library. He added that two speakers have been secured, Board Vice Chair Pat Batleman and CAC Chair Laura Padgett. He noted that the speakers will be sandwiched between two open houses.

Mr. Kozlosky stated that presentations to the boards and member jurisdictions are scheduled for April; five open houses at various locations in May; and public comment will be collected through July 31<sup>st</sup>. Then, stakeholders in modal subcommittees will meet and develop project lists. Also, the consultant, WSP, has been contracted to help with public outreach and the financial analysis; although most of the effort will be in-house.

Ms. Matheny requested a "save-the-date" for the April 3<sup>rd</sup> kick-off event to share with members' distribution networks. Ms. Lorenzo stated that one was sent to Ms. Lacer and that it has also been shared on social media.

Ms. Bunch expressed concerns regarding social media and requested that traditional media be used. Mr. Kozlosky responded that a press release is being prepared; and will be distributed.

**9. Adjournment**

With no further items, the meeting was adjourned at 11:06 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 APPROVING AN ADMINISTRATIVE MODIFICATION #18-3 TO THE  
2018-2027 STATE/MPO TRANSPORTATION IMPROVEMENT PROGRAMS FOR  
PERFORMANCE MANAGEMENT**

**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/Metropolitan Transportation Improvement Programs on August 30, 2017; and

**WHEREAS**, the Wilmington Urban Area Metropolitan Planning Organization desires to modify the adopted 2018-2027 Transportation Improvement Program to ensure compliance with federal law; and

**WHEREAS**, 23 CFR 450.326 (d) states that “the TIP shall include, to the maximum extent practicable, a description of the anticipated effect of the TIP toward achieving the performance targets identified in the metropolitan transportation plan, linking investment priorities to those performance targets”; and

**WHEREAS**, the amended language needs to be in the MPO’s Transportation Improvement Program by May 27, 2018 or FHWA will not recognize any future TIP modifications for the MPO after that date; and

**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 to include the following language:

*The Wilmington Urban Area Metropolitan Planning Organization has established performance management targets for highway safety and for transit tier 2 providers that chose to participate in NCDOT’s Group Transit Asset Management (TAM) Plan and will establish federally mandated performance management targets for infrastructure condition, congestion, system reliability, emissions and freight movement. The Wilmington Urban Area Metropolitan Planning Organization anticipates meeting their identified targets with the mix of projects included in the TIP.*

**ADOPTED** at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on April 18, 2018.

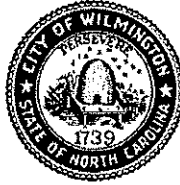
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David Piepmeyer, Chair

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Mike Kozlosky, Secretary

# Resolution



City Council  
City of Wilmington  
North Carolina

Introduced By: Sterling B. Cheatham, City Manager

Date: 4/3/2018

**Resolution Authorizing the City Manager to Pursue Additional Funding and Committing Additional Matching Funds for the City of Wilmington's 2014 Surface Transportation Program Direct Attributable Project U-5534N which is the Shipyard Bus Pullout and Sidewalks Project**

**LEGISLATIVE INTENT/PURPOSE:**

In 2014, the City of Wilmington was awarded federal funds from the Surface Transportation Direct Attributable (STP-DA) program for the design, permitting, and construction of the Shipyard Boulevard Bus Pullout and Sidewalks project (U-5534N).

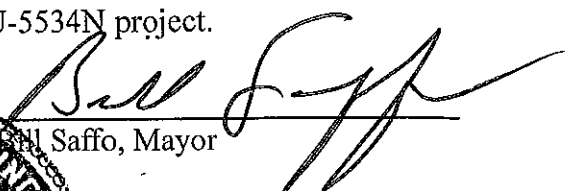
The City of Wilmington entered into an agreement with the North Carolina Department of Transportation (NCDOT) to receive federal funding from the STP-DA program in the amount of \$240,000 for the design, permitting, and construction of the U-5534N project with the City committing to a matching amount of \$60,000 to pay for the \$300,000 total estimated project cost of the U-5534 project.

The current estimated project cost, based on final design plans and specifications, is \$400,000. An additional \$100,000 in funding is required to move forward with the bid, award, and construction of the project. The additional funding is primarily associated with the original estimate being based on a high level, conceptual layout rather than an engineered design, as well as increases in construction costs over time. Approval of the resolution will allow the City of Wilmington to pursue an additional \$80,000 in STP-DA program funding in conjunction with a \$20,000 City match from the 17SW20 Pedestrian / Bike Improvements project to provide sufficient funds to move the project forward.

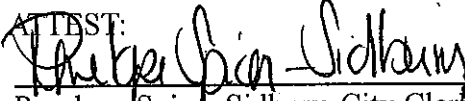
**THEREFORE, BE IT RESOLVED:**

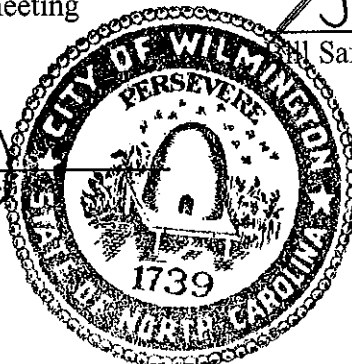
THAT, the Wilmington City Council authorizes the City Manager to pursue an additional \$80,000 in STP-DA program funding and authorizes an additional \$20,000 in City matching funds for the design and construction of the STP-DA U-5534N project.

Adopted at a Regular meeting  
on April 3, 2018

  
Bill Saffo, Mayor

ATTEST:

  
Penelope Spicer-Sidbury, City Clerk



**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION  
BOARD**

**RESOLUTION SUPPORTING THE ALLOCATION OF ADDITIONAL SURFACE  
TRANSPORTATION BLOCK GRANT PROGRAM- DIRECT ATTRIBUTABLE FUNDS TO  
THE CITY OF WILMINGTON FOR THE SHIPYARD BOULEVARD BUS PULLOUT AND  
SIDEWALK PROJECT**

**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**, on July 18, 2012 the Federal Transit Administration (FTA) and the Federal Highways Administration (FHWA) designated the Wilmington Urban Area Metropolitan Planning Organization as a Transportation Management Area (TMA); and

**WHEREAS**, Surface Transportation Block Grant Program- Direct Attributable (STBGP-DA) funds are available for all designated TMAs; and

**WHEREAS**, the STBGP-DA program was previously known as the Surface Transportation Program-Direct Attributable (STP-DA) program under Moving Ahead for Progress in the 21st Century Act (MAP-21); and

**WHEREAS**, the Wilmington Urban Area Metropolitan Planning Organization's Board allocated FY 14 STP-DA funds to the Shipyard Bus Pullout and Sidewalk project for the construction of a bus pullout along Shipyard Boulevard and sidewalk that will begin at Rutledge Drive and terminate at Vance Street; and

**WHEREAS**, the City of Wilmington has requested an additional \$80,000 from the Wilmington Urban Area Metropolitan Planning Organization for un-anticipated project costs; and

**WHEREAS**, by Resolution the City of Wilmington has approved the required 20% local match.

**NOW THEREFORE**, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby supports the allocation of additional STBGP-DA funds to the City of Wilmington Shipyard Boulevard Bus Pullout and Sidewalk project.

**ADOPTED** at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on April 18, 2018.

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David Piepmeyer, Chair

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Mike Kozlosky, Secretary

## DRAFT Prioritization 5.0 Programmed Statewide Mobility Projects

*Projects Sorted by Division (ascending), then Score (descending)*

SPOT ID	Mode	TIP	Project Category	Route / Facility Name	From / Cross Street (Project Title for Aviation)	To	Description	Specific Improvement Type	Length (Miles)	Division(s)	County(s)	Statewide Mobility Quantitative Score (Out of 100)	Cost to NCDOT	Programmed Amount (2020-2029)	Draft Right-of-Way Date	Draft Construction Date	Funded Status
H090230	Highway	R-3419	Statewide Mobility	US 158 (Croatian Highway)	US 64-NC 12	Eastern End of Wright Brothers Memorial Bridge	Access Management Improvements A-80.7 and MP A-82.4 including rehabilitation/reconstruction of CSX SA-line bridge over the Roanoke River and construction of a new connection between CSX A-line and CSX SA-line at MP A-80.7, reconstruction of existing siding as main track between MP A-82.4 and MP A-84.7, and railroad signal construction to effectively create a second main track along the CSX A-line between the new connection at A-80.7 and the existing Weidon railroad control point at A-84.7. Additionally, the project includes closure of Carolina Avenue existing at-grade crossing (Crossing # 629 652L).	11 - Access Management	16.11	01	Dare	79.56	\$ 97,800,000	\$ 97,800,000	FY 2025	FY 2027	Statewide Mobility
R171422	Rail	P-5741	Statewide Mobility	CSX A Line			Freight rail infrastructure improvement or construction		11.00	01, 04	Northampton, Halifax	82.20	\$ 67,000,000	\$ 67,000,000	FY 2025	FY 2027	Statewide Mobility
R171669	Rail	P-5742	Statewide Mobility	NS/NCRR EC Line			Construction of grade separations at US 70 Eastbound (Crossing # 722 672A) and US 70 Westbound (Crossing # 949 747C) and closure of existing at-grade crossings near Newport.	Highway-rail crossing improvement	0.00	02	Craven	77.02	\$ 14,350,000	\$ 10,234,000	FY 2026	FY 2028	Statewide Mobility
H170112	Highway	U-6102	Statewide Mobility	US 70	SR 1309 (Glenburnie Road)		Improve Interchange	8 - Improve Interchange	2.00	02	Craven	75.74	\$ 10,800,000	\$ 6,500,000	FY 2027	FY 2029	Statewide Mobility
H090795-A	Highway	R-5777C	Statewide Mobility	US 70	Thurman Road	Havelock Bypass	Upgrade Roadway to Freeway and Construct Service Roads	2 - Upgrade Arterial to Freeway/Expressway	6.88	02	Craven	75.25	\$ 131,900,000	\$ 131,900,000	FY 2020	FY 2020	Statewide Mobility
R170187	Rail	P-5740	Statewide Mobility	CSX SE Line			The improved safety to the train operation is coupled with the increase in train speed from 10 mph to a 25 mph maximum. To increase the speed between Davis Yard and 3rd Street a program of tie and rail rehabilitation will be undertaken to bring the line of railroad from Class 1 to Class 2 Federal Railroad Authority track safety designation. Along with the rail and tie installation will come improvements to the highway grade crossing surfaces, curve re-alignments and upgraded switch operations. The project proposes to close three existing at-grade crossings (Martin Street near Hooper Street, Martin Street portion near 6th Street, and Clay Street) and improve 23 existing at-grade crossings.	Freight rail infrastructure improvement or construction	13.00	03	New Hanover	89.33	\$ 41,400,000	\$ 41,400,000	FY 2025	FY 2027	Statewide Mobility
A170920	Aviation	AV-5884	Statewide Mobility	ILM - Wilmington International Airport	ILM - Taxiway B Extension at Runway 24 Approach		Design and construct an extension of taxiway B at the approach of runway 24. Includes Project Request Number: 00003822	0535 - Runway Length: Taxiway Extension		03	New Hanover	88.82	\$ 500,000	\$ 500,000		FY 2027	Statewide Mobility
A170916	Aviation	AV-5885	Statewide Mobility	ILM - Wilmington International Airport	ILM - Runway 6-24 Pavement Rehabilitation		Rehabilitate runway 6-24 due to it exceeding its useful life of 20 years. Signs of alligator cracking in the pavement and exposed aggregate on the runway. This project will include all runway markings and possible taxiway markings. Includes Project Request Number: 00003787	0605 - Pavement Strength - Runway		03	New Hanover	87.48	\$ 500,000	\$ 500,000		FY 2027	Statewide Mobility

## DRAFT Prioritization 5.0 Programmed Statewide Mobility Projects

*Projects Sorted by Division (ascending), then Score (descending)*

SPOT ID	Mode	TIP	Project Category	Route / Facility Name	From / Cross Street (Project Title for Aviation)	To	Description	Specific Improvement Type	Length (Miles)	Division(s)	County(s)	Statewide Mobility Quantitative Score (Out of 100)	Cost to NCDOT	Programmed Amount (2020-2029)	Draft Right-of-Way Date	Draft Construction Date	Funded Status	
A150418	Aviation	AV-5798	Statewide Mobility	ILM - Wilmington International Airport	ILM - Terminal Apron Hot-Spot Improvements		Remediate Potential "Hot Spots" at Terminal Apron (Relocate Taxiway B at Air Carrier Apron, Remove Taxiway F, Remove Portion of Taxiway J) Includes Project Request Number: 00003434  This project will be designed and constructed to meet the new FAA requirements which does not allow direct access to or from an aircraft ramp to a runway. Includes Project Request Number: 00003810	1100 - Taxiway Requirements		03	New Hanover	86.55	\$ 500,000	\$ 500,000			FY 2026	Statewide Mobility
A170936	Aviation	AV-5886	Statewide Mobility	ILM - Wilmington International Airport	ILM - Taxiway J Improvements			1100 - Taxiway Requirements		03	New Hanover	83.20	\$ 500,000	\$ 500,000			FY 2027	Statewide Mobility
A170913	Aviation	AV-5887	Statewide Mobility	ILM - Wilmington International Airport	ILM - Midfield Taxiway Improvements		This project is FAA Hot Spot, which is considered a safety issue. This is an area located on the airport where a pilot may get confused due to one location with five possible choices of direction of travel near intersecting runways. Includes Project Request Number: 00003760	1100 - Taxiway Requirements		03	New Hanover	82.12	\$ 500,000	\$ 500,000			FY 2027	Statewide Mobility
A150114	Aviation	AV-5799	Statewide Mobility	ILM - Wilmington International Airport	ILM - Widen North-South Taxiway System		The airport has had plans to widen the North-South TWY system to make the width consistent throughout. Currently the TWY system width ranges from 51 to 75 feet. The project will also add shoulders and keep the TWY lights on pavement to reduce mowing and maintenance. Includes Project Request Number: 00002988	1100 - Taxiway Requirements		03	New Hanover	81.55	\$ 500,000	\$ 500,000			FY 2027	Statewide Mobility
H170604	Highway	U-4007F	Statewide Mobility	US 17 (Marine Blvd)	McDaniel Dr		Add left turn lane on McDaniel Dr.; add right turn lane on Workshop Ln; add cross-walks, curb ramps, ped signals, improve drainage structure under McDaniel Dr.	10 - Improve Intersection	0.50	03	Onslow	81.31	\$ 1,400,000	\$ 1,400,000	FY 2025	FY 2027	Statewide Mobility	
A150423	Aviation	AV-5796	Statewide Mobility	ILM - Wilmington International Airport	ILM - Widen Taxiways		Increase width of all taxiways to 75' that will accommodate all aircraft that utilize ILM. Includes Project Request Number: 00003450	1100 - Taxiway Requirements		03	New Hanover	80.16	\$ 500,000	\$ 500,000			FY 2026	Statewide Mobility
A150113	Aviation	AV-5797	Statewide Mobility	ILM - Wilmington International Airport	ILM - New Concrete Apron, Exiting Apron Overlay, and Taxiway A Tie-ins		Project includes overlay of existing WWII-era concrete pavement with new concrete pavement; construction of new concrete apron and bituminous tie-ins to Taxiway A; and construction of storm drain infrastructure (RCP to convey storm drainage from North GA Redevelopment Area to the existing Extended Dry Detention Basin). The project is in accordance with the Airport's GA Master Plan as well as the Stormwater Master Plan Permit. Includes Project Request Number: 00003413	1200 - Aircraft Apron / Helipad Requirements		03	New Hanover	77.27	\$ 500,000	\$ 500,000			FY 2026	Statewide Mobility
A150118	Aviation	AV-5801	Statewide Mobility	ILM - Wilmington International Airport	ILM - Air Carrier Apron Expansion		Construction for expansion of the Air Carrier Apron in support of the proposed terminal expansion project. Includes Project Request Number:	1200 - Aircraft Apron / Helipad Requirements		03	New Hanover	76.96	\$ 500,000	\$ 500,000			FY 2027	Statewide Mobility
A150101	Aviation	AV-5795	Statewide Mobility	ILM - Wilmington International Airport	ILM - GA Apron Expansion		Expand the GA Apron grassed area to paved surface to accommodate additional tie down space for aircraft. Includes Project Request Number: 00003432.	1200 - Aircraft Apron / Helipad Requirements		03	New Hanover	74.79	\$ 500,000	\$ 500,000			FY 2026	Statewide Mobility
H111256-B	Highway	R-5829B	Statewide Mobility	US 70	West of SR 1229 (Luby Smith Road)	East of SR 2314 (Pondfield Road)	Improve Existing US 70 to Freeway Standards from Luby Smith Road to Pondfield Road	2 - Upgrade Arterial to Freeway/Expressway	3.44	04	Johnston, Wayne	77.64	\$ 62,000,000	\$ 62,000,000	FY 2025	FY 2027	Statewide Mobility	

### DRAFT Prioritization 5.0 Programmed Statewide Mobility Projects

Projects Sorted by Division (ascending), then Score (descending)

SPOT ID	Mode	TIP	Project Category	Route / Facility Name	From / Cross Street (Project Title for Aviation)	To	Description	Specific Improvement Type	Length (Miles)	Division(s)	County(s)	Statewide Mobility Quantitative Score (Out of 100)	Cost to NCDOT	Programmed Amount (2020-2029)	Draft Right-of-Way Date	Draft Construction Date	Funded Status
H111256-A	Highway	R-5829A	Statewide Mobility	US 70	US 70 Bypass (West Terminus, East of SR 1408)	West of SR 1229 (Luby Smith Road)	Improve Existing US 70 to Freeway Standards from the West End of the US 70 Bypass to the Wayne/Johnston County Line	2 - Upgrade Arterial to Freeway/Expressway	3.45	04	Wayne	75.24	\$ 62,900,000	\$ 62,900,000	FY 2023	FY 2023	Statewide Mobility
H171573	Highway	I-6005	Statewide Mobility	I-87, US 64	US 64 Business (Wendell Blvd)	US 264	Widen I-87 from four to six lanes from Wendell Blvd to the US 64 / US 264 split	1 - Widen Existing Roadway	6.83	05	Wake	84.87	\$ 59,100,000	\$ 59,100,000	FY 2025	FY 2026	Statewide Mobility
H172171	Highway	I-6006	Statewide Mobility	I-40	NC 54 (Exit 273)	SR 1728 (Wade Ave)	Convert facility to a managed freeway ("managed motorway") with ramp metering and other ATM/ITS.	12 - Ramp Metering	15.76	05	Durham, Wake	83.91	\$ 54,530,800	\$ 54,550,000	FY 2025	FY 2025	Statewide Mobility
H149000-F	Highway	U-5774F	Statewide Mobility	I-40	NC 54 / Farrington Road / Falconbridge Road		Improve Interchange at I-40 and NC 54, construct grade separation and slip ramp at Farrington Road, construct interchange at Falconbridge Road, and provide a connector between Farrington and Falconbridge Roads	8 - Improve Interchange	2.00	05	Durham	83.43	\$ 94,100,000	\$ 79,000,000	FY 2025	FY 2028	Statewide Mobility
H171559	Highway	I-6007	Statewide Mobility	I-87, US 64	SR 2233 (Smithfield Road)		Convert interchange to DDI	8 - Improve Interchange	2.00	05	Wake	83.42	\$ 7,400,000	\$ 7,400,000	FY 2025	FY 2026	Statewide Mobility
R150272	Rail	P-5734	Statewide Mobility	NS/NCRR H Line CSX/NCRR S Line			Construction of 2 lane grade separation at SR 1655 (Trinity Road) and closure of existing at-grade crossing (Crossing # 630 657S) in Cary. Project includes purchase of ROW for full 4-lane divided section.	Highway-rail crossing improvement	0.00	05	Wake	83.07	\$ 36,865,000	\$ 36,865,000	FY 2025	FY 2028	Statewide Mobility
H171350	Highway	I-6010	Statewide Mobility	I-85	East of Midland Terrace at lane add/drop	Red Mill Road	Widen roadway and improve ramps (lengthen on ramps and remove two-way ramps).	1 - Widen Existing Roadway	3.19	05	Durham	79.58	\$ 102,800,000	\$ 32,000,000	FY 2027	FY 2029	Statewide Mobility
R150275	Rail	P-5736	Statewide Mobility	NS/NCRR H Line CSX/NCRR S Line			Construct Beryl Road extension to Royal Avenue and closure of existing Beryl Road at-grade crossing (Crossing # 630 647L) in Raleigh.	Highway-rail crossing improvement	0.00	05	Wake	78.07	\$ 3,196,000	\$ 3,196,000	FY 2026	FY 2027	Statewide Mobility
R141797	Rail	P-5706	Statewide Mobility	NS/NCRR H Line			Construct extension of East Durham Siding. Includes a combination of grade separations and closure at three crossings: Ellis Road - south end (734737A), Glover Road (734735L), and Wrenn Road (734736T).	Freight rail infrastructure improvement or construction	6.90	05	Durham	77.80	\$ 42,000,000	\$ 42,000,000	FY 2023	FY 2026	Statewide Mobility
R150279	Rail	P-5737	Statewide Mobility	CSX S Line			Construction of grade separation at SR 2108 (Millbrook Road) and closure of existing at-grade crossing (Crossing # 630605A) in Raleigh.	Highway-rail crossing improvement	0.00	05	Wake	77.72	\$ 13,350,000	\$ 13,350,000	FY 2026	FY 2028	Statewide Mobility
R171513	Rail	P-5738	Statewide Mobility	NS/NCRR H Line			Construction of grade separation at Vandora Springs Road and closure of existing at-grade crossing (Crossing #735 324J) in Garner.	Highway-rail crossing improvement	0.00	05	Wake	77.64	\$ 12,725,000	\$ 12,725,000	FY 2026	FY 2028	Statewide Mobility
R171528	Rail	P-5739	Statewide Mobility	CSX S Line			Construction of grade separation of SR 1415 (SW Maynard Road) and closure of existing at-grade crossing (Crossing # 643 400U) in Cary.	Highway-rail crossing improvement	0.00	05	Wake	75.99	\$ 15,880,000	\$ 15,880,000	FY 2027	FY 2029	Statewide Mobility
H111022-C	Highway	U-6066	Statewide Mobility	US 1	NC 55	US 64	Widen roadway to six lanes	1 - Widen Existing Roadway	3.13	05	Wake	74.60	\$ 58,300,000	\$ 58,300,000	FY 2024	FY 2026	Statewide Mobility
H129617	Highway	R-2829	Statewide Mobility	NC 540 (New Route - Eastern Wake Freeway (Toll))	I-40	I-87, US 64	Construct Freeway on New Location (toll)	5 - Construct Roadway on New Location	10.61	05, 04	Wake, Johnston	82.45	\$ 390,105,000	\$ 209,215,000	FY 2027	FY 2027	Statewide Mobility
H172036	Highway	U-6101	Statewide Mobility	I-440, I-40, I-87, US 1	I-540 North of Raleigh	NC-540 South of Raleigh	Convert interstates and freeways to managed motorways including, I-40 from Wade Ave to NC 42, I-440, I-87 to I-540, and US-1 south to NC-540.	12 - Ramp Metering	53.19	05, 04	Wake, Johnston	81.22	\$ 130,273,200	\$ 97,725,000	FY 2026	FY 2027	Statewide Mobility

### DRAFT Prioritization 5.0 Programmed Statewide Mobility Projects

Projects Sorted by Division (ascending), then Score (descending)

SPOT ID	Mode	TIP	Project Category	Route / Facility Name	From / Cross Street (Project Title for Aviation)	To	Description	Specific Improvement Type	Length (Miles)	Division(s)	County(s)	Statewide Mobility Quantitative Score (Out of 100)	Cost to NCDOT	Programmed Amount (2020-2029)	Draft Right-of-Way Date	Draft Construction Date	Funded Status
H090366-B	Highway	U-6067	Statewide Mobility	I-40	US 15-501 Interchange including Mt. Moriah Road and SW Durham Drive Intersections		Improve Interchange Area including Mount Moriah Road and SW Durham Drive	7 - Upgrade At-grade Intersection to Interchange or Grade Separation	2.00	05, 07	Durham, Orange	77.57	\$ 195,300,000	\$ 160,225,000	FY 2025	FY 2027	Statewide Mobility
H151036	Highway	U-5930	Statewide Mobility	NC 24, NC 87 (North Bragg Boulevard)	SR 1451 (Manchester Road)		Construct an interchange	7 - Upgrade At-grade Intersection to Interchange or Grade Separation	2.00	06	Cumberland	79.86	\$ 45,000,000	\$ 45,000,000	FY 2023	FY 2025	Statewide Mobility
A151026	Aviation	AV-5803	Statewide Mobility	GSO - Piedmont - Triad International Airport	GSO - Taxiway F and Bridge over Ted Johnson Parkway		Taxiway F This taxiway will increase our capacity and improve aircraft movement around the airfield. This includes a Taxiway bridge over Ted Johnson Parkway. #3473 FY 2027	1100 - Taxiway Requirements		07	Guilford	89.64	\$ 500,000	\$ 500,000		FY 2024	Statewide Mobility
A151027	Aviation	AV-5800	Statewide Mobility	GSO - Piedmont - Triad International Airport	GSO - Taxiway J		Taxiway J This taxiway will increase our capacity and improve aircraft movement between Taxiway D and J2. This is adjacent to our Fixed Based Operator and this area can be a bottleneck for commercial service and general aviation. #3474 FY 2025	0535 - Runway Length: Taxiway Extension		07	Guilford	88.04	\$ 500,000	\$ 500,000		FY 2023	Statewide Mobility
H171759	Highway	I-6004	Statewide Mobility	I-40, I-85	SR 3056 (Rock Creek Dairy Rd.)		Upgrade interchange area to improve safety and reduce congestion and delay	8 - Improve Interchange	2.00	07	Guilford	87.82	\$ 5,500,000	\$ 5,500,000	FY 2025	FY 2026	Statewide Mobility
H090010-A	Highway	I-3306A	Statewide Mobility	I-40	I-85	US 15/501	Add Additional Lanes.	1 - Widen Existing Roadway	11.74	07	Orange	83.80	\$ 99,800,000	\$ 99,800,000	FY 2025	FY 2026	Statewide Mobility
H150228	Highway	I-5984	Statewide Mobility	I-85	NC 86		Construct new interchange to accommodate increased traffic - Diamond with 2-lane and 4-lane widened NC 86 on bridge with turn lanes.	8 - Improve Interchange	2.00	07	Orange	83.80	\$ 25,100,000	\$ 25,100,000	FY 2024	FY 2026	Statewide Mobility
R171956	Rail	P-5735	Statewide Mobility	NS Main Line			Construction of grade separation at Yanceyville Street and closure of existing at-grade crossing (Crossing # 722 542D) in Greensboro.	Highway-rail crossing improvement	0.00	07	Guilford	82.97	\$ 15,390,000	\$ 15,390,000	FY 2025	FY 2027	Statewide Mobility
H172025	Highway	I-6009	Statewide Mobility	I-40, I-85	SR 1158 (Huffman Mill Road)		Construct additional right turn lane from Westbound I-40 ramp to Southbound Huffman Mill Road and Improve intersection operations (additional right turn lane Southbound Huffman Mill) at Garden Street Intersection.	8 - Improve Interchange	0.50	07	Alamance	81.94	\$ 1,936,000	\$ 1,936,000	FY 2025	FY 2026	Statewide Mobility
A151029	Aviation	AV-5802	Statewide Mobility	GSO - Piedmont - Triad International Airport	GSO - Northwest Apron		Northwest Apron This apron will increase capacity for future expansion.#3475 FY2026	1200 - Aircraft Apron / Helipad Requirements		07	Guilford	81.91	\$ 500,000	\$ 500,000		FY 2023	Statewide Mobility
H171404	Highway	U-6100	Statewide Mobility	US 29	Gate City Blvd	Summit Hills	Implement access management and safety improvements. Includes ramp closures and consolidations.	11 - Access Management	5.09	07	Guilford	79.78	\$ 67,000,000	\$ 45,000,000	FY 2026	FY 2028	Statewide Mobility
H149001-C	Highway	U-5304E	Statewide Mobility	US 15, US 501	Manning Drive		Construct Interchange	7 - Upgrade At-grade Intersection to Interchange or Grade Separation	2.00	07	Orange	79.48	\$ 37,800,000	\$ 37,800,000	FY 2026	FY 2028	Statewide Mobility
H149001-B	Highway	U-5304B	Statewide Mobility	US 15, US 501	US 15-501 / NC 86 interchange (South Columbia Street)	US 15-501 / NC 54 interchange (Raleigh Road)	Construct capacity improvements and add sidewalks, wide-outside lanes, and transit accommodations.	4 - Upgrade Arterial to Superstreet	2.12	07	Orange	76.95	\$ 28,600,000	\$ 28,600,000	FY 2026	FY 2028	Statewide Mobility
H149001-A	Highway	U-5304A	Statewide Mobility	US 15, US 501	NC 54 / NC 86 (South Columbia St)		Improve interchange	8 - Improve Interchange	2.00	07	Orange	76.47	\$ 33,300,000	\$ 33,000,000	FY 2026	FY 2028	Statewide Mobility



### DRAFT Prioritization 5.0 Programmed Statewide Mobility Projects

Projects Sorted by Division (ascending), then Score (descending)

SPOT ID	Mode	TIP	Project Category	Route / Facility Name	From / Cross Street (Project Title for Aviation)	To	Description	Specific Improvement Type	Length (Miles)	Division(s)	County(s)	Statewide Mobility Quantitative Score (Out of 100)	Cost to NCDOT	Programmed Amount (2020-2029)	Draft Right-of-Way Date	Draft Construction Date	Funded Status	
H171112	Highway	I-0305	Statewide Mobility	I-85	West of SR 1006 (Orange Grove Road)	West of SR 2413 (Sparger Road) near the Durham County Line	Widen I-85 with one lane in each direction with no interchange improvements.	1 - Widen Existing Roadway	7.82	07, 05	Orange, Durham	81.88	\$ 133,400,000	\$ 100,400,000	FY 2025	FY 2027	Statewide Mobility	
H149001-E	Highway	U-5304F	Statewide Mobility	US 15, US 501	SR 1742 (Ephesus Church Road)	I-40	Construct capacity improvements and add sidewalks, wide-outside lanes, and transit accommodations.	4 - Upgrade Arterial to Superstreet	1.75	07, 05	Orange, Durham	79.79	\$ 34,500,000	\$ 34,500,000	FY 2026	FY 2028	Statewide Mobility	
H090605-A	Highway	I-5981	Statewide Mobility	I-40	US 311	I-40 Business/US 421	Widen interstate from 4 Lanes to Six Lanes Between US 311 and I-40 Bus/US 421.	1 - Widen Existing Roadway	10.13	09, 07	Forsyth, Guilford	78.55	\$ 155,705,560	\$ 89,308,000	FY 2025	FY 2028	Statewide Mobility	
H111235	Highway	U-6068	Statewide Mobility	US 421	I-74 (Winston-Salem Northern Beltway)	I-40	Widen to 6 Lane Freeway.	1 - Widen Existing Roadway	6.69	09, 07	Forsyth, Guilford	77.04	\$ 110,927,000	\$ 15,956,000	FY 2029	After 2029	Statewide Mobility	
A171058	Aviation	AV-5879	Statewide Mobility	CLT - Charlotte Douglas International Airport	CLT - Fourth Parallel Runway Construction		Construct the fourth parallel runway of 12,000 feet in length and 150 feet in width, associated end-around-taxiways, and hold pads. (3667)	0500 - Runway Length/Width		10	Mecklenburg	99.64	\$ 500,000	\$ 500,000		FY 2025	FY 2025	Statewide Mobility
H171451	Highway	I-6012	Statewide Mobility	I-85	I-485		Interchange improvements - multiple ramp widening and merging enhancements	8 - Improve Interchange	2.00	10	Mecklenburg	90.25	\$ 11,000,000	\$ 11,000,000	FY 2025	FY 2026	Statewide Mobility	
A171055	Aviation	AV-5880	Statewide Mobility	CLT - Charlotte Douglas International Airport	CLT - West Ramp Expansion Phase I		design and construct aircraft ramp that will accommodate Concourse A Expansion ? Phase I to provide additional aircraft parking and taxi lane. This ramp will be 180,200 square yards of cement treated base. This phase includes reconfiguring taxi lanes/taxiways on the end of existing Concourse A to meet FAA design standards and to allow for the bidirectional flow which will be made possible by the construction of dual taxi lanes from Taxiway E 11 to the north (3543)	1100 - Taxiway Requirements		10	Mecklenburg	90.05	\$ 500,000	\$ 500,000		FY 2025	FY 2025	Statewide Mobility
H171436	Highway	I-6013	Statewide Mobility	I-85	NC 24 (W.T. Harris Boulevard)		Conversion of existing interchange to diverging diamond interchange	8 - Improve Interchange	2.00	10	Mecklenburg	89.47	\$ 20,500,000	\$ 20,500,000	FY 2025	FY 2027	Statewide Mobility	
H140359-A	Highway	I-5718A	Statewide Mobility	I-77	South Carolina State Line	I-277 / US 74 (Belk Freeway) [Exit 9]	Widen existing freeway by constructing four managed lanes (two in each direction) – includes the cost of the I-277 (Belk Frwy) interchange	1 - Widen Existing Roadway	9.37	10	Mecklenburg	89.36	\$ 551,440,000	\$ 464,706,000	FY 2024	FY 2026	Statewide Mobility	
H171441	Highway	I-6014	Statewide Mobility	I-77	I-85		Construct improvements at the I-77/I-85 system interchange. Construct two elevated flyover ramps from I-85 NB to I-77 NB and I-85 SB to I-77 SB	8 - Improve Interchange	2.00	10	Mecklenburg	88.45	\$ 82,000,000	\$ 47,840,000	FY 2023	FY 2025	Statewide Mobility	
H150586	Highway	R-5871	Statewide Mobility	US 74 (Andrew Jackson Highway)	NC 742 (Graham Street)	Anson High School Road	Construct a median	11 - Access Management	1.50	10	Anson	85.64	\$ 4,500,000	\$ 4,500,000	FY 2025	FY 2026	Statewide Mobility	
H171667	Highway	I-6015	Statewide Mobility	I-485, NC 51 (Pineville-Matthews Road)	Park Road to Polk Street in Pineville		This project is intended to make improvements to the I-485/NC 51 interchange (Exit 64) and also making operational improvements along NC 51 between Park Road and Polk Street in Pineville. Division 10 is open to alternative solutions at this location.	8 - Improve Interchange	2.00	10	Mecklenburg	83.78	\$ 40,600,000	\$ 45,400,000	FY 2025	FY 2027	Statewide Mobility	

## DRAFT Prioritization 5.0 Programmed Statewide Mobility Projects

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SPOT ID	Mode	TIP	Project Category	Route / Facility Name	From / Cross Street (Project Title for Aviation)	To	Description	Specific Improvement Type	Length (Miles)	Division(s)	County(s)	Statewide Mobility Quantitative Score (Out of 100)	Cost to NCDOT	Programmed Amount (2020-2029)	Draft Right-of-Way Date	Draft Construction Date	Funded Status
H171432	Highway	I-6016	Statewide Mobility	I-85	I-485 west of Charlotte		This project is intended to make improvements to the I-485/I-85 interchange in west Charlotte. The interchange currently experiences high levels of congestion and poor operations. Targeted improvements are to the I-485 inner to I-85 southbound movement.	8 - Improve Interchange	2.00	10	Mecklenburg	82.69	\$ 12,700,000	\$ 12,700,000	FY 2025	FY 2026	Statewide Mobility
R171151	Rail	P-5744	Statewide Mobility	CSX SF Line	SR 1377 (Wesley Chapel Stouts Road)		Construct grade separation of SR 1377 (Wesley Chapel Stouts Road) and closure of existing at-grade crossing (Crossing # 631 925D) to enhance Stouts Siding usage in Indian Trail.	Highway-rail crossing improvement	0.00	10	Union	82.30	\$ 10,000,000	\$ 10,000,000	FY 2025	FY 2027	Statewide Mobility
A171066	Aviation	AV-5881	Statewide Mobility	CLT - Charlotte Douglas International Airport	CLT - West Ramp Expansion Phase II		Design and construct the remaining portion of the ramp for Concourse A Expansion Phase II. (3668)	1200 - Aircraft Apron / Helipad Requirements		10	Mecklenburg	81.39	\$ 500,000	\$ 500,000		FY 2027	Statewide Mobility
H171445	Highway	U-6103	Statewide Mobility	US 74 (Independence Boulevard), NC 27	I-277 (Belk Freeway)	NC 27 (Albemarle Road)	Construct an additional managed lane in the median. The U-5526 project will convert the existing busway to a managed lanes facility with reversible operations depending on the peak traffic flow. This project will allow for two-way managed lane operations at all times.	1 - Widen Existing Roadway	3.50	10	Mecklenburg	79.64	\$ 76,800,000	\$ 61,715,000	FY 2025	FY 2027	Statewide Mobility
H171440	Highway	I-6017	Statewide Mobility	I-85	SR 2472 (Mallard Creek Church Road)		Construct two additional constrained loops within the interchange.	8 - Improve Interchange	2.00	10	Mecklenburg	79.40	\$ 20,500,000	\$ 5,500,000	FY 2028	After 2029	Statewide Mobility
H171671	Highway	I-6019	Statewide Mobility	I-485	NC 49 (South Tryon Street)		This project is intended to improve the interchange at I-485/NC 49 (Exit 1) in southwest Charlotte. Additional improvements will be needed along NC 49 between Arrowood Road and Westinghouse Boulevard to reduce congestion and improve traffic operations in this area. Division 10 is open to alternative solutions.	8 - Improve Interchange	2.00	10	Mecklenburg	78.39	\$ 41,100,000	\$ 12,100,000	FY 2028	After 2029	Statewide Mobility
H171804	Highway	I-6022	Statewide Mobility	I-277	Kenilworth Avenue	North Davidson Street	This project will upgrade numerous interchanges and ramps along the I-277 Loop in Uptown Charlotte to improve safety, mobility and capacity. The project shall also include associated work along US 74 east to roughly Pecan Avenue and the US 74/277 interchange. Improvements shall be consistent with those specified in NCDOT Feasibility Study FS-1610A. Division 10 is open to alternative solutions.	8 - Improve Interchange	2.00	10	Mecklenburg	77.92	\$ 221,100,000	\$ 180,825,000	FY 2025	FY 2027	Statewide Mobility

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SPOT ID	Mode	TIP	Project Category	Route / Facility Name	From / Cross Street (Project Title for Aviation)	To	Description	Specific Improvement Type	Length (Miles)	Division(s)	County(s)	Statewide Mobility Quantitative Score (Out of 100)	Cost to NCDOT	Programmed Amount (2020-2029)	Draft Right-of-Way Date	Draft Construction Date	Funded Status
H171435	Highway	I-6020	Statewide Mobility	I-85	NC 16 (Brookshire Boulevard)		Conversion of existing interchange to diverging diamond interchange. Note: The Feasibility Study for the NC 16 corridor (FS-1510A) has revealed that the DDI would have a better LOS if the following intersection improvements were completed at the intersection of NC 16 and N. Hoskins Road: ?Northeast approach of N. Hoskins Road: Construct a dedicated right turn lane ?NC 16 : construct dedicated right turn lanes in both approaches. CRTPO and Division 10 Agree on scope of this project.	8 - Improve Interchange	2.00	10	Mecklenburg	76.00	\$ 27,300,000	\$ 12,000,000	FY 2028	After 2029	Statewide Mobility
H171686	Highway	R-5872	Statewide Mobility	US 421 (W King Street)	SR 1180 (Poplar Grove Connector)		Construct a roundabout at the intersection of US 421 (W King St.) and SR 1180 (Poplar Grove Connector)	10 - Improve Intersection	0.50	11	Watauga	79.62	\$ 1,500,000	\$ 1,500,000	FY 2025	FY 2026	Statewide Mobility
H171760	Highway	R-5874	Statewide Mobility	US 321	Deerfield Road, Meadowview Road		Realign offset intersections	21 - Realign Multiple Intersections	0.14	11	Watauga	75.22	\$ 8,100,000	\$ 2,000,000	FY 2028	After 2029	Statewide Mobility
H150309	Highway	I-5991A	Statewide Mobility	I-40	US 321 (Exit 123)	SR 1476 - Fairgrove Church Road (Exit 128)	Widen I-40 to six lanes from exit 123 to 128.	1 - Widen Existing Roadway	5.29	12	Catawba	81.24	\$ 137,700,000	\$ 137,700,000	FY 2024	FY 2026	Statewide Mobility
H141339-A	Highway	I-5985A	Statewide Mobility	I-85	South Carolina State Line	Exit 10 (US 74)	Widen four lanes to six lanes	1 - Widen Existing Roadway	10.17	12	Cleveland, Gaston	80.26	\$ 143,200,000	\$ 143,400,000	FY 2024	FY 2026	Statewide Mobility
H141339-B	Highway	I-5985B	Statewide Mobility	I-85	Exit 10 (US 74)	Exit 17 (US 321)	Widen from 6-lanes to 8-lanes.	1 - Widen Existing Roadway	6.92	12	Gaston	79.82	\$ 141,300,000	\$ 141,300,000	FY 2024	FY 2026	Statewide Mobility
H170803	Highway	I-6018	Statewide Mobility	I-40	I-240 / US 74 Alt		Upgrade interchange	8 - Improve Interchange	2.00	13	Buncombe	78.89	\$ 35,000,000	\$ 6,100,000	FY 2028	After 2029	Statewide Mobility
A171972	Aviation	AV-5882	Statewide Mobility	AVL - Asheville Regional Airport	AVL - Terminal Apron Expansion- South		Expand the existing terminal apron south of existing apron (3412 and 3500).	1200 - Aircraft Apron / Helipad Requirements		13	Buncombe	78.66	\$ 500,000	\$ 500,000		FY 2027	Statewide Mobility
A171974	Aviation	AV-5883	Statewide Mobility	AVL - Asheville Regional Airport	AVL - Terminal Apron Expansion - North		Expand terminal apron to the north of the existing apron (3621).	1200 - Aircraft Apron / Helipad Requirements		13	Buncombe	75.72	\$ 500,000	\$ 500,000		FY 2027	Statewide Mobility
H171821	Highway	I-6021	Statewide Mobility	I-40	SR 2838 (Porters Cove Road), Exit 55		Upgrade interchange, improve EB off-ramp connection to SR 2838 (Porters Cove Road)	8 - Improve Interchange	2.00	13	Buncombe	75.47	\$ 22,100,000	\$ 4,000,000	FY 2028	After 2029	Statewide Mobility
H171079	Highway	R-5873	Statewide Mobility	US 74	NC 108		Re-align interchange	8 - Improve Interchange	2.00	14	Polk	77.96	\$ 2,000,000	\$ 2,000,000	FY 2025	FY 2026	Statewide Mobility

## Proposed Revisions to 2018-2027 STIP/MPO TIP Programs

### STIP/MPO TIP Modifications # 18-4 (April 2018)

<p>* R-5753 STATEWIDE PROJ.CATEGORY EXEMPT</p>	<p>VARIOUS, FEDERAL LANDS TRANSPORTATION PROGRAM (FLTP). ROAD AND BRIDGE IMPROVEMENTS TO BE CONSTRUCTED ON TRANSPORTATION FACILITIES THAT ARE OWNED BY THE FEDERAL GOVERNMENT THAT PROVIDE ACCESS TO FEDERAL LANDS.</p>	<p>STATEWIDE PROJECT</p>	<p>CONSTRUCTION</p>	<p>FY 2018 - \$9,812,000 (FLTP) FY 2019 - \$1,794,000 (ERFO) FY 2019 - \$9,955,000 (FLTP) FY 2020 - <del>\$35,062,000</del> (FLTP) \$56,623,000</p>
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**PROJECT MODIFIED TO REFLECT CURRENT  
FUNDING LEVELS.**



# Cape Fear Crossing

## STIP U-4738

### Brunswick and New Hanover Counties

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#### PROJECT STATUS REPORT

April 2, 2018

##### 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 March:

##### Current Activities

- The project team continues to coordinate and correspond with project stakeholders.
- Studies for the Traffic Noise Analysis and Air Quality Analysis are ongoing.
- The draft Traffic Capacity Analysis has been reviewed by NCDOT and is being revised by the project team.
- The project team continues preparation of the Draft Environmental Impact Statement (DEIS).
- The project team is currently coordinating with NCDOT on design refinements for the detailed study alternatives.

##### Upcoming Activities

- The project team will revise designs per NCDOT comments and include any design revisions necessary upon finalization of the Traffic Capacity Analysis.
- A newsletter will be sent to notify citizens of the remaining alternatives under study.

##### Past Activities

- 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.
- Right-of-Way cost estimates and relocation reports have been completed.
- The project team received final concurrence from the NEPA/Section 404 Merger Team on Concurrence Point 2A – “Bridging Decisions and Alignment Review” on 8/17/17.
- The NEPA/Section 404 Merger Team reached Concurrence Point 2A – “Bridging Decisions and Alignment Review” on 5/30/17.
- 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](mailto:jgconforti@ncdot.gov), 919.707.6015; AECOM – Joanna Rocco, [joanna.rocco@aecom.com](mailto:joanna.rocco@aecom.com), 919.239.7179; Website: <http://www.ncdot.gov/projects/capefear/>; Email: [capefear@ncdot.gov](mailto:capefear@ncdot.gov); Hotline: 1.800.233.6315

**WILMINGTON MPO**  
**TRANSPORTATION PLANNING**  
**APRIL 2018**

**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. The plan update has been branded as Cape Fear Moving Forward 2045.

The Cape Fear Moving Forward 2045 Kick-Off Event was held April 3, 2018 from 4-6pm at the NHC Northeast Library. There were approximately 35 people in attendance and the event was covered by multiple media outlets. Remarks were given by Pat Batleman, WMPO Board Vice Chairwoman; Ron Lucas from FHWA; and Laura Padgett, CAC Chairwoman.

**Next Steps:**

- Present to the Local Members Boards in April
- Regional open houses scheduled for May in Carolina Beach, Leland, Hampstead, and Wilmington
- Modal subcommittees to convene in early summer and begin preparations for project lists, scoring, and ranking.
- 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 20<sup>th</sup>. Staff from the MPO and Town continue to work on the development of these standards.

**Next Steps:**

- The Town continues to review the document
- Hold a meeting with the development community to discuss the planning effort
- 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 plan will be revised by County and MPO staff to meet our needs.

**Next Steps:**

- Finalize Draft Plan
- 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: 9 reviews
- New Hanover County Informal Plan Reviews: 3 reviews
- New Hanover Concept Reviews: 3 reviews
- Town of Leland Formal Reviews: 4 reviews
- Town of Leland Informal Reviews: 0 reviews
- Town of Navassa Formal Reviews: 0 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: 10 total (New Hanover County 2, City of Wilmington 7, Carolina Beach 0, Leland 0, Navassa 1, and Pender County 0) new 2 and ongoing 8
- Pender County Development Plan Reviews: 8 reviews
- Pender County Informal Plan Reviews: 2 reviews
- Pender County Concept Reviews: 0 reviews
- City of Wilmington Formal Reviews: 61 (9 new, 52 on-going)
- City of Wilmington Informal Reviews: 16 (2 new, 14 on-going)
- City of Wilmington Concept Reviews: 14 ( 10 new concept reviews- 4 on-going concept)
- COW Project Releases: 10 Full releases

**STBGP-DA/TASA-DA FY 2013, 2014, 2015 and 2016 Project Status****STBGP-DA****U-5534B - CITY OF WILMINGTON- HEIDI TRASK DRAWBRIDGE**

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

**Project Status and Next Steps:**

- Construction contract awarded to Intercoastal Marine, LLC
- Additional funds approved by the City on September 5, 2017
- Additional modifications being made to the structure to span AT&T locations

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

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

##### **Project Status and Next Steps:**

- 100% plan comments sent back to Engineer
- Specifications comments sent back to Engineer
- R/W acquisition completed Spring 2018
- Bidding anticipated in Summer 2018

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

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

##### **Project Status and Next Steps:**

- Revised 90% plans/ROW plans and project schedule submitted to NCDOT on January 24, 2018
- The Town is working to complete a Supplemental Agreement with NCDOT
- NCDOT to determine project ownership
- Construction contract let is anticipated June 20, 2018

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

**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. The Town desires to combine the project with the awarded 2014 STP-DA project. Contract documents have been approved and are being finalized for advertisement. Initial funding has been approved by the Board and FHWA.

##### **Project Status and Next Steps:**

- The project is under construction

#### **U-5534F – CITY OF WILMINGTON – PARK AVENUE MUP – PHASE II**

**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 resubmitted to NCDOT for review
- The City has received the proposed Supplemental Agreement from NCDOT for \$240,000
- A supplemental agreement was approved in March by the City Council and is being routed for signatures
- Anticipated Let Date: To be determined once bid package approved



#### **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:**

- 65% plans complete.
- Awaiting final plans
- Anticipated Let Date: Summer 2018

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

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

#### **Project Status and Next Steps:**

- The City has provided the executed revised scope and amendment to McKim & Creed.
- Issues with the plans continue to exist. McKim & Creed is working on revising the plans.
- Anticipated Let Date of Fall 2018

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

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

#### **Project Status and Next Steps:**

- The City has provided the executed revised scope and amendment to McKim & Creed.
- Issues with the plans continue to exist. McKim & Creed is working on revising the plans.
- Anticipated Let Date of Fall 2018

#### **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:**

- 90% plans reviewed by NCDOT. Comments are being addressed.
- Right of way Certification-TBD
- Encroachment agreement will be needed once right-of-way is 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 5 foot wide sidewalks in three locations: along Village Road from Town Hall Drive going southeast to the existing sidewalk in front of the apartment complex, along Town Hall Drive from Village Road NE to the sidewalk currently under construction by the new Town Hall, and along Old Fayetteville Road from the existing sidewalk in front of the apartment complex to Village Road NE.

#### **Project Status and Next Steps:**

- The Leland Town Council approved a scope change at their July 2017 meeting

- 90% plans reviewed by NCDOT. Comments being addressed.
- Right of way acquisition underway

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

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

#### **Project Status and Next Steps:**

- 90% plans reviewed by NCDOT. Comments are being addressed.
- 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.

#### **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:**

- 100% plans approved by NCDOT
- A request for additional funds was approved at the April 3<sup>rd</sup> City Council meeting. A resolution will be considered on the April TCC and MPO Board meetings for these additional funds.
- Anticipated let date Summer 2018

#### **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:**

- Bids were opened January 23, 2018.
- Additional funds were approved by the MPO. The Town is moving forward with NCDOT on a supplemental agreement.
- Construction to start once additional funds are received

#### **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 City will provide additional survey regarding the drainage conflicts – survey update 95% complete
- The project has been put on hold until NCDOT’s resurfacing project moves forward.

#### **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:**

- 10% design completed

#### **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
- PE Advertisement to close on March 15, 2018

#### **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:**

- A supplemental agreement for additional funding was approved by the Wilmington City Council on September 5, 2017.
- The supplemental agreement was approved by the Board of Transportation
- The project is over budget. The city will try to rebid this project with the Gregory/Williston Safe Routes to School project.

#### **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:**

- New Hanover County has selected Davenport Engineering to complete the design.
- Davenport manhour estimate has been approved by NCDOT
- New supplemental agreement signed allowing for additional funding and time extension to December 31, 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

- Draft LOI for PE Services submitted and being revised by the Town
- Advertisement of PE Services is anticipated in early Summer2018
- Anticipated let date Spring 2019

### **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 if approved would fund 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 Coordinator position is currently vacant with the position closing on March 3<sup>rd</sup>. The MPO held a bike share meeting to discuss the bike-share concept.

### **Next Steps:**

- Continue to work with Pulsar on the development of the Go Coast strategic marketing plan. A meeting will be held on May 3, 2018
- Analyze data and results from the Go Coast Commuter Challenge and develop presentations to various groups reflecting our success
- Gather model alternative work schedule policies from various regional employers to be highlighted in the statewide initiative to showcase model alternative work schedules
- Schedule lunch and learns/presentations with area employers to promote Go Coast program
- Partner with large employers to determine vanpool options
- Partner with UNCW, Cape Fear Community College, and New Hanover Regional Medical Center to explore carpool matching options and guaranteed ride home strategies
- Coordinate with employers to implement 2 additional vanpool programs and potential Park & Ride lot locations
- Conduct Bike Share interviews



## Cape Fear Public Transportation Authority

### Project Update

April 2018

#### REGIONAL AUTHORITY PROJECTS

- 1. Bus fleet replacement** - identifying state and federal funding opportunities to replace eleven thirty-five foot buses, two trolleys, and three shuttles. The Authority has applied for funding from a nationwide discretionary grant program from Federal Transit and is working with the WMPO, City of Wilmington and NCDOT to identify opportunities regarding the allocation of \$92M in VW settlement funding.
- 2. Short Range Transportation Plan** - 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 late 2018 to coincide with the opening of the Wilmington Multimodal Transportation Center.
- 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 been retained to undertake the effort.
- 4. Shelter Program** - a program to replace and add up to 50 bus shelters and 25 benches at bus stops is underway. Construction of the first eight shelters is complete. Phase two, consisting of 12 shelters and 15 benches is currently under construction. Phase three

consisting of super stops at Hanover Center, and Monkey Junction is in the engineering and permitting phase.

Wave Transit is in discussion with the owners of Independence Mall to include transit improvements in coordination with redevelopment of the property.

## **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.  
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. Bids for Phase 3 were opened on March 13, 2018. On March 22, 2018, the Authority resolved to reject all bids due to the lowest bid exceeding available funds for the project. The Authority is developing plans to move the project forward.
- 2. Preventive Maintenance & ADA** - STBGP-DA funding in the amount of \$510,778 for preventive maintenance and ADA service throughout the region was approved by the WMPO in 2016. The process of flexing the funds from FHWA to FTA is complete and a grant for the funding has been submitted to FTA. 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 February 2018 the Authority provided 1,464 ADA passenger trips. The period of performance for the project is 07/01/2017 through 06/30/2018.
- 3. Replacement CNG Buses** - (no change) In February 2017 the WMPO appropriated \$744,000 in FHWA funding for two replacement CNG buses. The Authority has a contract for the vehicles with Gillig, LLC. A purchase order for the buses was approved by the Authority on June 22, 2017. Local matching funds have been appropriated by the City of Wilmington. The estimated delivery date is May 2018 for both vehicles.



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

JAMES H. TROGDON, III  
SECRETARY

April 6, 2018

**WMPO Project Update List**

**Project Update List for New Hanover County**

**Projects Under Construction**

**Contract C203922: Greenfield Lake:** Realign and upgrade intersection at SR 1436/US 421 and SR 1140 (Burnett Blvd.) south of Willard Street.

Original traffic pattern open December 2017

- Contractor has completed the culvert.
- Full intersection opened to Traffic
- Sewer line work away from traffic remains.
- Contractor working on punch list items.
- Punch list completion tentatively end of February

Contractor: Mountain Creek Contractors Inc.

Bid Amount: \$3,156,247.36

Completion Date: February 28, 2018

**Percent Complete: 100.0%**

**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.**

Work will continue to Mt. Misery and Cedar Hill Road until Spring of 2018.

**Roadway:** • Working on guardrail/guiderrail.

- Working on grading approach slabs for last incomplete structures on mainline.

Contractor: Barnhill Contracting

Estimated Completion Date: June 2018

**Percent Complete: 88.6%**

**R-2633 BB – (Wilmington Bypass: Bridge over Cape Fear River: C203198)** construct a 4-lane divided highway from SR 1430 (Cedar Hill Road) to US 421 (where I-140 currently ends in New Hanover County...this includes the large bridge over the Cape Fear River).

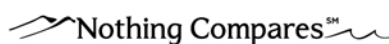
**Open to traffic on December 18, 2017.**

- 90% complete on the roadway portion of the project.

Contractor: Balfour Beatty Infrastructure

Estimated Completion Date: June 2018

**Percent Complete: 99.7%**



**B-5103: (C203540)** replace bridge #35 over the abandoned railroad on SR 1627 (3<sup>rd</sup> Street), in Wilmington.

Bid Amount: \$4,640,453.87

**Percent Complete: 99.9%. Waiting on final estimate.**

**U-3338B: (C203772)** Widening of Kerr Ave. from Randall Parkway to MLK, Jr. Prkwy. Installing storm drain throughout project, and grading Multi-Use Path at Kerr and Randall Prkwy. Multi-Use path at Kerr Ave. and Randall Prkwy. is paved.

- Mast arm for traffic signal has been installed at Kerr Ave. and Randall Prkwy.

Contractor: Sealand Contractors Corp.

Bid Amount: \$22,000,000.58

Estimated Completion date: November 2018

**Percent Complete: 62.9%**

**B-5236: (C203957)** Replace Bridge #19 over Lords Creek on SR-1100

**Start Date: November 2017**

**Anticipated Completion date: November 2018**

**Percent Complete: 24.5%**

**U-4751: (C203980) Military Cutoff Road Extension:** 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 complete.**

Construction forecasted from FY2017 - FY2022

- PNB is working on lowering their gas line throughout the project
- Spectrum boring and pulling cable
- Duke Energy working on clearing and installing power poles
- Precon was on Tuesday January 9, 2018
- Survey party finish staking wetland boundary for Duke clearing crews.

**Anticipated Completion date: April 2022**

**Percent Complete: 2.6%**

### Project Development

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

**Let Date June 2018**

**U-4902 C&D: US 17 Business (Market Street)** construct a “superstreet” (median) from SR 2734 (Marsh Oaks Drive) to Lendire Drive & from Station Road to US 74 (MLK Parkway/Eastwood Road).

**Let Date October 2018**

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

**Let Date December 2018**

**U-5710: US 74 (Eastwood Road)** from Burnett Avenue to US 117 (Shipyard Blvd) upgrade the roadway. **Let Date July 2021**



**U-5729: US 421 (Carolina Beach Road)** from Burnett Avenue to US 117 (Shipyard Blvd) upgrade the roadway. **Let Date July 2021**

**FS-1003B: Feasibility Study US 421 (Carolina Beach Road)** study the widening of roadway from Sanders Road to NC 132 (College Road). **Feasibility Study in progress.**

**U-5790: US 421 (Carolina Beach Road)** widen existing US 421 from Sanders Road to NC 132 (College Road) and construct fly-overs at Monkey Junction intersection  
**Design Build Selection Date January 2020**

**U-5731: US 74 (US 17/US 421 in Wilmington)**  
Construct a Fly-Over and Free Flow Ramp at interchange. **Let Date September 2022**

**R-5701: US 117 Business (Intersection of N. Walker Street and E. Wilmington Street)**  
Construct roundabout.  
**Let Date for construction: FY 2020**

**U-5734: US 421 (South Front Street)**  
Widen to multilanes from US17 Business/US 76/US 421 (Cape Fear Memorial Bridge) to US 421 (Burnett Blvd.)  
**Let Date September 2023. Right of Way and Utilities Let 2021**

**U-5710: US 74 (Eastwood Road)** construct an interchange at the at-grade intersection of SR 1409 (Military Cutoff Road) & US 74 (Eastwood Road)  
**Let Date January 2022**

**FS-1503A: Feasibility Study US 17 Bus. (Market Street)** study the at-grade intersection of US 17 Business (Market Street), US 74 (MLK Parkway) & US 74 (Eastwood Road) for installment of an interchange.  
**Feasibility Study in progress.**

**FS U-5734: Feasibility Study S. Front Street** study the widening of S. Front Street from the intersection of Burnett Blvd. and US 421 (Carolina Beach Road), to Dawson Street.  
**Environmental Assessment in progress.**

### [Resurfacing Contracts - New Hanover County](#)

**New Contract:** New Hanover County: Resurfacing Contract: 2018CPT.03.04.10651; C203888  
US 76 E. & W., US 421 (3) + NC State Port.  
**No activity to report to date**

**Mill & Resurface the following primary and secondary routes in New Hanover County:**  
2018CPT.03.03.10101 and 2018CPT.03.04.10651 DC00172

**US 17 Bus. East/US 76 East** – Ocean Hwy E. from New Hanover County Line northwest past underpass.

**US 17 Bus. W/US 76 West** – Ocean Hwy E.

**US 421 N. Ramp** – From US 421 to off ramp onto US 76/421

**US 17 Bus. E./US 76 E. (US Hwy. 74/76)** – From New Hanover County Line to Cape Fear Memorial Bridge. Bridge #13.

**US 17 Bus. W./US 76 W (US Hwy. 74/76)** - From New Hanover County Line to Cape Fear Memorial Bridge. Bridge #13.

**US 421 N. (Carolina Beach Rd.)** – From Snows Cut Bridge, north to SR 1187 (Sanders Road).

**US 421 S. (Carolina Beach Rd.)** – From Snows Cut Bridge south to SR 1187 (Sanders Road).

**NC 132 N. (South College Rd.)** – near SR 1521 (Piner Road) north to 17<sup>th</sup> Street.

**NC 132 S. (South College Rd.)** – From 17th Street south near SR 1521 (Piner Road).

**SR 1318 (Blue Clay Rd.)** – From the intersection of SR 1302 (23<sup>rd</sup> St.) and Blue Clay Rd. north to the intersection of Blue Clay Rd. and N. College Rd.

**SR 1492 (Myrtle Grove Rd.)**

**SR 1333 (Hermitage Rd.)** – From NC 133 to SR 2157 (Crowatan Rd.)

**SR 2158 (Hermitage Rd.)** – From SR 2157 (Crowatan Rd.) to end of road.

**SR 2157 (Crowatan Rd.)** – From NC 133 to SR 1333 (Hermitage Rd.)

**SR 2159 (Chesterfield Rd.)** – From end of SR 1333 (Hermitage Rd.) to end of SR 2159 (Chesterfield Rd.)

**SR 2228 (Dekker Rd.)**

**SR 1317 (Chadwick Ave.)** – From Castle Hayne Rd. to end of SR 1317 (Chadwick Ave.)

**SR 2697 (Memory Lane)** – From Bountiful to end of SR 2697 (Memory Lane).

**SR 1852 (Shore Point Dr.)**

**SR 1853 (Conch Dr.)**

**SR 1882 (Abalone Dr.) (Coquina Dr.) and (Cowrie Lane)** – Located off of Edewater Club Dr. in Porters Neck.

**SR 2908 (Conquina Dr.)** – Located off of Edewater Club Dr. in Porters Neck.

**SR 2537 (Duck Downe Ct.)**

**SR 2023 (Diamond Shamrock Rd.)** – Located off of SR 1002 (Holly Shelter Rd.)

**SR 1823 (Kenmore Dr.)** – Located off of SR 1403 (Middle Sound Loop Rd.)

**SR 1824 (Brandywine Circle)** – Located off of SR 1403 (Middle Sound Loop Rd.)

**SR 1826 (Homestead Ct.)** – Located off of SR 1403 (Middle Sound Loop Rd.)

**SR 1825 (Salem Ct.)** – Located off of SR 1403 (Middle Sound Loop Rd.)

**SR 2024 (Krauss Ln.)** – Located off of Division Dr.

**SR 2322 (Walker Ridge Ct.)** - Located off of Carolina Beach Rd. (North)

**SR 2326 (Bainbridge Ct.)** - Located off of Carolina Beach Rd. (North)

**SR 2327 (Alden Ct.)** - Located off of Carolina Beach Rd. (North)

**SR 2021 (Wordsworth Dr.)** – Located off of North College Rd.

**SR 2168 (Pine Knolls Rd.)** – Located off of SR 1322 (Murrayville Rd.)

**SR 2733 (Miranda Ct.)** – Located off of W. Northchase Prkwy.

**SR 2732 (Lakemoor Dr.)** – Located off of W. Northchase Prkwy.

**SR 2230 (Edward Hyde Place)** – Located off of W. Northchase Prkwy.

**SR 2231 (John Yeamen Rd.)** – Located off of SR 2230 (Edward Hyde Place)

**SR 2730 (Nevan Ln.)** – Located off of W. Northchase Prkwy.

SR 2004 (Kings Dr.) – Located off of N. Coilege Rd.  
SR 2264 (Jason Ct.)  
SR 2657 (William Louis Dr.)  
SR 2658 (Brandy Ct.)  
SR 1375 (Lockwood Dr.)  
SR 1376 (Glenlea Dr.)  
SR 1374 (Alandale Dr.) – Located off of N. Kerr Ave.  
SR 1377 (Lynbrook Rd.)  
SR 2206 (W. Northchase Prkwy.) – Located on N. College between SR 2257 (SE Northchase Prkwy.) and SR 2652 (NE Northchase Prkwy.)  
SR 2767 (Ammons Drive) – Located off of W. Northchase Prkwy.  
SR 2234 (Brittany Rd.) – Located off of SR 1322 (Murrayville Rd.)  
SR 2235 (Creek Ridge Rd.) – Located off of SR 1322 (Murrayville Rd.)  
SR 2117 (Shenandoah St.) – Located off of SR 1322 (Murrayville Rd.)  
SR 2072 (Kerry Dr.) – Located off of Holly Shelter Rd.  
SR 2073 (McGregor Rd.) – Located off of Holly Shelter Rd.  
SR 2074 (Berwick Dr.) – Located off of Holly Shelter Rd.  
**NC State Port Authority (Patching)**  
SR 1971 (Humphrey Dr.)  
SR 1345 (Alexander Rd.) – Located off of Market Street  
SR 1923 (Lost Tree Rd.) – Located off of N. Market Street  
SR 1930 (Bright Leaf Rd.)  
SR 1979 (Harlandale Rd.)  
SR 1989 (Haven Way) – Located off of Middle Sound Loop Rd.

Following roads are located off of SR 2048 (Gordon Rd.)

SR 2622 (Bay Blossom Dr.)  
SR 2626 (Winter Moss Ln.)  
SR 2665 (Hopscotch Dr.)  
SR 2666 (Sapling Circle)  
SR 2667 (Splitbrook Ct.)  
SR 2672 (Loblolly Ct.)

**Mill & resurface the following primary routes in New Hanover County: 2017CPT.03.07.20651.  
DC00172**

SR 1318 (Blue Clay Rd.) – from radius at intersection of SR 1322 (Kerr Ave.) to pvmt seam at US 117. 2.89 miles.  
SR 1324 (Sheridan Dr.) – from NC 133 to SR 1325 (Long Leaf Drive).  
SR 1325 (Long Leaf Dr.) – from SR 1326 (Laurel Drive) to SR 1358 (Holland Drive).  
SR 1326 (Laurel Dr.) – from SR 1358 (Holland Drive) to dead end.  
SR 1332 (Chair Rd.) – from NC 133 west on NC 133.  
SR 1382 (Garden Place Dr.) – from NC 132 to SR 1387 (Hyacinth Ave.)  
SR 1383 (Wedgewood Rd.) – from SR 1382 (Garden Place Dr.) to dead end.  
SR 1387 (Hyacinth Ave.) – from SR 1382 (Garden Place Dr.) to dead end.  
SR 1668 (Balsam Dr.) – from SR 1667 (Hickory Knoll Dr.) to SR 1668 (Balsam Dr.).  
SR 1669 (Darley Ln.) – from SR 1667 (Hickory Knoll Dr.) to SR 1686 (Royal Oak Dr.)  
SR 1686 (Royal Oak Dr.) – SR 1492 (Myrtle Grove Rd.) to SR 1667 (Hickory Knoll Dr.)

**SR 2071 (Arlene Dr.)** – from NC 133 to end of maintenance.  
**SR 2181 (Blue Clay Rd. / Dairy Farm Rd.)** – from SR 1002 (Holly Shelter Rd.) to SR 1336 (Sidbury Rd.).  
**SR 2199 (Creekstone Ln.)** – from SR 1335 (Parmele Rd.) to end of maintenance.  
**SR 2200 (Plum Tree Lane)** – from SR 2199 (Creekstone Ln.) to end of maintenance.  
**SR 2501 (Access Rd. to Monkey Jct.)** – from US 421 to US 421.  
**SR 1322 (Murrayville Rd.)** – from SR 2234 (Brittany Rd.) to SR 2691 (Retriever Dr.).  
**SR 2313 (Wilshire Blvd.)** – from west of SR 1175 (Kerr Ave.) to east of Rosemont Ave.  
**SR 1400 (Flutch Creek Rd./Champ Davis Rd.)** – from south of SR 2845 (Market Street) to SR 1491 (Porters Neck Rd.)  
**SR 2652 (Northchase Pkwy. NE)** – from US 117 to cul-de-sac

**Estimated Completion Date: February 2018**

**Percent Complete: 95.7%**

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

**US 421 (Carolina Beach Road)** – from 0.26 miles south of Independence Blvd. (non-system portion) to west of Lake Shore Drive (non-system)  
**US 117 Northbound Lanes (Shipyard Blvd)** – from US 421 to 0.05 miles east of US 421 (Carolina Beach Road)  
**US 117 Southbound Lanes (Shipyard Blvd)** – from 0.20 miles east of US 421 to US 421 (Carolina Beach Road)  
**US 421 Southbound Lanes (South 3<sup>rd</sup> Street)** – from US 76 (Dawson Street) to Greenfield Street (non-system)  
**US 421 Northbound Lanes (South 3<sup>rd</sup> Street)** – from Greenfield Street (non-system) to US 76 (Dawson Street)  
**US 17 Business (South 3<sup>rd</sup> Street)** – from US 76 eastbound lanes to US 76 westbound lanes.

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

**SR 1218 (16<sup>th</sup> Street)** – from US 76 westbound lanes (Wooster Street) to US 76 eastbound lanes (Dawson Street)  
**SR 1371 (16th St.)** - from Grace Street (non-system) to US 17 Business (Market Street)  
**SR 2816 (16th St.)** - from US 17 Business (Market Street) to US 76 westbound lanes (Wooster Street)  
**SR 1301 (17<sup>th</sup> Street)** - from US 17 Business (Market Street) to Grace Street (non-system)  
**SR 2817 (17th Street)** - from US 76 eastbound lanes (Dawson Street) to US 17 Business (Market Street)  
**SR 1411 (Wrightsville Avenue)** - from Dawson Street Extension (non-system) to SR 1209 (Independence Blvd.)

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

**SR 2699 (Amsterdam Way)** - from SR 2700 (Old Dairy Rd.) to SR 2048 (Gordon Rd.)  
**SR 2701 (Antilles Ct.)** - from SR 2698 (Netherlands Dr.) to end maintenance  
**SR 2698 (Netherlands Dr.)** - from SR 2048 (Gordon Rd.) to SR 2700 (Old Dairy Rd.)

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

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

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

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

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

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

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

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

**New Hanover:**

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

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

**No activity to report to date**

**New Hanover County: Resurfacing Contract: C203868, I-5760**

**I-140 (Wilmington Bypass)** resurface from I-40 to US 421 & reconstruction of bridge approaches, joint repair & signals.

Contractor: Barnhill Contracting Company

**Estimated Contract Completion Date: March 2018**

**Percent Complete: 73.0%**

**New Hanover County: Resurfacing Contract: 2017CPT.03.01.10651; C203888**

**US 117/NC 132 (College Road)** from US 17 Business (Market Street) to SR 2313 (Wilshire Blvd.)

**WBS #36249.3622; C203888** City of Wilmington signal plan modifications & work to install pedestrian upgrades at the intersection of US 117/NC 132 (S. College Road) and SR 2313 (Wilshire Blvd) to US-17 Business.

**Includes safety projects:**

**W-5203AA** construct offset left turn lanes on College Road & Hurst/Hoggard Drive upgrade pedestrian facilities to high visibility crosswalks w/ countdown pedestrian heads. Extend sidewalk to connect with existing sidewalk.

**W-5601BB** install high visibility crosswalks & push button pedestrian signals at the intersection of College Road & New Center Drive.

Contractor: Barnhill Contracting Company

**Estimated Contract Completion Date: February 2018**

**Percent Complete: 44.2%.**

## Project Update List for Brunswick County

### Projects Under Construction

**ER-2971: (DC00194) Ocean Isle Beach Roundabout** – Hwy 179 (Beach Drive) at Hwy 904 (Causeway Drive) SR 1184 (Ocean Isle Beach Road) in Ocean Isle

Contractor: Triangle Grading & Paving Inc.

Bid Amount: \$1,849,999.35

**Estimated Completion Date: May 2018**

**Percent Complete: 21.2%**

### Proposed Projects

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

**Let Date June 2018**

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

**Let Date ROW: FY 2018, construction: FY: 2020**

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

**Let Date ROW and construction: FY: 2020**

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

**Let Date construction: FY: 2020**

**U-5932: US 17** Convert Intersection to Interchange.

**Let Date construction: FY: 2024**

### **R-3436: Carolina Bays Parkway Extension**

#### **Project Overview and Purpose**

The N.C. Department of Transportation, along with the S.C. Department of Transportation, is planning to build a multi-lane expressway that extends Carolina Bays Parkway (S.C. 31) from S.C. 9 in Horry County, S.C., across the North Carolina state line to U.S. 17 in Brunswick County.

The extension would provide a more direct and efficient movement of traffic seeking to bypass congestion within the areas of Calabash in North Carolina as well as Little River and the Grand Strand areas in South Carolina. It would also improve traffic flow and safety at the intersection of S.C. 9 and S.C. 57 and provide a more direct route for coastal truck traffic moving through North Carolina.

#### **Project Highlights**

A team of engineering firms, led by CALYX Engineers and Consultants, is under contract to conduct project development and environmental studies, which are being led by NCDOT and SCDOT in cooperation with local, state and federal agencies in both states.

Project development and environmental studies are underway to evaluate potential routes for the roadway from an engineering and environmental standpoint and to select a preferred route.

Although the project is funded for study, no schedule has been established for right-of-way acquisition or construction, which is not currently funded in North Carolina.

- Capacity analysis for the existing roadways is about to get underway. They will be looking at current and future conditions.

### [Resurfacing Projects - Brunswick County](#)

**Resurfacing Contract: C203923, 2017CPT.03.06.10101 & 2017CPT.03.06.20101**

**Brunswick County primary routes: 1 Section of US 74/US 76, 2 Sections of NC 87, NC 179, NC 904/179, and 41 Sections of secondary roads.**

Contractor has started widening on 74/76, and starting to mill and fill on 74/76.

Contractor is close to completing mill and fill in Calabash at Beach Drive SW.

**Estimated Completion Date: May 2018**

**Percent Complete: 95.4%**

**Resurfacing Contract: I-5357, C203630, WBS #46176.3.FS1, Brunswick County secondary routes:**

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

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

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

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

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

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

Contractor: S.T. Wooten

**Percent Complete: 100.0%. Waiting on final estimate**

**New Contract: Resurfacing Contract: WBS: 2018CPT.03.03.10101, Brunswick County US 76 E. & W., US 421 N., NC 130, NC 179, NC 904.**

**No activity to report to date**

## Project Update List for Pender County

### Under Construction

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

Contractors placed concrete at the following locations: Bent 19, Pier's 6 and 8, Bent 20, Pier's 6 and 8. Contractors placed concrete at span A of the bridge deck. Contractors placed concrete at the Bent 12 columns.

Contractor: Balfour Beatty Infrastructure

Bid Amount: \$53,651,508.35

**Estimated Contract Completion Date November 2020**

**Percent Complete: 59.3%**

### Project Development

**R-3300B: US 17 Hampstead Bypass:** Construct a four lane divided roadway on mostly new location from NC 210 to Sloop Point Loop Road. **R-3300B currently funded in DRAFT 2018-2027 STIP. ROW and Utilities: FY 2018 – FY 2020.**

**Let date for construction: FY 2020**

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

**Convert to superstreet from SR 1582 (Washington Acres Road) to SR 1563 (Sloop Point Loop Road).** Median project has been combined with Hampstead Bypass to accelerate the completion of the Bypass.

**Let Date September 2020**

**R-3300B:** project may be accelerated to build and open the Bypass for use as a detour during the median project construction.

**Dan Owen Drive connector to Factory Road:** Roadway being constructed to alleviate traffic volume off of Hampstead Median Project while being built and to reduce the number of vehicle crashes. Currently staking ROW. NCDOT to construct connector road in 2018.

**R-3300A: US 17 Hampstead Bypass:** Construct a four lane divided roadway from NC 210 to I-140 south of Hampstead. **Currently unfunded section of Hampstead Bypass. However, Design and Right of Way has been approved. NCDOT is pursuing funds to meet the same construction let date as R-3300B.**

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

Convert to superstreet from SR 1582 (Washington Acres Road) to SR 1563 (Sloop Point Loop Road). **Note: Will be built in conjunction with Hampstead Bypass.**

**Let Date September 2020**



## Resurfacing Projects - Pender County

**Resurfacing Contract:** C204090, 2018CPT.03.05.10711, 2018CPT.03.05.20700 & 2018CPT.03.05.20712. 1-section of US-17, 1-section of NC-50, 1-section of NC-210, and 36 other various SR roads.

**Physical length:** 35.563 Miles

**Bid amount:** \$3,672,560.25

**Estimated Completion Date:** Not available

**Percent Complete:** Not available

**Brunswick County primary routes:** 1 Section of US 74/US 76, 2 Sections of NC 87, NC 179, NC 904/179, and 41 Sections of secondary roads.

Contractor has started widening on 74/76, and starting to mill and fill on 74/76.

Contractor is close to completing mill and fill in Calabash at Beach Drive SW.

**Estimated Completion Date:** May 2018

**Percent Complete:** 95.4%

## Additional updates

### Resurfacing & System Preservation

- College Road Project. Contractor has pulled off to complete other projects.
- I-140 Resurfacing is ongoing.
- This seasons resurfacing projects (Division wide) are underway.
- Next seasons resurfacing projects are being Let and soon to be underway.

### Project Team

Project Team is currently managing 94 active projects.

Managing 55 STIP Projects. 11 Safety Projects, 4 Bike/Ped Projects, and 24 Locally Administered Projects.

Working on assigning the latest 10 STIP projects to design firms. Scoping meetings will begin on these projects soon.

- **Project List updated March 23, 2018**

If you have any questions, please contact Alan Pytcher at the Division 3 Office:  
(910) 341-2000, [apytcher@ncdot.gov](mailto:apytcher@ncdot.gov)



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

JAMES H. TROGDON, III  
SECRETARY

April 2018

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

MARCH TPD UPDATES WILMINGTON MPO

April 2018

**Wilmington Model Update** – Wilmington MPO has requested that TPD update their model to a base year of 2015, previously the base year was 2010. The model is being updated so it can be accurately used in the next MTP. We are working on incorporating Base Year SE Data Verification. Once that is completed, the Board will adopt the base year data and we will move onto future year data.

**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 will develop one in the next few weeks.

**CTP 2.0** – The CTP 2.0 work is ongoing. TPD has given updates to many RPOs, MPOs and NCDOT employees that were involved in this process end of February.

**Performance Measures** – Performance management is a strategic approach that uses system information to make investment and policy decisions to achieve transportation system performance goals. TPD will be developing a committee with MPO and RPO representatives to establish targets and other requirements. NCDOT informed the MPOs via email on October 19, 2017 about the established safety targets. MPOs are reminded that they must establish safety targets by February 27, 2018.

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**Statewide Plan:** TPD has selected WSP as the consultant for the Statewide Plan. A scope and schedule will be developed soon. As stakeholders, MPO/RPOs will be engaged throughout the process.

**Corridor Studies:** Work is underway on the first two master plans, as follows:

- **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).

**Freight Plan:** The Statewide Freight Plan was adopted by the BOT in September 2017 and approved by FHWA on November 21, 2017. It can be found online at <https://connect.ncdot.gov/projects/planning/Statewide-Freight-Plan/Pages/default.aspx>.

**CMAQ:** Applications for funding in FFY 2019 are due in by March 15, 2018.

**Traffic Forecast:** The TF Shapefile is currently “live” and being updated monthly: NCDOT Traffic Forecasting Data. Processes are currently being established in order to allow for the download of approved traffic forecasts from ArcGIS online. A Traffic Forecasts library has been established on the Connect NCDOT site (Traffic Forecasts Connect NCDOT Library). This library is currently a work-in-progress but will ultimately be a place to store and link-to approved traffic forecasts.

**AQ Conformity:** The Conformity Determination Report for the 2045 Metropolitan Transportation Plans for the Metrolina region is out for public comment. We are on track for federal approval of the conformity determination on May 2, 2018.