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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:** October 28, 2021  
**SUBJECT:** November 4<sup>th</sup> meeting

A meeting of the Wilmington Urban Area MPO's Technical Coordinating Committee will be held on Thursday, November 4, 2021 at 10 am. This meeting will be held in the 4th Floor Technology Conference Room located at 305 Chestnut Street in downtown Wilmington. Due to COVID-19, the meeting is being conducted remotely. **PLEASE NOTE:** This will be a remote meeting conducted pursuant to Section 4.31 of S.L. 2020-3, SB 704.

The remote meeting will be simultaneously streamed live online so that simultaneous live audio, and video, if any, of the meeting is available to the public at the following:

<https://us06web.zoom.us/j/96877813412?pwd=dnF5bVhaQWVjWEVsZVVycDJ0bzNhdz09>

The public may also dial in and listen to the simultaneous live audio of the remote meeting at the following dial in numbers: 312 626 6799 or 646 558 8656 and entering the following credentials:

Meeting ID: 968 7781 3412  
Password: 521963

Please join the meeting from your computer, tablet or smartphone.

The following is the agenda for the meeting:

- 1) Call to Order
- 2) Approval of the Agenda
- 3) Presentation
  - a. 2021 Commuter Challenge and Bike Ride Event Results- Nick Cannon, WMPO
  - b. Pender County Streets Plan Update – Travis Henley and Vanessa Lacer, Pender County
- 4) Consent Agenda
  - a. Approval of TCC Meeting Minutes- October 13, 2021
  - b. Resolution adopting the 2022 Meeting Calendar
  - c. Resolution approving the 2020-2029 STIP/MPO TIP Amendments #21-7
  - d. Resolution approving the 2020-2029 STIP/MPO Transportation Improvement Program Administrative Modifications #21-9

Wilmington Urban Area Metropolitan Planning Organization

- 
- 5) Regular Agenda
    - a. Resolution adopting the 2021 Pender County Collector Street Plan Update
    - b. Resolution endorsing the Wilmington Urban Area Metropolitan Planning Organization Bicycle and Pedestrian Advisory Committee's Model Ordinance for Bicycle and Pedestrian Infrastructure
  - 6) Discussion
    - a. 2020-2029 STIP/MPO Transportation Improvement Program Administrative Modifications #21-10
  - 7) Updates
    - a. Wilmington Urban Area MPO
    - b. Cape Fear Public Transportation Authority
    - c. NCDOT Division
    - d. NCDOT Transportation Planning Division
  - 8) Announcements
    - a. Go Coast TDM Committee Meeting – November 18<sup>th</sup>
    - b. FY 23 Local Planning Needs Requests Due – December 10<sup>th</sup>
    - c. Wilmington MPO Bike/Pedestrian Committee- December 14<sup>th</sup>
  - 9) Next meeting-January 12, 2021

**Attachments:**

- TCC Meeting Minutes- October 13, 2021
- Proposed 2022 Meeting Calendar
- Resolution adopting the 2022 Meeting Calendar
- Proposed 2020-2029 STIP/MPO TIP Amendments #21-7
- Resolution approving the 2020-2029 STIP/MPO TIP Amendments #21-7
- Proposed 2020-2029 STIP/MPO TIP Administrative Modifications #21-9
- Resolution approving the 2020-2029 STIP/MPO TIP Administrative Modifications #21-9
- 2021 Pender County Collector Street Plan Update- <https://www.wmpo.org/wp-content/uploads/2021/10/PC-STREETS-PLAN-2021-FINAL-211018.pdf>
- Resolution adopting the 2021 Pender County Collector Street Plan Update
- WMPO Bicycle and Pedestrian Advisory Committee's Model Ordinance for Bicycle and Pedestrian Infrastructure
- Resolution endorsing the WMPO Bicycle and Pedestrian Advisory Committee's Model Ordinance for Bicycle and Pedestrian Infrastructure
- Proposed 2020-2029 STIP/MPO Transportation Improvement Program Administrative Modifications #21-10
- Wilmington Urban Area MPO Update (November)
- Cape Fear Public Transportation Authority Update (November)
- NCDOT Division Project Update (November)
- NCDOT Transportation Planning Division Project Update (November)

**Wilmington Urban Area MPO  
Technical Coordinating Committee  
Wednesday, October 13, 2021  
Meeting Minutes**

**Members Present**

Stephanie Ayers, NC State Ports Authority  
Ashli Barefoot, Town of Leland  
Helen Bunch, Brunswick County  
Nick Cannon, MPO Go Coast Program  
Patrick Flanagan, Cape Fear Council of Governments  
Adrienne Harrington, Town of Belville  
Paula Kempton, Town of Carolina Beach  
Vanessa Lacer, Pender County  
Marty Little, New Hanover County  
Abby Lorenzo, WMPO  
Caitlin Marks, NCDOT Division of Highways  
Megan Matheny, Cape Fear Public Transportation Authority  
Nazia Sarder, NCDOT Transportation Planning Branch  
Barnes Sutton, Town of Navassa  
Denys Vielkanowitz, City of Wilmington

**Members Absent**

Granseur Dick, Wilmington International Airport  
Robert O'Quinn, Town of Wrightsville Beach  
Mandy Sanders, Town of Kure Beach

**Others Present**

Cheryl Hannah, HDR  
Regina Hopkins, WMPO  
Scott James, WMPO  
Zach Manfredi, WMPO  
Rachel McIntyre, WMPO  
Marie Parker, Wave Transit  
Ron Satterfield, City of Wilmington

**1) Call to Order**

Vice-Chair Barnes Sutton called to order the remote meeting at 10:00 a.m. Ms. Lorenzo took the roll call pursuant to Section 4.31 of Senate Bill 704 (Session Law 2020-3). A quorum was present, as follows:

**Present:** Stephanie Ayers, Ashli Barefoot, Helen Bunch, Nick Cannon, Patrick Flanagan, Adrienne Harrington, Paula Kempton, Vanessa Lacer, Marty Little, Abby Lorenzo, Caitlin Marks, Megan Matheny, Nazia Sarder, Barnes Sutton and Denys Vielkanowitz. **Absent:** Granseur Dick, Robert O'Quinn and Mandy Sanders.

**2) Approval of the Agenda**

Ms. Ayers made a motion to approve the agenda as presented. Mr. Cannon seconded the motion and it carried unanimously by roll call, as follows:

**Ayes:** Stephanie Ayers, Ashli Barefoot, Helen Bunch, Nick Cannon, Patrick Flanagan, Adrienne Harrington, Paula Kempton, Vanessa Lacer, Abby Lorenzo, Marty Little, Caitlin Marks, Megan Matheny, Nazia Sarder, Barnes Sutton and Denys Vielkanowitz. **Nays:** None. **Absent:** Granseur Dick, Robert O'Quinn and Mandy Sanders.

**3) Presentation**

**a. Cape Fear Public Transportation Authority Update- Marie Parker, CFPTA**

Wave Transit Executive Director Marie Parker gave an update on the public transportation system and upcoming projects. She described Wave Transit as the public transportation provider for the region with more than 120 employees operating from three facilities: operations and maintenance, a transfer station downtown and another in north Wilmington. She noted that Wave provides a fixed-route bus service, a free downtown Port City Trolley, a paratransit service for those with mobility challenges, UNCW Seahawk shuttle on campus, a shared-ride van-pool program for commuters, and a recently started micro-transit program.

Ms. Parker said that Wave has improved on-time performance of bus departure times through time point spacing, backend data accuracy and reporting, and adherence to scheduled departure times,

especially important since passengers make transportation decisions based on the timeliness experience. Another big project is an analysis of passenger amenities with a recently completed peer review showing that Wave's amenities are insufficient for the size of the system - roughly half the number of benches and shelters to service passengers compared to seven peer agencies in North Carolina. She pointed out that amenities impact customer behavior, perception, and ridership. She noted that an improvement plan is currently in progress with three projects underway to create, replace or improve stops. The second phase of amenity improvements is underway with a grant submission for approval that will allow for the installation of upgrades to improve 20 stops with an equal number of benches and shelters.

Ms. Parker said that another project focus is route modifications to address growth and serve new developments such as the Live Oak Bank Pavilion and Park, as well as existing points of interest such as the Wilmington Convention Center and the Railroad Museum. On September 1st, a route deviation was implemented on the existing Port City Trolley route to increase exposure and accessibility by serving Nutt Street from Harnett Street to Red Cross Street. Also, transit was reintroduced to the 2nd Street corridor from Market Street to Red Cross Street to serve more private businesses as well as public facilities not previously served.

Ms. Parker said that in October of last year, the Wave Transit Board approved a system network redesign to be implemented in January, which would have resulted in a net 20% reduction in service. In April of this year, a vote was held to delay the implementation of changes at a joint meeting involving the New Hanover County Board of Commissioners as well as City Council. Currently, Wave staff is in the process of reviewing the current system as well as the model provided by consultants to develop a new plan to deliver a maximum amount of service at the current budget. The focus is to deliver service where it is most needed and reallocate existing resources to the most productive times of the day and days of week. The new system is proposed to go into effect in July of next year.

Ms. Parker gave a brief overview of upcoming projects to add more technology and make the system more inviting and user-friendly. Additionally, mobile ticketing is in the planning stages to provide a touchless technology commonly in use in multiple transportation modes in cities across the U.S. and abroad that is safer, greener, more convenient, and decreases boarding time. Also planned but not yet submitted for funding, is the addition of passenger Wi-Fi, a demand that increases exponentially for trips greater than 20 minutes, which applies to all of Wave's routes.

Ms. Parker commented that the micro-transit model is the largest and most exciting project to date. Ride Micro, the first project of its kind in North Carolina, combines three counties for a regional concept designed to provide coverage and interconnectivity to parts of Brunswick County, New Hanover County and Pender County. The on-demand, curb-to-curb service is an extension of the current transit network at fare rates more economical to the end user than typical private ridesharing services. The rates will be the same as regular bus fare, although it will be implemented as a free trial usage for the first 30 days in all zones. Citizens can use a variety of ride request platforms, currently a temporary toll-free number that will be expanded to a website form today, and ultimately an app in the spring of next year.

Ms. Parker said that when a ride is booked, passengers are advised to wait at a virtual stop where they will be picked up by a driver in a branded vehicle who will confirm the passenger's identity and transport them to a destination within a zone or to a connection in the existing fixed-route network.

The four micro-transit zones or polygons include:

- Zone 1 Brunswick-downtown connector,
- Zone 2 Northeast, includes Pender County and New Hanover County,
- Zone 3 Northern New Hanover County including the airport and Castle Hayne, and
- Zone 4 Southernmost New Hanover County extending to Carolina Beach, and ultimately to Kure Beach.

Ms. Parker said that the first phase, which launched on Monday, includes Zones 1 and 2, which focuses on re-establishing the connection between Brunswick County and New Hanover County and introduces a connection between Pender County and New Hanover County. The second phase will add the north and south zones of New Hanover County over the next several months. She reiterated that the service will be free for anyone to use within the first 30 days within the zones. About 10% of virtual stops has been established within the first zone. The capacity of the virtual stops total about 2,000 stops within each of the zones. Upon completion of the project, between 7,000 and 8,000 stops are planned for the final system by spring of next year.

Mr. Cannon commented that he witnessed the timeliness of buses arriving and departing at the top of the hour at Padgett Station. He noted that the WMPO has included posts about micro-transit on its social media channels and offered to include posts on all improvements as well.

Mr. Flanagan inquired about the drivers. Ms. Parker responded that for current resources, Wave is nearly at capacity. She added that a contractor provides drivers for micro-transit and is fully staffed.

In response to an inquiry by Ms. Marks, Ms. Parker said that Zone 3 will be implemented in December and Zone 4 will be implemented in the spring.

Ms. Harrington expressed interested in spreading information on micro-transit as well. Ms. Parker clarified that micro-transit connects to any virtual stop within a zone or to a transfer station. Zone 1 connects with Padgett Station, and Zone 2 connects with Forden Station.

4) **Consent Agenda**

- a. **Approval of TCC Meeting Minutes- September 15, 2021**
- b. **Opening of the 30-day public comment period for 2020-2029 STIP/MPO TIP Amendments #21-8**
- c. **Resolution authorizing the Chairman to enter into an agreement between the City of Wilmington, Wilmington Urban Area Metropolitan Planning Organization and Cape Fear Public Transportation Authority for the FY 21-22 Section 5303 Funding**
- d. **Resolution approving the Donations for the 2021 Commuter Challenge**

Ms. Bunch made a motion to approve the Consent Agenda, Items 4a through 4d, as presented, and to forward the items to the MPO Board for consideration. Mr. Harrington seconded the motion, and it carried unanimously by roll call as follows:

**Ayes:** Stephanie Ayers, Ashli Barefoot, Helen Bunch, Nick Cannon, Patrick Flanagan, Adrienne Harrington, Paula Kempton, Abby Lorenzo, Vanessa Lacer, Marty Little, Caitlin Marks, Megan Matheny, Nazia Sarder, Barnes Sutton and Denys Vielkanowitz. **Nays:** None. **Absent:** Granseur Dick, Robert O'Quinn and Mandy Sanders.

5) Discussion

a. 2020-2029 STIP/MPO Transportation Improvement Program Administrative Modifications #21-9

Ms. Lorenzo said that this item is for informational purposes only.

b. Coronavirus Response & Recovery Supplemental Appropriations Act Funding Preliminary Recommendations

Transportation Planning Engineer Scott A. James reminded the committee that in the spring discussion was held regarding how Coronavirus Response & Recovery Supplemental Appropriations Act (CRRSAA) Funds could be awarded to eligible projects in the WMPO area. In summary, approximately \$1.4 million to \$1.5 million was made available to area at 100% recovery, meaning no match was required. He said that the WMPO solicited project applications earlier this year and seven were received. After review for completeness and ranking, the WMPO ranked projects from the following member jurisdictions:

- 1) Town of Navassa
- 2) Cape Fear Public Transportation Authority
- 3) City of Wilmington
- 4) Town of Kure Beach
- 5) Town of Belville

Mr. James said that two additional projects were received. However, the project from the Town of Leland was not supported by NCDOT at this time, and an alternate funding source was identified for the project from Pender County. He noted that the WMPO recommends that the requested amounts be awarded in full in the order of the ranking until funds are expended. This means that the first three projects will receive 100% of the funds requested, the fourth will receive approximately 87% of the funds requested, which will deplete the available funds, and the fifth project not be awarded any funds.

Ms. Harrington expressed appreciation to Mr. James for his help on the application. She noted that the Town of Belville requested the total project cost of \$670,000 and requested \$300,000. Unfortunately, the Town was unable to commit to the remaining \$370,000. She advised that applicants of future funding show the gap between the request and total project cost.

Mr. Sutton inquired if any action of the TCC is required. Ms. Lorenzo responded that the committee could vote to recommend that the MPO Board support the recommendation.

Mr. Sutton made a motion to approve the recommendation, seconded by Ms. Lacer, and the motion carried unanimously by roll call as follows:

**Ayes:** Stephanie Ayers, Ashli Barefoot, Helen Bunch, Nick Cannon, Patrick Flanagan, Adrienne Harrington, Paula Kempton, Abby Lorenzo, Vanessa Lacer, Marty Little, Caitlin Marks, Megan Matheny, Nazia Sarder, Barnes Sutton and Denys Vielkanowitz. **Nays:** None. **Absent:** Granseur Dick, Robert O'Quinn and Mandy Sanders.

c. FY23 Transportation Planning Study Requests

Ms. Lorenzo said that the WMPO has started the process of identifying needs for the FY23 Unified Planning Work Program (UPWP). She requested that starting today and through December 10th at 5:00 p.m., member jurisdictions and planning partners consider and submit to WMPO staff transportation planning needs for FY23. She noted that the needs should be identified by name of the project or study, description of purpose and need, anticipated cost, and any other identified funding

contribution. WMPO Planning staff will also consider planning activities for the next fiscal year. She added that the list will be returned to the committee with WMPO staff's recommendations for funding.

6) **Updates**

- a. **Wilmington Urban Area MPO**
- b. **Cape Fear Public Transportation Authority**
- c. **NCDOT Division**
- d. **NCDOT Transportation Planning Division**

Ms. Lorenzo stated that the updates are included in the agenda packet.

7) **Announcements**

- a. **Wilmington MPO Bike/Pedestrian Committee- October 12<sup>th</sup>; next meeting December 14<sup>th</sup>**
- b. **River to Sea Bike Ride- October 16<sup>th</sup>, registration closes on October 15<sup>th</sup> at 1:00 p.m. (\$5 fee day of)**
- c. **Go Coast Commuter Challenge- October 16<sup>th</sup>-31<sup>st</sup>**

Mr. Cannon gave an overview of a new feature for the Go Coast Commuter Challenge. Participants are now able to participate as part of a team. A flyer has been designed to provide directions on how to participate as a team to use alternative transportation. He added that the WMPO has a team. He encouraged everyone to register on the Go Coast website on the events page, and download the NC Share The Ride app to track trips for the next two weeks. He noted that local sponsors have donated prizes and gift cards.

- d. **Brunswick Heritage Riverside Ride- October 23rd**

Ms. Lorenzo said that this is the first year for the Brunswick Heritage Riverside Ride. She reported that the event has met the cap of 100 on participants and that registration is closed.

8) **Next Meeting- November 4, 2021**

Ms. Lorenzo noted that the next meeting of the TCC will be held on a Thursday and is earlier in the month due to the Thanksgiving holiday.

9) **Adjournment**

There being no further business, Ms. Ayers made a motion to adjourn the meeting, seconded by Ms. Bunch and meeting was adjourned at 10:36 a.m. by roll call as follows:

**Ayes:** Stephanie Ayers, Ashli Barefoot, Helen Bunch, Nick Cannon, Patrick Flanagan, Adrienne Harrington, Paula Kempton, Abby Lorenzo, Vanessa Lacer, Marty Little, Caitlin Marks, Megan Matheny, Nazia Sarder, Barnes Sutton and Denys Vielkanowitz. **Nays:** None. **Absent:** Granseur Dick, Robert O'Quinn and Mandy Sanders.

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



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## MEMORANDUM

TO: TCC/Board members

FROM: Mike Kozlosky, Executive Director

DATE: October 28, 2021

SUBJECT: Wilmington Urban Area MPO Proposed 2022 Meeting Schedule

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Technical Coordinating Committee	Board
January 12	January 26
February 9	February 23
March 16	March 30
April 13	April 27
May 11	May 25
June 15	June 29
July 13	July 27
August 17	August 31
September 14	September 28
October 12	October 26
November 16	November 30
December –no meeting scheduled	December –no meeting scheduled

The TCC meetings will begin at 10 am on the date of the meetings.

The Board meetings will begin at 3 pm on the date of the meetings.

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### Wilmington Urban Area Metropolitan Planning Organization

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



**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION  
BOARD**

**RESOLUTION ADOPTING THE WILMINGTON URBAN AREA METROPOLITAN  
PLANNING ORGANIZATION'S 2022 MEETING CALENDAR**

**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 Wilmington Urban Area Metropolitan Planning Organization's Board adopts the meeting calendar on an annual basis.

**NOW THEREFORE**, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby adopts the 2022 meeting calendar.

**ADOPTED** at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on November 17, 2021.

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David Piepmeyer, Chair

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Mike Kozlosky, Secretary

**Proposed Revisions to 2020-2029 STIP/MPO TIP Programs**

**STIP/MPO TIP Amendment #21-7  
(September 2021)**

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION**

**STIP ADDITIONS**

* HL-0040 NEW HANOVER DIVISION	- WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION	WILMINGTON, CONSTRUCT A NEW NORTH GATE ON NORTH CAROLINA PORTS AUTHORITY PROPERTY.	ENGINEERING	FY 2022 - FY 2022 -	\$250,000 \$63,000	(BGDA) (L)
<b>PROJ.CATEGORY</b>	<b><u>ADD PROJECT AT THE REQUEST OF THE MPO.</u></b>					
					\$313,000	

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION  
BOARD**

**RESOLUTION APPROVING AMENDMENTS #21-7 TO THE  
2020-2029 STATE /MPO TRANSPORTATION IMPROVEMENT PROGRAMS**

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

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

**WHEREAS**, the North Carolina Board of Transportation adopted the 2020-2029 State Transportation Improvement Program on September 5, 2019 and the Wilmington Urban Area Metropolitan Planning Organization Board adopted the Statewide/MPO Transportation Improvement Programs on October 30, 2019; and

**WHEREAS**, the Wilmington Urban Area Metropolitan Planning Organization desires to amend the adopted 2020-2029 State/MPO Transportation Improvement Programs for Amendments #21-7; and

**WHEREAS**, the Wilmington Urban Area Metropolitan Planning Organization has conducted a 30-day public comment period to receive citizen input on these proposed amendments.

**NOW THEREFORE**, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby approves amending the 2020-2029 State/MPO Transportation Improvement Programs for Amendments #21-7.

**ADOPTED** at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on November 17, 2021.

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David Piepmeyer, Chair

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Mike Kozlosky, Secretary

# Proposed Revisions to 2020-2029 STIP/MPO TIP Programs

## STIP/MPO TIP Modification #21-9 (October 2021)

### WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

#### STIP MODIFICATIONS

BL-0040 NEW HANOVER PROJ.CATEGORY DIVISION	- WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION CONNECTOR. CONSTRUCT MULTI-USE PATH.  <u>STIP NUMBER IS BEING MODIFIED FROM HL-0035 TO BL-0040 TO BETTER REFLECT THE TYPE OF PROJECT. TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN. DELAY CONSTRUCTION FROM FY 21 TO FY 22.</u>	CONSTRUCTION	FY 2022 - \$554,000 (BGDA) FY 2022 - \$138,000 (L) \$692,000
* U-5710 NEW HANOVER PROJ.CATEGORY STATEWIDE	- WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION US 74 (EASTWOOD ROAD), SR 1409 (MILITARY CUTOFF GRADE INTERSECTION IN WILMINGTON. CONVERT AT-INTERSECTION TO AN INTERCHANGE.  <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2023 - \$11,333,000 (T) FY 2024 - \$11,333,000 (T) FY 2023 - \$5,212,000 (T) FY 2025 - \$385,000 (NHP) FY 2026 - \$13,181,000 (NHP) FY 2027 - \$13,634,000 (NHP) FY 2028 - \$9,320,000 (NHP) FY 2029 - \$1,980,000 (NHP) \$66,378,000
* U-5710A NEW HANOVER PROJ.CATEGORY STATEWIDE	- WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION NEW LOCATION, FROM SR 1409 (MILITARY CUTOFF ROAD), ROADWAY ON NEW LOCATION.  <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	CONSTRUCTION	FY 2022 - \$2,065,000 (BGANY) FY 2023 - \$2,835,000 (BGANY) \$4,900,000
U-6234 NEW HANOVER PROJ.CATEGORY DIVISION	- WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION WILMINGTON, WILMINGTON MULTI-MODAL TRANSPORTATION CENTER PHASE 1B.  <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN. DELAY CONSTRUCTION FROM FY 21 TO FY 22.</u>	CONSTRUCTION	FY 2022 - \$2,267,000 (BGDA) FY 2022 - \$567,000 (L) \$2,834,000

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION  
BOARD**

**RESOLUTION APPROVING ADMINISTRATIVE MODIFICATIONS #21-9 TO THE  
2020-2029 STATE /MPO TRANSPORTATION IMPROVEMENT PROGRAMS**

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

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

**WHEREAS**, the North Carolina Board of Transportation adopted the 2020-2029 State Transportation Improvement Program on September 5, 2019 and the Wilmington Urban Area Metropolitan Planning Organization Board adopted the Statewide/MPO Transportation Improvement Programs on October 30, 2019; and

**WHEREAS**, the Wilmington Urban Area Metropolitan Planning Organization desires to modify the adopted 2020-2029 State/MPO Transportation Improvement Programs for Administrative Modifications #21-9.

**NOW THEREFORE**, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby approves modifying the 2020-2029 State/MPO Transportation Improvement Programs for Administrative Modifications #21-9.

**ADOPTED** at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on November 17, 2021.

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David Piepmeyer, Chair

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Mike Kozlosky, Secretary

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION  
BOARD**

**RESOLUTION ADOPTING THE 2021 PENDER COUNTY COLLECTOR STREET PLAN  
UPDATE**

**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 Wilmington Urban Area Metropolitan Planning Organization along with Pender County collaboratively developed and adopted the Pender County Collector Street Plan in 2016 in an effort to increase connectivity in Pender County through identifying needed improvements and future connections in the collector street network; and

**WHEREAS**, Pender County updated and adopted the Pender 2.0 Comprehensive Land Use Plan in 2018 which proposed a new preferred growth scenario with numerous areas identified for high-intensity and mixed use development; and

**WHEREAS**, Pender County desired to align its proposed Collector Street network to reflect the changes to the adopted land use plan and benefit the County's continued growth with an efficient and safe transportation network; and

**WHEREAS**, the plan included additional public outreach efforts through two public surveys, and oversight by a steering committee than included representatives from Pender County, Wilmington Urban Area Metropolitan Planning Organization, Pender County Planning Board, NCDOT Division 3, and members of the development community; and

**WHEREAS**, the 2021 Pender County Collector Street Plan Update will be used to guide the future development of the collector street network in the study area; and

**WHEREAS**, the Pender County Board of Commissioners adopted the Pender County Collector Street Plan on October 18, 2021.

**NOW THEREFORE**, be it resolved that the Wilmington Urban Area Metropolitan Planning Organization's Board hereby adopts the 2021 Pender County Collector Street Plan Update.

**ADOPTED** at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization Board on November 17, 2021.

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David Piepmeyer, Chair

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Mike Kozlosky, Secretary

## Article I. Bikeways, Sidewalks, and Greenways

### Section 1.01 Purpose

- (a) The regulations in this chapter are designed to promote efficient traffic circulation and connectivity of bicycle and pedestrian facilities. These regulations serve to protect public health, safety, and the general welfare of pedestrians and cyclists in arterials, collector streets, and local roads, residential neighborhoods, shopping districts, parks, and recreational facilities.
- (b) It is the intention of the [JURISDICTION] to implement the planning policies expressed in the [JURISDICTION] land use plan, [JURISDICTION] comprehensive plan, corridor plans, special area plans, bicycle plans, and pedestrian plans.

### Section 1.02 Applicability

- (a) This Article applies to all development within the [JURISDICTION] jurisdiction.
- (b) No construction shall commence until all required plans and designs have been reviewed and approved by the [JURISDICTION] or other governmental approving agency.
- (c) No [JURISDICTION] services or utilities shall be extended to any development until the applicant has installed the infrastructure specified in this chapter.

### Section 1.03 Easements

- (a) Easements shall be provided in locations and dimensions required by the [JURISDICTION] in order to:
  - (i) *Allow for adequate pedestrian access.*
  - (ii) *Allow for adequate bicycle access.*
  - (iii) *Allow for adequate right-of-way for street types.*
  - (iv) *Allow for adequate storm drainage facilities.*
  - (v) *Allow for adequate access to service bicycle and pedestrian infrastructure*
  - (vi) *Allow for adequate right-of-way for construction of bicycle and pedestrian infrastructure.*
- (b) Whenever a piece of land in a proposed site plan includes any part of a greenway designated in the comprehensive plan, bicycle plan, or pedestrian plan, the greenway shall be platted and dedicated as a greenway easement.

### Section 1.04 Exemptions and Appeals

- (a) Fee-in-Lieu
  - (i) *Where the [JURISDICTION] determines that construction of public improvements would not be feasible, a fee in lieu may be permitted.*
  - (ii) *Right-of-way and easements may still be dedicated to the [JURISDICTION] to allow access.*
- (b) Surety
  - (i) *Required improvements identified in this chapter that are not completed prior to the issuance of a building permit will be bonded in accordance with [JURISDICTION] development standards in an amount of 125% of the estimated construction cost.*

- (ii) All required improvements secured by a surety shall be installed prior to the issuance of the first certificate of occupancy.*

**(c) Board of Adjustments**

- (i) Right of appeal: any person affected by any decision, requirement, or determination related to the contents of this chapter may file an appeal to the [JURISDICTION] board of adjustment within 30 days of the decision, order, or requirement.*
- (ii) The board shall determine the contested resolution and make a decision in a reasonable time.*

**Section 1.05 Overlay District**

**(a) Greenway Overlay District**

- (i) The purpose of the Greenway Overlay District is to promote health, safety, convenience, and welfare by providing increased connectivity and infrastructure to surrounding parks, neighborhoods, businesses, and bicycle and pedestrian networks.*
- (ii) A multi-use path shall be installed by the developer in accordance with the comprehensive plan.*
- (iii) Where sidewalks and multi-use paths meet the street ADA compliant ramps shall be installed.*
- (iv) Bicycle and pedestrian infrastructures shall be installed in accordance with [JURISDICTION] design standards.*

**(b) Pedestrian Benefit Zone**

- (i) The purpose of the pedestrian benefit zone is to promote safe and convenient pedestrian infrastructure in designated zones with high density.*
- (ii) Concrete sidewalks shall be constructed along the entire frontage of all commercial, residential, industrial, and park sites within the pedestrian benefit zone.*
- (iii) If concrete sidewalks currently exist but are in poor deteriorated condition, the sidewalk shall be replaced to [JURISDICTION] design standards.*

**Section 1.06 Development Standards**

**(a) New Streets**

- (i) Where a proposed street attaches to an existing street the proposed street shall provide connectivity to the existing sidewalk, greenway, or bike lane, regardless of minimum standards.*

**(b) General Access**

- (i) All proposed developments shall provide pedestrian and bicycles access to and from a street or adjacent site*

**(c) Pedestrian Access**

- (i) All proposed developments shall provide ADA compliant access connecting all main entrances of buildings with other public entrances.*
- (ii) Pedestrian accesses between building and public right of way, shall be separated from vehicular surface areas.*

**(d) Open Space Requirements**

- (i) Consistency with existing plans: if any portion of a proposed development is part of a parks plan, bicycle, or pedestrian plan adopted by [Jurisdiction], such area may be set aside to satisfy the open space requirements of [jurisdiction].*



- (ii) Greenways: Open space dedicated as a greenway shall be a continuous parcel of at least 30 feet in width*

## Section 1.07 Site Plan Review

### (a) Procedure

*(i) Preapplication Process*

*(ii) Application*

*(iii) Application Completeness*

*(iv) Review: Site plans shall be reviewed by the technical review committee, which may approve or reject the site plan. Rejection may be made with one or more of the following findings related to bicycle and pedestrian infrastructure with respect to the proposed development*

- 1) The proposed development is not consistent with the comprehensive plan, bicycle plan, or pedestrian plan;
- 2) The proposed development does not accommodate pedestrians access to ROW;
- 3) The proposed development does not have ADA accessible access to ROW;
- 4) The proposed development does not have proper easement dedications per section 1.03;
- 5) The proposed development does not meet overlay requirements per section 1.04;
- 6) The proposed development does not meet Bikeway, Sidewalk, and Greenway requirements per section 1.07;

*(v) Upon approval of the site plan, the building inspector may issue a building permit;*

## Section 1.08 Bikeway, Sidewalk, and Greenways

### (a) Bicycle and Pedestrian Connections

- (i) accommodations shall be provided in all new or substantially improved developments to facilitate the use of bicycle and pedestrian travel through the integration of sidewalks, multi-use paths, and bicycle lanes that connect to parks, schools, transit, and shopping areas.*
- (ii) In new residential subdivisions bicycle and pedestrian paths, trails, and bicycle lanes shall also connect to collector and minor arterial streets.*
- (iii) Easements or rights-of-way shall be provided for bicycle /pedestrian paths between and within developments*
- (iv) A continuous bicycle/pedestrian path shall be provided to each of the following: entrances to each building on site, public sidewalks, walkways, trails, adjacent public parks, adjacent transit areas.*

### (b) Required locations

- (i) Sidewalks, crosswalks, and multi-use paths shall be constructed by the developer conforming to adopted plans or as follows below.*
  - 1) Arterial streets, Collector streets, and local streets: a minimum of one side of the right of way on adjacent properties.
  - 2) Throughfares to be developed to access the proposed development: both sides of the right-of-way adjacent to the proposed development.
  - 3) Local and collector streets: both sides of the right-of-way to be developed.
  - 4) Cul-de-sac: both sides of the right-of-way to be developed.
- (ii) The Technical Review committee may exempt sidewalk installation in cases to avoid impacting wetlands.*

### (c) Mid-block crossing locations

- (i) Local streets and new streets greater than 600 feet between intersections shall have mid-block crossings with accessible pedestrian ramps on both sides of the street when any of the following conditions are met:*
  - 1) There are developments on both side of the street with sidewalk or greenway within the right-of-way.
  - 2) An existing or proposed greenway crosses the street between two intersections;
  - 3) A mid-block crossing is recommended by the TRC.
- (ii) Mid-block crossings shall*
  - 1) Be equidistant from either intersection;
  - 2) Be constructed at 90 degrees to the roadway;
  - 3) Connect both ends to a sidewalk or greenway;
  - 4) Provide easements if not within public right-of way.
- (iii) The TRC may waive the mid-block crossing requirement as they see fit.*

### Section 1.09 Enforcement

- (a) The [JURISDICTION] shall not issue a building permit unless the plans, specifications and intended uses of building or structures conform in all respects to the provisions of this chapter.
- (b) The [JURISDICTION] may withhold or deny certificate of occupancy for all permits or other forms of authorization on any development for which there is a violation of a provision in this chapter.
- (c) A violation of any of the provisions in this chapter shall result in a civil penalty of \$50 for the initial violation and a civil penalty of \$100 for each additional violation.

### Section 1.10 Design Standards

- (a) Construction within the public ROW shall comply with NCDOT and [JURISDICTION] standards
- (b) Sidewalks, bikeways, and greenways shall comply with [JURISDICTION] design standards set forth in the [JURISDICTION design standards]

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION  
BOARD**

**RESOLUTION ENDORSING THE WILMINGTON URBAN AREA METROPOLITAN PLANNING  
ORGANIZATION BICYCLE AND PEDESTRIAN ADVISORY COMMITTEE'S MODEL BICYCLE AND  
PEDESTRIAN INFRASTRUCTURE ORDINANCE**

**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 Wilmington Urban Area Metropolitan Planning Organization's Bicycle and Pedestrian Advisory Committee is tasked with providing recommendations on policies; and

**WHEREAS**, through this role the Bicycle and Pedestrian Advisory Committee shall encourage projects, plans, programs, and ideas that will promote a safer environment for bicycling and walking in the Wilmington Urban Area Metropolitan Planning Organization's planning area; and

**WHEREAS**, the population and development within the Wilmington Metropolitan Planning Origination region is continuing to increase, thereby increasing roadway traffic congestion; and

**WHEREAS**, the Bicycle and Pedestrian Advisory Committee recognizes the importance and need to increase bicycle and pedestrian infrastructure to provide options for mode choice; and

**WHEREAS**, the Bicycle and Pedestrian Advisory Committee, in coordination with Wilmington Urban Area Metropolitan Planning Organization staff and representatives from the Technical Coordinating Committee, developed these standards and language as a model ordinance to be used as a resource for our member jurisdictions; and

**WHEREAS**, the proposed ordinance is for recommendation purposes only and would require amendments to member jurisdictions' ordinances before the proposed standards would be enforced in that jurisdiction; and

**WHEREAS**, the Bicycle and Pedestrian Advisory Committee approved a resolution recommending that the Wilmington Urban Area Metropolitan Planning Organization Board endorse the model ordinance at their meeting on October 12, 2021.

**NOW THEREFORE**, be it resolved that the Wilmington Urban Area Metropolitan Planning Organization's Board hereby endorses the Bicycle and Pedestrian Advisory Committee's Model Bicycle and Pedestrian Infrastructure Ordinance.

**ADOPTED** at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on November 17, 2021.

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David Piepmeyer, Chair

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Mike Kozlosky, Secretary

# Proposed Revisions to 2020-2029 STIP/MPO TIP Programs

## STIP/MPO TIP Modification #21-10 (November 2021)

### WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

#### STIP MODIFICATIONS

P-5740B NEW HANOVER PROJ.CATEGORY STATEWIDE	- WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION	CSX SE LINE, IMPROVEMENTS TO HIGHWAY GRADE CROSSINGS, CLOSE AND IMPROVE VARIOUS EXISTING AT-GRADE CROSSINGS.  <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN. DELAY CONSTRUCTION FROM FY 22 TO FY 23.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2022 - \$600,000 (T) FY 2023 - \$25,000 (DP) FY 2023 - \$18,000 (T) FY 2024 - \$2,214,000 (DP) FY 2024 - \$1,570,000 (T) FY 2025 - \$305,000 (DP) FY 2025 - \$217,000 (T) \$4,949,000
W-5803A NEW HANOVER PROJ.CATEGORY STATEWIDE	- WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION	US 74, US 74 (EASTWOOD ROAD) AT US 17 (MILITARY CUTOFF ROAD), AND US 74 (EASTWOOD ROAD) AT CAVALIER DRIVE IN WILMINGTON. UPGRADE PEDESTRIAN SIGNALS.  <u>AT THE REQUEST OF THE DIVISION, DELAY CONSTRUCTION FROM FY 22 TO FY 23.</u>	CONSTRUCTION	FY 2023 - \$42,000 (HSIP) \$42,000
W-5803B ONSLOW PENDER PROJ.CATEGORY REGIONAL	- WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION	US 17, US 17 BETWEEN NEW HANOVER / PENDER COUNTY LINE AND MILE POST 19.3 IN ONSLOW COUNTY. INSTALL SHOULDER RUMBLE STRIPS.  <u>AT THE REQUEST OF THE DIVISION, DELAY CONSTRUCTION FROM FY 22 TO FY 23.</u>	CONSTRUCTION	FY 2023 - \$425,000 (HSIP) \$425,000
	- JACKSONVILLE URBAN AREA METROPOLITAN PLANNING ORGANIZATION			
	- CAPE FEAR RURAL PLANNING ORGANIZATION			

**WILMINGTON URBAN AREA  
MPO  
November 2021**

**PENDER COUNTY STREETS PLAN**

**Project Description/Scope:** In January, WSP, Pender County, and WMPO kicked off the development of the Pender County Streets Plan. The final plan will serve as an update to the 2016 Pender County Collector Streets Plan and is envisioned to be a more comprehensive technical document that integrates the recommendations of the Pender County Comprehensive Plan 2.0 with buy in and support from both the development community and citizens. The effort was funded as a special study in the WMPO's adopted FY 21 UPWP, and the schedule for the development of the plan was approximately six months. This plan's development included two public outreach and participation periods. The development of the plan was overseen by a steering committee comprised of stakeholders representing the county staff, the development community, NCDOT, and citizens among others. WSP delivered the final plan document and recommendations in June, and the finished document product has been prepared by WMPO Staff. The Pender County Commissioners adopted the updated plan on October 18th, 2021.

**Project Status and Next Steps:**

- Presentation of final plan recommendations to WMPO Board in November 2021
- Launch of public interactive story map of plan recommendations in winter 2021/2022

**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 Formal Plan Reviews: 4 reviews
- New Hanover County Informal Plan Reviews: 8 reviews
- New Hanover Concept Reviews: 0 review
- Town of Leland Development Plan Reviews: reviews
- Town of Leland Formal Reviews: 4 reviews
- Town of Leland Informal Reviews: 3 reviews
- Town of Navassa Formal Plan Reviews: 0 review
- Town of Navassa Informal Reviews: 0 reviews
- Town of Navassa Concept Reviews: 0 review
- Town of Belville Formal 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: 31 total (25 under review; 2 approved; 7 new):  
New Hanover County 8 (3 New), City of Wilmington 7, Carolina Beach 1, Town of Belville 1,  
Town of Leland 6, (1 new) Town of Navassa 1, Pender County 4 (2 new, 2 approved), and  
Brunswick County 3, (1 New)
- Pender County Development Plan Reviews: 5 reviews
- Pender County Informal Plan Reviews: 4 reviews
- Pender County Concept Reviews: 0 reviews
- City of Wilmington Formal Reviews: 38 reviews (3 new, 35 on-going)

- City of Wilmington Informal Reviews: 14 reviews (4 new, 10 on-going)
- City of Wilmington Concept Reviews: 0 reviews
- COW Project Releases: 3

**STBGP-DA/TASA-DA FY 2013 to  
Present STBGP-DA**

**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:**

- Complete review of final design package and submit to NCDOT for review– Winter 2021
- NCDOT final design approval and City to request Construction Funds Authorization – Winter 2021/2022
- 90% Design documents submitted in late September
- Begin Construction – Early 2022
- Construction Complete- Early 2023

**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:**

- Construction commenced October 26, 2021
- Construction in progress
- Project completion extended to December 31, 2022

**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.

**Project Status and Next Steps:**

- Began Construction – July 2021
- Project under construction
- Complete Construction – Fall 2021

**U-5534G –CITY OF WILMINGTON- HOOKER ROAD MULTI-USE PATH**

**Project Descriptions/Scope:** The project consist of the construction of a 8' wide multi-use path along Hooker Road from Wrightsville Avenue to Mallard Drive/Rose Ave intersection

**Project Status and Next Steps:**

- 90% design documents submitted in late September
- Complete final design package and submit to NCDOT for review–Winter 2021
- Update/renew permits –Fall/Winter 2021/2022
- NCDOT final design approval – Winter 2021/22
- Right of way acquisition complete – Winter 2021/2022

- Begin Construction – Early 2022
- Complete Construction – Early 2023

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

**Project Descriptions/Scope:** This project consists of the construction of an 8' wide multi-use path along Hinton Avenue from Park Avenue to Greenville Avenue.

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

- 90% design documents submitted in late September
- Complete final design package and submit to NCDOT for review–Winter 2021
- Update/renew permits –Fall/Winter 2021/2022
- NCDOT final design approval – Winter 2021/22
- Right of way acquisition complete – Winter 2021/2022
- Begin Construction – Early 2022
- Complete Construction – Early 2023

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

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

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

- Construction commenced February 8, 2021
- Supplemental Agreement 4 increased the total estimated project cost to \$254,842
- Construction in progress
- Project completion extended to June 30, 2022

#### **U-5534J – TOWN OF LELAND- OLD FAYETTEVILLE LOOP ROAD PEDESTRIAN LOOP**

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

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

- Construction commenced February 8, 2021
- Construction in progress
- Project completion extended to June 30, 2022

#### **U-5534K – TOWN OF LELAND- LELAND MIDDLE SCHOOL SIDEWALK**

**Project Descriptions/Scope:** The construction of 5 foot wide concrete sidewalk adjacent to Old Fayetteville Road from Ricefield Branch Road 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:**

- Construction commenced February 8, 2021
- Supplemental Agreement 4 increased the total estimated project cost to \$327,788
- Construction in progress
- Project completion extended to June 30, 2022



**U-5534Q –CITY OF WILMINGTON- 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:**

- Filed deed and maps for temporary construction easements from YMCA on September 29, 2021
- Sent ROW package to NCDOT for ROW certification (via EBS) on October 8, 2021
- 90% Plans Review Meeting on October 12, 2021
- Sent comments on 90% Plans and Estimate to AECOM on October 13, 2021
- Received ROW Certification on October 22, 2021

**U-5534S (FORMERLY U-5534M)- TOWN OF WRIGHTSVILLE BEACH- CORAL DRIVE SIDEWALKS**

**Project Descriptions/Scope:** The construction of sidewalks along Coral Drive will install approximately 954 linear 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:**

- Start of construction on August 30, 2021
- Anticipated completion date of mid-November 2021

**U-5534U – TOWN OF NAVASSA- 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:**

- Right Angle provided the 90% plans
- 90% plans and contract documents have been submitted to NCDOT
- CE Document has been approved
- Right-of-way authorization approved
- Construction fund authorization request will occur next federal fiscal year (FY 2022)

**EB-6025- TOWN OF BELVILLE- RICE HOPE MULTI-USE PATH**

**Project Description:** The project consists of the construction of a multi-use path of eight feet (8') wide located at the western side of NC 133 between Morecamble Blvd and Rice Hope Run.

**Project Status and Next Steps:**

- The Town has entered into a contract with Withers & Ravenel
- Kick-off meeting was held on November 6th
- A groundbreaking ceremony was held on November 20th
- Town and NC DOT have resolved ROW issues
- 30% plans have been completed and approved by NCDOT
- 60% design plans approved by NCDOT.
- 90% plans are in development
- Project remains on track for a September 2022 LET

**U-6234 MULTI-MODAL PHASE 1 B**

**Project Description/Scope:** Rehabilitation of the historic structure located at 525 N 4th Street

for a transportation purpose

**Project Status and Next Steps:**

- MPO Board approved additional funding request on February 24th to cover increased estimated costs of construction
- Final design package delivered electronically May 7, 2021
- 100% design plans sent to City Purchasing for review on May 11, 2021
- 100% design plans and specs sent to NC DOT on May 20, 2021
- Revised 100% plans provided on July 22, 2021 and sent to City Purchasing for review
- CE documentation provided on August 11, 2021
- Bid package finalized on October 19, 2021
- Documents sent to NCDOT (and uploaded to EBS) on October 19, 2021

**U-6235 – City of Wilmington/New Hanover County – Signal Pre-emption Phase 2**

**Project Description/Scope:** The project will install traffic pre-emption equipment at 50 locations throughout the City of Wilmington and New Hanover County and GPS equipment on emergency response vehicles.

**Project Status and Next Steps:**

- Design contract approved May 5, 2021 by City Council: execution complete.
- Design kick-off meeting held July 23, 2021 with Wilmington Fire Department, Traffic Engineering and Davenport Staff.
- Design started in October lasting through April 2022.

**U-6039 – CAROLINA BEACH – ST. JOSEPH BIKE LANES**

**Project Description/Scope:** Construct Bike Lanes along St. Joseph Avenue and Lewis Drive from Lake Park Boulevard to Access Drive in Carolina Beach

**Project Status and Next Steps:**

- NCDOT funding availability reopened January 25, 2021
- Town Council elected to move forward with the project and will upload information into EBS.
- As of May 3, 2021 funding amounts have been revised to reflect \$457,777 STBGP- DA funds and \$114,445 local match to reflect approved funding
- Design revisions are under discussion with KHA
- Agreement executed with NCDOT on August 18, 2021
- Design discussions held with KHA on August 31, 2021, delivery schedule forthcoming

**TASA-DA**

**EB- 6026- TOWN OF BELVILLE- BELVILLE ELEMENTARY- MULTI-USE PATH**

**Project Description:** The project consists of the construction of a multi-use path of eight feet (8') wide located along NC 133 connecting north and south entrances of Hawks Water Development to Belville Elementary School.

**Project Status and Next Steps:**

- The Town has entered into a contract with Withers & Ravenel
- A Kick-off meeting was held on November 6th
- A groundbreaking ceremony was held on November 20th
- Town and NC DOT have resolved ROW issues
- 30% plans have been completed and approved by NCDOT

- 60% design plans approved by NCDOT.
- 90% plans are in development
- Project remains on track for a September 2022 LET

#### **EB-6027 – NEW HANOVER COUNTY -MIDDLE SOUND GREENWAY**

**Project Description:** Design only of the Middle Sound Greenway connection to Ogden Park

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

- 75% plans under review by NCDOT with comments received the week of October 18<sup>th</sup>
- Right of way acquisition beginning

#### **EB-6028 —CITY OF WILMINGTON- 21<sup>ST</sup> STREET/MARKET HAWK SIGNAL**

**Project Description:** Design and construction of a HAWK signal at the pedestrian crossing at Market Street and 21st Street

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

- Davenport is under contract to complete the design
- 90% design plans submitted to the City and NCDOT on October 22<sup>nd</sup>
- Final project plans anticipated by the end of December
- Anticipated let date February 2022

#### **EB-6029 – TOWN OF CAROLINA BEACH – CLARENDON AVENUE MULTI-USE PATH**

**Project Description:** Construction of the Clarendon Avenue multi-use path from 4th Street to Dow Road

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

- The Town is evaluating the scope for the project.
- Design modifications requested to include five-foot sidewalk and on street pavement markings in lieu of multi-use path

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

**Project Description/Scope:** The TDM “Go Coast” program works to increase the use of alternative transportation by WMPO residents and decrease Vehicle Miles Traveled (VMT). The WMPO Board approved Cape Fear Change in Motion 2020, the short-range TDM Plan which will guide Go Coast initiatives from 2021 to 2025. This plan identifies seven short-range strategies to increase mobility options and reduce traffic in the WMPO region. These strategies are: Alternative Work Schedules, Bike Share Program, Carpool and Vanpool, Consulting for Telecommuting Opportunities, Fostering a Bicycle and Pedestrian Friendly Culture, Improved TDM-Focused Collaboration, and Personalized Commuter Plans.

Go Coast current initiatives and project status:

##### **1. Be A Looker**

- Go Coast’s 2021 “Be A Looker” bicycle and pedestrians safety campaign will conclude at the end of October.
- “Be A Looker” has been promoted through a variety of marketing techniques as well as through in-person educational events. Go Coast is working with the Wilmington Fire Department to hold two “Be A Looker” events each month of the campaign in Wilmington.
- TDM Coordinator has also reached out to TCC members to assess possibility for event partnerships with all Member Jurisdictions
- <https://www.gocoastnc.org/bealooker/>

e. Since the start of the 2021 “Be A Looker” campaign in May, Go Coast has given away away 117 helmets with the Wilmington Fire Department at 5 separate events

2. 31st Annual River to Sea Bike Ride

a. 293 cyclists participated in the 31st Annual River to Sea Bike Ride on October 16, 2021

3. Brunswick Heritage Riverside Ride

a. The Inaugural Brunswick Heritage Riverside Ride reached its cap registration of 100 participants

b. The ride will take place on October 23, 2021.

4. Cape fear Change in Motion 2020 and TDM Services

a. In total, Go Coast gave 12 presentations to member jurisdiction governing boards on Cape Fear Change in Motion 2020 from August to October

5. Bicycle Suitability Map Update

a. The Bicycle and Pedestrian Advisory Committee has evaluated every roadway in the WMPO region that has been scored for bike suitability

b. The BPAC will approve a final draft with recommendation to be adopted by the Board in the BPAC December meeting.

6. Go Coast Commuter Challenge

a. The 2021 Go Coast Commuter Challenge will take place October 16-31.

b. A new feature Commuter Challenge is available in Share the Ride NC Mobile app. Participants will be able to join teams to compete in the event with friends, family, and colleagues

c. Wilmington City Council has approved the \$615 worth of donations from local businesses to be given as prizes to top participants

7. The next Go Coast meeting is November 18, 2021



## Cape Fear Public Transportation Authority

### Project Updates

November 2021

#### 1. Wilmington Regional Microtransit Pilot Project - RideMICRO

The Authority entered into a regional agreement in May of 2021, to provide on-demand, Microtransit services within, and between, Brunswick County, New Hanover County, and Pender County. The revised service offering provides more efficient and cost-effective public transportation to locations *under* or *un* served by public transportation. The alternative mobility option will result in decreased wait times for customers, affordable fares, which are equal to existing fixed route fares, and finally, the availability of smartphone app technology for fare payment and trip reservations.

The project, branded as *RideMICRO*, includes coverage in four polygons, including North Brunswick County-Downtown Wilmington, Northeast New Hanover County-southeast Pender County, southern New Hanover County-Carolina Beach, and northern New Hanover-Airport-Castle Hayne areas. Monday, October 11, 2021 marked the official launch of the program beginning with service to *Zone 1* Northern Brunswick/Downtown Wilmington and *Zone 2* Pender/Northeastern New Hanover. Service to Southern New Hanover/Pleasure Island, marked as *Zone 3*, is slated for implementation December 2021, and service to Northern New Hanover under *Zone 4* will occur Spring of 2022.

The Microtransit project, once fully launched, will include the full technology suite, expansion in service hours for operation seven days a week, and an expansion of the number of virtual stops totaling 7,000 to 8,000 across four zones.

The service is funded at 100% through NCDOT's ConCPT and community grants. The pilot project is currently planned for a 12-month period, with options to extend pending availability of grant funds. The FY2023 application for a second year of support was submitted and is currently under review by NCDOT.

#### 2. Network Redesign Slated for July 1, 2022

A joint meeting between Wilmington City Council members and New Hanover County Board of Commissioners was held on April 27, 2021. During the meeting, a vote to delay previously slated service reductions was moved by County officials, giving current administration an opportunity to review and make modifications to changes. The postponement of service changes was supported by City Council during their May 4, 2021 meeting. The revised network will take effect on July 1, 2022.

The network redesign consists of four phases including, *Service Planning and Design*, *Public Outreach and Stakeholder Engagement*, *Presentation of Finalized Service Network*, and *Education and Implementation*. A comprehensive update is scheduled for presentation to the Authority's Board of Directors on Thursday, October 28, 2021. Updates will be published through official press releases, on the homepage of the Authority's website at:

<https://www.wavetransit.com/>, onboard revenue vehicles, via social media, and at major transfer stations in the coming months.



Wilmington Regional Microtransit

## PROJECT ROADMAP

*Microtransit is a new, on-demand transportation service offering that allows passengers flexibility in their commute and extends our service area into Brunswick and Pender Counties, as well as providing more coverage to northern and southern New Hanover County.*



### Phase 1 – SERVICE LAUNCH

October 11, 2021

Service begins in Zones 1 & 2 connecting portions of Northern Brunswick, Pender, and New Hanover Counties. Passengers can try Microtransit free through Veteran's Day!



### Phase 2 – SERVICE EXPANSION

December 2021

Service begins in Zone 3, connecting Southern New Hanover county and Pleasure Island. Zone 3 can try Microtransit free for 30 days!



### Phase 3 – SERVICE ENHANCEMENTS

January 2022 – February 2022

Zones 1 & 2 gain access to mobile ticketing and online ride reservations on the new Wave Transit app.



### Phase 4 – CONTINUED SERVICE ENHANCEMENTS

March 2022 – April 2022

Service begins in Zone 4. Zones 3 & 4 gain access to mobile ticketing and online ride reservations on the Wave Transit app.

To obtain a map of the zones and for information on fares and how to reserve *your* ride, please visit [wavetransit.com/microtransit](http://wavetransit.com/microtransit)

Projects in Development							Utilities Move Forward	ROW Move Forward	SAP Let Date
Project Manager	Contract Tye	Committed	TIP	PO	Description	County			
Central	Raleigh		B-5642	WMPO	Brunswick 65 on NC 87 over Hood Creek	Brunswick	Y	Y	12/16/2021
Derek Pielech	DPOC		BP3.R004	WMPO	Brunswick 181 over Sturgeon Creek on SR 1437 (Old Fayettevill Rd) (Previously 17BP.3.R.84)	Brunswick	Y	Y	12/16/2021
Central	Raleigh		15BPR.26	WMPO	New Hanover 48 on I-40 E and I-40 W/NE Substructure Repairs	New Hanover New Hanover/ Pender	Y	Y	1/18/2022
Trace Howell	DDRL	Yes	R-3300B	WMPO/CFRPO	Hampstead Bypass	Pender	Y	Y	1/18/2022
Mike Bass	DPOC	Yes	U-5710A	WMPO	US 74 (Eastwood Road)- construct roadway on new location between US 17 (Military Cutoff Road) & US 74 (Eastwood Road)	New Hanover	Y	Y	1/20/2022
Eric Murray	DPOC	Yes	U-5914	WMPO	Widen NC 133 from US 17/74/76 to Old River Rd	Brunswick	Y	Y	6/2/2022
Rail Division	Rail	Yes	P-5740	WMPO	Wilmington Rail At-Grade Crossing Improvement	New Hanover	Y	Y	6/30/2022
David Leonard	DPOC		W-5703E	WMPO	US 117/NC 132 (College Rd) sidewalk between Randall Pkwy and N of University Drive	New Hanover 3D			8/4/2022
Trace Howell	DPOC		W-5703R	WMPO	NC 132 (South College Rd) and Braggs Drive offset lefts	New Hanover			9/15/2022
Eric Murray	DPOC		W-5601DH	WMPO	3rd St and Dock St Intersection	New Hanover			10/21/2022
Eric Murray	DPOC		W-5703C	WMPO	Monkey Junction Pedestrain Improvements	New Hanover			11/17/2022
Krista Kimmel	DDRL		U-5926	WMPO	New Route from 23rd St to 26th St	New Hanover	Y	Y	12/19/2023
Brian Harding	DDRL	Yes	U-6202	WMPO	Widen Gordon Rd to 4 lanes from US 17 Market St to I-40	New Hanover			6/18/2024
Lydia	DPOC		I-6036	WMPO	I-140 - US 17 to North of US 74 pavement rehab	Brunswick			10/17/2024
Central	Raleigh		B-5653	WMPO	Pender 14 on NC 133 over Turkey Creek	Pender			1/21/2025
Lydia	DDRL		I-6039	WMPO	I-40 Pavement rehab from Milemarker 420 to NC 210	New Hanover, Pender			4/15/2025
Mike Bass	DDRL	Yes	U-5710	WMPO	US 74 (Eastwood Rd) at US 17 (Military Cutoff Rd)	New Hanover			9/16/2025
Lydia	DDRL		I-6037	WMPO	I-140 from US 421 to I-40 pavement and bridge rehab	New Hanover			2/17/2026
Trace Howell	DDRL	Yes	U-5792	WMPO	MLK at College	New Hanover			6/16/2026
Trace Howell	DDRL	Yes	R-3300A	WMPO	Hampstead Bypass (US 17 from Military Cutoff Rd to NC 210)	New Hanover/ Pender	Y	Y	9/15/2026
Brian Harding	DDRL	Yes	U-5954	WMPO	NC 133 at 23rd St Roundabout	New Hanover			6/15/2027
Brian Harding	DDRL	Yes	U-5731	WMPO	US 74 at US 17/US 421 Flyover	New Hanover			5/16/2028
Krista Kimmel	DDRL	Yes	U-4434	WMPO	Independence Boulevard Extension	New Hanover			6/20/2028
Brian Harding	DDRL	Yes	U-5729	WMPO	US 421 Carolina Beach Rd Median with intersection improvement at Shipyard and US 421	New Hanover			7/18/2028
Trace Howell	DDRL	Yes	U-5732	WMPO/CFRPO	Hampstead Median: US 17 from SR 1582 (Washington Acres Rd) to Vista Lane	Pender			9/19/2028
Krista Kimmel	DDRL	Yes	U-3338C	WMPO	Kerr Ave Interchange at MLK	New Hanover			12/19/2028
Krista Kimmel	DDRL	Yes	U-4902B	WMPO	US 17 Bus - Market St Median - Railroad to MLK	New Hanover			12/19/2028

Project Manager		Contract Ty:	Committed	TIP	PO	Description	County	Utilities Move Forward	ROW Move Forward	SAP Let Date
Krista Kimmel	DDRL	Yes	U-4902C	WMPO	US 17 Bus - Market St Median & Interchange	New Hanover	Y			6/19/2029
Trace Howell	DDRL	Yes	U-5702A	WMPO	College Rd from New Centre to Shipyard	New Hanover				PY
Trace Howell	DDRL	Yes	U-5702B	WMPO	College Rd Access management improvement from Carolina Beach Rd to Shipyard Blvd	New Hanover				PY
Trace Howell	DDRL	Yes	U-5704	WMPO	US 17 (Oleander) at College	New Hanover				PY
Brian Harding	DDRL	Yes	U-5734	WMPO	US 421 Front St Widening	New Hanover				PY
Trace Howell	DDRL	Yes	U-5790	WMPO	Monkey Junction Interchange	New Hanover				PY
Brian Harding	DDRL	Yes	U-5863	WMPO	NC 133 - Castle Hayne Rd from I-140 to Division Dr	New Hanover				PY
Trace Howell	DDRL	Yes	U-5881	WMPO	College Rd from Gordon Rd to New Centre	New Hanover				PY
Brian Harding	DPOC	No	U-6128	WMPO	US 76 (Oleander Dr) and Greenville Loop Rd/Greenville Avenue Dual Lefts	New Hanover				PY
None	DDRL	Yes	U-6199	WMPO	Wilmington Citywide Signal System Upgrade	New Hanover				PY
Krista Kimmel	DPOC	Yes	U-6201	WMPO	Kerr avenue Extension from Wrightsville Avenue to Oleander Dr	New Hanover				PY
PE Work Continuing										

PO:

Contact:

WMPO

Caitlin Marks

910-341-2001

cmmarks@ncdot.gov

Date Completed:

10/25/2021



Projects Under Construction						
Contract Number	Resident	TIP/WBS/Program	County	Description	Estimated Completion	Percent Complete
DC00290	Kirsten Spirakis	New Hanover	New Hanover	I-40 at Exit 420 - GRP 2	Sep-21	100%
DC00291	Kirsten Spirakis			I-40 at Exit 420 - GRP 3	Dec-21	99.63%
C204557	Kirsten Spirakis			I-40 Rock Plating Group 1	Jun-22	94.5%
DC00309	Daniel Jones	New Hanover	New Hanover	ILM Landscape Improvement - Available August 1	Dec-22	30.08%
DC00300	Daniel Jones			Navassa Landscape Enhancement	Dec-22	51.87%
C203980	Alex Stewart			Military Cutoff Rd Extension from Market St to the Wilmington Bypass with an interchange at the Bypass	Mar-23	57.16%
C204319	Alex Stewart	U-4902D	New Hanover	Superstreet median on Market St (US 17 BUS) from Marsh Oaks Dr to Lendire Dr	Jul-23	48.45%

Resurfacing							
Contract		County	MPO/RPO	Map	Routes	Estimated	
Contract Number	Year					Completion	Percent Complete
DC00311	2022	New Hanover	WMPO	0	Market Street, 3rd Street, Independence Blvd, and patching on 16th & 17th Streets	Sep-23	0
DC00318	2021	Pender	WMPO/CFRPO	0	Pender County Resurfacing	TBD	0
C204409	2021	Brunswick	CFRPO/GSATS/WMPO	0	1 SECTION OF US-17, US-74/76, AND NC-130; AND 11 SECTIONS OF SECONDARY ROADS	TBD	0
DC00304	2021	Brunswick	CFRPO/GSATS/WMPO	0	US 17, NC 904 & VARIOUS SECONDARY RDS.	TBD	0
DC00302	2021	New Hanover	WMPO	0	New Hanover County Resurfacing	Jun-22	77.64%
DC00294	2021	New Hanover	WMPO	0	New Hanover County Resurfacing	Sep-22	11.74%

Interactive Resurfacing Map can be found here: <https://ncdot.maps.arcgis.com/apps/dashboards/d967e1f18d1c41aca2f260fb630a4c64>



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J. ERIC BOYETTE  
SECRETARY

November 2021

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

NOVEMBER TPD UPDATES WILMINGTON MPO

NOVEMBER 2021

**Brunswick County Model:** The Brunswick County Model was completed in February of last year.

**Brunswick County Comprehensive Transportation Plan (CTP):**

Currently the TPD engineers are creating internal documents for peer review, management review and steering committee review prior to going to public involvement. Post public involvement, there will be one more round of reviews prior to adoptions and endorsements.

**Wilmington Model:** The 2045 Travel Demand Model and 2045 Wilmington MPO MTP was adopted on 11/18/2020 by the Wilmington MPO Board.

**NCDOT National Walk to School Day:** On Oct. 6, thousands of children, parents, officials and community members across North Carolina showed their support for safer streets, healthier habits and less traffic congestion by taking part in more than 100 events on Walk to School Day.

**NCDOT Wins National Safety Award:** The Federal Highway Administration and the Roadway Safety Foundation honored NCDOT with a 2021 National Roadway Safety Award.

The award recognized NCDOT for its pilot program to install thermoplastic lane markings, which are more durable and better at reflecting headlights, thanks to embedded glass beads in the plastic paint.

More than 400 miles of rural, two-lane roads in North Carolina received the high-visibility markings between 2014 and 2017.

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TRANSPORTATION PLANNING DIVISION  
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*Customer Service:* 1-877-368-4968

*Website:* [ncdot.gov](http://ncdot.gov)

*Location:*  
1554 MAIL SERVICE CENTER  
RALEIGH, NC 27699

**Brunswick County Bridge Requires Maintenance:** A bridge on Daws Creek Road in Brunswick County was scheduled to be closed the week after while N.C. Department of Transportation crews performed maintenance.

The closure was scheduled to begin at 8 a.m. Oct. 11 and be completed by 5 p.m. Oct. 15. This allowed maintenance crews to safely replace a pipe at a tributary of Dews Creek near Funston Road.

**Updates on Coronavirus (COVID-19) in North Carolina:** <https://covid19.ncdhhs.gov/>

### **Helpful Links:**

Click on links below to learn more:

- NCDOT home page—[ncdot.gov](http://ncdot.gov)
- Real-Time Traffic—[DriveNC.gov](http://DriveNC.gov) | [North Carolina Traffic & Travel Information](http://North Carolina Traffic & Travel Information)
- Report a pothole—[NCDOT Contact Us Form](http://NCDOT Contact Us Form)
- NCDOT: State Transportation Improvement Program— [ncdot.gov/sti](http://ncdot.gov/sti)
- Interactive Bicycle Routes Map—<https://www.ncdot.gov/bikeped/ncbikeways/default.aspx>
- Links to all traffic count data information—[Traffic Survey Group \(ncdot.gov\)](http://Traffic Survey Group (ncdot.gov))
- NCDOT Interactive Traffic Volume Map—[Interactive Traffic Volume map \(ncdot.gov\)](http://Interactive Traffic Volume map (ncdot.gov))
- Traffic Safety Data & Engineering—[NCDOT: Traffic Safety Data & Engineering](http://NCDOT: Traffic Safety Data & Engineering)

### **NCDOT Statewide Plans:**

To learn more, click on the following links:

- [NC Moves 2050 Plan](http://NC Moves 2050 Plan) (or go to [ncdot.gov/ncmoves](http://ncdot.gov/ncmoves))
- [NCDOT Strategic Transportation Corridors](http://NCDOT Strategic Transportation Corridors) (or go to [ncdot.gov](http://ncdot.gov) and search: Strategic Transportation Corridors)
- [NCDOT Comprehensive State Rail Plan \(25-Year Vision\)](http://NCDOT Comprehensive State Rail Plan (25-Year Vision)) (or go to [ncdot.gov](http://ncdot.gov) and search: rail plan)
- [NC Statewide Multimodal Freight Plan \(2015-2040\)](http://NC Statewide Multimodal Freight Plan (2015-2040)) (or go to [ncdot.gov](http://ncdot.gov) and search: public transportation plan)
- [Great Trails State Plan](http://Great Trails State Plan) (or go to [ncdot.gov](http://ncdot.gov) and search: Great Trails)
- [Connecting North Carolinians to Opportunities \(Public Transportation strategic Plan—2018\)](http://Connecting North Carolinians to Opportunities (Public Transportation strategic Plan—2018)) (or go to [ncdot.gov](http://ncdot.gov) and search: public transportation plan)
- [NCDOT Resilience Strategy Report \(2021\)](http://NCDOT Resilience Strategy Report (2021)) (or go to [ncdot.gov](http://ncdot.gov) and search: resilience strategy report)
- [Statewide Pedestrian & Bicycle Plan \(2013\)](http://Statewide Pedestrian & Bicycle Plan (2013)) (or go to [ncdot.gov/bikeped/walkbikenc](http://ncdot.gov/bikeped/walkbikenc))