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

**Wilmington Urban Area Metropolitan Planning Organization
Board
Meeting Agenda**

TO: Wilmington Urban Area MPO Board Members
FROM: Mike Kozlosky, Executive Director
DATE: July 21, 2022
SUBJECT: July 27th meeting

A meeting of the Wilmington Urban Area MPO Board will be held on Wednesday, July 27, 2022, at 3 pm. The meeting will be held in the 6th Floor Conference Room at 320 Chestnut Street downtown Wilmington. The public may attend the meeting in person. Due to COVID-19, pursuant to N.C.G.S. sec. 166A-19.24 the public and Board Members may also attend the meeting remotely as follows:

The 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 URL:

<https://us06web.zoom.us/j/83969107282?pwd=QnIxYWpHNXhlMHlyek5JQXhHbDh1Zz09>

The public may also dial in and listen to the simultaneous live audio of the remote meeting at the following dial in number: 646 558 8656 or 301 715 8592. And when prompted, enter:

Meeting ID: 839 6910 7282

Passcode: 920663

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

The following is the agenda for the meeting:

- 1) Call to Order
- 2) Conflict of Interest Statement
- 3) Approval of Board Member Excused Absences
- 4) Approval of the Agenda
- 5) Public Comment Period

Persons wishing to submit a public comment to be shared during the MPO Board meeting may do so by 5 pm on July 26, 2022, by calling (910) 341-3258 to leave a message or by e-mailing comments to wmpo@wilmingtonnc.gov. The public voicemails will be played aloud and the public comment e-mails will be read aloud by a staff member during the meeting. Per the adopted Public Participation Plan, public comments shall be limited to 3 minutes.

- 6) Presentations
 - a. Congestion Management Process Data Support- Zachary Bugg P.E., Kittleson

Wilmington Urban Area Metropolitan Planning Organization

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

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- 7) Consent Agenda
 - a. Approval of Board Meeting Minutes from June 29, 2022 (p. 3-10)
 - b. Opening of the 30-day public comment period for 2020-2029 STIP/MPO Amendment #22-5 (p.11-12)
 - c. Resolution approving 2020-2029 STIP/MPO Administrative Modification #22-6 (p. 13-16)
 - 8) Discussion
 - a. 2020-2029 STIP/MPO Transportation Improvement Program Administrative Modifications #22-7 (p. 17-18)
 - b. Cape Fear Memorial Bridge Replacement- Project Delivery Options (p. 19)
 - 9) Updates
 - a. Wilmington Urban Area MPO (p. 20-26)
 - b. Cape Fear Public Transportation Authority (p. 27-28)
 - c. NCDOT Division (p. 29-31)
 - d. NCDOT Transportation Planning Division (p. 32-33)
 - 10) Announcements
 - a. Wilmington MPO Bike/Pedestrian Committee-August 9th
 - 11) Next meeting – August 31, 2022
- Attachments**
- MPO Board Meeting Minutes- June 29, 2022
 - Proposed 2020-2029 STIP/MPO Amendment #22-5
 - Proposed 2020-2029 STIP/MPO Administrative Modification #22-6
 - Resolution approving 2020-2029 STIP/MPO Administrative Modification #22-6
 - Proposed 2020-2029 STIP/MPO Transportation Improvement Program Administrative Modifications #22-7
 - Cape Fear Memorial Bridge- Overview of NCDOT To Evaluate Project Delivery Options
 - Wilmington Urban Area MPO Update (July)
 - Cape Fear Public Transportation Authority Update (July)
 - NCDOT Division Project Update (July)
 - NCDOT Transportation Planning Division Project Update (July)
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WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

MPO Board Meeting Minutes 6th Floor Training Conference Room, 320 Chestnut Street, Wilmington, N.C. Wednesday, June 29, 2022

Members Present (in-person)

Neil Anderson, City of Wilmington
Lynn Barbee, Town of Carolina Beach
Jonathan Barfield, Jr., New Hanover County
Brenda Bozeman, Town of Leland
John Ellen, Town of Kure Beach
Deb Hays, Cape Fear Public Transportation Authority
Hank Miller, Vice Chair, Town of Wrightsville Beach
David Piepmeyer, Chair, Pender County
Luke Waddell, City of Wilmington
Frank Williams, Brunswick County

Others Present (in-person)

Adam Caldwell, Tom Tillis' Office
Adrienne Cox, NCDOT
Natalie English, Wilmington Chamber of Commerce
Scott A. James, WMPO
Chad Kimes, NCDOT
Andy Koeppel
Mike Kozlosky, WMPO
Abby Lorenzo, WMPO
Tyler Newman, BASE
Jason Reyes, Alta
Greer Shivers, WMPO
Emma Stogner, WMPO

Members Present (remotely)

Mike Allen, Town of Belville

Others Present (remotely)

Stephanie Ayers, NC State Ports Authority
Amna Cameron, NCDOT
Veronica Carter, Town of Leland
Nick Craig
Jon Dodson, Wave Transit
Mike Forte, Brunswick County
Cheryl Hannah, HDR
Regina Hopkins, WMPO
Grayson Jackson
B Johnson
Bill Kincannon, HDR
Deb LeCompte, Town of Carolina Beach
Jody Lewis, VHB Engineering
Rachel McIntyre, WMPO
Behshad Norowzi, NCDOT
Tony Sumter, NCDOT-IMD
Strat

1. Call to Order

Chairman Piepmeyer called the meeting to order at 3:00 p.m. He called the roll, and a quorum was present as follows:

Present: Mike Allen, Lynn Barbee, Brenda Bozeman, John Ellen, Hank Miller, David Piepmeyer, Luke Waddell, Frank Williams and Landon Zimmer. **Absent:** Neil Anderson, Jonathan Barfield, Deb Hays and Eulis Willis.

2. Conflict of Interest Statement

Chairman Piepmeyer read the conflict-of-interest statement. He asked if any member had a conflict of interest with any of the items on the meeting agenda. No members reported having a conflict.

3. Approval of Board Members' Excused Absences

Mr. Kozlosky said that no MPO Board members have requested to be excused.

4. Approval of the Agenda

Mr. Ellen made a motion to approve the agenda as presented. Mr. Williams seconded the motion and it carried unanimously by roll call as follows:

Ayes: Mike Allen, Lynn Barbee, Jonathan Barfield, Brenda Bozeman, John Ellen, Hank Miller, David Piepmeyer, Luke Waddell, Frank Williams and Landon Zimmer. **Nays:** None. **Absent:** Neil Anderson, Deb Hays and Eulis Willis.

5. Public Comment Period

Mr. Andy Koeppel spoke to the MPO Board in opposition to extending Interstate 685 to Wilmington. He pointed out that the extension would run parallel to the I-40 corridor and the funds might be better used for the interstate between Wilmington and Charlotte. He noted that there is 35-mile missing link between the Monroe Expressway and the Rockingham/Hamlet Bypass, and that ocean freight goes to Charlotte via Charleston instead. He suggested that another project might be an interstate link between Florence, SC, where I-20 terminates, and Wilmington, which would facilitate interstate travel to Atlanta.

6. Presentation

a. TET Coalition/NCDOT Mileage-Based User Fee Pilot for Elected Officials- Amna Cameron, NCDOT

NCDOT Deputy Director of Strategic Initiatives and Program Support Amna Cameron gave a brief presentation regarding a new pilot program, Mileage-Based User Fee (MBUF), to capture data that would support transportation operations. She said that elected officials can participate anonymously by installing a device in their on-board diagnostics (OBD) port that can capture gas tax share, and by completing an entry and exit survey about their confidence in the data and privacy. She noted that the IIJA, the latest federal reauthorization bill, includes the federal pilot, that Utah and Oregon have existing pilots, and that a third state, Virginia, will implement one on Friday. The end of July is the deadline to sign up to participate in the pilot program, which will run through the end of October.

In response to an inquiry by Mr. Anderson, Ms. Cameron said that the mileage rate is \$0.016 per mile.

Mr. Barfield said that the state is in the process of developing a clean transportation plan, for which he is serving on the Vehicle Miles Traveled Subcommittee. He inquired if the pilot will be incorporated. Ms. Cameron said that it is being taken in partnership and will raise awareness about miles drive.

Mr. Barfield expressed concerns regarding paying the MBUF in a lump sum. Ms. Cameron speculated that it might be more like a toll.

Ms. Cameron said that all MPO Board members, spouses and children are welcome to participate. She noted that the tool includes notification about vehicles leaving the county.

Mr. Kozlosky said that the information is included in the packet and that staff will email it as well.

Ms. Cameron noted that the MBUF will not be functional until nationalized.

b. Town of Kure Beach Bicycle and Pedestrian Plan- Jason Reyes, Alta Planning + Design

Alta Planning + Design Senior Planning Associate Jason Reyes gave a presentation on the Town of Kure Beach Bicycle and Pedestrian Plan. He said the Town and the MPO started working on the plan last fall with support from the Town's Bicycle and Pedestrian Committee, Town Council and other stakeholders. Development of the plan began with a week-long charette to tour the town

with town officials and learn about walking and biking, quality of life and safety issues and opportunities. Eighty people attended the first workshop that followed where feedback was collected on an Island Greenway Extension connecting Carolina Beach with Fort Fisher, crossings on Fort Fisher Boulevard and K Avenue, and other short greenway extensions.

Mr. Reyes said that the walking audit with the Town's Bike and Pedestrian Committee and the MPO's 2045 Plan informed the plan's development. About 450 people participated in the process, which also included representatives from MOTSU, NCDOT and other stakeholders. He added that the charette was augmented with an online map and comment component as well as a survey. Survey responses totaled 444 and identified the Island Greenway Extension from Town Hall to K Avenue as the top priority followed by K Avenue crossing Improvements, and continuing the extension south in the form of a side path on Fort Fisher Boulevard. He commented that it was a challenge to balance the needs of those living near the greenway with other residents of the Town, and mitigation recommendations included a budget for landscaping and improving any drainage issues.

Mr. Reyes gave an overview of other projects such as improved crosswalks at beach accesses, and re-routing cyclists to lower volume and lower speed parallel route where bike lanes or paths are not possible. He noted that the Town requested to improve the boardwalk access and widening was recommended. He added that regarding funding, a potential partner would be the East Coast Greenway that has received funds to improve trails across North Carolina. He added that the Bicycle and Pedestrian Plan was adopted recently by the Town.

In response to an inquiry by Mr. Barfield, Mr. Reyes said the Island Greenway Extension is about two miles in length. He answered Mr. Barbee's inquiry speculating that the lease with MOTSU for the greenway would be the same as Carolina Beach's and added that greenway signage is recommended to be consistent with Carolina Beach's for continuity.

Mr. Kozlosky said there is a resolution on the Consent Agenda for the Board to consider adopting this plan.

Mr. Ellen said that regarding the boardwalk, CAMA is preparing to change again development and high tide lines in August. He noted that Town Council is requesting a waiver for the boardwalk.

Chairman Piepmeyer expressed appreciation to Mr. Reyes.

7. Consent Agenda

- a. **Approval of Board Meeting Minutes from May 25, 2022**
- b. **Resolution approving 2020-2029 STIP/MPO Amendments #22-3 and #22-4**
- c. **Resolution approving 2020-2029 STIP/MPO Administrative Modification #22-5**
- d. **Resolution requesting Administrative Modifications to the 2020-2029 State/MPO Transportation Improvement Programs for Public Transportation Projects**
- e. **Resolution approving the Go Coast Committee's model policy for Telecommuting and Alternative Work Schedules**
- f. **Resolution supporting the Mobility for Everyone, Everywhere in North Carolina (MEE NC) grant application to the U.S. Department of Transportation's Rural Surface Transportation Grant Program (RURAL)**
- g. **Resolution approving the Scoring Criteria and Competitive Process for the FY 23 Surface Transportation Block Grant-Direct Attributable, Transportation Alternatives Set-Aside Direct Attributable, and Carbon Reduction Programs**

h. Resolution adopting the Town of Kure Beach Bicycle and Pedestrian Plan

Mr. Barfield made a motion to approve the Consent Agenda, Items 7a through 7h. Ms. Hays seconded the motion, and it carried unanimously by roll call as follows:

Ayes: Mike Allen, Neil Anderson, Lynn Barbee, Jonathan Barfield, Brenda Bozeman, John Ellen, Deb Hays, Hank Miller, David Piepmeyer, Luke Waddell, Frank Williams and Landon Zimmer. **Nays:** None. **Absent:** Eulis Willis.

8. Regular Agenda

a. Resolution requesting the North Carolina Department of Transportation Explore Extending Interstate 685 from Dunn to Wilmington in North Carolina

Mr. Kozlosky said there is interest in the central part of the state to have US 421 designated as Interstate I-685. He noted that the language is included in Infrastructure bill that lists US 421 at the interchange at I-85 in Greensboro to I-95 in Dunn as a high priority corridor. He added that this will allow NCDOT to request future interstate designation from the Federal Highway Administration (FHWA) as well as AASHTO. He added that there was a question as why not extend it to Wilmington. He noted that the resolution identifies the benefits that would be received from the proposed extension.

Chairman Piepmeyer inquired how much it would cost to raise it to interstate standards. That cost was not available.

Mr. Williams expressed concerns that this item would detract from the designation of 74/76 as an interstate. Mr. Kozlosky said that the intent is to enhance the area, provide improved access, connect larger populations, connect military installations, and provide an additional evacuation route. He pointed out that I-685 is dissimilar from 74/76, which is a western route, and is proposed to extend to Myrtle Beach. Mr. Williams pointed out that there is an existing I-74 that goes in another direction and might need to be addressed at a future date.

Further discussion continued. Mr. Anderson pointed out that the I-685 extension would run parallel to I-40 and it might be better to connect to it. Mr. Barfield commented that water and sewer has been run along the US 421 corridor and anything that would attract future businesses that pays good wages is desired. Chairman Piepmeyer noted that US 421 was the last open corridor into Wilmington after Hurricane Florence.

Vice Chair Miller made a motion to request NCDOT explore extending Interstate 685 to Wilmington. Mr. Ellen seconded the motion, and it carried unanimously by roll call as follows:

Ayes: Mike Allen, Neil Anderson, Lynn Barbee, Jonathan Barfield, Brenda Bozeman, John Ellen, Deb Hays, Hank Miller, David Piepmeyer, Luke Waddell, Frank Williams and Landon Zimmer. **Nays:** None. **Absent:** Eulis Willis.

Mr. Williams requested that if a letter is sent it also mention the importance of the I-74 corridor. A consensus of the board agreed.

9. Discussion

a. 2020-2029 STIP/MPO Transportation Improvement Program Administrative Modifications #22-6

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

b. Initial Draft 2024-2033 State Transportation Improvement Program (STIP)

NCDOT Division 3 Engineer Chad Kimes gave an overview of the draft 2024-2033 STIP. He noted that cash balances are at a solid \$2.4 billion today. He noted that cost increases were noticed for the 10-year STIP and new estimates were done starting two years ago for the 1,100 projects across the state. The STIP was found to total \$24 to \$26 billion, over programmed by \$12 billion. He added that the federal infrastructure bill and some other revenue provided \$3.8 billion to offset the overage, decreasing it to \$8 billion, which includes adjustments for inflation.

Mr. Kimes said that funding pots relevant to the MPO were impacted. Statewide funds are overprogrammed by \$3.3 billion, Region B overprogrammed by \$391 million, and Division 3 is under programmed. He noted that the Board of Transportation approved measures not to disturb upcoming projects ready to go to construction or right-of-way funded in the first three years through 2026. With the remaining funds, it was decided to add back into the STIP for all three buckets projects starting with the highest ranked ones from Prioritization 3.0 (2013) continuing to the next prioritization and so on, until no money remains. He added that projects began falling out of the STIP in Prioritization 5.0., and any projects that fall out of the STIP will be put into Prioritization 7.0.

Mr. Kimes said that between now and September 30th, project swaps will be considered if they are within 10% of project costs, are within the same boundaries, and have complete coordination between NCDOT and the MPO Board. He added that the draft 2024-2033 STIP is now a more user-friendly format, easier for sorting. He added that the first five years are the only years that are truly committed, and that the last five years allow some money for preliminary engineering (PE) and will still have to compete. Next steps are to discuss potential swaps, submit swaps by September 30th, hold public involvement through the first of the year, and to consider the final draft for adoption by this time next year.

Ms. Kozlosky said that the Department released the initial draft on April 25, 2022. He explained the MPO had 11 projects that moved to unfunded status, nine projects to Preliminary Engineering (PE) only, seven projects with schedule changes, and 17 projects that remain unchanged. He pointed out that in 2020 the Board adopted its five top funded priorities and added two more projects while developing its 2022 legislative agenda, as follows:

- i. Hamstead Bypass
- ii. Independence Boulevard Extension
- iii. Interchange at Martin Luther King Jr. Parkway and Kerr Avenue
- iv. Interchange at Market Street, Eastwood Street, and MLK
- v. Interchange at Military Cutoff Road and Eastwood Road
- vi. South Front Street Widening
- vii. Access Management along Carolina Beach Road

In response to an inquiry by Mr. Anderson, Mr. Kozlosky clarified that the Board will consider these when going through Prioritization 7.0. He gave a more detailed overview of the changes as follows:

Unfunded projects:

- i. South Front Street
- ii. College Road
- iii. Greenville Loop Road
- iv. Ferry

- v. Castle Hayne Road Widening
- vi. Roundabout at 23 Street
- vii. Several projects at ILM (rehab of runway AV-5885. Note: NCDOT Aviation Division and ILM have requested to swap it with AV-5730)

PE only: Holmes Bridge and US 421; several projects along Carolina Beach Road and South College Road; and U-4902C (Market Street), which includes U-5880 (SPUI Interchange at Market Street, Eastwood Street, and MLK). Note: Mr. Kozlosky asked for the cost of the interchange to be broken out from the access management improvements.

Schedule changes: Interchange at MLK and Kerr Avenue (accelerated 2 years to FY27; originally FY29). Kerr Avenue Extension from Peachtree to Oleander (delayed construction 1 year to FY30). U-4902B Market Street Access Management Improvements, College Road to the railroad tracks (right-of-way delayed 5 years, same construction to start in FY29). Independence Boulevard Extension (right-of-way delayed 3 years, construction delayed 1 year to FY29). City's Traffic Signal Systems (same right-of-way in FY28, construction delayed to FY30). Interchange at Military Cutoff Road and Eastwood Road (right-of-way in FY23, construction delayed 1 year to FY26). Runway Extension request to swap (construction in FY28).

Mr. Kozlosky said that many of the projects that have remained unchanged include those currently under construction or scheduled for construction in FY23 or FY24. He noted that the Gordon Road Widening remains programed in FY24. He added that the Drysdale Drive Extension is to be awarded this week.

Ms. Hays inquired about the possibility of stalling the Military Cutoff Road and Eastwood Road Interchange after the Drysdale Drive Extension (U-5710A) is completed. Mr. Kimes responded that it's still on the books, but there will be time to assess it. In response to an inquiry by Mr. Anderson, Mr. Kimes said that NCDOT broke out U-5710A in order to build the interchange.

Mr. Kozlosky said that the first interchanges programmed now will be the MLK and College Road interchange, which will be constructed at the same time as the Military Cutoff-Eastwood Road Interchange, followed one year later by the MLK and Kerr Avenue Interchange.

In response to an inquiry by Chairman Piepmeyer, Mr. Kimes said the Military Cutoff Extension overpass contract completion date is spring of 2023 or sooner.

Mr. Kozlosky said that several projects at ILM remain unchanged as well as the Hampstead Bypass and the access management improvements on US 17 through Hampstead. In response to an inquiry by Mr. Anderson, Mr. Kozlosky said that the section of Market Street from Marsh Oaks Drive to Middle Sound is currently under construction. He added that project U-4902C, Station to Martin Luther King Jr. Parkway, was left out (for PE only) and U-4902B, Martin Luther King Jr. Parkway to railroad tracks, is funded for construction in FY29. He pointed out that there will be a gap, a possible project swap for the Board to consider. He noted that some median projects are being built by other projects.

Mr. Kozlosky reiterated that the MPO has until September 30th to submit project swaps. He noted that discussion will be held regarding possible swap scenarios at the Board's next meeting. He added that more information will be brought back to the Board in August and the Board will consider approving project swaps at its September meeting.

Mr. Barfield requested recommendations regarding project swaps. Mr. Kozlosky said that more information will be provided. He reminded the Board that close coordination with the Department of Transportation will be necessary. He pointed out that the Kerr Avenue Extension might be considered for swapping due to the project being in the vicinity of the intersection of College Road/Oleander Drive.

Mr. Williams requested that a list of swaps be sent to Board members separately as well as staff's recommendations in preparation for next month's discussion. Mr. Kozlosky responded that the list and today's presentation will be forwarded.

Mr. Kimes encouraged the Board to consider its priorities. He pointed out that several smaller projects could add up to one of the priorities desired for swapping. A brief discussion was held regarding project gaps. Mr. Kimes advised against them.

Chairman Piepmeyer expressed appreciation.

10. Updates

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

Mr. Kozlosky said the updates are included in the agenda packet and expressed appreciation to the Board.

Mr. Kimes reminded board members that a presentation on the Cape Fear Memorial Bridge is scheduled at the Board's July meeting.

Mr. Barfield announced that New Hanover County has kicked off its Transit and Trails education program related to the ¼-cent sales tax referendum to be considered by voters in November.

11. Announcements

- a. **Wilmington MPO Bike/Pedestrian Committee-August 9th**
- b. **Next MPO Board Meeting – July 27th**

12. Adjournment

Mr. Williams made a motion to adjourn the meeting, seconded by Mr. Ellen, and the motion carried unanimously by roll call as follows:

Ayes: Mike Allen, Neil Anderson, Lynn Barbee, Jonathan Barfield, Brenda Bozeman, John Ellen, Deb Hays, David Piepmeyer, Luke Waddell, Frank Williams and Landon Zimmer. **Nays:** None. **Absent:** Hank Miller and Eulis Willis.

The meeting adjourned at 4:15 p.m.

Respectfully submitted,

Mike Kozlosky
Executive Director
Wilmington Urban Area Metropolitan Planning Organization

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

Proposed Revisions to 2020-2029 STIP/MPO TIP Programs

STIP/MPO TIP Amendment #22-5 (June 2022)

STATEWIDE PROJECT

STIP ADDITIONS			
TU-0014 STATEWIDE PROJ.CATEGORY PUBLIC TRANS	- STATEWIDE PROJECT	NCDOT, NCSU (ITRE) WILL PROVIDE TECHNICAL ASSISTANCE TO THE INTEGRATED MOBILITY DIVISION AND SUBRECIPIENTS. <u>ADD FUNDING IN FY 23 AT THE REQUEST OF THE INTEGRATED MOBILITY DIVISION.</u>	PLANNING FY 2023 - \$127,000 (L) FY 2023 - \$507,000 (5311) \$634,000
TU-0015 STATEWIDE PROJ.CATEGORY PUBLIC TRANS	- STATEWIDE PROJECT	NCDOT, NCSU (ITRE) WILL USE THE FUNDS TO PROVIDE TRAINING/PROFESSIONAL DEVELOPMENT RELATED TO THE DELIVERY OF ADA TRAINING TO TRANSIT PROFESSIONALS. <u>ADD FUNDING IN FY 23 AT THE REQUEST OF THE INTEGRATED MOBILITY DIVISION.</u>	PLANNING FY 2023 - \$73,000 (RTAP) \$73,000

Proposed Revisions to 2020-2029 STIP/MPO TIP Programs

STIP/MPO TIP Amendment #22-5 (June 2022)

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

STIP ADDITIONS				
* BL-0059 NEW HANOVER PROJ.CATEGORY DIVISION	- WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION	FORT FISHER BOULEVARD, K AVENUE, AND NORTH 3RD STREET, INTERSECTION IMPROVEMENTS INCLUDING ADA CROSSWALKS, PEDESTRIAN ACTUATED PUSH BUTTONS, AND SIDEWALK CONNECTIONS IN KURE BEACH. <u>ADD PROJECT AT THE REQUEST OF THE MPO.</u>	ENGINEERING RIGHT-OF-WAY CONSTRUCTION	FY 2023 - \$57,000 (BGDACV) FY 2023 - \$53,000 (BGDACV) FY 2024 - \$250,000 (BGDACV) FY 2024 - \$52,000 (L) \$412,000

Proposed Revisions to 2020-2029 STIP/MPO TIP Programs

STIP/MPO TIP Modification #22-6 (May 2022)

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

STIP MODIFICATIONS

* EB-5600 NEW HANOVER PROJ.CATEGORY DIVISION	- WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATIONSHIPYARD BOULEVARD. CONSTRUCT MULTI-USE PATH. <u>AT THE REQUEST OF THE MPO, DELAY RIGHT-OF- WAY FROM FY 22 TO FY 24 AND CONSTRUCTION FROM FY 22 TO FY 24.</u>	ENGINEERING RIGHT-OF-WAY CONSTRUCTION	FY 2022 - \$120,000 (BGANY) FY 2022 - \$30,000 (L) FY 2024 - \$24,000 (BGANY) FY 2024 - \$6,000 (L) FY 2024 - \$590,000 (BGANY) FY 2024 - \$148,000 (L) \$918,000
* EB-6025 BRUNSWICK PROJ.CATEGORY DIVISION	- WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATIONNC 133 BETWEEN MORECAMBLE BOULEVARD AND RICE HOPE RUN IN BELVILLE. <u>AT THE REQUEST OF THE MUNICIPALITY, REMOVE RIGHT-OF-WAY PREVIOUSLY PROGRAMMED IN FY 22.</u>	CONSTRUCTION	FY 2022 - \$134,000 (BGDA) FY 2022 - \$33,000 (L) \$167,000
* EB-6026 BRUNSWICK PROJ.CATEGORY DIVISION	- WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATIONPATH ALONG NC 133 CONNECTING NORTH AND SOUTH ENTRANCES OF HAWKESWATER DEVELOPMENT TO BELVILLE ELEMENTARY SCHOOL. <u>AT THE REQUEST OF THE MUNICIPALITY, REMOVE RIGHT-OF-WAY PREVIOUSLY PROGRAMMED IN FY 22.</u>	CONSTRUCTION	FY 2022 - \$94,000 (TADA) FY 2022 - \$24,000 (L) \$118,000
EB-6039 NEW HANOVER PROJ.CATEGORY DIVISION	- WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATIONST. JOSEPH AVENUE AND LEWIS DRIVE FROM LAKE PARK BOULEVARD TO ACCESS DRIVE IN CAROLINA BEACH. <u>TO MATCH SCHEDULE PROVIDED BY THE MUNICIPALITY, DELAY CONSTRUCTION FROM FY 22 TO FY 23.</u>	CONSTRUCTION	FY 2023 - \$398,000 (BGDA) FY 2023 - \$100,000 (L) \$498,000

Proposed Revisions to 2020-2029 STIP/MPO TIP Programs

STIP/MPO TIP Modification #22-6 (May 2022)

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

STIP MODIFICATIONS

TQ-6513 NEW HANOVER PUBLIC TRANS	- WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY, PROJECT PROVIDES OPERATING SUPPORT FOR FIXED BUS ROUTE 205 LONG LEAF PARK WHICH SERVICES NOVANT HOSPITAL AND THE MEDICAL CENTER. THIS ROUTE CARRIES A HIGH CONCENTRATION OF INDIVIDUALS WITH DISABILITIES AS IDENTIFIED THROUGH AN EXTENSIVE ONBOARD SURVEY EFFORT CONDUCTED IN FY17. A SURVEY EFFORT IS SLATED FOR FY23. <u>MODIFY FUNDING IN FY 23, 24 AT THE REQUEST OF THE MPO.</u>	OPERATIONS	FY 2023 - \$85,000 (L) FY 2023 - \$85,000 (5310) FY 2024 - \$88,000 (L) FY 2024 - \$88,000 (5310) \$346,000
TQ-7005 NEW HANOVER PUBLIC TRANS	- WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY, PROJECT IS FOR ADMINISTRATIVE SUPPORT REQUIRED TO EFFECTUALLY MANAGE THE SECTION 5310 PROGRAM AND ANNUAL FUNDING ALLOCATION FROM FTA. <u>MODIFY FUNDING IN FY 23, 24 AT THE REQUEST OF THE MPO.</u>	ADMINISTRATIVE	FY 2022 - \$28,000 (5310) FY 2023 - \$24,000 (5310) FY 2024 - \$25,000 (5310) \$77,000
TQ-8019 NEW HANOVER PUBLIC TRANS	- WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY, MOBILITY MANAGER PROVIDES OVERSIGHT AND MANAGEMENT OF SECTION 5310 FUNDS AND ADMINISTERS THE PROGRAMS AND PROJECTS SUPPORTED BY THESE FUNDS. <u>MODIFY FUNDING IN FY 23, 24 AT THE REQUEST OF THE MPO.</u>	CAPITAL	FY 2023 - \$15,000 (L) FY 2023 - \$60,000 (5310) FY 2024 - \$15,000 (L) FY 2024 - \$60,000 (5310) \$150,000

Proposed Revisions to 2020-2029 STIP/MPO TIP Programs

STIP/MPO TIP Modification #22-6 (May 2022)

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

STIP MODIFICATIONS

<div> <div>TQ-9001</div> <div>NEW HANOVER</div> <div>PROJ.CATEGORY</div> <div>PUBLIC TRANS</div> </div>	<div> <div>- WILMINGTON URBAN AREA</div> <div>METROPOLITAN PLANNING ORGANIZATION</div> </div>	<div> <div>CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY,</div> <div>PROJECTS FULFILL THE ALLOCATION FOR NON-</div> <div>TRADITIONAL TRANSPORTATION PROJECTS AS</div> <div>DEFINED IN THE GRANT. THE PROJECT SUPPORTS</div> <div>THE COMMUNITY GRANT OFFERING TO NON-PROFITS</div> <div>AND GOVERNMENTAL ORGANIZATIONS TO REMOVE</div> <div>TRANSPORTATION BARRIERS AND CONNECT ELDER</div> <div>AND INDIVIDUALS WITH DISABILITIES TO NEEDED</div> <div>RESOURCES.</div> <div><u>MODIFY FUNDING IN FY 23, 24 AT THE REQUEST OF</u></div> <div><u>THE MPO.</u></div> </div>	CAPITAL	<div> <div>FY 2022 -</div> <div>FY 2023 -</div> <div>FY 2023 -</div> <div>FY 2023 -</div> <div>FY 2024 -</div> <div>FY 2024 -</div> <div>FY 2024 -</div> <div></div> </div>	<div> <div>\$88,000</div> <div>\$18,000</div> <div>\$73,000</div> <div>\$20,000</div> <div>\$79,000</div> <div></div> <div>\$278,000</div> </div>	<div> <div>(5310)</div> <div>(L)</div> <div>(5310)</div> <div>(L)</div> <div>(5310)</div> <div></div> </div>
<div> <div>U-6202</div> <div>NEW HANOVER</div> <div>PROJ.CATEGORY</div> <div>DIVISION</div> </div>	<div> <div>- WILMINGTON URBAN AREA</div> <div>METROPOLITAN PLANNING ORGANIZATION</div> </div>	<div> <div>SR 2048 (GORDON ROAD), US 17 (MARKET STREET) TO</div> <div>WIDEN ROADWAY.</div> <div><u>COST INCREASE EXCEEDING \$2 MILLION AND 25%</u></div> <div><u>THRESHOLDS.</u></div> </div>	BUILD NC ROW	<div> <div>FY 2022 -</div> <div>FY 2023 -</div> <div>FY 2024 -</div> <div>FY 2024 -</div> <div>FY 2025 -</div> <div>FY 2026 -</div> <div>FY 2027 -</div> <div>FY 2028 -</div> <div>FY 2029 -</div> <div>FY 2029 -</div> <div>AFTER FY 2029 -</div> <div>FY 2022 -</div> <div>FY 2023 -</div> <div>FY 2023 -</div> <div>FY 2023 -</div> <div>FY 2022 -</div> <div>FY 2022 -</div> <div>FY 2023 -</div> <div>FY 2024 -</div> <div>FY 2025 -</div> <div>FY 2026 -</div> <div>FY 2027 -</div> <div></div> </div>	<div> <div>\$429,000</div> <div>\$429,000</div> <div>\$429,000</div> <div>\$429,000</div> <div>\$429,000</div> <div>\$429,000</div> <div>\$429,000</div> <div>\$429,000</div> <div>\$429,000</div> <div>\$3,003,000</div> <div>\$100,000</div> <div>\$6,300,000</div> <div>\$2,650,000</div> <div>\$2,650,000</div> <div>\$2,650,000</div> <div>\$336,000</div> <div>\$12,768,000</div> <div>\$12,432,000</div> <div>\$8,064,000</div> <div>\$51,735,000</div> </div>	<div> <div>(T)</div> <div>(T)</div> <div>(T)</div> <div>(T)</div> <div>(T)</div> <div>(T)</div> <div>(T)</div> <div>(T)</div> <div>(T)</div> <div>(T)</div> <div>(T)</div> <div>(T)</div> <div>(T)</div> <div>(T)</div> <div>(T)</div> <div>(T)</div> <div>(T)</div> <div>(T)</div> <div>(T)</div> <div>(T)</div> <div>(T)</div> <div>(T)</div> <div></div> </div>

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
BOARD**

**RESOLUTION APPROVING ADMINISTRATIVE MODIFICATIONS #22-6 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 #22-6.

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 #22-6.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on July 27, 2022.

David Piepmeyer, Chair

Mike Kozlosky, Secretary

Proposed Revisions to 2020-2029 STIP/MPO TIP Programs

STIP/MPO TIP Modification #22-7 (June 2022)

STATEWIDE PROJECT

STIP MODIFICATIONS

* C-5702D STATEWIDE PROJ.CATEGORY EXEMPT	- STATEWIDE PROJECT	VARIOUS, NORTH CAROLINA CLEAN ENERGY TECHNOLOGY CENTER. CONDUCT A CLEAN-FUEL ADVANCED TECHNOLOGY OUTREACH AND AWARENESS PROGRAM IN ALL CMAQ-ELIGIBLE COUNTIES. <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	IMPLEMENTATION	FY 2022 - \$1,210,000 (CMAQ) FY 2022 - \$303,000 (L) FY 2023 - \$1,396,000 (CMAQ) FY 2023 - \$349,000 (L) \$3,258,000
* C-5702E STATEWIDE PROJ.CATEGORY EXEMPT	- STATEWIDE PROJECT	VARIOUS, NORTH CAROLINA CLEAN ENERGY TECHNOLOGY CENTER. EMISSIONS-REDUCING SUB-AWARDS IN ALL CMAQ-ELIGIBLE COUNTIES. <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	IMPLEMENTATION	FY 2022 - \$1,222,000 (CMAQ) FY 2022 - \$306,000 (L) FY 2023 - \$3,245,000 (CMAQ) FY 2023 - \$811,000 (L) \$5,584,000
TU-0011 STATEWIDE PROJ.CATEGORY PUBLIC TRANS	- STATEWIDE PROJECT	NC DOT, NCDOT-IMD SECTION 5304 PROGRAM FUNDS TO SUPPORT THE INTEGRATED MOBILITY DIVISION URBAN TRANSIT TECHNICAL ASSISTANCE ACTIVITIES. <u>MODIFY FUNDING IN FY 22 AT THE REQUEST OF THE INTEGRATED MOBILITY DIVISION.</u>	PLANNING ADMINISTRATIVE	FY 2022 - \$227,000 (L) FY 2022 - \$1,134,000 (5303) FY 2023 - \$370,000 (5303) \$1,731,000

Proposed Revisions to 2020-2029 STIP/MPO TIP Programs

STIP/MPO TIP Modification #22-7 (June 2022)

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

STIP MODIFICATIONS

U-5914 BRUNSWICK PROJ.CATEGORY DIVISION	- WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION(ROAD). MODERNIZE ROADWAY.	NC 133, US 17/US 74/US 76 TO SR 1554 (OLD RIVER CONSTRUCTION	FY 2023 - FY 2024 - FY 2025 -	\$24,000 (T) \$2,210,000 (T) \$194,000 (T)
	<u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN. DELAY CONSTRUCTION FROM FY 22 TO FY 23.</u>			\$2,428,000



Cape Fear Memorial Bridge Replacement

Overview for NCDOT to Evaluate Project Delivery Options

Overview

The Cape Fear Memorial Bridge opened to traffic in Wilmington, North Carolina on October 1, 1969. Now over 50 years later, the bridge is considered to be near the end of its lifespan and insufficient to carry increasing traffic volumes. Annual maintenance costs continue to increase and replacement parts are becoming increasingly difficult to obtain; however, the proposed Cape Fear Memorial Bridge Replacement (the “Project” or the “Bridge”) is not currently in the State Transportation Improvement Program (STIP) and does not have any state funding allotted to it.

On February 23, 2022, the Wilmington Urban Area Metropolitan Planning Organization (WMPO) Board passed a resolution urging “consideration of all possible options including tolls and previous proposals to fund a replacement for the Cape Fear Memorial Bridge.” Per the request of the WMPO, NCDOT will evaluate options for delivering the Project using a three-pronged approach.

Three-Pronged Approach

Traditional Delivery

A traditional design build or design bid build delivery will require the Project to be evaluated and scored through the next round of NCDOT’s STIP prioritization. NCDOT updates the STIP approximately every two years to ensure it accurately reflects the department’s current financial situation. As part of the traditional delivery analysis, the Department will update the feasibility study, including cost estimates, and provide an indication of where the Project is likely to score in the next round of prioritization. NCDOT will also evaluate the various discretionary grant programs offered by USDOT as well as relevant provisions within the Infrastructure Investment and Jobs Act (IIJA) that was signed into law in November 2021 to determine the feasibility of any such programs and how they may change the funding analysis.

Conventional Toll Delivery

A conventional toll delivery will require the Project to be evaluated per NCDOT’s Toll Project Development Policy (NC Toll Policy) which was implemented in early 2018 to improve the Department’s ability to manage a reliable transportation network, address congestion, leverage limited financial resources, and provide more user choice. Per the guidelines set forth in the Toll Project Feasibility Handbook, there are multiple inputs to the financial feasibility tool that will need to be evaluated. The inputs include, but are not limited to, general project information, traffic characteristics, toll pricing, and project costs. Using traffic and revenue inputs, along with cost information, the financial feasibility tool calculates the ability of a potential toll facility to generate revenue to cover its own costs of operation and assess its ability to fund all or a portion of the capital costs through toll financing.

Alternative Delivery

NCDOT will issue a Request for Information (RFI) to solicit innovative solutions to deliver the Project. Innovative solutions may include, but are not limited to, buildability concepts and financial alternatives. Proposals will be screened for viability, including technical, environmental, engineering, legal, and financial considerations; screening analysis will be presented to the WMPO for consideration.

Not Under Consideration

NCDOT will only evaluate options that are within the Department’s purview and statutory authority, as such the Department will not pursue options such as the following:

- Requests to the N.C. General Assembly for special assistance such as a STIP exemption or special appropriation
- Solicitation of local participation; while the Department encourages local participation, local funds will not be included in any analysis unless specifically identified and requested by the WMPO

**WILMINGTON URBAN AREA
MPO
July 2022**

WALK WILMINGTON COMPREHENSIVE PEDESTRIAN PLAN UPDATE

Project Description/Scope: The City of Wilmington, in recognizing the desire of its citizens for a more walkable, livable community, applied for and received an NCDOT Planning Grant in 2021 to update the 2009 Walk Wilmington Comprehensive Pedestrian Plan. A Steering Committee, comprised of local stakeholders, citizens, and city staff, has been assembled to work with the consultant, Alta, to guide the development of the plan's update. The Steering Committee held its first meeting on Monday, March 28th. During the meeting, Steering Committee members discussed their visions for the future of walking in the City; reviewed the successes of the current plan and opportunities to build upon; and began identification of where improvements will be most critical in the future. Alta completed a draft existing conditions analysis and an infrastructure safety analysis. The infrastructure safety analysis was presented to and discussed by the Steering Committee during its May 26th meeting, as well as a strategy for public engagement. A comprehensive public engagement period that includes both a survey and input map application began June 15 and will continue until July 27. Ongoing during the outreach process are several in-person survey opportunities targeted to gather input from traditionally underserved communities.

Project Status and Next Steps:

- Development of project and policy recommendations and review by Steering Committee planned for summer late 2022.
- Draft plan anticipated for release in fall 2022.
- Final plan presentation to City Council in December 2022.

NAVASSA COLLECTOR STREET PLAN

Project Description/Scope: In October, the Town of Navassa, the WMPO, and AECOM kicked off the development of the Navassa Collector Street Plan. Development of the plan, which will replace the 2004 Town of Navassa Collector Street Plan, is scheduled to last approximately eight months. The plan is funded as a special study in the WMPO's adopted FY 22 UPWP. The new collector street plan will serve as a tool for the Town to guide both public and private investments in shaping the transportation network as the Town continues to grow. The plan will provide a comprehensive network of streets to safely and efficiently access major roads and thoroughfares, outline collector street design recommendations, and identify opportunities for multimodal connectivity, preparing the Town to serve future developments while preserving its existing neighborhoods. The proposed collector street network will complement the Town's future park and trail network as well as the Comprehensive Bicycle and Pedestrian Plan currently in development. Plan development is being guided by a Steering Committee and incorporates public input received via a public survey and both in-person and virtual public meetings.

Project Status and Next Steps:

- Draft plan (including implementation plan) was provided by AECOM on April 29th
- Revised draft plan was provided by AECOM on June 4th
- Final Steering Committee Meeting was held on June 23rd to review the revised draft plan
- Presentation to Navassa Town Council in July 2022
- Presentation to WMPO Board in August 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: 14 reviews
- New Hanover County Informal Plan Reviews: 1 reviews
- New Hanover Concept Reviews: 0 review
- Town of Leland Development Plan Reviews: 0 reviews
- Town of Leland Formal Reviews: 12 reviews
- Town of Leland Informal Reviews: 0 reviews
- Town of Navassa Formal Plan Reviews: 0 review
- Town of Navassa Informal Reviews: 0 review
- 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: 2 reviews
- Brunswick County Formal Plan Reviews: 0 reviews
- Brunswick County Informal Plan Reviews: 0 reviews
- Pender County Development Plan Formal Reviews: 6 reviews
- Pender County Informal Plan Reviews: 1 reviews
- Pender County Concept Reviews: 0 reviews
- TIA Reviews: 36 total active (34 under review; 2 approved; 0 new): New Hanover County 11 (0 new, 11 under review), City of Wilmington 10, (0 new, 10 under review), Carolina Beach 0, Town of Belville 0, Town of Leland 6, (0 new, 5 under review, 1 approved), Town of Navassa 1, (1 under review), Pender County 6 (0 new, 5 under review, 1 approved) and Brunswick County 2, (0 new, 2 under review)
- City of Wilmington Formal Reviews: 42 reviews (10 new, 32 on-going)
- City of Wilmington Informal Reviews: 17 reviews (4 new, 13 on-going)
- City of Wilmington Concept Reviews: 0 reviews
- City of Wilmington Full Releases: 6

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

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:

- NCDOT approval of final design elements and right-of-way authorization obtained June 10, 2022
- Advertise for Bid – December 2022
- Begin Construction – May 2023
- Construction Complete- January 2024

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 was substantially completed in January 2022.
- Official ribbon cutting occurred on 01/25. Project closeout is underway.
- Complete Project Closeout – Summer 2022

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:

- NCDOT approval of final design elements and right-of-way authorization obtained June 10, 2022
- Advertise for Bid –December 2022
- Begin Construction –May 2023
- Construction Complete- January 2024
- City is currently requesting approval from NCDOT for final design elements and right of way authorization

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:

- NCDOT approval of final design elements and right-of-way authorization obtained June 10, 2022
- Advertise for Bid –December 2022
- Begin Construction –May 2023
- Construction Complete- January 2024
- City is currently requesting approval from NCDOT for final design elements and right of way authorization

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
- Project on hold pending resolution of contracting issues with the consultant
- Contractor is expected to return last two-weeks in May 2022 to finish
- Project completion extended to June 30, 2022
- On hold pending negotiation of pay items and scheduling with the Contractor
- Final completion date to be determined

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
- Project on hold pending resolution of contracting issues with the consultant
- Contractor is expected to return last two-weeks in May 2022 to finish
- Project completion extended to June 30, 2022
- On hold pending negotiation of pay items and scheduling with the Contractor
- Final completion date to be determined

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
- Project on hold pending resolution of contracting issues with the consultant
- Contractor is expected to return last two-weeks in May 2022 to finish
- Project completion extended to June 30, 2022
- On hold pending negotiation of pay items and scheduling with the Contractor
- Final completion date to be determined

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:

- Final Approval on PS&E from NCDOT February 28, 2022
- Bid advertised on March 3, 2022 with May 3, 2022 opening date, pre-bid meeting held on March 5, 2022
- One bid submitted on May 3, 2022.
- Re-Bid opening on May 10, 2022 only received one bid. Staff did not recommend award due to budget constraints
- Submitted a Resolution to Council to Reject Bids approved by City Council on June 21st
- Readvertise with EB-6028 and possible another City project in August or September 2022

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

- The consultant is proceeding with the right-of-way acquisition.
- Proposed property valuations have been submitted and have been approved by NCDOT.
- Letters to property owners have been mailed to initiate the acquisition process.
- Construction fund authorization request will occur next federal fiscal year

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 entered into a contract with Withers & Ravenel
- 100% plans approved by NCDOT
- Contract proposal (with cost estimate) approved April 11, 2022
- Anticipated RFLOI early July 2022
- Project plans for October 2022 LET

U-6234 MULTI-MODAL PHASE 1 B

Project Description/Scope: Rehabilitation of the historic structure located at 525 N 4th Street for MPO offices.

Project Status and Next Steps:

- Paragon Building Corp awarded bid and signed the contract
- Project design team working thru submittals and proposed construction schedule

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 2021 is expected to last through February 2023.

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
- Agreement executed with NCDOT on August 18, 2021
- Design discussions held with KHA on August 31, 2021
- Public meeting held on March 24, 2022, to present three (3) design alternatives for bike path on St. Joseph
- KHA presented to Town's Bike & Pedestrian Committee summary of comments on April 18, 2022
- KHA scheduled to present at Town Council regularly scheduled meeting on May 10, 2022
- Town Council approved Option 3 on May 10, 2022, as presented by KHA
- On May 25, 2022 project managers submit RFLOI to NCDOT requalified engineering firms with

a response deadline of June 8, 2022

- Responses to RFLOI under review by WMPO/Town of Carolina Beach

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 entered into a contract with Withers & Ravenel
- 100% plans approved by NCDOT
- Contract proposal (with cost estimate) approved April 11, 2022
- Anticipated RFLOI early July 2022
- Project plans for October 2022 LET

EB-6027 – NEW HANOVER COUNTY -MIDDLE SOUND GREENWAY

Project Description: Design only of the Middle Sound Greenway connection from Red Cedar to Ogden Park

Project Status and Next Steps:

- ROW acquisition continuing
- NCDOT issued notice of Construction Authorization on April 12, 2022.
- Comments received from CFPUA indicate conflicts with utilities will require design adjustments
- Additional field investigations and design review to take place in early-to-mid July 2022.

EB-6028 —CITY OF WILMINGTON- 21ST 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:

- NCDOT has approved the project plans
- Preparation of bid documents is underway

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. Bike Share

The WMPO Board approved the release of a new Request for Proposal (RFP) to bring a bike share program to the Wilmington area. The RFP closed on April 11, 2022, and a bike share selection committee was assembled to review and score proposals. The committee voted to reject all proposals and re-advertise the RFP to solicit more options. After internal discussion, WMPO staff elected to pause the process while staff holds discussions with member jurisdictions to determine the best route forward.

2. New Hanover County's ¼ Cent Sales Tax for Transit

Go Coast is utilizing its social media presence to assist in educating the public about New Hanover County's ¼ cent sales tax for transit referendum that will be on the ballot for all county residents to decide on in November 2022.

3. City of Wilmington Trail Etiquette Video Update

Go Coast has been assisting City of Wilmington Parks staff in an update to its 2013 Trail Etiquette video.

4. Brunswick Heritage Riverside Ride

Go Coast has been working with local staff in Navassa, Leland, Belville, and Brunswick County to begin preparation for the second annual Brunswick Heritage Riverside Ride. The ride is tentatively set for September 24, 2022. A coordination meeting will be held in mid-July to finalize the date.

5. TDM Coordinator Position

WMPO staff is currently advertising for an associate planner to assume the roles and responsibilities of the TDM program's coordination. The position will remain open until a qualified candidate is hired.

6. Go Coast Meeting

Staff will reach out to committee members in July to determine the next meeting date.



Cape Fear Public Transportation Authority

Project Updates

July 2022

1. Service Enhancements Scheduled for July 2022

In February 2022, the Wave Transit Board of Directors voted unanimously to adopt a proposal to expand the existing network, as well as to invest in more frequent service. The approved service enhancements will be implemented on Sunday, July 3, 2022. Funding for these enhancements is due to the additional \$108 billion authorized for public transportation under the Bipartisan Infrastructure Law. The new law increases Wave Transit's federal formula funding by approximately \$700,000 each year over the next five years. In addition to the Board approved 30% increase in service frequencies, the July changes will yield:

- A retention of the current urban core network with additional peripheral improvements
- Reallocation of resources for Routes 207 North and 301 Pleasure Island and the service replacement of these areas with RideMicro, an on-demand microtransit service model
- Introduction of 30-minute frequencies on Routes 108-Market St, Route 201-Carolina Beach Rd, and Route 205-Long Leaf Park
- Increased reliability for Route 107-College Rd by providing consistent 60-minute frequency
- A revision of Route 104 Northeast to provide streamlined and new service along a previously unserved stretch of Market St. RideMICRO will complement this revision as well.
- A seasonal trolley schedule, which will provide a relocation of service hours to the most productive services.

Customers and members can find updated schedules at the Authority's website, at the two main transfer stations, on vehicles, or through the main office at (910) 343-0106.

2. 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 fare, which are equal to existing fixed route fares, and finally, the availability of smartphone app technology for trip reservations and fare payment.

NCDOT's ConCPT and community grants fully funded the service at 100%. This is a pilot project, with options to extend pending availability of grant funds. The FY2023 application for a second year of support was submitted and approved by NCDOT.

October 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 County**. Service to **Zone 3 Southern New Hanover/Pleasure Island** was implemented December 2021. Service to the fourth zone, **Zone 4 Northern New Hanover County** launched April 2022. The combined zones contain thousands of virtual stop

locations to serve the public. Please consult the following link to view virtual stops within each active zone: <https://www.wavetransit.com/how-to-ride-microtransit/>.

Zones 1 and 1 operate Monday through Friday, between 6:30 AM and 10 AM and again from 12 PM through 7:00 PM. Zones 4 and 4 operate seven days a week. Hours for Zones 3 and 4 are weekdays from 6:00 AM through 8:00 PM, Saturdays from 8:00 AM through 6:00 PM, and Sundays from 9:00 AM through 5:00 PM.

WMPO PROJECTS IN DEVELOPMENT					
Project Manager	Contract Type	TIP	Description	County	SAP LET Date
Rail Division	Rail	P-5740A	Wilmington Rail Rehabilitation, Curve Realignment and Upgrade Rail Bridges	New Hanover	6/30/2022
Rail Division	Rail	P-5740C	CSX SE Line Installation of Railroad Grade Crossing Signals and Gates at Various At-Grade Crossings	New Hanover	6/1/2022
Eric Murray	DPOC	U-5914	Widen NC 133 from US 17/74/76 to Old River Road	Brunswick	6/2/2022
Derek Pielech	DPOC	BP3-R004	Brunswick 181 over Sturgeon Creek on SR 1437 (Old Fayetteville Road) (Previously 17BP.3.R.84)	Brunswick	6/23/2022
David Leonard	DPOC	W-5703E	US 117/NC 132 (College Road) sidewalk between Randall Pkwy and N of University Drive	New Hanover	8/4/2022
Eric Murray	DPOC	W-5601DH	3rd Street and Dock Street Intersection	New Hanover	10/21/2022
Trace Howell	DPOC	W-5703R	NC 132 (South Colle Road) and Braggs Drive offset lefts	New Hanover	9/15/2022
David Leonard	DPOC	W-5803B	Install Rumble Strips on US 17 Between New Hanover/Pender County Line and Mile Post 19.30 in O	Pender & Onslow	10/31/2022
Eric Murray	DPOC	W-5703C	Monkey Junction Pedestrian Improvements	New Hanover	11/17/2022
David Leonard	DPOC	W-5803A	Upgrade Pedestrian & Traffic Signals and Revise Median Islands at US 74 (Eastwood Road) at US 17	New Hanover	1/31/2023
Rail Division	Rail	P-5740B	CSX SE Line Improvements to Hwy Grade Xings, Close & Impove Various Exisit. At-Grade Crossings	New Hanover	4/28/2023
Lydia	DDRL	I-6039	1-40 Pavement rehab from Milemarker 420 to NC 210	New Hanover & Pender	6/20/2023
Krista Kimmel	DDRL	U-5926	New Route from 23rd St to 26th St	New Hanover	00/00/2024
Brian Harding	DDRL	U-6202	Widen Gordon Road to 4 lanes from US 17 Market St to I-40	New Hanover	6/18/2024
Lydia	DPOC	I-6036	I-140 - US 17 to North of US 74 pavement rehab	Brunswick	9/19/2023
Derek Pielech	DPOC	17BP.3.R.93 BP3-R012	Replace Bridge 208 over Sturgeon Creek on SR 1472 (Village Road) in Brunswick County	Brunswick	7/3/2025
Derek Pielech	DPOC	B-5653	Pender 14 on NC 133 over Turkey Creek	Pender	1/28/2026
Lydia	DDRL	I-6037	I-140 from US 421 to I-40 pavement and bridge rehab	New Hanover	2/15/2028
Mike Bass	DDRL	U-5710	US 74 (Eastwood Road) at US 17 (Military Cutoff Rd)	New Hanover	9/16/2025
Trace Howell	DDRL	U-5792	MLK at College	New Hanover	6/16/2026
Trace Howell	DDRL	R-3300A	Hampstead Bypass (US 17 from Military Cutoff Road to NC 210)	New Hanover & Pender	9/15/2026
Brian Harding	DDRL	U-5954	NC 133 at 23rd Street Roundabout	New Hanover	6/15/2027
Derek Pielech	Raleigh	BR-0008	Replace Bridge 7 on US 17 over US 76	Brunswick	9/21/2027
Lydia	DPOC	I-6037	I-140 From US 421 to I-40. Pavment & Bridge Rehabilitation	New Hanover	2/15/2028
Brian Harding	DDRL	U-5731	US 74 at US 17/US 421 Flyover	New Hanover	5/16/2028
Krista Kimmel	DDRL	U-4434	Independence Boulevard Extension	New Hanover	6/20/2028
Brian Harding	DDRL	U-5729	US 421 Carolina Beach Rd Median with intersection improvement at Shipyard and US 421	New Hanover	7/18/2028
Trace Howell	DDRL	U-5731	Hampstead Median: US 17 from SR 1582 (Washington Acres Road) to Vista Lane	Pender	5/16/2028
Lydia	DPOC	I-6038	I-140 from US 421 to US74/76. Pavement Rehabilitation	Brunswick	11/16/2028
Krista Kimmel	DDRL	U-3338C	Kerr Ave Interchange at MLK	New Hanover	12/19/2028
Krista Kimmel	DDRL	U-4902B	US 17 Business - Market St Median Railroad to MLK	New Hanover	12/19/2028
Krista Kimmel	DDRL	U-4902C	US 17 Business - Market St Median & Interchange	New Hanover	6/19/2029
Trace Howell	DDRL	U-5702B	College Road Access Management Improvement from Carolina Beach Road to Shipyard Blvd	New Hanover	1/15/2030

PE Work Continuing	
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Update provided: 5/03/22
 PO: WMPO
 Contact: Adrienne Cox, amcox1@ncdot.gov, 910.341.2001

WMPO PROJECTS UNDER CONSTRUCTION						
Contract Number	Resident	TIP/WBS/Work Order	County	Description	Estimated Completion	Percent Complete
DC00316	Alex Stewart	W-5601DH	New Hanover	3rd (US 17 Business) and Dock St	9/13/2022	33.00%
DC00249	Alex Stewart	B-4590	New Hanover	Bridge 29 over Smith Creek	10/2/2023	42.00%
DC00309	Daniel Jones	49404	New Hanover	ILM Landscape Improvement - Available August 1	12/1/2022	89.07%
DC00300	Daniel Jones	R-2633BA(L)	Brunswick	Navassa Landscape Enhancement	12/15/2022	98.77%
C203980	Alex Stewart	U-4751	New Hanover	Military Cutoff Road Extension from Market St to the Wilmington Bypass with an interchange at the Bypass	3/23/2023	72.61%
C204331	Alex Stewart	15BPR.19	New Hanover	Banks Channel (#21, US 76) girder repair, clean and paint bearings, epoxy caps	8/17/2022	14.26%
TBD	Alex Stewart	15BPR.26	New Hanover	Cape Fear (#48, I-140 E) Shear Strengthen	TBD	TBD
C204319	Alex Stewart	U-4902D	New Hanover	Superstreet median on Market St (US 17 BUS) from Marsh Oaks Dr to Lendire Dr	9/17/2023	55.86%
DC00331	Lydia McKeel	44913	Brunswick, Duplin, New Hanover, Onslow, Pender and Sampson	Division Wide ADA Curb Ramp Updates	12/31/2022	18.51%
	Alex Stewart		Brunswick	NC 211 from SR 1500 (Midway Road) to NC 87 Grading, Drainage, Paving, Signals & Structures		
C204553	Daniel Waugh	40237	Pender	NC 417 (Hampstead Bypass) from South of NC 210 to North of SR 1563 (Sloop Point Road)	3/14/2027	5.91%
C204623	Alex Stewart		Brunswick	Replace Bridge 65 on NC 87 Over Hood Creek	3/14/2023	0.00%
C204301	Alex Stewart		New Hanover	New Hanover 48 on I-40E & I-40 W/NE Substructure Repairs	11/15/2022	0.00%
C204629	Alex Stewart		Brunswick	Replace Bridge 57 on NC 211 Over Juniper Creek	12/1/2023	0.00%

WMPO RESURFACING PROJECTS						
Contract Number	Contract Year	County	Routes		Estimated Completion Date	Percent Complete
DC00311	2022	New Hanover	Market Street, 3rd Street, Independence Blvd, and patching on 16th & 17th Streets		9/29/2023	0.00%
DC00318	2021	Pender	Pender County Resurfacing		3/13/2023	88.40%
C204409	2021	Brunswick	1 Section of US-17, US-74/76, And NC-130; and 11 Sections of Secondary Roads		10/1/2022	47.37%
DC00304	2021	Brunswick	US 17, NC 904 & Various Secondary Roads		6/30/2022	48.05%
DC00302	2021	New Hanover	New Hanover County Resurfacing		6/30/2022	88.93%
DC00294	2021	New Hanover	New Hanover County Resurfacing		9/30/2022	53.43%
DC00325	2022	Brunswick	Brunswick Resurfacing B (3/16/2022 Availability Date)		4/14/2023	34.60%
DC00327	2022	New Hanover	New Hanover County Resurfacing (1/06/2022 Availability Date)		4/28/2023	0.00%
DC00330	2022	Sampson	Sampson County Resurfacing and Preservation (7/06/2022 Availability Date)		6/9/2023	0.00%



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

July 2022

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

JULY TPD UPDATES WILMINGTON MPO

JULY 2022

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

Brunswick County Comprehensive Transportation Plan (CTP): The Brunswick County CTP went through Peer Review, Management Review and Steering Committee Review. The county has experienced many changes to their land use and transportation network recently. This has led the county to re-evaluate the area and scope of the CTP. While the updated scope is being worked out, TPD will wait and pause the CTP. Once the county is ready to start the efforts back up again, TPD will reach out to the CTP Steering Committee and continue with the next steps.

Wilmington Model: The 2050 Travel Demand Model work started on 3/1/2022. The TDM is being developed for the next Wilmington MTP. Currently the TPD engineer and modeler are in the data collection phase. TPD has asked the MPO for employment data verification which is due end of August. The next MTP is due end of 2025, and that is also when the TDM will also be adopted by the MPO Board.

Helpful Links:

Click on links below to learn more:

- NCDOT home page—[ncdot.gov](https://www.ncdot.gov)
- Real-Time Traffic—[DriveNC.gov](https://www.drive-nc.com) | [North Carolina Traffic & Travel Information](https://www.ncdot.gov/traffic)
- Report a pothole—[NCDOT Contact Us Form](https://www.ncdot.gov/contact-us)
- NCDOT: State Transportation Improvement Program—[ncdot.gov/sti](https://www.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 \(ncdot.gov\)](https://www.ncdot.gov/traffic-survey)
- NCDOT Interactive Traffic Volume Map—[Interactive Traffic Volume map \(ncdot.gov\)](https://www.ncdot.gov/traffic-volume)

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1 SOUTH WILMINGTON STREET
RALEIGH, NC 27699

Telephone: 919 707 0980
Customer Service: 1-877-368-4968

Website: [ncdot.gov](https://www.ncdot.gov)

Location:
1554 MAIL SERVICE CENTER
RALEIGH, NC 27699

- Traffic Safety Data & Engineering—[NCDOT: Traffic Safety Data & Engineering](#)

NCDOT Statewide Plans:

To learn more, click on the following links:

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