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: March 10, 2022
SUBJECT: March 16th meeting

A meeting of the Wilmington Urban Area MPO’s Technical Coordinating Committee will be held on Wednesday, March 16th 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 N.C.G.S. sec. 166A-19.24.

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/86755841388?pwd=L3ZiWE5vTkxmR2EzTkIkJFQktvQi9vQT09

The public may also dial in and listen to the simultaneous live audio of the remote meeting at the following dial in numbers: 301 715 8592 or 646 558 8656 and entering the following credentials:
Meeting ID: 867 5584 1388
Passcode: 158784

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) Consent Agenda
   a. Approval of TCC Meeting Minutes- February 9, 2022
   b. Resolution approving 2020-2029 STIP/MPO Amendments #22-1 and #22-2
   c. Resolution approving 2020-2029 STIP/MPO Administrative Modification #22-2
   d. Resolution approving the FY 23 Unified Planning Work Program for the Wilmington Urban Area Metropolitan Planning Organization
   e. Resolution certifying the Wilmington Urban Area Metropolitan Planning Organization’s Transportation Planning Process
f. Resolution supporting the City of Wilmington’s application for the North Carolina Emergency Management’s Transportation Infrastructure Resiliency Fund Grant

g. Resolution supporting Pender County’s application for the North Carolina Emergency Management’s Transportation Infrastructure Resiliency Fund Grant

4) Regular Agenda
a. Resolution approving Amendment #3 to the FY 22 Unified Planning Work Program

5) Discussion
a. 2020-2029 STIP/MPO Transportation Improvement Program Administrative Modifications #22-3
b. Wilmington Multi-modal Transportation Center Phase 1B
c. 2022 Legislative Agenda

6) Updates
a. Wilmington Urban Area MPO
b. Cape Fear Public Transportation Authority
c. NCDOT Division
d. NCDOT Transportation Planning Division

7) Announcements
a. Wilmington MPO Bike/Pedestrian Committee- April 12th

8) Next meeting- April 13, 2022

Attachments:
• TCC Meeting Minutes- February 9, 2022
• Proposed 2020-2029 STIP/MPO Amendments #22-1
• Proposed 2020-2029 STIP/MPO Amendments #22-2
• Resolution approving 2020-2029 STIP/MPO Amendments #22-1 and #22-2
• Proposed 2020-2029 STIP/MPO Administrative Modification #22-2
• Resolution approving 2020-2029 STIP/MPO Administrative Modification #22-2
• Draft FY 23 Unified Planning Work Program
• Resolution approving the FY 23 Unified Planning Work Program for the Wilmington Urban Area Metropolitan Planning Organization
• Resolution certifying the Wilmington Urban Area Metropolitan Planning Organization’s Transportation Planning Process
• Resolution supporting the City of Wilmington’s application for the North Carolina Emergency Management’s Transportation Infrastructure Resiliency Fund Grant
• Resolution supporting Pender County’s application for the North Carolina Emergency Management’s Transportation Infrastructure Resiliency Fund Grant
• Proposed Amendment #3 to the FY 22 Unified Planning Work Program
• Resolution approving Amendment #3 to the FY 22 Unified Planning Work Program
• Proposed 2020-2029 STIP/MPO Transportation Improvement Program Administrative Modifications #22-3
• Draft 2022 Legislative Agenda
• Wilmington Urban Area MPO Update (March)
• Cape Fear Public Transportation Authority Update (March)
• NCDOT Division Project Update (March)
• NCDOT Transportation Planning Division Project Update (March)
Members Present
Stephanie Ayers, NC State Ports Authority
Claudia Bray, Town of Navassa
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
Matt Kirkland, Town of Leland
Mike Kozlosky, WMPO
Vanessa Lacer, Pender County
Marty Little, New Hanover County
Caitlin Marks, NCDOT Division of Highways
Megan Matheny, Cape Fear Public Transportation Authority
Robert O’Quinn, Town of Wrightsville Beach
Mandy Sanders, Town of Kure Beach
Nazia Sarder, NCDOT Transportation Planning Branch
Denys Vielkanowitz, City of Wilmington

Members Absent
Granseur Dick, Wilmington International Airport

Others Present
Cheryl Hannah, HDR
David Hursey
Regina Hopkins, WMPO
Scott James, WMPO
Jamar Johnson, WMPO
Sean Kane
Abby Lorenzo, WMPO
Rachel McIntyre, WMPO
Marie Parker, Cape Fear Public Transportation Authority

1) Call to Order
Mr. Kozlosky called the remote meeting to order at 10:00 a.m. and took the roll call pursuant to N.C.G.S. Sec. 166A-19.24. A quorum was present, as follows:

Present: Stephanie Ayers, Helen Bunch, Nick Cannon, Patrick Flanagan, Adrienne Harrington, Paula Kempton, Matt Kirkland, Mike Kozlosky, Vanessa Lacer, Marty Little, Caitlin Marks, Megan Matheny, Robert O’Quinn, Mandy Sanders, Nazia Sarder and Denys Vielkanowitz. Absent: Claudia Bray and Granseur Dick.

2) Approval of the Agenda
In response to an inquiry by Mr. Vielkanowitz, Mr. Kozlosky said that there is no attachment for Discussion Item 6b, FY 23 Unified Planning Work Program Development.

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

Ayes: Stephanie Ayers, Helen Bunch, Nick Cannon, Patrick Flanagan, Adrienne Harrington, Paula Kempton, Matt Kirkland, Mike Kozlosky, Vanessa Lacer, Marty Little, Caitlin Marks, Megan Matheny, Robert O’Quinn, Mandy Sanders, Nazia Sarder and Denys Vielkanowitz. Nays: None. Absent: Claudia Bray and Granseur Dick.

3) Presentation
a. North Carolina State Ports Authority Update- Stephanie Ayers, NC State Ports
Stephanie Ayers gave an update on the NC State Ports Authority with seaports in Wilmington and Morehead City and an inland Port in Charlotte. She said that the NC State Ports Authority serves a variety of customers with container boxes, bulk, break bulk, and roll-on/roll-off commodities. She
noted that the Port of Wilmington is one of 15 strategic seaports of 300 Ports nationwide with Port planning orders to respond to military requests. She added that the Port is strategically located within 700 miles of 70% of the U.S. industrial base and, although a state agency, is a corporate body that pays its own salaries by the revenues it generates.

Ms. Ayers said the Port of Wilmington covers about 300 acres with 100 developable acres to the north of its terminal, and another 100 acres to the south, half of which recently went under lease to build cold storage warehouse capabilities, a potential investment in the tens of millions of dollars. She noted that the Port of Morehead City covers a smaller area of about 130 acres with an additional 150 acres on Radio Island and serves primarily bulk and break-bulk commodities.

Ms. Ayers said that the Port contributes to 87,000 jobs across the state, almost $700 million in tax revenues and more than $15 billion in economic output annually. She noted that fiscal year ’21 ending June 30th, was a record year for the Ports with a 300% increase in refrigerated volumes over the last five years and a 200% growth in intermodal rail since 2017. She explained that much of the Port’s strategic planning is about better serving the refrigerated market (pork, poultry, and sweet potatoes in North Carolina) and importing them for a balance in trade (container boxes in equaling container boxes out). The value proposition to customers is getting product to them as quickly as possible. She added that the Port has the best gate and vessel productivity on the east coast, if not the U.S., and was ranked #1 by the Journal of Commerce for overall productivity in 2019.

Ms. Ayers said that Port undertook a new strategic plan for 2021. She noted that high-level activities included the completion of the $250 million-plus program to improve the infrastructure of its container yard and continuing its Wilmington harbor navigation program. She reiterated that refrigerated commodities and intermodal rail continue to be an important focus for the Port. She gave an overview of the $250 million infrastructure investment plan, which includes the opening of the south gate on Monday, February 14th. She added that the Port is looking into deepening the Wilmington harbor navigation channel from 42 feet to 47 feet, which takes two acts of U.S. Congress – one to authorize the project, which had been secured, and the other to make an appropriation for it. The General Assembly recently set aside the required match for the appropriation in the budget.

Ms. Ayers said that in 2018 the Port completed a container yard expansion master plan to grow from a 350,000 TEU capacity to more than a million TEUs. The plan required new cranes, paving, a new dedicated intermodal yard and improvements to the south gate, which opens next week. She offered to take the committee on a tour. She noted that trucks need only stop at the security gate with radio frequency identification and optical character recognition that reads the numbers on the box and communicates where the driver needs to go on the terminal to pick up or drop off.

Ms. Ayers said the Port has already built the first phase ($14 million) of its refrigerated container yard, where containers are now stacked on racks instead of lying on the ground. Phase two will add 720 plugs for refrigerated containers is another container area. She added that the Queen City Express, the intermodal rail service that moves containers from the Port of Wilmington to Charlotte and back, has allowed the Port of Wilmington to grow its container service, since container carriers need access to intermodal rail to move boxes further inland. CCX opened and the Mid-west Express has started shipping boxes to Chicago via the CCX in Rocky Mount.

Ms. Ayers said that in 2021, the Port of Morehead City was awarded a $1.7 million U.S. DOT grant towards a $2.1 million project to replace rail on Radio Island, and, in 2020, the Port of Wilmington was
awarded a grant. Currently, a grant application is in progress to fund a $25 million project for the last of the container yard improvements at the Port of Wilmington to build a dedicated intermodal rail facility to accommodate its growing container rail volume. She added that transportation priorities include a new north gate at Greenfield Street, improving U.S. 74 between Wilmington and Charlotte, South Front Street and Carolina Beach Road widening including a Burnett Boulevard intersection improvement, and the Cape Fear Memorial Bridge replacement project.

Mr. Kozlosky pointed out that there is a resolution for consideration on today’s agenda to support the RAISE, INFRA and PID grant applications to fund the new intermodal facility at the Port of Wilmington.

In response to an inquiry by Mr. Vielkanowitiz regarding the long-range rail realignment project, Ms. Ayers said that Mr. Parsley gives regular updates to the Port. She noted that the improvements to the intermodal yard would be inside the Port terminal in a specific 10-acre area and would not impact the rail realignment. Currently the intermodal area is not dedicated and is mixed in with tenants and truck parking. She explained that container boxes leaving the Port are required by U.S. Customs and Border Protection to go through radiation Portals to check for radiation. She added that the radiation Portal is currently located outside the security gate and would be moved to the dedicated intermodal yard within the 10-acre area.

4) Consent Agenda
   a. Approval of TCC Meeting Minutes- January 12, 2022
   b. Resolution approving 2020-2029 STIP/MPO Administrative Modification #22-1
   c. Opening of the 30-day public comment period for 2020-2029 STIP/MPO Transportation Improvement Program Amendment #22-2

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

Ayes: Stephanie Ayers, Claudia Bray, Helen Bunch, Nick Cannon, Patrick Flanagan, Adrienne Harrington, Paula Kempton, Matt Kirkland, Mike Kozlosky, Vanessa Lacer, Marty Little, Caitlin Marks, Megan Matheny, Robert O’Quinn, Mandy Sanders, Nazia Sarder and Denys Vielkanowitiz. Nays: None.
Absent: Granseur Dick.

5) Regular Agenda
   a. Resolution supporting the North Carolina State Ports Authority Grant Applications for the US DOT FY 22 Rebuilding American Infrastructure with Sustainability and Equity (RAISE), Infrastructure for Rebuilding America (INFRA), and Port Infrastructure Development (PID) grant programs to fund a new Intermodal Terminal Facility at the Port of Wilmington

Mr. Kozlosky noted that this is the item Ms. Ayers discussed in her presentation.

Mr. Vielkanowitiz pointed out an autocorrect error on the second page, second paragraph regarding the PID acronym.

Ms. Lacer made a motion to support the Ports’ grant applications, and to forward the committee’s recommendation to the MPO Board for consideration.
Ms. Matheny seconded the motion, and it carried unanimously by roll call as follows:

**Ayes:** Stephanie Ayers, Claudia Bray, Helen Bunch, Nick Cannon, Patrick Flanagan, Adrienne Harrington, Paula Kempton, Matt Kirkland, Mike Kozlosky, Vanessa Lacer, Marty Little, Caitlin Marks, Megan Matheny, Robert O’Quinn, Mandy Sanders, Nazia Sarder and Denys Vielkanowitz. **Nays:** None.

**Absent:** Granseur Dick.

b. **Resolution Supporting the Allocation of Additional Direct Attributable Funds to the City of Wilmington for the Hooker Road Multi-use Path (U-5534G), Hinton Road Multi-use Path (U-5534H), and Wrightsville Avenue/Greenville Avenue Intersection Improvement (U-5534C) Projects**

Mr. Kozlosky said that the in 2013 and 2014 the City of Wilmington applied to the MPO for the three projects referenced in this resolution. In January of 2022, the city adopted a resolution requesting additional funding for these projects in the amount of $2.4 million and committing the required match of 20% or $600,000 to these projects. He noted that the additional funding would allow the projects, which are in right-of-way acquisition or completing design, to move forward. He noted that the funds would need to come from the current fiscal year and would leave a balance of slightly more than $1.7 million in Direct Attributable (DA) funding.

Additionally, Mr. Kozlosky said that the MPO received a bid for the building at 525 North 4th Street, a project also funded by the DA program, which will need an additional $1.7 to $1.8 million and be a topic for discussion by the MPO Board. He pointed out that if the additional funds are approved, it would deplete the DA account.

Ms. Ayers inquired if any of the other jurisdictions have a need for DA funding. Mr. Kozlosky responded that the MPO Board first needs to give direction on these considerations before it is known how much funding will be available. He noted that Mr. James will give an update on FY23 DA project scoring criteria. He pointed out that these projects have been around for a while and are a priority of the city. He added that staff recommends moving this resolution forward for approval.

In response to an inquiry by Mr. Cannon, Mr. Kozlosky clarified that the current DA funds were deposited into the MPO account in October.

In response to an inquiry by Mr. Vielkanowitz, Mr. Kozlosky confirmed that Project U-5534C, to realign the intersection and install sidewalks, would implement the desired improvements at that location.

Ms. Ayers made a motion to support the allocation of additional DA funds to the city, and to forward the recommendation to the MPO Board for consideration. Mr. Kirkland seconded the motion, and it carried unanimously by roll call as follows:

**Ayes:** Stephanie Ayers, Claudia Bray, Helen Bunch, Nick Cannon, Patrick Flanagan, Adrienne Harrington, Paula Kempton, Matt Kirkland, Mike Kozlosky, Vanessa Lacer, Marty Little, Caitlin Marks, Megan Matheny, Robert O’Quinn, Mandy Sanders, Nazia Sarder and Denys Vielkanowitz. **Nays:** None.

**Absent:** Granseur Dick.

6) **Discussion**

a. **2020-2029 STIP/MPO Transportation Improvement Program Administrative Modifications #22-2**

Mr. Kozlosky said that this item is for informational purposes only and will be brought back for the TCC to consider at the next meeting.
b. **FY 23 Unified Planning Work Program Development**

MPO Senior Accountant Regina Hopkins explained that draft #2 of the UPWP was necessary because the 5303 grant was enhanced by $3.5 million statewide and was allocated for expenditure over two years. She said that the application must reflect the full amount of $194,000 and that it will not increase the funding allocation or the local match. She added that the MPO will budget $143,000 in FY23 and the remainder will be set aside for FY24.

Mr. Kozlosky reiterated that the local match would not be impacted.

Mr. Vielkanowitz inquired about the $98,000 for mapping indicated in the UPWP. Ms. Hopkins responded that it’s for the GIS Analyst’s staff time and an intern to assist with GIS.

c. **Direct Attributable Scoring Criteria**

Mr. Kozlosky said that if the Board approves additional funding for the Hooker/Hinton project, there would be some remaining DA funds in the account. He reiterated that the Board will discuss options for the building project such as removing components of the design or additional funding. He added that any balance would necessitate a discussion on the DA scoring criteria.

Mr. James said this is a continuation of the discussion on the DA scoring criteria. He noted that the current score total is 83 points, with most points focused on congestion and mobility – traditional traffic engineering metrics. Six of the seven applications for the COVID call for projects using a similar methodology were non-automotive projects, and two of the three applications for the prior DA call for projects using the current methodology were non-automotive. Both calls left points on the table, signifying a mismatch of what is being proposed and what is being evaluated by the current methodology. He pointed out that capacity improvement applications are in absence, possibly due to cost, replaced by numerous bicycle and pedestrian, recreational, and transit proposals.

Mr. James said that following the MPO Board discussion last month, staff proposes to increase the total point score to 100. The Board requested to increase the points for safety metrics and incentivize congestion management or capacity improvements with additional points and agreed with staff to add more nuanced metrics to the nonautomotive elements of the application. He added that staff intends to canvas the membership to get a better understanding of potential projects and past project opportunities so that the revised methodology reflects the goals of the Board and the project mix prevalent in the MPO region.

Mr. Kozlosky asked for feedback on anticipated projects and any changes to the criteria. He noted that the training program for the process would be reinstated as well.

In response to an inquiry by Mr. Kirkland, Mr. James clarified that the Board wants to know why there are so many nonautomotive proposals and why are there no proposals for capacity improvements, and staff wants to better evaluate the proposals it receives. He noted that the Board is interested in incentivizing projects that address congestion and improve access and mobility to maintain its degree of incentive in the ranking, while increasing the points for safety.

Mr. James reminded the committee member that he would also reach out to them after today's meeting for feedback.
7) **Updates**
   a. Wilmington Urban Area MPO
   b. Cape Fear Public Transportation Authority
   c. NCDOT Division
   d. NCDOT Transportation Planning Division

Mr. Kozlosky stated that the updates are included in the agenda packet. He noted that he sent an email yesterday regarding Wave Transit’s application for a MOBI award. He encouraged members to vote and added voting is open daily until February 25th.

Ms. Matheny said that Wave’s application is for its tri-county micro-transit initiative, Ride Micro, which is 100% funded by NCDOT for one year. She noted that the Transit Authority has applied for a second year of funding, which is currently under review by NCDOT. She added that an app was launched mid-January for customers to book, pay for and locate transportation.

Mr. Kozlosky said that NCDOT will be undertaking some environmental justice outreach regarding the Independence Boulevard extension from February 22nd through February 25th. He added that NCDOT will hold an event at the Davis Center at Maides Park on February 26th from 12:00 noon to 3:00 p.m.

8) **Announcements**
   a. Wilmington MPO Bike/Pedestrian Committee- February 8th
   b. Go Coast TDM Committee- February 17th
   c. Next TCC meeting- March 16th

9) **Adjournment**

   There being no further business, Ms. Ayers made a motion to adjourn the meeting, seconded by Mr. Kirkland, and meeting was adjourned at 10:52 a.m. by roll call as follows:

   **Ayes:** Stephanie Ayers, Claudia Bray, Helen Bunch, Nick Cannon, Patrick Flanagan, Adrienne Harrington, Paula Kempton, Matt Kirkland, Mike Kozlosky, Vanessa Lacer, Marty Little, Caitlin Marks, Megan Matheny, Robert O’Quinn, Mandy Sanders, Nazia Sarder and Denys Vielkanowitz. **Nays:** None.

   **Absent:** Granseur Dick.

   **THE ABOVE MINUTES ARE NOT A VERBATIM RECORD OF THE PROCEEDINGS.**
   **THE ENTIRE PROCEEDINGS ARE RECORDED DIGITALLY AS PART OF THIS RECORD.**
ADD PROJECT AT THE REQUEST OF THE MPO.

USE PATH FACILITY
WILMINGTON TO THE LOVE GROVE BRIDGE MULTIPLE PATH FROM 3RD STREET IN DOWNTOWN WILMINGTON, WILMINGTON RAIL TRAIL CONSTRUCTION.

Proposed Revisions to 2020-2029 STIP/MPO TIP Programs
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<tr>
<th>STIP ADOPTIONS</th>
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<tr>
<td>PROJECT</td>
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<tr>
<td>REQUEST OF THE RAIL DIVISION</td>
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<tr>
<td>ADD NEW PROJECT FOR PLANNING ONLY AT THE</td>
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<td>IMPROVEMENTS PROGRAM ADMINISTRATION</td>
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<tr>
<td>VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY</td>
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<td>STIP ADDITIONS</td>
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<td>IMPLEMENTATION AND CLOSEOUTS PROGRAM</td>
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<td>VARIOUS, TRAFFIC SEPARATION STUDY</td>
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Proposed Revisions to 2020-2029 STIP/MPO TIP Programs (January 2022)
WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
BOARD

RESOLUTION APPROVING AMENDMENTS #22-1 AND #22-2 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 #22-1 and #22-2; 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 #22-1 and #22-2.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization’s Board on March 30, 2022.

________________________________________
Hank Miller, Vice-Chair

________________________________________
Mike Kozlosky, Secretary
SA 129 (SOUTH 17TH STREET), HOSPITAL PLAZA TO INDEPENDENCE BOULEVARD. CONSTRUCT MULTI-USE PATH.

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<th>BRUNSWICK</th>
<th>WILMINGTON URBAN AREA MPO STP-DA</th>
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<td>Proposed</td>
<td>CLARENDON AVENUE, CONSTRUCT MULTI-USE PATH ALONG CLARENDON AVENUE FROM 4TH STREET TO SR 1573 (DOW ROAD).</td>
<td>WILMINGTON, VULNERABILITY ASSESSMENTS, INSTALLATION OF FLOOD GAUGES, AND FLOOD MONITORING.</td>
<td>WILMINGTON URBAN AREA MPO STP-DA</td>
<td>WILMINGTON URBAN AREA MPO STP-DA</td>
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<tr>
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<td>$1,762,000 (BGDA)</td>
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<td>$3,463,000 (BGDA)</td>
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US 74 EASTERN END OF MONROE BYPASS TO I-140 IN ENGINEERING.

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TO ADHERE TO FEDERAL GRANT SCHEDULE, MODIFY SCHEDULE FROM FY 23 TO FY 22. **DP** REPRESENTS FEDERAL INFRA GRANT FUNDS.
STATEWIDE PROJECT
STIP MODIFICATIONS
VARIOUS, FEDERAL LANDS TRANSPORTATION PROGRAM (FLTP) AND EMERGENCY RELIEF FOR FEDERALLY OWNED ROADS (ERFO). ROAD AND BRIDGE IMPROVEMENTS TO BE CONSTRUCTED ON TRANSPORTATION FACILITIES THAT ARE OWNED BY THE FEDERAL GOVERNMENT THAT PROVIDE ACCESS TO FEDERAL LANDS.
ADD FUNDING IN FY 23, FY 24, AND FY 25 NOT PREVIOUSLY PROGRAMMED AT THE REQUEST OF THE FEDERAL HIGHWAY ADMINISTRATION.

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$32,700,000

STATEWIDE EXEMPT PROJECT CATEGORY

STATEWIDE PROJECT

Proposed Revisions to 2020-2029 STIP/MPO TIP Programs

January 2022
STIP/MPO TIP Modification #22-2

STATEWIDE PROJECT
STIP MODIFICATIONS

THE FEDERAL HIGHWAY ADMINISTRATION PREVIOUSLY PROGRAMMED AT THE REQUEST OF
ADD FUNDING IN FY 23, FY 24, AND FY 25 NOT
TO FEDERAL LANDS,

THE FEDERAL GOVERNMENT THAT PROVIDE ACCESS
TRANSPORTATION FACILITIES THAT ARE OWNED BY
BRIDGE IMPROVEMENTS TO BE CONSTRUCTED ON
FEDERALLY OWNED ROADS (ERFO), ROAD AND
PROGRAM (FLTP) AND EMERGENCY RELIEF FOR
VARIOUS, FEDERAL LANDS TRANSPORTATION
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 #22-2.

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 #22-2.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization’s Board on March 30, 2022.

________________________________
Hank Miller, Vice-Chair

________________________________
Mike Kozlosky, Secretary
Unified Planning Work Program

Fiscal Year 2023

DRAFT
March 30, 2022
## FY 2023 UNIFIED PLANNING WORK PROGRAM
for the
WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

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Introduction

In compliance with Federal law and in the spirit of cooperation, the Wilmington Urban Area conducts a “cooperative, comprehensive, and continuing .....” transportation planning process. This Planning Work Program (PWP) outlines the tasks and associated funding sources dedicated to the Wilmington Urban Area MPO transportation planning process during fiscal year 2023. Depending on the specific funding source, tasks funded through the PWP are eligible for reimbursement of 80-90% of their cost from the Federal Highway Administration and Federal Transit Administration through the North Carolina Department of Transportation.

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

- Statewide Planning and Research Programs (SPR) - These funds are used by NCDOT to conduct work for the Wilmington Urban Area MPO.

- Federal Highway Administration Section 104(f) Funds - These funds are dedicated to the urban area to perform transportation planning. They require a 20% local match.

- Federal Transit Administration Section 5303 Funds - These funds are used for transit planning in the urban area. The Federal Transit Administration provides 80% of these funds, NCDOT 10%, and there is a required 10% local match.

- Surface Transportation Block Grant-Direct Attributable Funds - These funds are dedicated to Transportation Management Areas and these funds can be used to perform transportation planning. They require a 20% local match.

The local match requirements will be shared by all members of the Wilmington Urban Area MPO in direct proportion to population as defined in the Wilmington Urban Area MPO Memorandum of Understanding.
Narrative of PWP Section 104(f) Work Tasks to be Performed in FY 23
(Primary work to be performed by lead planning agency staff except where noted.)

Line-Item Codes:

II-A-1 Traffic Volume Counts - Wilmington MPO staff maintains an ongoing traffic counting program. An annual summary of the urban area traffic counts and accident data will be prepared and uploaded to the WMPO website.

II-A-2 Vehicle Miles of Travel - No tasks foreseen.

II-A-3 Street System Changes - No tasks foreseen.

II-A-4 Traffic - No tasks foreseen.

II-A-5 Transit System Data - No tasks foreseen.

II-A-6 Dwelling Unit, Population, Employment Changes - Will measure land use changes by Transportation Analysis Zone between 2020 Census and travel demand model base year. Staff will provide capacity analysis for proposed developments within the Wilmington Urban Area MPO’s planning area boundary.

II-A-7 Air Travel - No tasks foreseen.

II-A-8 Vehicle Occupancy Rate Counts - No tasks foreseen.

II-A-9 Travel Time Studies - Conduct key travel time studies for travel demand model and development of the Long-Range Transportation Plan.

II-A-10 Mapping - No tasks foreseen.

II-A-11 Central Area Parking Inventory - No tasks foreseen.

II-A-12 Bicycle and Pedestrian Facilities Inventory - No tasks foreseen.

II-B-1 Collection of Base Year Data - No tasks foreseen.

II-B-2 Collection of Network Data - No tasks foreseen.

II-B-3 Travel Model Updates - In concert with the North Carolina Department of Transportation, MPO staff will assist in the development of the 2050 travel demand model.

II-B-4 Travel Surveys - No tasks foreseen.

II-B-5 Forecast of Data to Horizon Year - No tasks foreseen.

II-B-6 Community Goals and Objectives - Monitor public input as it pertains to goals and objectives set forth in the adopted Metropolitan Transportation Plan. Implementation of the
Performance Measures from the Infrastructure Investment and Jobs Act.

II-B-7 Forecast of Future Year Travel Patterns - No tasks foreseen.

II-B-8 Capacity Deficiency Analysis - No tasks foreseen.

II-B-9 Highway Element of Metropolitan Transportation Plan (MTP) - Identification of highway deficiencies, priorities, and proposed highway improvement solutions and strategies. Provide documentation of process and recommendations in the MTP. Implementation of the Performance Measures from the Infrastructure Investment and Jobs Act.

II-B-10 Transit Element of Metropolitan Transportation Plan - Identify public transportation deficiencies, priorities, and proposed transit improvement solutions for inclusion in the update of the MTP. Provide documentation of process and recommendations in the update of the MTP. Implementation of the Performance Measures from the Infrastructure Investment and Jobs Act.

II-B-11 Bicycle and Pedestrian Element of the Metropolitan Transportation Plan - Identify bicycle deficiencies, priorities, and proposed bicycle and pedestrian improvement solutions and strategies. Provide documentation of the process and recommendations in the update of the MTP. Implementation of the Performance Measures from the Infrastructure Investment and Jobs Act.

II-B-12 Airport/Air Travel Element of the Metropolitan Transportation Plan - Identify airport and air service deficiencies, priorities, and proposed airport and air service improvement solutions and strategies. Provide documentation of process and recommendations in the update of the MTP.

II-B-13 Collector Street Element of Metropolitan Transportation Plan - No tasks foreseen.

II-B-14 Rail, Waterway and Other Elements of Metropolitan Transportation Plan - Identify rail and waterway deficiencies, priorities, and proposed rail and waterway improvement solutions and strategies. Provide documentation of process and recommendations in the update of the MTP.

II-B-15 Freight Movement/Mobility Planning - Identification of freight movement deficiencies, priorities, and proposed improvement solutions and strategies. Provide documentation of process and recommendations in the update of the MTP. Implementation of the Performance Measures from the Infrastructure Investment and Jobs Act.

II-B-16 Financial Planning - Develop realistic, best estimates of funding sources available and project cost estimates throughout the forecast years for the MTP. Ensure fiscal constraint in the update of the MTP. Implementation of the Performance Measures from the Infrastructure Investment and Jobs Act.

II-B-17 Congestion Management Strategies - Develop strategies to address and manage congestion by increasing transportation system supply, reducing demand by application of alternative mode solutions, and transportation system management strategies. Evaluate

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

III-A Planning Work Program - Evaluation of FY 2023 PWP and development of FY 2024 PWP.

III-B Transportation Improvement Program - Review and amend the 2020-2029 Transportation Improvement Program on an as needed basis. Assist in the development of the 2023-2032 Transportation Improvement Program.

III-C-1 Title VI Compliance - Work to ensure compliance with the requirements of Title VI in urban area policies and practices.

III-C-2 Environmental Justice - Analysis and outreach to ensure that transportation plans and projects comply with Environmental Justice policies.

III-C-3 MBE Planning - Activities to encourage participation of minority-owned business enterprises in contractual and supply opportunities.

III-C-4 Planning for the Elderly and Disabled - Ensure the special needs of the elderly and disabled are addressed in all transportation planning projects.

III-C-5 Safety/Drug Control Planning - No tasks foreseen.

III-C-6 Public Involvement - Extensive Public Participation effort will be carried out to solicit input and gauge public input for planning studies the within the Wilmington Urban Area MPO’s planning area boundary. Outreach will be used in the development of the MTP 2050 Plan.

III-C-7 Private Sector Participation - Activities to encourage private sector participation in planning and project activities.

III-D-1 Transportation Enhancement Planning - No tasks foreseen.

III-D-2 Environmental and Pre-TIP Planning - Conduct environmental analysis and planning for the development of transportation projects in the Wilmington Urban Area.

III-D-3 Special Studies - Time utilized by Planning Staff to manage two STBG-DA funded Special Studies performed by contracted consultants. Outside consultants will be contracted to assist in the Pender County Bike Ped Plan and MTP Development. Consultants have not yet been selected to perform these tasks.

- Pender County Bike Ped Plan:
  The purpose of the proposed Bicycle and Pedestrian plan is to develop recommendations for bicycle and pedestrian infrastructure and policies in southern Pender County. The plan will guide Pender County staff, the WMPO, and NCDOT in future development requirements and investment in effort to improve the lives of Pender County residents and visitors. The public benefits of bicycle and pedestrian
infrastructure include providing increased safety on roadways; reducing traffic congestion by providing mode choice; improving connectivity to existing bicycle routes in the planning area such as the East Coast Greenway; and promoting healthy and active living.

- **2050 MTP Outreach:**
  This special study will provide monetary resources to assist WMPO staff in public outreach activities for the development of the 2050 Metropolitan Transportation Plan. Public participation is crucial for the successful development and adoption of planning documents. In order to achieve this participation, outreach efforts beyond basic advertisements will likely be necessary. Examples include ads on social media, TV advertisements, etc.

**III-D-4 Regional or Statewide Planning** - Coordination of urban area activities with statewide and regional initiatives.

**III-E Management and Operations** - Required ongoing administrative and operational tasksto support MPO committees and reporting requirements. The TDM Program is funded by STBG-DA and 5303 funds and included as a task under Management and Operations.

- **TDM Program:**
  To resume Transportation Demand Management efforts, the TDM Program will move forward using STBG-DA and 5303 funding and will continue to be performed by inhouse staff. The TDM Program has been successful in promoting the Commuter Friendly Employer Program, Bike Month, the River to Sea Bike Ride, and the Commuter Challenge. This program works with local employers to promote alternative modes of transportation and TDM strategies such as carpooling, vanpooling, telecommuting, and personalized commuter plans. The program has completed two successful “Be A Looker” campaigns, maintains a dedicated Go Coast website, and promotes the carpool matching platform Share the Ride NC. In 2021, the update to the short-range TDM plan “Cape Fear Change in Motion 2020” was adopted by the Board. This plan will guide TDM efforts in our region through 2025. Go Coast will continue to pursue the implementation of a Bike Share program(s) in the region and regularly update TDM related resources like area bike maps and model policies.
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<td>Transit System Data</td>
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<td>Collect and analyze data for route planning and submission to NTD</td>
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<td>Accurate data from multiple data collection devices onboard Wave Transit vehicles and other sources to ensure compliance with National Transit Database requirements</td>
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<td>Community Goals &amp; Objectives</td>
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<td><strong>Task Objective</strong></td>
<td>Interpret and communicate with members of the Authority and WMPO TCC and TAC adopted planning documents defining community goals and objectives</td>
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<td>Service offerings that are compliant with adopted plans that outlined the goals of the community for public transportation in the region</td>
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<td>Communication of goals and objectives to decision makers and the public</td>
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<td>Transit Element of the LRTP</td>
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<td>Task Objective</td>
<td>Provide input to CAC, TCC and TAC regarding long range transit plans for the region</td>
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<td>Tangible Product Expected</td>
<td>Informed decisions regarding long range public transportation plans leading to a realistic planning document for the region</td>
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<td>Provided input and educated decision makers regarding the federal and state public transportation program</td>
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<td>Title</td>
<td>Financial Planning</td>
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<td>Task Objective</td>
<td>Plan capital and operating cost estimates to ensure fiscal compliance and maintain the adopted level of transit service</td>
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<td>Short range financial plans based on current federal and state legislation to ensure that transit services are provided in a consistent manner utilizing the most economical and efficient methods</td>
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<td>Financial planning of the public transportation program</td>
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<td>Title</td>
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<td>Task Objective</td>
<td>Interpret and prepare Title VI documents and monitor Title VI efforts to ensure compliance with FTA approved Title VI program</td>
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<td>Compliance with the Title VI circular and adopted Title VI program</td>
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<td>Title</td>
<td>Minority Business Enterprise</td>
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<td>Task Objective</td>
<td>Implement and monitor the MBE program to be compliant with adopted MBE program, update MBE goals as required, and undertake MBE outreach</td>
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<td>Title</td>
<td>Public Involvement</td>
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<td>Task Objective</td>
<td>Hear and analyze public comment from monthly meetings of the Authority, email comments, written comments and other comments outlined in the Authority Public Involvement Program. Work with public to update LCP, LRTP, SRTP and other planning documents.</td>
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<td>Make recommendations to appropriate parties from comments made to the Authority by members of the community</td>
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<td>This is a collaborative effort of the Wilmington MPO and the Cape Fear Public Transportation Authority (Wave Transit)</td>
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<tr>
<td>Responsible Agency</td>
<td>CFPTA</td>
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<tr>
<td>SPR - Highway - NCDOT 20%</td>
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<td>SPR - Highway - F11WA 80%</td>
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<tr>
<td>Section 104 (f) PL, Local 20%</td>
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<td>Section 5307 Transit - FTA 80%</td>
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<td>Additional Funds - Local 100%</td>
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<tr>
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<td>Wilmington</td>
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<tr>
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<tr>
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<td>III-E</td>
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<tr>
<td><strong>Title</strong></td>
<td>Management &amp; Operations</td>
</tr>
<tr>
<td><strong>Task Objective</strong></td>
<td>MPO and CFPTA staff will conduct required administrative and operational tasks to support Wave Transit. Periodical reviews of administrative agreements and procedures. Staff will perform daily operations to disseminate planning information to the TAC/TCC committee members, the public and/or other agencies.</td>
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<tr>
<td><strong>Tangible Product Expected</strong></td>
<td>Compliance with FTA and NCDOT requirements, well informed community and elected officials about the public transit program, and functional system that meets the needs of the community</td>
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<td><strong>Expected Completion Date of Products</strong></td>
<td>June 2024</td>
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<tr>
<td><strong>Previous Work</strong></td>
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<td><strong>SPR - Highway - F11WA 80%</strong></td>
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<tr>
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**Task Objective**

MPO and CFPTA staff will conduct required administrative and operational tasks to support Wave Transit. Periodical reviews of administrative agreements and procedures. Staff will perform daily operations to disseminate planning information to the TAC/TCC committee members, the public and/or other agencies. The MPO will implement Cape Fear Change in Motion 2020.

**Tangible Product Expected**

Compliance with FTA and NCDOT requirements, well informed community and elected officials about the public transit program, and functional system that meets the needs of the community. Implementation of strategies and of Cape Fear Change in Motion 2020.

**Expected Completion Date of Products**

June 2024

2 Year Contract

**Previous Work**

Collection of data and submission to NTD

**Relationship**

This is a collaborative effort of the Wilmington MPO and the Cape Fear Public Transportation Authority (Wave Transit)

**Responsible Agency**

CFPTA / WMPO

**SPR - Highway - NCDOT 20%**

**SPR - Highway - F11WA 80%**

**Section 104 (f) PL, Local 20%**

**Section 104 (f) PL, FHWA 80%**

**Section 5303 Local 10%**

**Section 5303 NCDOT 10%**

**Section 5303 FTA 80%**

**Section 5307 Transit - Local 10%**

**Section 5307 Transit - NCDOT10%**

**Section 5307 Transit - FTA 80%**

**Additional Funds - Local 100%**
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<tr>
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**Project Work**

- Project 1: 100%
- Project 2: 100%

**Work**

- Work 1: 100%
- Work 2: 100%

**Total**

- Total 1: 100%
- Total 2: 100%

---

**Transportation**

- Miles: 2,200
- Employees: 1,000

**System**

- Parking: 22,000
- Area: 98,173

**Element**

- Study: 1,000
- Planning: 4,800
- Requirements: 19,200

**Element of the LRTP**

- Community: 1,000
- Environmental: 2,000
- Minority: 800
- Elderly: 100

---

**Future Analysis**

- Sector: 100
- Sector: 200
- Sector: 300

---

**Oral Request**

- Transportation: 56,141
- Traffic: 194,559

---

**Summary**

- Surplus: 8,000
- Total: 17,000
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<tr>
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Supplemental Information:

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

Name of MPO: Wilmington Urban Area MPO

STBG-DA Funded - Anticipated DBE Contracting Opportunities for FY 2023
RESOLUTION APPROVING THE FY 2023 UNIFIED PLANNING WORK PROGRAM
FOR THE WILMINGTON URBAN AREA METROPOLITAN PLANNING
ORGANIZATION

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

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

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

WHEREAS, members of the Wilmington Urban Area Metropolitan Planning Organization Board agree that the Planning Work Program will effectively advance transportation planning for State Fiscal Year 2022-2023.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby endorses the FY 2022-2023 Planning Work Program for the Wilmington Urban Area.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization’s Board on March 30, 2022.

***************
I, Hank Miller, Vice-Chair of the Board of the Wilmington Urban Area Metropolitan Planning Organization do hereby certify that the above is a true and correct copy of an excerpt from the minutes of a meeting of the Board, duly held on this the 30th day of March, 2022.

Hank Miller, Vice-Chair

***************Subscribed and sworn to me this ___day of______________, 2022.

_______________________________________
Notary Public

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

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

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

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

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

WHEREAS, the Metropolitan Transportation Plan has a planning horizon year of 2045, and meets all the requirements for an adequate Metropolitan Transportation Plan.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby certifies the transportation planning process for the Wilmington Metropolitan Planning Organization on this the 30th day of March 2022.

______________________________
Hank Miller, Vice-Chair

______________________________
Mike Kozlosky, Secretary
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 North Carolina Department of Public Safety has released the transportation grants through the Emergency Management Transportation Infrastructure Resiliency Fund which was allocated as a part of the 2021 state budget; and

WHEREAS, eligible applicants are state agencies, units of local government, and nonprofit corporations to facilitate transportation resilience against natural disasters; and

WHEREAS, total available funding for this grant program is $15 million with the anticipated number of grants available between five (5) and thirty (30); and

WHEREAS, projects can be 100% funded with no cost share and are paid on a reimbursement basis.; and

WHEREAS, the City of Wilmington has identified an interest in applying to the Transportation Infrastructure Resiliency Fund grant for funding to install equipment that allows traffic signals to operate on back-up power during power failures; and

WHEREAS, the request would also include a support vehicle, generators, traffic control devices, and other project related equipment and supplies that will minimize the disruption of traffic flow in and around the city during post storm recovery.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby supports the City of Wilmington’s application for the North Carolina Emergency Management’s Transportation Infrastructure Resiliency Fund Grant.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization’s Board on March 30, 2022.

_________________________________
Hank Miller, Vice-Chair

_________________________________
Mike Kozlosky, Secretary
WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
BOARD

RESOLUTION SUPPORTING PENDER COUNTY’S APPLICATION FOR THE NORTH CAROLINA EMERGENCY MANAGEMENT’S TRANSPORTATION INFRASTRUCTURE RESILIENCY FUND GRANT

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 North Carolina Department of Public Safety has released the transportation grants through the Emergency Management Transportation Infrastructure Resiliency Fund which was allocated as a part of the 2021 state budget; and

WHEREAS, eligible applicants are state agencies, units of local government, and nonprofit corporations to facilitate transportation resilience against natural disasters; and

WHEREAS, total available funding for this grant program is $15 million with the anticipated number of grants available between five (5) and thirty (30); and

WHEREAS, projects can be 100% funded with no cost share and are paid on a reimbursement basis; and

WHEREAS, Pender County has identified an interest in pursuing the Transportation Infrastructure Resiliency Fund Grant in order to complete a Risk Assessment of the Highway 210 corridor between Highway 117 and US 17; and

WHEREAS, this section of NC 210 is identified as a Hurricane Evacuation Route but historically has flooded significantly during Hurricane events.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby supports Pender County’s application for the North Carolina Emergency Management’s Transportation Infrastructure Resiliency Fund Grant.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization’s Board on March 30, 2022.

_________________________________
Hank Miller, Vice-Chair

_________________________________
Mike Kozlosky, Secretary
2021 - 2022 Unified Planning Work Program Amendment # 3 – PL 104
March 30, 2022

II-A-2  Vehicle Miles of Travel:
Based on anticipated expenditures, the line item decreased by $250

II-A-4  Traffic Accidents:
Based on anticipated expenditures, the line item decreased by $250

II-A-5  Transit System Data:
Based on anticipated expenditures, the line item decreased by $500

II-A-6  Dwelling Unit, Pop. & Emp. Change:
Based on anticipated expenditures, the line item decreased by $1,538

II-A-9  Travel Time Studies:
Based on anticipated expenditures, the line item decreased by $250

II-A-12 Bike & Ped. Facilities Inventory:
Based on anticipated expenditures, the line item decreased by $2,168

II-B-3  Travel Model Updates:
Based on anticipated expenditures, the line item decreased by $9,000

II-B-6  Community Goals & Objectives:
Based on anticipated expenditures, the line item decreased by $5,924

II-B-8  Capacity Deficiency Analysis:
Based on anticipated expenditures, the line item decreased by $1,000

II-B-9  Highway Element of the LRTP:
Based on anticipated expenditures, the line item decreased by $15,205

II-B-10 Transit Element of the LRTP:
Based on anticipated expenditures, the line item increased by $2,055
II-B-11 Bicycle & Ped. Element of the LRTP:
Based on anticipated expenditures, the line item increased by $1,000

II-B-12 Airport/Air Travel Element of LRTP:
Based on anticipated expenditures, the line item decreased by $4,931

II-B-13 Collector Street Element of LRTP:
Based on anticipated expenditures, the line item decreased by $2,000

II-B-14 Rail, Water or other mode of LRTP:
Based on anticipated expenditures, the line item decreased by $2,156

II-B-15 Freight Movement/Mobility Planning:
Based on anticipated expenditures, the line item decreased by $2,156

II-B-16 Financial Planning:
Based on anticipated expenditures, the line item decreased by $675

II-B-17 Congestion Management Strategies:
Based on anticipated expenditures, the line item decreased by $8,976

III-A Planning Work Program:
Based on anticipated expenditures, the line item decreased by $1,039

III-B Transportation Improvement Program:
Based on anticipated expenditures, the line item decreased by $2,839

III-C-1 Title VI:
Based on anticipated expenditures, the line item decreased by $500

III-C-3 Minority Business Enterprise:
Based on anticipated expenditures, the line item decreased by $500

III-C-4 Planning for the Elderly & Disabled:
Based on anticipated expenditures, the line item decreased by $250

III-C-6 Public Involvement:
Based on anticipated expenditures, the line item decreased by $3,865

III-C-7 Private Sector Participation:
Based on anticipated expenditures, the line item decreased by $520

III-D-2 Enviro. Analysis & Pre-TIP Plng.:
Based on anticipated expenditures, the line item decreased by $362
III-D-3 Special Studies: Staff Time - Planning:
Based on anticipated expenditures, the line item increased by $4,327

III-D-4 Regional or Statewide Planning:
Based on anticipated expenditures, the line item decreased by $1,837

III-E Management & Operations:
Based on anticipated expenditures, the line item increased by $61,309

2021 - 2022 Unified Planning Work Program Amendment # 3 – STBG-DA
March 30, 2022

II-A-10 Mapping:
Based on anticipated expenditures, the line item decreased by $35,000

III-D-3 Special Studies: Staff Time - Pender Co. Roadway Safety Audit:
Based on anticipated expenditures, the line item decreased by $20,000
Due to Pender County staff changes and other planning priorities, Pender County staff have withdrawn the request for this study at this time.

III-E Management & Operations:
Based on anticipated expenditures, the line item increased by $55,000

2021 - 2022 Unified Planning Work Program Amendment # 3 – 5303
March 30, 2022

II-A-5 Transit System Data:
Based on anticipated expenditures, the line item increased by $10,100

II-B-6 Community Goals & Objectives:
Based on anticipated expenditures, the line item increased by $950

II-B-10 Transit Element of the LRTP:
Based on anticipated expenditures, the line item increased by $500

II-B-16 Financial Planning:
Based on anticipated expenditures, the line item increased by $1,350
III-C-1  Title VI:
Based on anticipated expenditures, the line item decreased by $7,000

III-C-3  Minority Business Enterprise:
Based on anticipated expenditures, the line item decreased by $7,300

III-C-6  Public Involvement:
Based on anticipated expenditures, the line item decreased by $7,000

III-E  Management & Operations:
Based on anticipated expenditures, the line item increased by $8,400

2021 - 2022 Unified Planning Work Program Amendment # 3 – 5304
March 30, 2022

III-D-3  Special Studies: Consultant – WAVE Zero Emissions Vehicles Transition Study
Based on anticipated expenditures, the line item increased by $100,000

The Federal Transit Administration and other primary funding agencies have directed transit agencies nationwide to transition their fleets to Low or No Emissions, with funding priority given to Zero Emissions Vehicles (ZEV). In 2020, North Carolina’s governor signed the Multi-State Medium and Heavy-Duty ZEV Memorandum of Understanding, committing to electrifying buses in the state. CFPTA/Wave Transit has a total of 68 vehicles, of which only 30 are CNG low emission vehicles. Eight transit agencies and two airport shuttle services have already begun electrifying their fleet in North Carolina, which ranks 7th in the nation for transit electrification. The study, supported by and coordinated with, the North Carolina Department of Transportation will facilitate 1) the creation of a Zero-Emission Fleet Transition Plan, and 2) the engineering and design for infrastructure for charging stations. The Transition Plan is a requirement by FTA to apply for grant funds supporting any ZEV projects, including vehicles and all related infrastructure. Transportation accounts for 29% of U.S. greenhouse gas emissions. Planning for the electrification of the fleet will help position CFPTA to purchase or lease electric vehicles that help reduce pollutants and combat negative climate change. The implementation of the vehicles over time would help improve the area’s air quality index, as well as noise pollution, creating a sustainable city and region for its residents and visitors.
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RESOLUTION APPROVING AMENDMENT #3 TO THE FISCAL YEAR 2022 UNIFIED PLANNING WORK PROGRAM

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 Fiscal Year (FY) 2022 Unified Planning Work Program documenting the continuing, cooperative, and comprehensive transportation planning program in the Wilmington Urban Area was adopted by the Wilmington Urban Area Metropolitan Planning Organization’s Board on March 31, 2021; and

WHEREAS, the need for amendments to the FY 2022 Unified Planning Work Program has been evaluated and justified in order to effectively advance transportation planning for FY 2022; and

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization can amend the FY 2022 Unified Planning Work Program to cover any anticipated expenditures for the fiscal year; and

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization proposes amendments to the FY 2022 Unified Planning Work Program to reflect current and anticipated expenditures.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby approves Amendment #3 to the FY 2022 Unified Planning Work Program.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization’s Board on March 30, 2022.

_________________________________
Hank Miller, Vice-Chair

_________________________________
Mike Kozlosky, Secretary
<table>
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<th>Statewide Project</th>
<th>Stip Modifications</th>
<th>NCDOT, 5339 Small Urban Planning Fundings in FY 22 at the Request of MPO</th>
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*TC-0020 - Statewide Project*
# Proposed Revisions to 2020-2029 STIP/MPO TIP Programs

**STIP MODIFICATIONS**

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<th>Category</th>
<th>Project Description</th>
<th>Proposed</th>
<th>Revisions</th>
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<td>WILMINGTON URBAN AREA METROPOLITAN ORGANIZATION</td>
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**US 74 (EASTWOOD ROAD), SR 1409 (MILITARY CUTOFF ROAD) INTERSECTION IN WILMINGTON**

*Convert at-grade intersection to an interchange.*

**Funding**

- **Right-of-Way**
  - **FY 2023** (NHP): $5,666,000
  - **FY 2024** (NHP): $11,333,000
  - **FY 2025** (NHP): $5,666,000

- **Utilities**
  - **FY 2023** (BGDA): $56,577,000

- **Construction**
  - **FY 2025** (NHP): $38,500
  - **FY 2026** (NHP): $12,551,000
  - **FY 2027** (NHP): $13,171,000
  - **FY 2028** (NHP): $9,268,000
  - **FY 2029** (NHP): $3,125,000

**TO MATCH SCHEDULE PROVIDED BY THE MUNICIPALITY, DELAY CONSTRUCTION FROM FY 22 TO FY 23.**

- **Construction**
  - **FY 2023** (BGDA): $627,000
  - **FY 2023** (L): $157,000

**WILMINGTON, TRAFFIC SIGNAL PRE-EMPTION FOR EMERGENCY VEHICLES PROJECT.**

**TO MATCH SCHEDULE PROVIDED BY THE MUNICIPALITY**

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<td>2025</td>
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**UTILITY**

- **FY 2023** (NHP): $56,577,000

**CONSTRUCTION**

- **FY 2025** (NHP): $38,500
  - **FY 2026** (NHP): $12,551,000
  - **FY 2027** (NHP): $13,171,000
  - **FY 2028** (NHP): $9,268,000
  - **FY 2029** (NHP): $3,125,000

**NEW HANOVER U-5710 DIVISION**

- **STIP/MPO TIP Modification #22.3 (February 2022)**

- **STIP/MPO TIP Modification #22.3**

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

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION**

**STIP MODIFICATIONS**

- ADD RIGHT-OF-WAY IN FY 22 AND CONSTRUCTION IN FY 2022 - $280,000 (HSIP)
- ADD RIGHT-OF-WAY AT VARIOUS LOCATIONS, SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS, RIGHT-OF-WAY IN FY 22 AND CONSTRUCTION IN FY 2022 - $280,000 (HSIP)

**PROJ.CATEGORY**

- W-5703SW
- BRUNSWICK
- NEW HANOVER
- ONSTOW
- CUMBRIA
- PENDER
- DUPLIN
- NEW HANOVER
- W-5703SW

**STATEWIDE**

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

The Wilmington Urban Area MPO encourage the North Carolina Department of Transportation, North Carolina General Assembly, and Governor of North Carolina to explore and implement new funding mechanisms that could raise the funds necessary to accelerate much needed transportation projects.

Transportation Project Priorities
Due to NCDOT cash management issues many projects across the state and in our region were delayed in the STIP/MPO TIP. As a result of in increases in right of way and construction costs, the 2020-2029 State Transportation Improvement Program approximately $12B over-programmed. The Wilmington Urban Area MPO supports the acceleration of the MPO’s top priorities for projects currently funded in the draft 2023-2032 State/MPO Transportation Improvement Programs. The Board’s transportation priorities are as follows:

- Hampstead Bypass (R-3300)
- Military Cutoff Road/Eastwood Road Interchange (U-5710)
- Independence Boulevard Extension (U-4434)
- Martin Luther King Jr. Parkway/Kerr Avenue Interchange (U-3338C)
- Martin Luther King Jr. Parkway/Market Street/Eastwood Road Interchange (U-4902C)

The MPO Board also identified the replacement of the Cape Fear Memorial Bridge as their highest unfunded priority.

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

Limitation on City Requirements for Street Improvements Related to Schools
SL 2017-57 included language related to street improvements for schools. The Wilmington Urban Area MPO is concerned that on non-state-maintained facilities where improvements related to schools are needed, the funding burden has fallen on the municipalities or the level of service on the roadways will be compromised. The Wilmington Urban Area MPO encourages the General Assembly to review this language and seek solutions to address this funding concern.

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

**Electric Scooter Legislation**
The Wilmington Urban Area MPO supports the use of electric scooters to provide an alternative mode of transportation so long as the scooters are used in a safe and responsible manner, do not create visual clutter, and do not block parking or ADA accessibility. The allowance and/or use of electric scooters should be subject to local government control through their adopted codes and ordinances.
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 18, 2021. The WMPO Board adopted the updated plan on November 17, 2021.

Project Status and Next Steps:

• Launch of public interactive story map of plan recommendations in spring 2022

KURE BEACH BIYCLE AND PEDESTRIAN PLAN
Project Description/Scope: The Town of Kure Beach, Alta, and the WMPO kicked off development of a bicycle and pedestrian plan for the Town of Kure Beach in September 2021. The plan is intended to aid the Town in the development and prioritization of its bicycle and pedestrian infrastructure needs. A kick-off meeting to discuss the Town’s existing bicycle and pedestrian infrastructure and develop a timeline and strategy for public engagement was held in mid-October. A 3-day charrette activity was held November 30th through December 2nd. The charrette included two public meetings and stakeholder interviews. Approximately 150 members of the public attended the two public meetings, with an additional 436 responses providing input through the online interactive map tool. Alta completed an initial draft of the final plan and released to the Steering Committee for initial review in late February 2022.

Project Status and Next Steps:

• Release of draft plan for 30-day public review and comment period late winter/spring 2022
• Presentation of final plan to Kure Beach Town Council in spring 2022
• Presentation of final plan to WMPO Board in spring 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 serve as an update to 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 updated 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 will incorporate public input received via a public survey and both in-person and virtual public meetings.

**Project Status and Next Steps:**
- Public engagement survey launched the week of January 24th (open through mid-March)
- In-person Public Meeting planned for Wednesday, March 9th
- Virtual Public Meeting planned for Thursday, March 10th
- Development of draft plan (including implementation plan) in spring 2022
- Presentation to Navassa Town Council in late spring/early summer 2022
- Presentation to WMPO Board in late spring/early summer 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: 2 reviews
- New Hanover Concept Reviews: 0 review
- Town of Leland Development Plan Reviews: reviews
- Town of Leland Formal Reviews: 7 reviews
- Town of Leland Informal Reviews: 2 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: 42 total active (34 under review; 2 approved; 6 new):
  - New Hanover County  11 (2 new, 9 under review, 0 approved), City of Wilmington 10, (2 new, 8 under review), Carolina Beach 1, (1 approved), Town of Belville 0, Town of Leland 9, (new, 8 under review, 1 approved), Town of Navassa 0, Pender County  9 (1 new, 8 under review, and Brunswick County 2, (1 new, 1 under review)
- Pender County Development Plan Formal Reviews: 6 reviews
- Pender County Informal Plan Reviews: 2 reviews
- Pender County Concept Reviews: 0 reviews
- City of Wilmington Formal Reviews: 39 reviews (10 new, 29 on-going)
- City of Wilmington Informal Reviews: 17 reviews (6 new, 11 on-going)
- City of Wilmington Concept Reviews: 0 reviews
- COW Project Releases 6

**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:**
- 90% design review completed in November 2021
- Requested Right-of-Way Authorization in January 2022
- Begin Right-of-Way Acquisition – May 2022
- Advertise for Bid – December 2022
- Begin Construction – May 2023
- Construction Complete- January 2024

**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 is complete; Town issued Notice of Acceptance
- FHWA established Final Voucher Date as of 11/8/2021; Town will retain records for a minimum of three years
- Warranty Period will expire on November 8, 2022
- Town Staff is working with NCDOT to close out project and submit final construction reimbursement
- 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:**
- Begin Right-of-Way Acquisition – May 2022
- Advertise for Bid – December 2022
- Begin Construction – May 2023
- Construction Complete- January 2024

**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 review completed in November 2021
- Requested Right-of-Way Authorization in January 2022
- Begin Right-of-Way Acquisition – May 2022
- Advertise for Bid –December 2022
- Begin Construction –May 2023
- Construction Complete- January 2024
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 review completed in November 2021
• Requested Right-of-Way Authorization in January 2022
• Begin Right-of-Way Acquisition – May 2022
• Advertise for Bid – December 2022
• Begin Construction – May 2023
• Construction Complete – January 2024

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
• Project on hold pending resolution of contracting issues with the consultant
• 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
• Project on hold pending resolution of contracting issues with the consultant
• 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
• Project on hold pending resolution of contracting issues with the consultant
• 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:**
- Received ROW Certification on October 22, 2021
- AECOM completed 100% Plans, Specs, and Estimate on November 3, 2021
- City sent 100% PS&E to NCDOT for review on November 8, 2021
- City sent City/NCDOT Comments on Plans and Estimate to AECOM on November 29, 2021
- NCDOT sent comments on Specs and Estimate to AECOM on January 18
- AECOM submitted revised 100% Plans, Specs, Estimate (PS&E) to City/NCDOT for final review January 21, 2022
- Resubmit 100% PS&E to NCDOT for Construction Authorization January 31, 2022
- Final Approval on PS&E from NCDOT February 28, 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
- 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 20, 2020
- 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:**
- Bids opened on January 27, 2022 and the WMPO is reviewing the submitted bids

**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 September 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 20, 2020
• 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:
• Responded to DOT comments on 75% plans on November 16, 2021
• ROW acquisition continuing

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:
• 100% Final Plans uploaded to NCDOT EBS on February 8, 2022.
• Awaiting NCDOT review/approval.

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
   a. the WMPO Board approved the release of a new Request For Proposal to bring a bike share program to the Wilmington area
   b. The RFP has been written and will be released by the City of Wilmington on behalf of the WMPO before the end of March 2022

2. Bicycle Suitability Map Update
   b. The Bicycle and Pedestrian Advisory Committee has approved a final draft with of the Wilmington Area Bike Suitability Map
   c. Staff is working to develop to finalize the format of this map for print and online use

3. Commute Friendly NC
   a. Go Coast has been working with state TDM partners to develop the “Commute Friendly North Carolina” program which designates organizations as “commuter friendly” if they offer commuter benefits/resources to employees and affiliates
   b. This program has been launched and can be found online at https://commutefriendlync.com/
   c. This program recognizes organizations on a state level for their efforts to provide commuter benefits and provides organizations an opportunity to directly connect with Go Coast

4. Telecommuting and Alternative Work Schedule Model Policy
   a. The Go Coast committee has approved a model policy to guide area employers on how best to implement telework and alternative work schedule policies for employees

5. River to Sea Bike Ride
   a. Planning is underway for the 32nd Annual River to Sea Bike Ride
   b. Saturday May 7th

6. Bike Month
   a. Planning is underway for Go Coast Bike Month

7. The next Go Coast meeting is May 19, 2022
1. Service Enhancements Scheduled for July 2022

On Tuesday February 8, 2022, the Wave Transit Board of Directors voted unanimously to adopt a proposal to expand the existing network, as well as investing in more frequent service! In November 2021, a recommendation was presented for consideration with adoption of a finalized draft slated for January 2022. The regularly scheduled January 27th meeting was recessed to February 8th to continue discussion on the network redesign, following the announcement from Federal Transportation Administration (FTA) on an additional $108 billion authorized for public transportation under the Bipartisan Infrastructure Law. The new law will increase Wave Transit’s federal formula funding by approximately $700,000 each year in over the next five years. Provided this added information, the Board of Directors voted to advance a revised framework which would result in increased frequencies on 30% of the fixed routes, enlarge Wave Transit’s service footprint, and improve efficiencies. The draft proposal is as follows:

- Retain current urban core network with peripheral improvements
- Replace Routes 207 North and 301 Pleasure Island with an on-demand microtransit service delivery model, which is responsive and serves a much larger geographic area
- Introduce 30-minute service frequencies on three routes, including Route 108 Market Street, Route 201 Carolina Beach Road, and Route 205 Long Leaf Park
- Offer 60-minute continuous, uninterrupted frequencies for Route 107 College Rd. for better consistency
- Revise Route 104 East offering transit service on Market Street east of College Rd. for the first time, and shifting coverage of Gordon Road and North College Road to the flexible microtransit service
- Interline Route 107 College Rd. and Route 201 Carolina Beach Rd. at Monkey Junction, reducing transfers resulting in better customer service
- Implement a seasonal trolley schedule, reallocating resources to the most productive hours

The service enhancements will take effect at the beginning of July. Customers and members of the public have an opportunity to provide comment through a general survey offering. Responses can be submitted online at https://www.wavetransit.com or in-person at Forden and Padgett Stations. Additional information regarding the service improvements included under the draft framework can be obtained through the Authority’s website, at the two main transfer stations, 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.
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 County. Service to Zone 3 Southern New Hanover/Pleasure Island was implemented December 1, 2021. Service to the fourth and final zone, Zone 4 Northern New Hanover County will go live April 2022. The three active zones contain a combined total of over 3,270 virtual stop locations. Please consult the following link to view virtual stops within each active zone: https://arcg.is/1KvyOS.

The full technology suite for the RideMICRO program and weekday service hours expanded to 7:00 am to 10:00 am and 12:00 to 7:30 pm on Monday, January 17, 2022. Customers are now able to book trips, pay fares, plan routes, identify the closest virtual stop, and track their vehicle in real time through the RideMICRO app. A multimodal trip planning feature was incorporated into the app on March 13, 2022, offering seamless planning across all Wave Transit transportation services. Wave Transit staff challenges you to RideMICRO!

From program inception through February 28, 2022, there have been a total of 515 passenger trips, with increasing productivity since the implementation of services.

NCDOT’s ConCPT and community grants fully funded the service at 100%. This is a 12-month pilot project, with options to extend pending availability of grant funds. The FY2023 application for a second year of support was submitted and final approval by NCDOT is currently pending.

3. Update on Section 5310 Community Grant Offering
The Authority received responses from three community organization in response to the publication of the FY2023 Section 5310 Community Grant offering. The respondents include, Elderhaus Adult Daycare Services, New Hanover County Senior Resource Center (SRC), and Town of Navassa. Elderhaus and the SRC are recipients of the current, FY2022 community grant awards and have demonstrated need for continued support for next fiscal year.

The WaveConnect Advisory Group that oversees the community grant process will convene in March 2022 to review and score the applications and draft a recommendation for award. The recommendation will be presented to the WMPO and Authority’s Board of Directors for consideration and approval April 2022.
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<td>WMPO</td>
<td>Lydia</td>
<td><a href="mailto:lydiam@ncdot.gov">lydiam@ncdot.gov</a></td>
<td>910-341-2001</td>
</tr>
<tr>
<td>Replace Bridge 208 over Sturgeon Creek on SR 1472 (Village Road) in Brunswick County</td>
<td>Raleigh</td>
<td>17BP.3.R.93</td>
<td>Brunswick</td>
<td>WMPO</td>
<td>Derek Pielech</td>
<td><a href="mailto:derekp@ncdot.gov">derekp@ncdot.gov</a></td>
<td>910-341-2001</td>
</tr>
<tr>
<td>Pender 14 on NC 133 over Turkey Creek</td>
<td>Raleigh</td>
<td>B-5653</td>
<td>Pender</td>
<td>WMPO</td>
<td>Derek Pielech</td>
<td><a href="mailto:derekp@ncdot.gov">derekp@ncdot.gov</a></td>
<td>910-341-2001</td>
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<td>I-140 from US 421 to I-40 pavement and bridge rehab</td>
<td>Raleigh</td>
<td>I-6037</td>
<td>New Hanover</td>
<td>WMPO</td>
<td>Lydia</td>
<td><a href="mailto:lydiam@ncdot.gov">lydiam@ncdot.gov</a></td>
<td>910-341-2001</td>
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<td>US 74 (Eastwood Rd) at US 17 (Military Cutoff Rd)</td>
<td>Raleigh</td>
<td>U-5731</td>
<td>New Hanover</td>
<td>WMPO</td>
<td>Brian Harding</td>
<td><a href="mailto:bharding@ncdot.gov">bharding@ncdot.gov</a></td>
<td>910-341-2001</td>
</tr>
<tr>
<td>US 17 (Military Cutoff Rd) at US 421</td>
<td>Raleigh</td>
<td>U-5729</td>
<td>New Hanover</td>
<td>WMPO</td>
<td>Brian Harding</td>
<td><a href="mailto:bharding@ncdot.gov">bharding@ncdot.gov</a></td>
<td>910-341-2001</td>
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<tr>
<td>US 17 from SR 1582 (Washington Acres Rd) to Vista Lane</td>
<td>Raleigh</td>
<td>U-5732</td>
<td>Pender</td>
<td>WMPO</td>
<td>Trace Howell</td>
<td><a href="mailto:thrhowell@ncdot.gov">thrhowell@ncdot.gov</a></td>
<td>910-341-2001</td>
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<tr>
<td>US 421 Carolina Beach Rd Median with intersection improvement at Shipyard and US 421</td>
<td>Raleigh</td>
<td>U-5730</td>
<td>New Hanover</td>
<td>WMPO</td>
<td>Brian Harding</td>
<td><a href="mailto:bharding@ncdot.gov">bharding@ncdot.gov</a></td>
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<tr>
<td>US 74 at US 17/US 421 Flyover</td>
<td>Raleigh</td>
<td>U-5702B</td>
<td>New Hanover</td>
<td>WMPO</td>
<td>Trace Howell</td>
<td><a href="mailto:thrhowell@ncdot.gov">thrhowell@ncdot.gov</a></td>
<td>910-341-2001</td>
</tr>
<tr>
<td>US 421 - Railroad to MLK</td>
<td>Raleigh</td>
<td>U-5700</td>
<td>New Hanover</td>
<td>WMPO</td>
<td>Trace Howell</td>
<td><a href="mailto:thrhowell@ncdot.gov">thrhowell@ncdot.gov</a></td>
<td>910-341-2001</td>
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<td>US 17 (Military Cutoff Rd) at US 421</td>
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<td>New Hanover</td>
<td>WMPO</td>
<td>Trace Howell</td>
<td><a href="mailto:thrhowell@ncdot.gov">thrhowell@ncdot.gov</a></td>
<td>910-341-2001</td>
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Projects in Development
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<tr>
<th>Contract Number</th>
<th>Resident</th>
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<th>County</th>
<th>Description</th>
<th>Estimated Completion</th>
<th>Percent Complete</th>
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<tbody>
<tr>
<td>DC00316</td>
<td>Alex Stewart</td>
<td>W-5601DH</td>
<td>New Hanover</td>
<td>3rd and Dock St</td>
<td>9/13/22</td>
<td>8.04%</td>
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<tr>
<td>DC00249</td>
<td>Alex Stewart</td>
<td>B-4590</td>
<td>New Hanover</td>
<td>Bridge 29 over Smith Creek</td>
<td>Oct-23</td>
<td>20.50%</td>
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<tr>
<td>DC00309</td>
<td>Daniel Jones</td>
<td>49404</td>
<td>New Hanover</td>
<td>ILM Landscape Improvement - Available August 1</td>
<td>Dec-22</td>
<td>88.58%</td>
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<tr>
<td>DC00300</td>
<td>Daniel Jones</td>
<td>R-2633BA(L)</td>
<td>Brunswick</td>
<td>Navassa Landscape Enhancement</td>
<td>Dec-22</td>
<td>97.67%</td>
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<tr>
<td>C203980</td>
<td>Alex Stewart</td>
<td>U-4751</td>
<td>Brunswick</td>
<td>Military Cutoff Rd Extension from Market St to the Wilmington Bypass</td>
<td>Mar-23</td>
<td>68.15%</td>
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<tr>
<td>C204331</td>
<td>Alex Stewart</td>
<td>15BPR.19</td>
<td>New Hanover</td>
<td>Banks Channel (R2) US 70 (Bridge Repairs) with an intersection at the bypass</td>
<td>Sep-23</td>
<td>54.51%</td>
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<tr>
<td>C204319</td>
<td>Alex Stewart</td>
<td>U-4902D</td>
<td>New Hanover</td>
<td>Superstreet median on Market St (US 17) from Marsh Oaks Dr to</td>
<td>Sep-23</td>
<td>TBD</td>
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<tr>
<td>C204553</td>
<td>Daniel Waugh</td>
<td>R-3300B</td>
<td>Pender</td>
<td>NC 47 -一套 (Hampstead Bridge) from south of NC 210 to north of I-156</td>
<td>May-27</td>
<td>TBD</td>
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<tr>
<td>C204629</td>
<td>Alex Stewart</td>
<td>B-5642</td>
<td>Brunswick</td>
<td>Replace Bridge 65 on NC 67 over Hood Creek</td>
<td>Mar-32</td>
<td>TBD</td>
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<tr>
<td>C204301</td>
<td>Alex Stewart</td>
<td>15BPR.26</td>
<td>New Hanover</td>
<td>Cape Fear (#48, I-140) Shear Strengthen</td>
<td>Sep-30</td>
<td>TBD</td>
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<td>C204623</td>
<td>Alex Stewart</td>
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<td>TBD</td>
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<td>C204331</td>
<td>Alex Stewart</td>
<td>15BPR.19</td>
<td>New Hanover</td>
<td>Banks Channel (R2) US 70 (Bridge Repairs) with an intersection at the bypass</td>
<td>Sep-23</td>
<td>TBD</td>
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Projects under construction
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<thead>
<tr>
<th>Contract Number</th>
<th>Contract Year</th>
<th>County</th>
<th>Estimated Completion Routes</th>
<th>Percent Complete</th>
<th>Estimated Completion Date</th>
<th>Map or Dashboards Link</th>
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<tbody>
<tr>
<td>DC00311</td>
<td>2022</td>
<td>New Hanover</td>
<td>Market Street, 3rd Street, Independence Blvd, and patching on 16th &amp; 17th Streets</td>
<td>0.00%</td>
<td>Sep-23</td>
<td><a href="https://ncdot.maps.arcgis.com/apps/dashboards/d967e1f18d1c41aca2f260fb630a4c64">Link</a></td>
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<tr>
<td>DC00318</td>
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<tr>
<td>C204409</td>
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<td>Brunswick</td>
<td>1 SECTION OF US-17, US-74/76, AND NC-130, AND 11 SECTIONS OF SECONDARY ROADS</td>
<td>15.76%</td>
<td>Oct-22</td>
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<tr>
<td>DC00304</td>
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<td>DC00302</td>
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<td>DC00294</td>
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Interactive Resurfacing Map can be found here: [Link](https://ncdot.maps.arcgis.com/apps/dashboards/d967e1f18d1c41aca2f260fb630a4c64)
March 2022

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

MARCH TPD UPDATES WILMINGTON MPO

MARCH 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 just went through Peer Review, Management Review and Steering Committee Review. The comments will be reviewed and incorporated in the following weeks. The TPD engineers are also starting to set up public involvement sessions – both in person and virtual.

Wilmington Model: The 2050 Travel Demand Model work started on 3/1/2022. The TDM is being developed for the next Wilmington MTP. The 2045 Travel Demand Model and 2045 Wilmington MPO MTP was adopted on 11/18/2020 by the Wilmington MPO Board.

N.C. Governor’s Highway Safety Program Grant Applications: The North Carolina Governor’s Highway Safety Program (NCGHSP) will soon be accepting grant applications for communities planning traffic safety programs. The grants will be for federal fiscal 2023, which is from Oct. 1, 2022 - Sept. 30, 2023.


Helpful Links:
Click on links below to learn more:
- NCDOT home page—[ncdot.gov](http://ncdot.gov)
- Real-Time Traffic—[DriveNC.gov | North Carolina Traffic & Travel Information](https://drivenc.gov)
- Report a pothole—[NCDOT Contact Us Form](https://www.ncdot.gov/contact)
- NCDOT: State Transportation Improvement Program—[ncdot.gov/sti](http://ncdot.gov/sti)
· Links to all traffic count data information—Traffic Survey Group (ncdot.gov)
· NCDOT Interactive Traffic Volume Map—Interactive Traffic Volume map (ncdot.gov)
· 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)