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: November 6, 2020
SUBJECT: November 12th meeting

A meeting of the Wilmington Urban Area MPO’s Technical Coordinating Committee will be held on
Thursday, November 12, 2020 at 10 am. Due to COVID-19, the meeting is being conducted remotely.
PLEASE NOTE: This will be a remote meeting conducted pursuant to Section 4.31 of S.L. 2020-3, SB
704.

The remote meeting will be simultaneously streamed live online so that simultaneous live audio, and
video, if any, of the meeting is available to the public at the
following: https://zoom.us/j/93801271024?pwd=SXk5bjJSelhNNHdRbUM3eVBDSUJHQT09

The public may also dial in and listen to the simultaneous live audio of the remote meeting at the following
dial in numbers: 646 558 8656 or 301 715 8592 and entering the following credentials:
Meeting ID: 938 0127 1024
Password: 928986

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

The following is the agenda for the meeting:

1) Call to Order
2) Approval of the Agenda
3) Presentation
4) Consent Agenda
   a. Approval of TCC Meeting Minutes- September 16, 2020
   b. Resolution adopting the 2021 Meeting Calendar
   c. Resolution authorizing the Chairman to enter into an agreement between the City
      of Wilmington, Wilmington Urban Area Metropolitan Planning Organization and
      Cape Fear Public Transportation Authority for the FY 21 Section 5303 Funding
   d. Resolution approving the 2020-2029 STIP/MPO TIP Amendment #20-4
   e. Resolution approving the 2020-2029 STIP/MPO Transportation Improvement
      Program Administrative Modifications #20-6
Opening of the 30-day Public Comment Period for 2020-2029 STIP/MPO TIP Amendment #20-5

5) Regular Agenda
   a. Resolution adopting Cape Fear Moving Forward 2045 and the 2045 Wilmington Regional Travel Demand Model
   b. Resolution adopting the Wilmington Rail Trail Master Plan

6) Discussion
   a. 2020-2029 STIP/MPO Transportation Improvement Program Administrative Modifications #20-7
   b. FY 22 Budget Discussions

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

8) Announcements
   a. Bike/Pedestrian Committee Meeting- December 8, 2020

9) Next meeting- January 13, 2021

Attachments:
- TCC Meeting Minutes-September 16, 2020
- Proposed 2021 Meeting Calendar
- Resolution adopting the 2021 Meeting Calendar
- Proposed Agreement between the City of Wilmington, Wilmington Urban Area Metropolitan Planning Organization and Cape Fear Public Transportation Authority for the FY 21 Section 5303 Funding
- Resolution authorizing the Chairman to enter into an agreement between the City of Wilmington, Wilmington Urban Area Metropolitan Planning Organization and Cape Fear Public Transportation Authority for the FY 21 Section 5303 Funding
- Proposed 2020-2029 STIP/MPO TIP Amendment #20-4
- Resolution approving the 2020-2029 STIP/MPO TIP Amendment #20-4
- Proposed 2020-2029 STIP/MPO Transportation Improvement Program Administrative Modifications #20-6
- Resolution approving the 2020-2029 STIP/MPO Transportation Improvement Program Administrative Modifications #20-6
- Proposed 2020-2029 STIP/MPO TIP Amendment #20-5
- Cape Fear Moving Forward 2045: https://www.wmpo.org/cape-fear-moving-forward-2045-draft-plan/
- Resolution adopting Cape Fear Moving Forward 2045 and the 2045 Wilmington Regional Travel Demand Model
- Wilmington Rail Trail Master Plan: https://www.wmpo.org/wilmington-rail-trail/
- Resolution adopting the Wilmington Rail Trail Master Plan
- Proposed 2020-2029 STIP/MPO Transportation Improvement Program Administrative Modifications #20-7
- FY 22 Budget Memorandum
- Wilmington Urban Area MPO Project Update (November)
- Cape Fear Public Transportation Authority Update (November)
- NCDOT Division Project Update (November)
- NCDOT Transportation Planning Division Project Update (November)
Wilmington Urban Area MPO
Technical Coordinating Committee
Wednesday, September 16, 2020
Meeting Minutes

Members Present
Mike Kozlosky, Chair, MPO Executive Director
Rebekah Roth, New Hanover County Planning Department
Nick Cannon, Transportation Demand Management (TDM)/Go Coast Program
Ed Parvin, Town of Carolina Beach
Robert O’Quinn, Wrightsville Beach
Stephanie Ayers, NC State Ports Authority
Ashli Barefoot, Town of Leland
Barnes Sutton, Town of Navassa
Helen Bunch, Brunswick County
Sam Shore, Pender County Planning Department
Patrick Flanagan, Cape Fear Council of Governments
Caitlin Marks, Division of Highways, NCDOT
Nazia Sarder, Transportation Planning Branch, NCDOT
Vanessa Lacer, Cape Fear Public Transportation Authority

1) Call to Order
Mr. Kozlosky called the remote meeting to order at 10:00 a.m., and took a rollcall of members pursuant to Section 4.31 of Senate Bill 704 (Session Law 2020-3), as follows:

Present: Mike Kozlosky, Rebekah Roth, Nick Cannon, Robert O’Quinn, Stephanie Ayers, Helen Bunch, Sam Shore, Patrick Flanagan, Caitlin Marks, Nazia Sarder, and Vanessa Lacer. Absent: Denys Vielkanowitz, Jerry Haire, Mandy Sanders, Granseur Dick, Athina Williams, Ashli Barefoot, and Barnes Sutton.

2) Approval of the Agenda
Ms. Bunch made a motion to approve the agenda as presented. Ms. Ayers seconded the motion and it carried unanimously by rollcall as follows:

Ayes: Mike Kozlosky, Rebekah Roth, Nick Cannon, Robert O’Quinn, Stephanie Ayers, Barnes Sutton, Helen Bunch, Sam Shore, Patrick Flanagan, Caitlin Marks, Nazia Sarder, and Vanessa Lacer. Nays: None. Absent: Denys Vielkanowitz, Jerry Haire, Mandy Sanders, Granseur Dick, Athina Williams, and Ashli Barefoot.

3) Presentations
a. STIP/MPO TIP Reprogramming - Leigh Wing, P.E., NCDOT
Ms. Leigh Wing, NCDOT Eastern STIP Regional Manager, gave an overview of STIP/MPO TIP reprogramming. She stated that the State Transportation Improvement Program (STIP) is a planning document listing capital projects that the state (NCDOT) expects to deliver over the next 10 years. Additionally, the STIP includes estimated budget, project costs and schedules. She reviewed factors impacting the STIP budget (storm response, legal settlements, project cost increases pre-COVID, and depletion of revenues as a result of COVID restrictions). She noted that House Bill (HB) 77 enacted this summer helped stabilize financing for active construction projects. However, it moved funds from the Highway Trust Fund to the Highway Fund, which negatively impacts the STIP. The total impact to revenues is estimated at $2 billion over the next 10 years, in addition to $3 billion in project cost increases (primarily P3.0 and P4.0 projects and right-of-way) since September 2019.
Ms. Wing stated that this summer NCDOT reprogrammed the STIP across 22 STI funding buckets, to meet the federal requirements of proving the STIP is fiscally constrained and has realistic schedules. She noted that with the budget adjustments reflecting the loss of revenues and increases in costs, a majority of the STI buckets are overprogrammed by more than 50% in the first five years. She added that Region B is overprogrammed by 122% or $310 million, which does not factor in a 15% average allowance.

Ms. Wing stated that according to HB77, $700 million in the fiscal year 2023 BUILD NC bond sale is expected for active construction projects, freeing up money for other projects. She noted that the GARVEE bond projects must be updated as well. Also, reprogramming parameters include delivery of USDOT grant commitments (INFRA, BUILD, CRISI, etc.). She added that the result is a starting point with adjustments to be made as a zero-sum outcome within the Division. Although a committed project may be moved outside a committed window, rescoring will not be necessary unless cost increases exceed a certain threshold.

Ms. Wing stated that the schedules presume the BUILD NC bond sale this fall (2020). She noted that the FAST Act will expire at the end of the federal fiscal year on September 30, 2020. She expressed the hope for a continuance. Although, additional cost increases are expected, and the full effects of the COVID-19 pandemic are unknown.

Mr. Kozlosky stated that this will have a significant impact on projects, a few of which include the following (the others are in the agenda packet):

<table>
<thead>
<tr>
<th>Project</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Independence Blvd Extension</td>
<td>2025</td>
<td>2028</td>
</tr>
<tr>
<td>Hampstead Bypass B Section</td>
<td>2021</td>
<td>2023</td>
</tr>
<tr>
<td>Hampstead Bypass A Section</td>
<td>2021</td>
<td>2026</td>
</tr>
<tr>
<td>Castle Hayne Road Widening</td>
<td>2024</td>
<td>2030</td>
</tr>
<tr>
<td>Interchange Kerr/MLK</td>
<td>2023</td>
<td>2030</td>
</tr>
<tr>
<td>Military Cutoff/Eastwood</td>
<td>2024</td>
<td>2027</td>
</tr>
<tr>
<td>Market Street</td>
<td>2024</td>
<td>2029</td>
</tr>
<tr>
<td>South Front Street</td>
<td>2027</td>
<td>2030</td>
</tr>
</tbody>
</table>

Mr. Kozlosky expressed concerns regarding the $600 million cost increase of Independence Boulevard Project in Charlotte and the implications in a zero-sum game.

Mr. Van Argabright, NCDOT Division of Planning & Programming, responded that cost increases have been factored into the presentation to the Board, and that several variables are involved with any changes to the schedule, which will be a zero-sum game within each area, unless the MPO can negotiate with other MPOs.

In response to an inquiry by Mr. Flanagan, Mr. Argabright stated that the Sticker Committee, which applies to P5.0 only, has not met before, since there was not much support for it previously. Ray McIntyre, Assistant Director NCDOT STIP, Feasibility Studies, and Strategic Prioritization (SPOT), pointed out that most of cost increases have been with P3.0 and P4.0 projects.

Mr. Kozlosky stated that the changes discussed can be found in the agenda packet under Item 4D of the Consent Agenda and Item 6A of the Discussion section.

Mr. Zachary Bugg gave a presentation on the 2020 Congestion Management Process (CMP). He said the project kicked off in January with a travel time and hotspot analysis to support the MPO’s biennial report for the CMP, which wrapped up in May. He noted that the last report was completed in 2018 and, as with previous reports, relied on manual travel time runs. He explained that Kittleson used vehicle probe data from the NPMRDS (National Performance Management Research Data Set) for a larger dataset with day of week and seasonal variability.

Mr. Bugg said that the data for the 2020 report was collected from September 15, 2019 through November 15, 2019. Additionally, data for 2017 through 2018 was obtained for multi-year trends. He gave some details on the probe data from NPMRDS, and the study corridors.

Mr. Bugg stated that College Road, 3rd Street, Gordon Road and Market Street experiences significant corridor delays during the morning peak hour. In the afternoon, the delays were greater and included those from the morning peak, except Market Street, and included Oleander Drive, Dawson Street/Wooster Street, Independence Boulevard and Kerr Avenue as well. He noted that only corridors with NPMRDS data were studied.

Mr. Bugg stated that none of the MPO corridors in the morning peak hour exceeded the federal recommended thresholds. However, the reliability of 3rd Street, between Carolina Beach Road and Dawson/Wooster Streets, exceeded the 1.30 target during the evening peak hour. He commented that hot spots generally matched expectations, and that MPOs can set reliability goals independent of the Federal Highway Administration (FHWA).

Mr. Bugg stated that the 2020 Biennial Data Report would be completed in June of 2020, NCDOT SPOT 6.0 Projects were submitted by July 2020, and the NCDOT draft 2023-2032 STIP should be released in 2022. He added that data will be monitored next year (2021) for inclusion in the 2022 Data Report.

4) **Consent Agenda**

a. **Approval of TCC Meeting Minutes- July 15, 2020**

b. **Resolution supporting amendments to the Wilmington Urban Area MPO’s Public Participation Plan for Remote Meetings**

c. **Resolution approving 2020-2029 STIP/MPO Transportation Improvement Program Administrative Modification #20-5**

d. **Opening of the 30-day public comment period for 2020-2029 STIP/MPO TIP Amendment #20-4**

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

**Ayes:** Mike Kozlosky, Rebekah Roth, Robert O’Quinn, Stephanie Ayers, Ashli Barefoot, Barnes Sutton, Helen Bunch, Sam Shore, Patrick Flanagan, Caitlin Marks, Nazia Sarder, and Vanessa Lacer. **Nays:** None. **Absent:** Nick Cannon, Denys Vielkanowitz, Jerry Haire, Mandy Sanders, Granseur Dick, and Athina Williams.
5) **Regular Agenda**

a. **Resolution supporting the North Carolina Department of Transportation’s master plan vision for Corridor U along U.S. 74 from N.C. 87 (Maco Road NE) in Brunswick County to U.S. 117 in New Hanover County**

Nastasha Earle-Young, Project Manager for the Strategic Transportation Corridors, NCDOT-Transportation Planning Division, provided an overview of data collection, corridor analysis, preliminary corridor vision and stakeholder involvement for the Corridor U/U.S. 74 study, which began in 2018. She commented that the final plan will be ready by this winter.

Ms. Earle-Young stated that documents regarding the 284-mile corridor, which is federally designated as a truck corridor, are available at the following URL:


She added that Corridor U includes 304 bridges, with six considered structurally deficient and 91 functionally obsolete. She noted that the study also considered transportation plans and recommended projects (70 from the STIP) along the corridor from the past 10 years. She summarized that most planning documents recommended that the corridor be classified as a freeway with some segments in developed/urban areas with future by-passes as boulevards. Although the study considered that the corridor deviate to US-17 at the I-140 Bypass, it was changed to remain on U.S. 74 after further discussion with MPO staff.

Ms. Earle-Young stated that the public survey from April 6, 2020 to June 6, 2020, which was advertised via email, the website and newsletters, had about 638 participants. Full survey results can be viewed at the following URL:


For U.S.74 over the next 20 years, many respondents chose bypasses around cities and towns (274), higher speed limits (206) and fewer traffic signals (203). From Monroe to Wilmington, 91.3% agreed with the preliminary vision of the corridor as a freeway.

Ms. Earle-Young stated that the recommended vision for the corridor is an interstate, beginning at I-26 in Polk County, continuing along U.S. 74 until Castilla, from I-85 to I-485, U.S. 74 in Monroe, and continuing to U.S. 117 in Wilmington. She noted that the statewide and regional models found an average increase of 21 mph. She added that the Delco area, military and transit connections, and a resiliency assessment would require additional study.

Mr. Flanagan inquired about the timeline for the resiliency assessments, and MPO and RPO involvement. Ms. Earle-Young responded that the next corridor has not been selected yet. She noted that representatives for the steering committee will be sought. She added that resiliency input will be gathered from NC State, and that the consultants are AECOM and Cambridge Systematics.

Ms. Bunch made a motion to approve support for NCDOT’s master plan for Corridor U and to forward it to the MPO Board for consideration. Mr. Shore seconded the motion, and it carried unanimously by rollcall as follows:

b. **Resolution encouraging the North Carolina Department of Transportation, North Carolina General Assembly, and Governor of North Carolina to explore new funding mechanisms that could raise funds to accelerate much needed transportation projects**
MPO Executive Director Mike Kozlosky stated that the MPO Board requested this resolution to address the delay in projects. The Board desires to encourage the Department to consider alternative funding sources for the purpose of restoring or accelerating project schedules.

Ms. Bunch made a motion to encourage the state to seek new funding mechanisms. Mr. Flanagan seconded the motion. He pointed out a typographical error in the resolution. Mr. Kozlosky stated that the error would be corrected and called the question. The motion carried unanimously by rollcall as follows:


6) **Discussion**
   a. **2020-2029 STIP/MPO Transportation Improvement Program Administrative Modifications #20-6**
      Mr. Kozlosky stated that this item is for information purposes only. He noted that the modifications are the result of NCDOT’s reprogramming efforts, and that NCDOT will be encouraged to evaluate the projects in an effort to advance the Board’s priorities.

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

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

8) **Announcements**
   a. **Bike/Pedestrian Committee Meeting - October 13th**
   b. **Next TCC meeting - November 12th**
   c. **Additional Announcement: Commuter Challenge, October 16th-30th**
      Mr. Cannon stated that this year the Commuter Challenge will take place during the second two full weeks of October and will be tracked entirely with the Share the Ride NC application. He noted that in previous years to track participation, participants used Microsoft Excel, Strava, or a third-party application that was contracted for a short-term. He speculated that telework would be a popular choice this year.
9) **Adjournment**

There being no further business, the meeting was adjourned at 11:04 a.m. by rollcall as follows:

**Ayes:** Mike Kozlosky, Rebekah Roth, Nick Cannon, Ed Parvin, Robert O’Quinn, Stephanie Ayers, Ashli Barefoot, Barnes Sutton, Helen Bunch, Sam Shore, Patrick Flanagan, Caitlin Marks, Nazia Sarder, and Vanessa Lacer. **Nays:** None. **Absent:** Denys Vielkanowitz, Mandy Sanders, Granseur Dick, and Athina Williams.

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

TO: TCC/Board members
FROM: Mike Kozlosky, Executive Director
DATE: November 5, 2020
SUBJECT: Wilmington Urban Area MPO Proposed 2021 Meeting Schedule

<table>
<thead>
<tr>
<th>Technical Coordinating Committee</th>
<th>Board</th>
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<tbody>
<tr>
<td>January 13</td>
<td>January 27</td>
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<tr>
<td>February 10</td>
<td>February 24</td>
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<td>October 13</td>
<td>October 27</td>
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<tr>
<td>November 4*</td>
<td>November 17</td>
</tr>
<tr>
<td>December –no meeting scheduled</td>
<td>December –no meeting scheduled</td>
</tr>
</tbody>
</table>

- Thursday due to conflict with Cape Fear RPO Meeting

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

The Board meetings will begin at 3 pm on the date of the meetings.
RESOLUTION ADOPTING THE 2021 WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION MEETING CALENDAR

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

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization’s Board adopts the meeting calendar on an annual basis.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby adopts the 2021 meeting calendar.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization’s Board on November 18, 2020.

_________________________________
David Piepmeyer, Chair

_________________________________
Mike Kozlosky, Secretary
STATE OF NORTH CAROLINA  
COUNTY OF NEW HANOVER  

FY 2020-2021 PUBLIC TRANSPORTATION PLANNING SECTION 5303 GRANT AGREEMENT FOR THE WILMINGTON URBANIZED AREA  

THIS AGREEMENT made and entered into this ___ day of _____________, 2020 by and between the City of Wilmington, the Wilmington Urban Area Metropolitan Planning Organization, a metropolitan planning organization and the Cape Fear Public Transportation Authority d/b/a “Wave Transit”, a North Carolina public transportation authority.  

WITNESSETH  

WHEREAS, by joint resolution the City of Wilmington and New Hanover County established the “Cape Fear Public Transportation Authority” (hereinafter referred to as “Wave”) to provide public transportation services within the area designated as the Wilmington Urbanized Area (hereinafter referred to as “UZA”), effective July 1, 2004, in recognition of the fact that some traffic and transportation concerns of each entity are the same without regard for any jurisdictional boundary; and  

WHEREAS, pursuant to, and in compliance with, 23 C.F.R. § 450.306, the Wilmington Urban Area Metropolitan Planning Organization (hereinafter referred to as “MPO”) was designated as the policy body for cooperative transportation decision making in the UZA; and  

WHEREAS, the City of Wilmington serves as the Lead Planning Agency for the MPO; and  

WHEREAS, on November 18, 2015, the MPO, which includes the City of Wilmington,
New Hanover County, North Carolina Department of Transportation, and other urban area jurisdictions adopted the “Cape Fear Transportation 2040” which affects the UZA; and

WHEREAS, Wave is the provider of public transportation services in the UZA; and

WHEREAS, on June 22, 2005, the Secretary of Transportation for the State of North Carolina, with authority vested by the Governor of the State of North Carolina, and in accordance with Title 49 of the United States Code § 5307(a)(2) and the Transportation Equity Act for the 21st Century, declared Wave to be a designated recipient of Federal Urbanized Area Formula Program funds for the UZA; and

WHEREAS, the MPO is the recipient of Federal Transit Administration 49 U.S.C. § 5303 transit planning funds for the UZA; and

WHEREAS, the Federal Transit Administration, pursuant to 49 U.S.C. § 5303, provides 80% of transportation planning funds for the UZA, the North Carolina Department of Transportation provides 10%, and the required 10% local match is shared by the members of the MPO in accordance with the Memorandum of Understanding for Cooperative, Comprehensive, and Continuing Transportation Planning, dated June 30, 2016; and

WHEREAS, 23 C.F.R. § 450.314 requires an agreement between Wave and the MPO specifying cooperative procedures for carrying out transportation planning and programming.

NOW THEREFORE, in consideration of the mutually beneficial covenants of agreement between the parties hereinafter expressed in enumerated terms, the adequacy and sufficiency of which of hereby acknowledged by each as valuable consideration the City of Wilmington on behalf of the Metropolitan Planning Organization and Wave agree as follows:
1. **Cooperation.** The MPO and Wave shall cooperate in long range planning for the provision of public transportation services in the UZA, including the Metropolitan Planning Organization Transportation Improvement Program (hereinafter referred to as “MPO TIP”). Such cooperation includes, but is not limited to, estimating funds needed for the services recommended in the MPO TIP as adopted by the MPO. MPO TIP is in accordance with the State Transportation Improvement Program, and is periodically amended as the State Transportation Improvement Program is updated.

2. **Planning.** Wave shall be afforded the opportunity for meaningful participation in the public transportation planning and decision making process. The parties shall insure that projects in the public transportation service portion of the MPO TIP are included in the planning process.

3. **Tasks.** Wave agrees and covenants to dutifully and properly perform the program tasks assigned to them as evidenced by the line item allocation shown on the MPO’s budget which is known as the Unified Planning Work Program.

4. **Funding.** The MPO will pay to Wave seventy percent (70%) of its allocation of 49 U.S.C. § 5303 planning funds for the term of this agreement. No funds paid under this Agreement shall be paid from the City of Wilmington’s funds, except those held for the MPO. No funds paid under this agreement shall exceed $65,350.

5. **Duration.** This Agreement shall commence on the date of its full execution by all parties and continue for one year or as long as Federal and State funding for public transportation planning are provided for the UZA if such funding is for less than one year.

6. **Termination.** This Agreement shall terminate as a result of the loss of Federal
and/or State funding for public transportation services for the UZA. Additionally, any party may terminate this Agreement upon written notice to the other party which specifies an effective date of termination. The effective date of said “Notice of Termination” shall be no earlier than thirty (30) days prior to the date the notice is sent.

7. **Governing Law.** All of the terms and conditions contained herein shall be interpreted in accordance with the laws of the State of North Carolina without regard to any conflicts of law principles and subject to the exclusive jurisdiction of federal or state courts within the State of North Carolina. In the event of a conflict between the various terms and conditions contained herein or between these terms and other applicable provisions, then the more particular shall prevail over the general and the more stringent or higher standard shall prevail over the less stringent or lower standard.

8. **Entire Agreement, Amendments.** This Agreement constitutes the entire contract between the parties, and no warranties, inducements, considerations, promises or other inferences shall be implied or impressed upon this agreement that are not set forth herein. This Agreement shall not be altered or amended except in writing signed by all Parties.

**IN WITNESS WHEREOF,** the due execution in agreement by parties hereto as evidenced by the hereafter affixed signatures.

(This space is left intentionally blank)
CITY OF WILMINGTON

ATTEST:

___________________________
Bill Saffo, Mayor

___________________________
Penelope Spicer-Sidbury, City Clerk [SEAL]

Approved as to form:

___________________________
John Joye, City Attorney

STATE OF NORTH CAROLINA
COUNTY OF NEW HANOVER

I, __________________________________, a Notary Public of _______________ County, North Carolina, certify that Penelope Spicer-Sidbury personally came before me this day and acknowledged that she is City Clerk of the City of Wilmington, and that by authority duly given and as the act of the Council, the foregoing instrument was signed in its name by its Mayor, sealed with its corporate seal and attested by herself as its City Clerk.

WITNESS my hand and official seal, this _____ day of ________________, 2020.

____________________________________________________________________
Notary Public

My commission expires: ____________

CERTIFICATION

This instrument has been preaudited in the manner required by The Local Government Budget and Fiscal Control Act.

This ___ day of _________________, 20__.

___________________________________
Jennifer Maready, City Finance Officer

Project Account: 1TRMP21 -RESTRICTED-CONTRACTL -OTHPROFSVC
Org: 21075120    Obj: 531060  Project: 1TRMP21  Amount: $Not to Exceed 65,350.00
Requisition Number: 21002378  Federal ID Number: 56-6000239
WILMINGTON URBAN AREA METRO
PLANNING ORGANIZATION,
by and through its Board

By: ________________________________
    Honorable David Piepmeyer, Chair

Attest: ______________________________
    Secretary Mike Kozlosky

STATE OF NORTH CAROLINA
COUNTY OF NEW HANOVER

I, ________________________________, a Notary Public of _______________ County, North Carolina, certify that Mike Kozlosky came before me this day and acknowledged that he is the Secretary of the Board of the Wilmington Urban Area Metropolitan Planning Organization, and that by authority duly given and as the act of the Organization, the foregoing instrument was signed in its name by its Chairman and attested by himself as its Secretary.

WITNESS my hand and official seal, this ___ day of ____________, 2020.

______________________________ (Seal)
Notary Public
My commission expires: ____________.
CAPE FEAR PUBLIC TRANSPORTATION
AUTHORITY d/b/a/ Wave Transit

By: ________________________________
   Chairman

Attest: ________________________________
   Secretary

STATE OF NORTH CAROLINA
COUNTY OF NEW HANOVER

I, ____________________________, a Notary Public of _____________ County, North Carolina, certify that ______________________ personally came before me this day and acknowledged that s/he is the Secretary of the Cape Fear Public Transportation Authority d/b/a Wave Transit, and that by authority duly given and as the act of the Authority, the foregoing instrument was signed in its name by its Chairman, sealed with its seal and attested by herself as its Secretary.

Witness my hand and official seal, this the ____ day of ______________, 2020.

_________________________________ (Seal)
Notary Public
My Commission Expires: ____________.
RESOLUTION AUTHORIZING THE CHAIRMAN TO ENTER INTO AN AGREEMENT WITH
THE CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY AND CITY OF WILMINGTON
FOR THE WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION TO
PROVIDE FY 20-21 SECTION 5303 FUNDING TO THE CAPE FEAR PUBLIC TRANSPORTATION
AUTHORITY FOR PUBLIC TRANSPORTATION PLANNING ACTIVITIES

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, in accordance with 23 CFR § 450.306, the Wilmington Urban Area Metropolitan Planning Organization was designated as the policy body for cooperative transportation decision making in the Wilmington Urbanized Area (UZA); and

WHEREAS, the City of Wilmington and New Hanover County effective July 1, 2004 established the Cape Fear Public Transportation Authority to provide public transportation services within the UZA; and

WHEREAS, the Cape Fear Public Transportation Authority is the provider of public transportation services within the UZA; and

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization is the recipient of Federal Transit Authority 49 CFR § 5303 transit planning funds for the UZA; and

WHEREAS, the City of Wilmington serves as the Lead Planning Agency for the Wilmington Urban Area Metropolitan Planning Organization; and

WHEREAS, 23 CFR § 4510.314 requires an agreement between the Cape Fear Public Transportation Authority and the Wilmington Urban Area Metropolitan Planning Organization specifying cooperative procedures for carrying out transportation planning and programming.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby authorizes the Chairman to enter into an agreement for FY 20-21 with the Cape Fear Public Transportation Authority and City of Wilmington for the Wilmington Urban Area Metropolitan Planning Organization to provide Section 5303 funding in an amount not to exceed $65,350 to the Cape Fear Public Transportation Authority to complete public transportation planning activities within the MPO’s Urbanized Area boundary.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization’s Board on November 18, 2020.

_________________________
David Piepmeyer, Chair

_________________________
Mike Kozlosky, Secretary
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<tr>
<th>Project #</th>
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<td>STATEWIDE PROJECT - FACILITY CONSTRUCTION FOR 2021</td>
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*Project added at the request of NCDOT.

**New project developed for federal funding award.**

**Amendment #20-4**

Proposed Amendments to 2020-2029 STIP/MPO TIP Programs
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*Proposed Amendments to 2020-2029 STIP/MPO TIP Programs*
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(September 2020)

STIP/MPO Tip Amendment #20-4
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 Amendment #20-4; and

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

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 Amendment #20-4.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization’s Board on November 18, 2020.

__________________________________________
David Piepmeyer, Chair

__________________________________________
Mike Kozlosky, Secretary
Proposed Revisions to 2020-2029 STIP/MPO Programs

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<tr>
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**Proposed Revisions to 2020-2029 STIP/MPO Programs**

(September 2020)

STIP/MPO TIP Modification # 20.6
Proposed Revisions to 2020-2029 STIP/MPO Programs

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* PROJ.CATEGORY: STATEWIDE

Programmed at Request of Rail Division.

ADD Preliminary Engineering Not Previously Project Inventory Program.

Various, Passenger Rail Crossing Safety Improvement.

(September 2020)

STIP/MPO TIP Modification # 20-6
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<th>Project Breaks</th>
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* Proposed Revisions to 2020-2029 STIP/MPO Programs

(September 2020)
Proposed Revisions to 2020-2029 STIP/MPO Programs

### Project 0-3384

**WMPO**

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**New Hanover Interchange**

- **Project Category:** Regional
- **Purpose:** To assist in balancing funds, delay right-of-way construction from FY 22 to FY 24.

### Project 0-4434

**WMPO**

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<tr>
<th>Year</th>
<th>Cost (in Thousands)</th>
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</table>

**SR 1209 (Independence Boulevard Extension), Randall Boulevard**

- **Project Category:** Regional
- **Purpose:** To assist in balancing funds, delay construction.

### Project 0-33386

**WMPO**

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</table>

**US 74 (Martin Luther King Jr. Parkway)**

- **Project Category:** Regional
- **Purpose:** To assist in balancing funds, delay construction from FY 22 to FY 24.

### Project 0-33008

**WMPO**

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**Build NC Construction**

- **Project Category:** Regional
- **Purpose:** To assist in balancing funds, delay construction from FY 22 to FY 24.
### Proposed Revisions to 2020-2029 STIP/MPO Programs

#### Regional Project Category

<table>
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<tr>
<th>Project</th>
<th>FY</th>
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(September 2020)

STIP/MPO Tip Modification # 20-6
Proposed Revisions to 2020-2029 STIP/MPO Programs

STIP/MPO Modification # 20·6

(September 2020)

$29,385,000

(table continued)

(1) $4,875,000 FY 2020

$6,180,000 POST VR FY 2022

$2,794,000 FY 2025

$2,794,000 FY 2026

$2,794,000 FY 2027

$2,794,000 FY 2028

$2,794,000 FY 2029

$8,174,000 POST YR FY 2029

$57,000 ENGINEERING FY 2021

$14,250,000 POST YR FY 2020

$1.438,000 FY 2021

$1.438,000 FY 2022

$1.438,000 FY 2023

$1.438,000 FY 2024

$1.438,000 FY 2025

$1.438,000 FY 2026

$1.438,000 FY 2027

$1.438,000 FY 2028

$1.438,000 FY 2029

$29,385,000

* U-4902C WMPO US 17 BUSINESS (MARKET STREET), NORTH OF US 17/ US 17 BUSINESS (MARKET STREET), SR 1403 (MIDDLE SOUND LOOP RD).

** U-4902D WMPO US 17 BUSINESS (MARKET STREET), SR 2290 (MENDEHNALL DRIVE)/ SR 2734 (MARSH OAKS DR).
Proposed Revisions to STIP/MPO Programs
(Sheet No. 2029-2029
STIP/MPO TIP Programs

From FY 23 To FY 29.
PROJ CATEGORY
REVISIONS TO STIP/MPO TIP PROGRAMS.

STANDARDS
PROJ. CATEGORY

From FY 22 To FY 22 CONSTRUCTION FROM FY 22 TO FY 22.
From FY 22 To FY 22 AND CONSTRUCTION FROM FY 22 TO POST YEAR.
From FY 22 To FY 29 AND CONSTRUCTION FROM FY 22 TO POST YEAR.
From FY 23 To FY 29.

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From FY 22 To FY 22.

From FY 22 To FY 22.
Proposed Revisions to 2020-2029 STIP/MPO Programs

<table>
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<th>Category</th>
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<td>From FY 29 to FY 29 and Construction from FY 30 to 38</td>
<td>$2,900,000</td>
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<td></td>
<td></td>
<td>To assist in balancing funds, delay right-of-way construction</td>
<td></td>
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<tr>
<td>FY 29</td>
<td>Regional</td>
<td>From FY 29 to FY 29 and Construction from FY 30 to 38</td>
<td>$1,600,000</td>
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<tr>
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<td></td>
<td>To assist in balancing funds, delay right-of-way construction</td>
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<td>From FY 29 to FY 29 and Construction from FY 30 to 38</td>
<td>$6,000,000</td>
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<td>To assist in balancing funds, delay right-of-way construction</td>
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<td>FY 29</td>
<td>Regional</td>
<td>From FY 29 to FY 29 and Construction from FY 30 to 38</td>
<td>$6,000,000</td>
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<td>To assist in balancing funds, delay right-of-way construction</td>
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</tbody>
</table>

- U-5734
- WMPD
- US 421 (South Front Street), US 17 Business/US 76/US 421
- Wilmington
- (September 2020)

STIP/MPO TIP Modification # 20-6
Proposed Revisions to 2020-2029 STIP/MPO Programs

STIP/MPO TIP Modification # 20-6

(September 2020)

STIP/MPO TIP Programs

$5,701,000

Proposed Construction Post Year

$4,600,000

STATEWIDE

Project Category

$4,500,000

TO ASSIST IN BALANCING FUNDS, DELAY RIGHT-OF-WAY UTILITY POSTING FROM FY 25 TO FY 29 AND CONSTRUCTION FROM FY 29 TO FY 30.

NEW HANOVER

$1,131,000

WMPO

U-5790

US 421 (CAROLINA BEACH ROAD), SR 2048 (GORDON ROAD) TO SR 1272 (SOUTH COLLEGE ROAD) IN WILMINGTON.


$3,394,000

WMPO

U-5881

US 421 (CAROLINA BEACH ROAD), SR 2048 (GORDON ROAD) TO SR 1272 (SOUTH COLLEGE ROAD) IN WILMINGTON.


$183,000

WMPO

U-5863

US 421 (CAROLINA BEACH ROAD), SR 2048 (GORDON ROAD) TO SR 1272 (SOUTH COLLEGE ROAD) IN WILMINGTON.


$25,713,000

WMPO

U-5881

US 421 (CAROLINA BEACH ROAD), SR 2048 (GORDON ROAD) TO SR 1272 (SOUTH COLLEGE ROAD) IN WILMINGTON.


$31,260,000

WMPO

U-5881

US 421 (CAROLINA BEACH ROAD), SR 2048 (GORDON ROAD) TO SR 1272 (SOUTH COLLEGE ROAD) IN WILMINGTON.


$44,600,000

WMPO

U-5881

US 421 (CAROLINA BEACH ROAD), SR 2048 (GORDON ROAD) TO SR 1272 (SOUTH COLLEGE ROAD) IN WILMINGTON.

Proposed Revisions to 2020-2029 STIP/MPO Programs

(September 2020)

STIP/MPO Tip Modification # 20-6

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

Proposed Revisions to 2020-2029 STIP/MPO TIP Programs

Project Breakdown At Request of Rail Division

<table>
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<tr>
<th>Proposal</th>
<th>Category</th>
<th>Start FY</th>
<th>End FY</th>
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<th>Construction FY 2022</th>
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<td>(1)</td>
<td>P-5740C</td>
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<td>2022</td>
<td>CSX SE line, installation of railroad grade crossing.</td>
<td>$5,792,000</td>
<td>$5,792,000</td>
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<td>(2)</td>
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<td>2023</td>
<td></td>
<td>Signals and gates at various at-grade crossings.</td>
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<td>(3)</td>
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<td>2023</td>
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</table>
RESOLUTION APPROVING ADMINISTRATIVE MODIFICATIONS #20-6 TO THE 2020-2029 STATE /MPO TRANSPORTATION IMPROVEMENT PROGRAMS

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

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

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

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization desires to modify the adopted 2020-2029 State/MPO Transportation Improvement Programs for Administrative Modifications #20-6.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby approves modifying the 2020-2029 State/MPO Transportation Improvement Programs for Administrative Modifications #20-6.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization’s Board on November 18, 2020.

_________________________________
David Piepmeyer, Chair

_________________________________
Mike Kozlosky, Secretary
BRIDGE INSPECTION PROGRAM.

PROJECT ADDED AT REQUEST OF STRUCTURES MANAGEMENT UNIT. PROJECT WILL REPLACE B-9999.

FY 2021 - $26,000,000
FY 2022 - $26,000,000
FY 2023 - $26,000,000
FY 2024 - $26,000,000
FY 2025 - $26,000,000
FY 2026 - $26,000,000
FY 2027 - $26,000,000
FY 2028 - $26,000,000
FY 2029 - $26,000,000

$234,000,000

STATEWIDE PROJECT - Proposed Revisions to the 2020-2029 STIP/MPO TIP Programs

STIP/MPO TIP Amendment # 20-5

November 2020

Proposal Revisions to the 2020-2029 STIP/MPO TIP Programs
Proposed Revisions to the 2020-2029 STIP/MPO TIP 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 N.C. Board of Transportation; and

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization has developed the Cape Fear Moving Forward 2045 plan to satisfy the requirements of the Fixing America’s Surface Transportation Act (FAST) as well as other federal, state and local laws mandating a continuing, cooperative and comprehensive (3-C) transportation planning activities; and

WHEREAS, the Cape Fear Moving Forward 2045 plan is a product of a multi-modal, 3-C transportation planning process, compatible with the Wilmington Urban Area Metropolitan Planning Organization’s long range vision; and

WHEREAS, the Cape Fear Moving Forward 2045 plan is fiscally constrained; and

WHEREAS, the Cape Fear Moving Forward 2045 plan was developed by the Wilmington Urban Area Metropolitan Planning Organization’s Citizen Advisory Committee in coordination with the MPO Board, Technical Coordinating Committee, local elected and appointed officials, local municipal and county staff, service organizations, subject matter experts, and the general public; and

WHEREAS, the development of the Cape Fear Moving Forward 2045 plan included socio-economic updates to the 2040 Wilmington Regional Travel Demand Model, resulting in the 2045 Wilmington Regional Travel Demand Model; and

WHEREAS, public comments were solicited at regular intervals during the planning process and a two and a half month public comment period was held to receive comments on the plan; and

WHEREAS, the final draft plan was approved by the MPO Board on July 29, 2020.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby adopts the Cape Fear Moving Forward 2045 plan and the 2045 Wilmington Regional Travel Demand Model.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization’s Board on November 18, 2020.

_____________________
David Piepmeyer, Chair
RESOLUTION ADOPTING THE WILMINGTON RAIL TRAIL MASTER PLAN

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

WHEREAS, the North Carolina Department of Transportation Rail Division maintains ownership of the vacant rail corridor between 3rd Street and McRae Street in the City of Wilmington; and

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization and the City of Wilmington worked with the North Carolina General Assembly during the 2015-2016 session to develop and support SB 174 which allows for future multi-modal use of the rail corridor; and

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization’s Board recognized the need to develop a unified vision for the future shared use of the rail corridor; and

WHEREAS, Wilmington Urban Area Metropolitan Planning Organization, in partnership and collaboration with the North Carolina Department of Transportation, City of Wilmington, and the Friends of the Wilmington Rail Trail has developed the Wilmington Rail Trail Master plan; and

WHEREAS, the Wilmington Rail Trail Master plan considers the future multi-modal interest in the corridor through stakeholder involvement, analysis of existing conditions, and nature of the surrounding land uses; and

WHEREAS, public comments about the future intended use and desired design and amenities of the corridor were solicited through a survey, and a two week public comment period was held to receive comments on the draft plan.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby adopts the Wilmington Rail Trail Master plan.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization’s Board on November 18, 2020.

David Piepmeyer, Chair

Mike Kozlosky, Secretary
WILMINGTON INTERNATIONAL (ILM), TAXIWAY IMPROVEMENTS.

AT REQUEST OF DIVISION OF AVIATION, DELAY CONSTRUCTION FROM FY 21 TO FY 28.

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<th>FY 2028 - (O)</th>
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NEW HANOVER - STATEWIDE PROJ.CATEGORY

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

SR 143 (CAROLINA BEACH ROAD) & US 421 (AIRCRAFT ROAD) TO EXISTING TRAIL AT CORNER OF MARKET ST AND MIDDLE SOUND LOOP ROAD.

DESCRIPTION REVISED AT THE REQUEST OF THE MPO.

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NEW HANOVER - STATEWIDE PROJ.CATEGORY

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

US 421 (CAROLINA BEACH ROAD) & SR 143 (MARKET STREET) TO EXISTING TRAIL AT CORNER OF MARKET ST AND MIDDLE SOUND LOOP ROAD.

PROPOSED REVISIONS TO THE 2020-2029 STIP/MPO TIP PROGRAMS

(WINTER 2020)

STIP/MPO TIP MODIFICATION # 20-7

November 2020
Proposed Revisions to the 2020-2029 STIP/MPO TIP Programs

SR 2048 (GORDON ROAD), US 17 (MARKET STREET) TO I-40. WIDEN ROADWAY.

Based on coordination with MPO and Division U-5790, accelerate right-of-way from FY 25 to FY 22 and construction from FY post year to FY 24.

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Description</th>
<th>Amount</th>
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<td>FY 2023</td>
<td>Utilities</td>
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<td>FY 2024</td>
<td>Build NC Way</td>
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<td>FY 2025</td>
<td>Post Yr.</td>
<td>$27,027,000</td>
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U-6202 NEW HANOVER DIVISION

WILMINGTON URBAN AREA METROPLANNING ORGANIZATION TO I-40. WIDEN ROADWAY.
SR 248 (GORDON ROAD) US 17 (MARKET STREET) BUILD NC ROW FY 2022 - $3,861,000

November 2020

STIP/MPO TIP Modification # 20-7

Proposal Revisions to the 2020-2029 STIP/MPO TIP Programs
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<td>New Hanover</td>
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<td>Proposed Revisions to the 2020-2029 STIP/MPO TIP Programs</td>
<td>(November 2020)</td>
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Proposed Revisions to the 2020-2029 STIP/MPO TIP Programs

SR 1403 (MIDDLE SOUND LOOP), CONSTRUCT MULTI-USE PATH SOUTH OF MARKET STREET FROM RED CEDAR ROAD TO EXISTING TRAIL AT CORNER OF MARKET STREET AND MIDDLE SOUND LOOP ROAD. TO ASSIST IN BALANCING FUNDS, DELAY CONSTRUCTION FROM FY 21 TO FY 22.

<table>
<thead>
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<th>Fiscal Year</th>
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Right-of-Way

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<td>FY 2022</td>
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<td>FY 2023</td>
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<th>Estimated Cost</th>
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<td>FY 2022</td>
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<td>FY 2023</td>
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Wilmington Metropolitan Planning Organization - Wilmington Urban Area

EB-6028

NEW HANOVER DIVISION

EB-6027

NEW HANOVER DIVISION

EB-6028

NEW HANOVER DIVISION

EB-6027

NEW HANOVER DIVISION

EB-6028

NEW HANOVER DIVISION
CAROLINA BEACH, CONSTRUCT NEW TRAFFIC SIGNAL AND IMPROVE PEDESTRIAN ACCOMMODATIONS AT THE INTERSECTION OF US 421 (LAKE PARK BOULEVARD) AND HAMLET AVENUE IN CAROLINA BEACH.

TO ASSIST IN BALANCING FUNDS, DELAY RIGHT-OF-WAY FROM FY 20 TO FY 21 AND CONSTRUCTION FROM FY 21 TO FY 22.

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<th>Year</th>
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PROJ.CATEGORY
WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

STIP/MPO TIP MODIFICATION # 20.7

PROPOSED REVISIONS TO THE 2020-2029 STIP/MPO TIP PROGRAMS
MEMORANDUM

To: MPO Board Members
From: Mike Kozlosky, Executive Director
Date: November 6, 2020
Subject: FY 22 Budget Preparation Discussions

MPO staff is beginning the preparation of the FY 22 budget for our Unified Planning Work Program. Staff plans to present the draft budget for public input at your January meeting and seek final approval at your March meeting. As such, there are a number of items that staff has identified and will need direction in order to present an appropriate budget.

**Wilmington Multi-modal Transportation Center Phase IB (525 North 4th Street)**

The Wilmington Urban Area MPO has appropriated Surface Transportation Block Grant-Direct Attributable (STBGP-DA) funds for the renovation and re-habilitation of the historic building located at 525 North 4th Street for MPO offices. HDR was hired to develop the design plans for the building renovation and re-use. The schematic designs are almost complete and mechanical, electrical, and plumbing designs are underway. The design is anticipated to be complete by the end of the calendar year and once design is complete it is anticipated a 6 to 8 construction timeline will be required for construction of the renovations. The occupancy of the building by MPO staff is anticipated in January 2022. Based on this anticipated occupancy date, staff recommends including operating expenses for ½ year using STGBP-DA funds. This is estimated in the amount of $15,000 with 80% federal funds ($12,000) and 20% local funding ($3,000).

**Administrative Assistant for the Wilmington Urban Area MPO**

Under the current organizational structure, the Administrative Assistant provides assistance to the Executive Director of the Wilmington Urban Area MPO and City of Wilmington’s Director of Planning, Development and Transportation Department. With the move to the MPO’s new offices, it is anticipated that the current Administrative Assistant position will remain at 305 Chestnut Street to assist the City’s Director of Planning, Development and Transportation. Therefore, it is recommended that the Wilmington Urban Area MPO add an Administrative Assistant position in the next Fiscal Year budget. Staff recommends including funding for this position for ½ year using STBGP-DA funds. This is estimated in the amount of $35,117 with 80% federal funds ($28,094) and 20% local funding ($7,023).
**Indirect Costs**

The Wilmington Urban Area Metropolitan Planning Organization is hosted and housed by the City of Wilmington. Based on this relationship, the City provides services and support to the MPO in which the City has in the past not requested reimbursement. These services and support include items such as City Manager support, Human Resources (HR) support, Information Technologies (IT) support, etc. The City may desire to begin to recoup some of these costs. If the City proceeds with requesting re-imbursement for these services, staff recommends using STBGP-DA funding to cover these expenses.

**Wilmington 2050 Travel Demand Model**

The travel demand model is a tool that is used by the Wilmington Urban Area MPO and North Carolina Department of Transportation to forecast future travel patterns in our region. These models are prepared with the development of the Metropolitan Transportation Plans. The most recent travel demand model was built for the 2040 Transportation Plan. This model has been updated for our MPO and will be approved with the adoption of Cape Fear Moving Forward 2045. It is important to develop this model in advance of project identification so the model is a useful tool in the development of the plan.

The estimated cost to develop a travel demand model is approximately $500,000. The North Carolina Department of Transportation is moving from MPO specific models to regional travel demand models. Based on conversations with the Department, the Wilmington Urban Area MPO could utilize our on-call transportation planning services contract to hire a consultant to develop a model specific to the MPO’s planning area boundary or NCDOT will prepare a regional model and contribute 100% of the cost. Based on knowledge, skills, experience, expertise, and funding; MPO staff recommends to proceed with NCDOT’s Transportation Planning Division preparing a regional travel demand model for our 2050 plan.

**Go Coast TDM Program**

The Go Coast Transportation Demand Management Program has been a partnership between the Wilmington Urban Area MPO and NCDOT which began in FY 2016. The current funding structure is that NCDOT contributes 50% and the MPO’s member jurisdictions contribute 50%. The total cost of the program is $123,600 with $61,800 provided by NCDOT and $61,800 provided by the MPO’s member jurisdictions. The funding is utilized to support one full-time Associate Transportation Planner (TDM Coordinator) and the associated program. The position and program work with our areas major employers and the Go Coast Committee in an effort to reduce the number of single occupancy vehicles on our area roadways and promote alternative modes of transportation. This position is responsible for the “Be A Looker” campaign, annual River to Sea ride, annual Commuter Challenge, and annual Bike to Work month activities. Based on a discussion with leadership at NCDOT, the funding is being provided for FY 21, however it is unknown and unlikely that the funding will be available from the state in FY 22 to continue the program. This leaves two options for the next fiscal year: 1) move the program over to being funded by the STBGP-DA program or 2) discontinue the program. If there is a desire to continue the program and move the program to being funded by the DA program, the contributions would be $98,880 in federal funds and $24,720 in local funds.
Planning Needs of MPO Members

Wilmington Urban Area MPO staff has requested that any planning needs including studies and/or plans be submitted by our members for consideration by December. The MPO programmed funding in the amount of $110,000 in the FY 21 Unified Planning Work Program to assist our members with these plans/studies. Last year, the Town of Navassa, Town of Leland, and Brunswick County voted to discontinue the Brunswick Connector. To date, discussions regarding a future Brunswick County transit study have been had by MPO staff and leaders in the Town of Leland. Staff would estimate a budget of $50,000 for the development of this plan. Other requested plans/studies will be known in December.

StreetLight Data

The WMPO was authorized in the FY 21 budget to purchase Streetlight data for the region to perform data analysis in real time. Streetlight data is a compilation of trillions of geospatial data points, collected from user applications in smart phones and GPS Navigation devices. Streetlight data ingest, index and process anonymized location records from smart phones and connected cars and trucks. The use of this data will be used to evaluate AADTs, transportation planning studies, traffic engineering studies, Transportation Demand Management activities, as well as a number of other uses. The funding approved in the FY 21 budget is $50,000. Due to COVID-19, the MPO has delayed the purchase of the data until January. It is anticipated that this funding would be re-occurring to continue to purchase this real-time data. NCDOT has indicated that they may purchase this data or date from another provider. Based on the needs of the organization and dependent upon the decision by NCDOT to purchase this data, staff may recommend the MPO Board consider using these FY 22 funds for other needs.

Conclusion

As outlined above, there are a number of factors and challenges playing into the development of the FY 22 fiscal year budget. Some of these items have been previously discussed with the Board and others are new initiatives or are a result of decisions from our partner agencies. Staff is trying balance the needs of the organization and be fiscally responsible with our federal and local dollars. Staff will begin discussions with the Board at your November meeting in an effort to develop and present a draft Unified Planning Work Program for consideration and approval.
2045 METROPOLITAN TRANSPORTATION PLAN

Project Description/Scope: The Wilmington Urban Area Metropolitan Planning Organization is required by federal law to update the Metropolitan Transportation Plan every 5 years. The last plan was adopted by the MPO Board on November 18, 2015. The next update is required to be adopted by November 2020. This plan will guide the regional transportation priorities and actions, and be used for project selection in the State/Metropolitan Transportation Improvement Programs. The MPO Board appointed a Citizen Advisory Committee (CAC) to help guide the development of this plan. A four month public outreach period was held between April 3, 2018 and July 31, 2018. During this period, there were 2,287 transportation survey responses, 563 comments on the public input map tool, and 4,554 votes on map comments, totaling 7,404 responses collected. In July 2018, the six modal subcommittees began meeting with the initial task of developing modal goals and objectives, which were completed in October 2018 and officially adopted by the Board in November 2018. The Modal Subcommittees have completed scoring criteria, evaluation of projects and development of the draft policies. The CAC, TCC and Board received the financial forecasts and potential alternative funding sources in March 2019. The consultant completed the project cost estimates and alternative funding forecasts in June 2019. A red line, fiscal constraint analysis of ranked modal projects were prepared and presented by staff to the CAC, TCC, and Board in July. The WMPO Board proposed changes at its August meeting and adopted a resolution endorsing the amended draft project lists in September 2019. In November 2019 the Board passed a resolution to include the estimated toll revenues for the Cape Fear Crossing project within the fiscally constrained projects list as a supported alternative form of funding. The draft plan was released for a 30-day public comment period on February 26th, 2020 and five regional open houses were scheduled throughout the region. Due to the onset of restrictions caused by COVID-19, only two of the five in-person open houses were held and the public comment period was extended through May 15th, 2020. Additionally, WMPO staff held three virtual open houses July 6th, 7th, and 8th, 2020. All comments received were addressed by staff and final revisions, recommended by staff and approved by the Board, were made to the draft plan. The WMPO Board approved the final draft of the plan at its July 2020 Board meeting.

Next Steps:
• Adoption of final plan on November 18, 2020

SITE DEVELOPMENT REVIEW

Project Descriptions/Scope: The Wilmington Urban Area MPO assists with site development and Transportation Impact Analysis review for the MPO’s member jurisdictions. During the last month, staff has reviewed the following development proposals:

• New Hanover County Development Plan Reviews: 5 reviews
• New Hanover County Informal Plan Reviews: 0 reviews
• New Hanover Concept Reviews: 0 review
• Town of Leland Development Plan Reviews: 1 reviews
• Town of Leland Formal Reviews: 0 reviews
• Town of Leland Informal Reviews: 0 reviews
• Town of Navassa Development Plan Reviews: 0 review
• Town of Navassa Formal Reviews: 0 reviews
• Town of Navassa Informal Reviews: 0 reviews
• Town of Navassa Concept Reviews: 0 reviews
• Town of Carolina Beach Formal Reviews: 0 reviews
• Town of Carolina Beach Informal Reviews: 0 reviews
• Brunswick County Formal Plan Reviews: 0 reviews
• Brunswick County Informal Plan Reviews: 0 reviews
• TIA Reviews: 10 total (1 new, 9 on-going) : New Hanover County 4, City of Wilmington 2, Carolina Beach 0, Leland 2 (1 new), Navassa 0, Pender County 2, and Brunswick County 0
• Pender County Development Plan Reviews: 3 reviews
• Pender County Informal Plan Reviews: 0 reviews
• Pender County Concept Reviews: 0 reviews
• City of Wilmington Formal Reviews: 70 (4 new, 66 on-going)
• City of Wilmington Informal Reviews: 34 (7 new, 27 on-going) reviews
• City of Wilmington Concept Reviews: 4 (4 new, 0 on-going)
• COW Project Releases: Full releases 7

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

U-5534C - WRIGHTSVILLE AVENUE/GREENVILLE AVENUE TO HINTON AVENUE
Project Descriptions/Scope: The project is for construction of intersection re-alignment improvements at the intersection of Wrightsville Avenue/Greenville Avenue and bike lanes and sidewalks along Greenville Avenue from Wrightsville Avenue to Hinton Avenue.

Project Status and Next Steps:
• Complete review of final design package and submit to NCDOT for review– Summer 2021
• NCDOT final design approval and City to request Construction Funds Authorization – Summer 2021
• Begin Construction – Early 2022
• Construction Complete- Early 2023

U-5534D - TOWN OF LELAND - OLD FAYETTEVILLE ROAD MUP
Project Descriptions/Scope: This project is for design and construction of a ten foot (10') wide multi use path, separate but adjacent to Old Fayetteville Road, beginning at or around the corner of the Leland Town Hall Campus and ending at the driveway of the North Brunswick High School.

Project Status and Next Steps:
• On April 15th, Ron Vancleef reported that Division Maintenance Engineer verified that 100% of the funds for the resurfacing project were available
• Construction authorization issued on or about May 15, 2020
• Town agreed to defer reimbursement
• Bid Opening- August 27, 2020
• Bids were within engineers estimate
• Contract awarded to C.M. Mitchell on September 17
• Notice to Proceed issued October 26
• Construction commenced October 26

U-5534F – CITY OF WILMINGTON – PARK AVENUE MUP – PHASE II
Project Descriptions/Scope: This project is for the design and construction of an off-road multi-use path between Audubon Boulevard and Kerr Avenue. The right of way certification was received
November 2, 2016.

Project Status and Next Steps:
- Plans approved August 20, 2019
- Right-of-Way Certification was approved on June 7, 2020
- Bid documents were initially approved on 11/22/19. Bid documents are currently being reviewed again since the project was not advertised for bid within 6 months of the initial bid document approval.
- Utility/RR certification was dated February 26, 2020
- Begin Construction – Early 2021
- Complete Construction – Summer 2021

U-5534G –CITY OF WILMINGTON- HOOKER ROAD MULTI-USE PATH
Project Descriptions/Scope: The project consist of the construction of a 8' wide multi-use path along Hooker Road from Wrightsville Avenue to Mallard Drive/Rose Ave intersection

Project Status and Next Steps:
- Complete final design package and submit to NCDOT for review–Summer 2021
- Update/renew permits – Summer 2021
- NCDOT final design approval – Summer 2021
- Right of way acquisition complete – Winter 2021/2022
- Begin Construction – Early 2022
- Complete Construction – Early 2023

U-5534H –CITY OF WILMINGTON- HINTON AVE MULTI-USE PATH
Project Descriptions/Scope: This project consists of the construction of an 8' wide multi-use path along Hinton Avenue from Park Avenue to Greenville Avenue.

Project Status and Next Steps:
- Complete final design package and submit to NCDOT for review–Summer 2021
- Update/renew permits – Summer 2021
- NCDOT final design approval – Summer 2021
- Right of way acquisition complete – Winter 2021/2022
- Begin Construction – Early 2022
- Complete Construction – Early 2023

U-5534I –TOWN OF LELAND- VILLAGE ROAD MULTI-USE PATH EXTENSION
Project Descriptions/Scope: The construction of a 8 foot wide concrete path from the connection at the Brunswick Center in Leland across the front of the library property, down Village Road, ending on the western edge of the First Baptist Church property before the Sturgeon Creek Bridge.

Project Status and Next Steps:
- Construction authorization issued on or about 5/15/2020
- Town agreed to defer reimbursement
- Bid Date – August 27, 2020
- Bids were within engineers estimate
- Low bidder was Simmons Public Utility Sitework, Inc.
- Contract awarded to Simmons on September 17
- Simmons contract was cancelled on October 20 because it was discovered that Simmons
was not pre-qualified to perform work under an NCDOT contract nor had a pre-
qualifications package been submitted to NCDOT for consideration at the time of the bid
opening; moreover, only 20% of the work was proposed to be performed by Simmons
which is less than the 40% required by NCDOT for a prime contractor.
• Town agreed to award contract to second low bidder – C.M. Mitchell
• C.M. Mitchell notified Town that it had made a calculation error in its bid
• Town is investigating options before taking next step

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 authorization issued on or about 5/15/2020
• Town agreed to defer reimbursement
• Bid Date – August 27, 2020
• Bids were within engineers estimate
• Low bidder was Simmons Public Utility Sitework, Inc.
• Contract awarded to Simmons on September 17
• Simmons contract was cancelled on October 20 because it was discovered that Simmons
was not pre-qualified to perform work under an NCDOT contract nor had a pre-
qualifications package been submitted to NCDOT for consideration at the time of the bid
opening; moreover, only 20% of the work was proposed to be performed by Simmons
which is less than the 40% required by NCDOT for a prime contractor.
• Town agreed to award contract to second low bidder – C.M. Mitchell
• C.M. Mitchell notified Town that it had made a calculation error in its bid
• Town is investigating options before taking next step

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 authorization issued on or about 5/15/2020
• Town agreed to defer reimbursement
• Bid Date – August 27, 2020
• Bids were within engineers estimate
• Low bidder was Simmons Public Utility Sitework, Inc.
• Contract awarded to Simmons on September 17
• Simmons contract was cancelled on October 20 because it was discovered that Simmons
was not pre-qualified to perform work under an NCDOT contract nor had a pre-
qualifications package been submitted to NCDOT for consideration at the time of the bid
opening; moreover, only 20% of the work was proposed to be performed by Simmons
which is less than the 40% required by NCDOT for a prime contractor.
• Town agreed to award contract to second low bidder – C.M. Mitchell
• C.M. Mitchell notified Town that it had made a calculation error in its bid
• Town is investigating options before taking next step

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:
• NCDOT Plans to resurface from 17th Street to Shipyard Blvd in 2021
• The City needs to have a discussion from the 4SW200 committee/MPO about additional funding needed to design and build project.

U-5534S (FORMERLY U-5534M)- TOWN OF WRIGHTSVILLE BEACH- CORAL DRIVE SIDEWALKS
Project Description/Scope: The construction of sidewalks along Coral Drive will install approximately 954 linear feet of 5 foot wide sidewalk on Coral Drive adjacent to Wrightsville Beach Elementary. The Town hired SEPI to complete the design.

Project Status and Next Steps:
• Project is ready for bidding and construction. Plans and PCE have been approved. The contract documents have been approved.
• Additional funding was approved by the MPO Board in May 2020
• Anticipated bidding in early 2021.

U-5534U – TOWN OF NAVASSA- NAVASSA PARK MULTI-USE PATH
Project Description/Scope: This project will construct bike lanes on both sides of Brooklyn Street, a multi-use path connecting Brooklyn Street to the Navassa Park, and a multi-use path through the Navassa Park forming a loop within the park.

Project Status and Next Steps:
• The Town has received 65% comments from NCDOT
• Right Angle is working on 90% plans
• Right-of-way authorization is anticipated by June of 2021
• Construction Funding is anticipated in 2021

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 agreements have been executed
• The Town has selected Withers & Ravenel as the engineer
• The Town has entered into a contract with Withers & Ravenel
• Kick-off meeting on November 6th

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:
• City Council approved the agreement with HDR in July
• The consultant has developed the schematic designs and are working on the mechanical, electrical, and plumbing

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:
• U-6235 agreement between NCDOT and City of Wilmington executed March 2020.
• Cost sharing agreements with New Hanover County started June 2019 and completed March 2020.
• NCDOT Authorization for Preliminary Engineering received March 2020.
• Project goals reviewed with NCDOT Division 3.
• Interagency maintenance agreements and addendums are in development.
• 90-day Design Proposal received May 2020. Waiting on response for extension of proposal.
• WMPO advised of pause in NCDOT funding availability.

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:
• TIP number has been entered. Town to upload information in EBS to request agreement.

TASA-DA

U-5527C NEW HANOVER COUNTY – MIDDLE SOUND GREENWAY – EXTENSION TO MIDDLE SOUND VILLAGE
Project Description/Scope: This project is for the construction of a multi-use path along Middle Sound Loop Road from Oyster Lane to the Middle Sound Village property line.

Project Status and Next Steps:
• Pre-con meeting held with ECC on October 27th
• Anticipate NTP being issued shortly (working out water main location with CFPUA)
• 180 day completion
• Contracting with RK&K for CEI services

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 agreements have been executed
• The Town has selected Withers & Ravenel as the engineer
• The Town has entered into a contract with Withers & Ravenel
• Kick-off meeting on November 6th
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:
- Completing hydraulic design
- Anticipate final drawing completion by end of month
- Working with Marta Mathews to modify project with new Supplemental Agreement now (entered in system last week)
- Awaiting NCDOT approval of contract for hydraulic design modification, once complete, final design will be forthcoming
- Supplemental agreement changes accepted, contract is signed

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:
- Pre-Design scoping meeting with Davenport Engineering and NCDOT Division Personnel occurred on 2/20.
- Scope of design defined, but this scope was much larger than initially anticipated. Adjustment to PE Authorization will be needed.
- NCDOT Mandy estimate for issuance of task order approved on 6/24/2020
- The project will be placed on indefinite hold until such time as NCDOT addresses the Cash Balance issue. All projects have been asked to get to a stopping place due to NCDOT’s inability to pay for work.
- NCDOT recommended Change Request to increase funding, but cannot guarantee approval yet. Contract will not be released for execution until the additional funding is approved.
- Survey and Design for NCDOT review.

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.

TRANSPORTATION DEMAND MANAGEMENT PROGRAM
Project Description/Scope: UNCW is taking the role as lead employer for the Cape Fear region. The WMPO will coordinate with UNCW to work with other major employers in the region to identify opportunities for public outreach, marketing, carpooling, vanpooling, alternative/compressed work schedules, Emergency Guaranteed Ride Home, park and ride lots, etc. The MPO adopted “Work Cape Fear: Expanding Commuter Options in the Cape Fear Region” TDM Short Range Plan on January 28, 2015 and also authorized staff to apply for a TDM grant through NCDOT that funded a full-time TDM Coordinator position. The Agreement with NCDOT for the full-time TDM Coordinator position was approved on November 4, 2015. The TDM program works to increase active transportation initiatives and increase community knowledge of commuter options. The MPO finalized the Strategic Marketing Plan for the “Go Coast” program. In addition, the WMPO has been working with the City of Wilmington to implement a bike share program. The TDM program has continued to grow and progress and below are project status and next steps.
Project Status and Next Steps: Initiatives

1. Watch For Me NC
   a. Wilmington will partner with NCDOT for 2020 Watch For Me NC bicycle and pedestrian safety program. Watch for Me NC task force comprised of WPD, WFD, Go Coast, Wilmington Engineering, and NHRMC are convening monthly
   b. Due the inability of the police to hold in-person events. Watch for Me NC is being heavily marketed on social media and billboards throughout Wilmington.

2. The 2020 Go Coast Commuter Challenge was held October 16-30
   a. A strong emphasis was placed on telecommuting this year
   b. 90 individuals registered to participate
   c. Local businesses donated gift cards to be given away as prizes. Winners will be announced by November 15th

3. Wilmington was designated a Bronze Level Bicycle Friendly Community by the League of American Bicyclists (LAB) in April 2020
   a. LAB has provided feedback about how to become more bicycle friendly.
   b. A Bicycle Friendly Community Taskforce of CoW and WMPO staff is being assembled to evaluate the feedback and make moves to become Silver by the next application in 2024.

4. Short Range TDM Plan
   a. Plan was reviewed by the Go Coast Committee and changes were made to the plan.
   b. Public comment period will take place November-December 2020
   c. TCC and Board to receive draft in early of 2021.

5. CASSI Autonomic Vehicle three month grant for Carolina Beach and Downtown Wilmington. Application deadline has been extended to July 31, 2020.
   a. Waiting to hear back from NCDOT

6. Next Go Coast meeting is November 19th and will be hosted virtually.
1. **Network Redesign** - On January 21, 2020, the City of Wilmington and New Hanover County each adopted a Concurrent Resolution of the Wilmington City Council and the Board of Commissioners of New Hanover County for Enhanced Public Transportation Operations and Efficiency. TransPro Consulting was retained by New Hanover County and the City of Wilmington to serve as consultant to the board during the evaluation process.

A network redesign proposal was developed by TransPro Consulting and presented to the Wave Transit board for consideration on July 23, 2020. The proposal was refined to include comments provided by Authority staff and the Wave Transit board. A revised proposal was presented to the Wave Transit board during the August 27, 2020 meeting. The framework for a revised transportation network outlined in the consultant’s proposal was approved by the Wave Transit board on Thursday, October 22, 2020. A summary of the revised system network includes eight (8) fixed bus routes, from the current fourteen (14), increased service frequency for three (3) fixed bus routes, and an on-demand service offering.

The revised network is slated for implementation on July 1, 2021. Further information regarding the recommendations included in the proposal, opportunities for comment and a timeline of events will be released to the public in the coming weeks.

2. **Executive Director Search** - Search efforts for an Executive Director, spearheaded by the City of Wilmington’s Human Resources Department, have concluded. A formal announcement naming the Authority’s new Executive Director will occur in a formal capacity during the upcoming Wave Transit Board of Director’s meeting scheduled for Thursday, November 19, 2020. The new Executive Director will be seated effective Monday, December 7, 2020.
### Projects in Development

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<th>Project Manager</th>
<th>Contract Typ</th>
<th>TIP</th>
<th>PO</th>
<th>Description</th>
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<td>Central</td>
<td>Raleigh</td>
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<td>WMPO</td>
<td>New Hanover 48 on I-40 E and I-40 W/NE Substructure Repairs</td>
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<td>DPOC</td>
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<td>WMPO</td>
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<td>WMPO/CFRPO</td>
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<td>WMPO</td>
<td>Replace Bridge 29 on Corneilus Harnett Dr/Castle Hayne Rd over Smith Creek</td>
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<td>Eric Murray</td>
<td>DPOC</td>
<td>U-5914</td>
<td>WMPO</td>
<td>Widen NC 133 from US 17/74/76 to Old River Rd</td>
<td>Brunswick</td>
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<td>Krista Kimmel</td>
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<td>WMPO</td>
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Projects in Development

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<td>Jessi Leonard</td>
<td>CSF</td>
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<td>US 17 and Ploof Rd/Olde Waterford Way</td>
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**Date Completed:** 10/29/2020

**PO:** WMPO

**Contact:** Caitlin Marks  cmmarks@ncdot.gov
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<td>Oct-20</td>
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<td>Daniel Jones</td>
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<td>Hanover/Brunswick</td>
<td>Lydia Mckeel</td>
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</table>
November 2020

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

NOVEMBER TPD UPDATES WILMINGTON MPO

NOVEMBER 2020

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

**Brunswick County Comprehensive Transportation Plan (CTP):** We have officially started our Brunswick County CTP. Our first meeting was on 10/27/2020 with our Core Steering Committee. Our second meeting will be on December 10th with the entire Steering Committee where we will be presenting “What Is a CTP?”, familiarizing our Steering Committee with the process as well as discussing the first deliverables we will be producing for the CTP.

**Wilmington Model:** The 2045 model is ready for MTP testing. The 2045 model will be considered the official Wilmington MPO Model when the MTP is adopted.

**NC Moves 2050:** The N.C. Department of Transportation wants your feedback for the NC Moves 2050 Plan, NCDOT’s update to the state’s long-range transportation plan. Participate by November 9th to provide comments on the recommended actions designed to provide a responsive, connected and inclusive transportation system.

Your feedback will help guide North Carolina’s future transportation policies and investments. You can learn more about NC Moves 2050 at [www.ncmoves.gov](http://www.ncmoves.gov).

The draft recommendations and report were presented to the board of transportation on 10/8/2020 and the 30 day comment period was opened on 10/9/2020. The 30 day
comment period will be open from October 9 to November 9. The NC Moves 2050 Team will be collecting comments in the form of a survey. The survey and draft report are posted on the web at www.ncmoves.gov.

The NC Moves 2050 Team has also created an informational video that can be found at https://youtu.be/iYodsTGQm0.

If you have any questions, please contact Natasha Earle at nbearle-young@ncdot.gov.

**Strategic Transportation Corridors (STC):** All MPOs and RPOs along US 74 have signed resolution letters in support of US 74 and US 321. Starting this month, the STC team plans to meet with MPOs, RPOs and Division individually to discuss the long/short term vision for US 70, US 258/ US 13/ NC 211 and US 117.

**Powell Bill Funds:** End of September, the N.C. Department of Transportation began distributing nearly $132.7 million in State Street Aid to Municipalities, also known as Powell Bill funds, to 508 municipalities across the state.

The initial allocation, half of the overall total, went out on 9/28/2020. The other half will be paid by Jan. 1. The number of recipients who applied to be considered for funds is the same as 2019.

The Powell Bill requires municipalities to use the money primarily for street resurfacing, but it can also be used for the construction and maintenance of roads, bridges, drainage systems, sidewalks and greenways.

**Contract Awarded to Improve Brunswick County Roads:** A recently awarded contract will improve more than 30 miles of Brunswick County roads and ramps.

S.T. Wooten Corporation of Wilson was awarded a $5.6 million contract in October to mill and resurface lanes and reconstruct shoulders on 33.6 miles of roadway within the county.

The areas of work include one section each of U.S. 17, U.S. 74/76 and N.C. 130 and 11 sections of secondary roads.

The contractor can begin construction as early as mid-March 2021, and it is expected to be complete by October 2022.