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

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

TO: Wilmington Urban Area MPO Board Members
FROM: Mike Kozlosky, Executive Director
DATE: November 13, 2019
SUBJECT: November 20th meeting

A meeting of the Wilmington Urban Area MPO Board will be held on Wednesday, November 20, 2019 at 3 pm. The meeting will be held in the 6th Floor Conference Room at 320 Chestnut Street in downtown Wilmington.

The following is the agenda for the meeting:

- 1) Call to Order
- 2) Conflict of Interest Statement
- 3) Approval of Board Member Excused Absences
- 4) Approval of the Agenda
- 5) Public Comment Period
- 6) Presentations
 - a. Recognition of retiring NCDOT Division Engineer Karen Collette - Chairman David Piepmeyer, WMPO
- 7) Consent Agenda
 - a. Approval of Board Meeting Minutes from October 30, 2019 (p. 3-9)
 - b. Resolution supporting the endorsement of the 2020 Targets for Safety Performance Measures established by the North Carolina Department of Transportation (p. 10-11)
 - c. Resolution adopting the 2020 Wilmington Urban Area Metropolitan Planning Organization Meeting Schedule (p. 12-13)
 - d. Opening of the 30-day Public Comment Period for 2018-2027 and 2020-2029 STIP/MPO Transportation Improvement Program Amendment #19-6 (p. 14)
- 8) Regular Agenda
 - a. Resolution approving amendments to the Wilmington Urban Area MPO's Bicycle and Pedestrian Committee Bylaws (p. 15-18)
 - b. Resolution approving additional Direct Attributable funding to the Town of Leland for the Old Fayetteville Road Multi-use Path Project (p. 19-21)
 - c. Resolution approving additional Direct Attributable funding to the Town of Leland for the Village Road Multi-use Path Project (p. 22-23)

Wilmington Urban Area Metropolitan Planning Organization

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- d. Resolution approving additional Direct Attributable funding to the Town of Leland for the Town Hall Drive/Village Road/Old Fayetteville Road Pedestrian Loop (p. 24-25)
 - e. Resolution supporting the installation of an additional Southbound Exit Lane on US 17 onto Market Street in Porters Neck (p. 26-29)
- 9) Discussion
- a. Resolution approving the Alternative Funding Sources for inclusion in Cape Fear Moving Forward 2045 (p. 30-32)
 - b. 2018-2027 and 2020-2029 STIP/MPO Transportation Improvement Program Administrative Modification #19-5 (p. 33)
- 10) Updates
- a. Wilmington Urban Area MPO (p. 34-41)
 - b. Cape Fear Public Transportation Authority (p. 42-43)
 - c. NCDOT Division (p. 44-47)
 - d. NCDOT Transportation Planning Division (p. 48-51)
- 11) Next meeting – January 29, 2020

Attachments

- MPO Board Meeting Minutes- October 30, 2019
- Resolution supporting the endorsement of the 2020 Targets for Safety Performance Measures established by the North Carolina Department of Transportation
- Proposed 2020 Wilmington Urban Area Metropolitan Planning Organization Meeting Schedule
- Resolution adopting the 2020 Wilmington Urban Area Metropolitan Planning Organization Meeting Schedule
- Proposed 2018-2027 and 2020-2029 STIP/MPO Transportation Improvement Program Amendment #19-6
- Proposed Wilmington Urban Area MPO's Bicycle and Pedestrian Committee Bylaw Amendments
- Resolution approving amendments to the Wilmington Urban Area MPO's Bicycle and Pedestrian Committee Bylaws
- Town of Leland's Funding Request for the Old Fayetteville Road Multi-use Path Project
- Resolution approving additional Direct Attributable funding to the Town of Leland for the Old Fayetteville Road Multi-use Path Project
- Town of Leland's Funding Request for the Village Road Multi-use Path Project
- Resolution approving additional Direct Attributable funding to the Town of Leland for the Village Road Multi-use Path Project
- Town of Leland's Funding Request for the Town Hall Drive/Village Road/Old Fayetteville Road Pedestrian Loop
- Resolution approving additional Direct Attributable funding to the Town of Leland for the Town Hall Drive/Village Road/Old Fayetteville Road Pedestrian Loop
- Presentation of Proposed Improvements on US 17 onto Market Street in Porters Neck
- Resolution supporting the installation of an additional Southbound Exit Lane on US 17 onto Market Street in Porters Neck
- Cape Fear Moving Forward 2045 Alternative Funding Options Memorandum
- Resolution approving the Alternative Funding Sources for inclusion in Cape Fear Moving Forward 2045
- 2018-2027 and 2020-2029 STIP/MPO Transportation Improvement Program Administrative Modification #19-5
- 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)

Board Meeting Minutes
6th Floor Conference Room, 320 Chestnut Street
Wednesday, October 30, 2019

Members Present

David Piepmeyer, Pender County
Pat Batleman, Town of Leland
Neil Anderson, City of Wilmington
Charlie Rivenbark, City of Wilmington
Jonathan Barfield, Cape Fear Public
Transportation Authority
Mike Allen, Town of Belville
Steve Shuttleworth, Town of Carolina Beach

John Ellen, Town of Kure Beach
Hank Miller, Town of Wrightsville Beach
Frank Williams, Brunswick County
Eulis Willis, Town of Navassa

Others Present

Mike Kozlosky, Executive Director, WMPO
Karen Collette, NCDOT Highway Division 3

1. Call to Order

Chairman Piepmeyer called the meeting to order at 3:01 p.m.

2. Conflict of Interest Statement

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

3. Approval of Board Members' Excused Absences

Mr. Kozlosky stated that Patricia Kusek has requested to be excused from the meeting and that Hank Miller has advised that he will be delayed.

Mr. Anderson made a motion to excuse the absence of Ms. Kusek. Mr. Williams seconded the motion, and it carried unanimously.

4. Approval of the Agenda

Mr. Rivenbark made a motion to approve the agenda as presented, seconded by Mr. Allen, and the motion carried unanimously.

5. Public Comment Period

Andy Koeppel spoke to the MPO Board regarding the Cape Fear Crossing Project. He expressed appreciation to staff for the transcription of his comments given on the same topic at last month's MPO Board meeting. He noted that although he sent a draft of a resolution of support to members of the MPO Board, much uncertainty surrounds the potential restoration of the project. In addition, he has been advised to wait as more information will emerge over the next 12 months. He commented that the e-mail was sent with the best of intentions for the region in mind and expressed appreciation to the MPO Board.

6. Presentation

a. Go Coast Website

Nick Cannon, Transportation Demand Management (TDM)/Go Coast Coordinator, WMPO, gave a presentation on the new Go Coast website. He stated that some information regarding the Go Coast Program currently exists on a single web page of the WMPO's website. However, since the funding was available, a dedicated website was developed with more in-depth content about the program.

Mr. Cannon gave an overview of the Go Coast website, as follows:

- About
 - Go Coast and TDM
 - Go Coast Committee
 - Commuter Friendly Employer
- Biking & Walking
 - Rules of the Road
 - Bicycles
 - Pedestrians
 - Bikes on the Bus and link to Wave Transit
 - Maps/Clubs/Links
 - Cross City Trail
 - River to Sea Bikeway
 - Cape Fear Cyclists
 - Bicycle and Pedestrian Infrastructure Map
 - Island Greenway (Carolina Beach)
- Carpool & Van Pool
 - Share the Ride NC (currently under revision by NCDOT)
 - Wave Vanpool
 - Park & Ride Lots
- Public Transportation
 - Bus Routes (MPO GIS Portal Page also with all stops and time table available)
 - Trip Planner (by bus)
 - Free Downtown Trolley
 - Fares and Passes (link to Wave Transit)
- Projects (alternative transportation projects funded through the WMPO)
- News & Events
- Contact information

In response to an inquiry by Chairman Piepmeyer, Mr. Kozlosky stated that the new website will go live at the beginning of next year.

Vice Chair Batleman expressed an interest in this presentation being given to various organizations in the region such as the North Brunswick Newcomers Club in Leland.

Mr. Williams expressed an interest in analytics and the plan for driving traffic to the website.

Chairman Piepmeyer pointed out that a target date and communication plan are necessary for the success of the campaign.

Mr. Kozlosky stated that in response to past wishes of the MPO Board, staff engages regularly in social media campaigns via Facebook and Twitter, and other social media platforms. He noted that Mr. Cannon posts updates on transportation projects and initiatives three times a week. He added that a communication plan will be shared with the MPO Board prior to the rollout of the new website.

Mr. Williams requested that some of the more important campaigns be promoted via paid advertising on social media.

7. Public Hearing

a. Resolution adopting the 2020-2029 State/WMPO Transportation Improvement Programs

Mr. Kozlosky stated that according to the adopted Public Involvement Plan, the MPO is required to hold a public hearing prior the adoption of the 2020-2029 State/WMPO Transportation Improvement Programs. He reported that the required 30-day public comment period has been held and no comments were received. He requested that the public hearing be held at this time and that the MPO Board consider the resolution.

Chairman Piepmeyer opened the public hearing on the 2020-2029 State/WMPO Transportation Improvement Programs.

In response to an inquiry by Mr. Ellen, Mr. Kozlosky stated that the public hearing was advertised in the agenda and that the Public Involvement Plan does not state an advertising requirement.

There being no one present to speak in favor or in opposition, the public hearing was closed.

Mr. Barfield made a motion to approve the 2020-2029 State/WMPO Transportation Improvement Programs. Mr. Rivenbark seconded the motion, and it carried unanimously.

8. Consent Agenda

a. Approval of Board Meeting Minutes of September 25, 2019

b. Resolution approving 2018-2027 and 2020-2029 STIP/MPO Transportation Improvement Program Amendment #19-4

c. 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 19-20 funding to the Cape Fear Public Transportation Authority for Public Transportation Planning Activities

d. Opening the 30-day Public Comment Period for 2018-2027 and 2020-2029 STIP/MPO Transportation Improvement Program Amendment #19-5

Mr. Ellen made a motion to approve the Consent Agenda as presented. Vice Chair Batleman seconded the motion, and it carried unanimously.

9. Regular Agenda

a. Resolution approving the Go Coast Transportation Demand Management Committee Bylaws

Mr. Kozlosky stated that the Go Coast Committee did not have bylaws previously. He noted that Mr. Cannon worked with the committee to draft the bylaws that are included in the agenda packet. He added that the bylaws were approved by the committee, and that staff requests that the MPO Board approve them as well.

In response to an inquiry by Mr. Williams, Mr. Cannon stated that current membership is constructed similarly to the structure in the proposed bylaws; although, not limited to the current membership. He explained that the goal is to have 100% participation by representatives from each of the criteria in the bylaws.

Mr. Williams made a motion to approve the Go Coast Transportation Demand Management Committee Bylaws. Vice-Chair Batleman seconded the motion, and it carried unanimously.

10. Discussion

a. Alternative Funding Criteria for Inclusion in Cape Fear Moving Forward 2045

Ms. Lorenzo expressed appreciation for the assistance of the MPO Board members in accommodating presentations on the alternative funding criteria to the boards of each of the member jurisdictions. She noted that only two presentations remain to be completed, plus one repeat presentation. She added that staff expects to complete the presentations and bring the alternative funding sources to the MPO Board for consideration at its November meeting.

Chairman Piepmeyer stated that he has requested feedback from fellow Pender County Commissioners in preparation for the MPO Board's November meeting. He encouraged fellow MPO Board members to do likewise in order to advance the plan.

Ms. Lorenzo stated that staff will bring forward any additional projects that can be funded by alternative sources for consideration at the MPO Board's January meeting.

Mr. Ellen expressed appreciation to Ms. Lorenzo for giving the presentation to the Kure Beach Town Council. He expressed concerns that the Town Council's next meeting is on the evening of November 20th, the same day as the MPO Board meeting.

Mr. Kozlosky stated that feedback from all jurisdictions would be necessary to make a decision on the alternative funding sources on November 20th.

Mr. Ellen responded that he will contact fellow Council members. He commented that the mayor might call a special meeting if the advertising requirements for it can be met.

Chairman Piepmeyer expressed appreciation to Mr. Kozlosky for his presentation to the Pender County Board of Commissioners.

Vice Chair Batleman expressed concerns that the Town Council of Leland will be meeting on November 20th as well. However, she noted that the Transportation Oversight Committee will meet on November 7th and she will be able to provide input from the Town Council in advance of its meeting.

Chairman Piepmeyer requested that members gather at least some informal input from their respective boards prior to the November meeting of the MPO Board.

b. Cape Fear Public Transportation Authority Reduction Strategies/Local Funding

Mr. Kozlosky stated that the Cape Fear Public Transportation Authority has prepared the information included in the agenda packet regarding service reduction strategies and local funding recommendations. He noted that Wave's Board approved a public hearing for the potential service reductions to be held on November 21st as well as additional funding requests of several partners on the MPO Board, as follows:

City of Wilmington	\$250,000
New Hanover County	\$57,000
Brunswick County	\$5,500
Town of Leland	\$9,500

Town of Navassa	\$2,350
Town of Carolina Beach	\$1,800

Albert Eby, Executive Director, Wave Transit, expressed appreciation for support from the MPO Board and member jurisdictions. He stated that about this time last year, Wave was informed of some changes in state funding allocations during the second year of the biannual budget. In addition, NCDOT was unable to minimize impacts from the loss of rural funding from the federal government, for which the region is no longer eligible. He noted that years ago, Wave was able to use the federal allocation as a steady and predictable funding source to support operations. Once the region became a TMA (Transportation Management Area), the MPO was able to flex some funds to transit, which helped support Wave for the last five or six years.

Mr. Eby expressed an interest in working with the MPO to identify a formula or percentage of Federal Highway Administration (FHWA) flexible money for use during the continued absence of a dedicated funding source. He noted that Wave requested assistance from New Hanover County in establishing a dedicated funding source based on opportunities in the North Carolina General Statutes or by voter referendum for a sales tax to fund public transportation. However, the County was not in favor of these options.

Mr. Eby stated that Wave was also impacted by NCDOT's budget challenges this year. He noted that NCDOT cut all transit programs by 8%, the amount that was lost in gas tax revenue. He added that Wave is working with the state legislature to reinstate it. Additionally, Wave is working with the local delegation to identify some programs and sources that would bring funding to the region, possibly for an allocation to the transit authority.

Mr. Eby stated that Wave developed the recommendations to reduce services rather than to eliminate them. He noted that although some routes were eligible for reduction, they were the only service available to communities with many residents who rely on the service. He added that the Federal Transit Authority (FTA) requires Wave to make service available to the entire urbanized area of the Census. The proposed rollbacks would include reducing service from 9:00 p.m. to 8:00 p.m., and shifting of some Saturday hours to six hours every Saturday. He expressed a desire to restore these services as soon as possible.

Mr. Eby stated that the changes would be impactful, but less so than other recommendations discussed. He noted that New Hanover County has resolved to end its relationship in the inter-local agreement with the City of Wilmington for Wave Transit, effective July 1st 2021. He added that Wave will continue to provide services to the region at least until that time, and will continue to share its plans with the MPO. He anticipated that if nothing changes, the next round of reductions will be fairly drastic and impactful to the community. He expressed an openness to any ideas.

Vice Chair Batleman inquired about other ways to support Wave. Mr. Eby suggested that the MPO Board members might share the importance of public transportation and the information provided today with other elected officials and the community.

Mr. Eby stated that Wave is working with a marketing company to tell its story. He noted that one story is how Wave has built about \$30 million worth of assets in rolling stock and facilities during the last 10 years without incurring any debt. He added that Wave has

worked diligently to obtain grants from outside sources and to keep the impact to the local community and taxpayers at a minimum. However in order for its programs to succeed, Wave needs local funds to match federal and state dollars.

Mr. Eby commented that economic development is very important to Wave. He stated that the project downtown is wrapping up thanks to the help of the MPO. He noted that it created many jobs in the region, from laborers and contractors to engineers. He added that most of Wave's projects are restricted from using regional help, and must be bid nationally. However, facility projects can have geographic preference. Other stories include the ongoing conversion of the Wave fleet to compressed natural gas vehicles, and the evacuation efforts of Wave during Hurricane Florence. He requested that MPO Board members share these stories with elected officials and constituents.

Chairman Piepmeyer requested a summary of marketing points for distribution to the MPO Board, and expressed appreciation to Mr. Eby.

11. Updates

Mr. Kozlosky stated that yesterday evening, he was informed that the MPO's indemnifications and protection language would be included in Senate Bill 419. He noted that he was present this morning in Raleigh when the technical corrections bill passed the House Rules Committee. He added that the bill is calendared to go to the floor today.

Chairman Piepmeyer expressed appreciation to Mr. Kozlosky and the local delegation for their efforts in attempting to restore the indemnifications and protections to the MPO.

Ms. Collette stated that at the conclusion of her retirement party yesterday and during a staff meeting at Division 3, Chief Little announced Chad Kimes as the new Division Engineer, effective this Saturday. She commented that Mr. Kimes is deserving and will do a fantastic job.

Mr. Kozlosky stated that the other updates have been included in the agenda packet.

12. Announcements

a. Bike/Pedestrian Committee Meeting – November 12th

b. The next WMPO Board meeting – November 20th

Mr. Kozlosky pointed out that the MPO Board meeting in November is a week earlier than usual due to the Thanksgiving holiday.

In response to an inquiry by Mr. Williams, Mr. Kozlosky stated that the 2020 schedule of MPO Board meetings will be presented at the November 20th meeting. He noted that the following meeting will be held in January. However, it may be necessary to meet in December if an agreement on the alternative funding criteria cannot be reached.

Chairman Piepmeyer stated that a new Chair will be elected in January, and requested that anyone with interest in serving should come forward.

In response to an inquiry by Mr. Rivenbark, Chairman Piepmeyer commented that it might be difficult to serve as chairman of the MPO Board and chairman the Pender Board of Commissioners simultaneously, should that becomes possibility.

Mr. Williams expressed appreciation to Ms. Collette for her service to the MPO Board.

Mr. Kozlosky stated that Ms. Collette will be recognized at the next MPO Board meeting since her last day at Division 3 is in December.

Mr. Barfield commented that he has a lengthy history with Ms. Collette. He noted that in junior high school, she was president and he was vice president of the student government.

Ms. Collette attributed her win due to a write-in campaign. Prior to winning, she had not been allowed to run because she did not submit an expense report since no money had been spent. However her mother, who worked at Federal Paper Company, distributed 450 flyers and demonstrated how to do a write-in campaign, which is a mechanism of candidacy in government and history.

13. Adjournment

With no further business, the meeting was adjourned at 3:46 p.m.

Respectfully submitted,

Mike Kozlosky
Executive Director
Wilmington Urban Area Metropolitan Planning Organization

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

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
BOARD**

**RESOLUTION SUPPORTING THE ENDORSEMENT OF TARGETS FOR SAFETY
PERFORMANCE MEASURES ESTABLISHED BY THE NORTH CAROLINA
DEPARTMENT OF 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 Wilmington Urban Area Metropolitan Planning Organization has been designated by the Governor of the State of North Carolina as the Metropolitan Planning Organization (MPO) responsible, together with the State, for the comprehensive, continuing, and cooperative transportation planning process for the MPO's metropolitan planning area; and

WHEREAS the Highway Safety Improvement Program (HSIP) final rule (23 CFR Part 490) requires States to set targets for five safety performance measures annually, by August 31; and

WHEREAS, the North Carolina Department of Transportation (NCDOT) has established targets for five performance measures based on five year rolling averages for: (1) Number of Fatalities, (2) Rate of Fatalities per 100 million Vehicle Miles Traveled (VMT), (3) Number of Serious Injuries, (4) Rate of Serious Injuries per 100 million VMT, and (5) Number of Non-Motorized (bicycle and pedestrian) Fatalities and Non-motorized Serious Injuries; and

WHEREAS, the NCDOT coordinated the establishment of safety targets with the 19 Metropolitan Planning Organizations (MPOs) in North Carolina continually through outreach conducted by NCDOT's Mobility and Safety Group; and

WHEREAS, the NCDOT officially establishes and reports the safety targets in the Highway Safety Improvement Program annual report by August 31, of each year; and

WHEREAS the MPO's may establish safety targets by agreeing to plan and program projects that contribute toward the accomplishment of the State's targets for each measure or establish its own target within 180 days of the State establishing and reporting its safety targets in the HSIP annual report.

NOW THEREFORE, BE IT RESOLVED, that the Wilmington Urban Area Metropolitan Planning Organization agrees to plan and program projects that contribute toward the accomplishment of the State's targets as noted below for each of the aforementioned performance measures:

1. For the 2020 Highway Safety Improvement Plan (HSIP), the goal is to reduce total fatalities by 6.23 percent each year from 1,396.4 (2014-2018 average) to 1,227.8 (2016-2020 average) by December 31, 2020.
2. For the 2020 Highway Safety Improvement Plan (HSIP), the goal is to reduce the fatality rate by 5.39 percent each year from 1.211 (2014-2018 average) to 1.084 (2016-2020 average) by December 31, 2020.
3. For the 2020 Highway Safety Improvement Plan (HSIP), the goal is to reduce total serious injuries by 8.54 percent each year from 3,362.6 (2014-2018 average) to 2,812.8 (2016-2020 average) by December 31, 2020.

4. For the 2020 Highway Safety Improvement Plan (HSIP), the goal is to reduce the serious injury rate by 7.64 percent each year from 2.886 (2014-2018 average) to 2.462 (2016-2020 average) by December 31, 2020.
5. For the 2020 Highway Safety Improvement Plan (HSIP), the goal is to reduce the total non-motorized fatalities and serious injuries by 7.13 percent each year from 494.6 (2014-2018 average) to 426.6 (2016-2020 average) by December 31, 2020.

NOW THEREFORE, also be it resolved that by approval of this resolution an amendment is hereby made to the Cape Fear 2040 Metropolitan Transportation Plan adopted on November 18, 2015 by the Board of the Wilmington Urban Area Metropolitan Planning Organization.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on November 20, 2019.

David Piepmeyer, Chair

Mike Kozlosky, Secretary



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MEMORANDUM

TO: TCC/Board members

FROM: Mike Kozlosky, Executive Director

DATE: October 30, 2019

SUBJECT: Wilmington Urban Area MPO Proposed 2020 Meeting Schedule

Technical Coordinating Committee	Board
January 15	January 29
February 12	February 26
March 11	March 25
April 15	April 29
May 13	May 27
June 10	June 24
July 15	July 29
August 12	August 26
September 16	September 30
October 14	October 28
November 11	November 18
December –no meeting scheduled	December –no meeting scheduled

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

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

Wilmington Urban Area Metropolitan Planning Organization

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

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
BOARD**

**RESOLUTION ADOPTING THE 2020 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 2020 meeting calendar.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on November 20, 2019.

David Piepmeyer, Chair

Mike Kozlosky, Secretary

Proposed Amendments to 2018-2027 and 2020-2029 STIP/MPO TIP Programs

STIP/MPO TIP Amendment 19-6 (November 2019)

* Y-5803 BRUNSWICK VARIOUS, TRAFFIC SEPARATION STUDY
DUPLIN NEW IMPLEMENTATION AND CLOSURES IN DIVISION 3.
HANOVER ONSLOW **PROJECT ADDED AT REQUEST OF RAIL DIVISION:**
PENDER SAMPSON **INDIVIDUAL PROJECTS AND FUNDING TO BE**
PROJ.CATEGORY **REQUESTED IN THE FUTURE AS NEEDED.**
DIVISION

* Z-5803 BRUNSWICK VARIOUS, HIGHWAY-RAIL GRADE CROSSING SAFETY
DUPLIN NEW IMPROVEMENTS IN DIVISION 3.
HANOVER ONSLOW **PROJECT ADDED AT REQUEST OF RAIL DIVISION:**
PENDER SAMPSON **INDIVIDUAL PROJECTS AND FUNDING TO BE**
PROJ.CATEGORY **REQUESTED IN THE FUTURE AS NEEDED**
DIVISION

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION BICYCLE AND PEDESTRIAN ADVISORY COMMITTEE BYLAWS

(DRAFT Revised ~~9/17/15~~11/20/19)

ARTICLE I: CREATION; NAME; NUMBER OF MEMBERS

There is hereby created a committee composed of members, each appointed by one member of the Wilmington Urban Area Metropolitan Planning Organization (WMPO) ~~Transportation Advisory Committee (TAC) Board~~; ~~with one appointment made by each also from the~~ Chancellor of the University of North Carolina at Wilmington; ~~and one appointment made from an organization representing regional bicycling interests by~~ the Chair of the Wilmington Urban Area Metropolitan Planning Organization Bicycle and Pedestrian Advisory Committee; ~~and a representative of NCDOT Division 3 appointed by the Division Engineer~~. The WMPO will also appoint the Secretary and the Transportation Demand Manager (TDM) Coordinator, both as voting members. This committee shall be known as the Wilmington Metropolitan Bicycle and Pedestrian Advisory Committee D/B/A WMPO BikePed Committee.

ARTICLE II: COMMITTEE; DUTIES AND RESPONSIBILITIES

The Committee shall advise the ~~TAC Board~~ regarding bicycle and pedestrian programs, projects, policies and safety.

The Committee shall assume the following roles:

1. Promote the safe use of bicycling and walking for transportation, fitness and recreation in various ways such as promotional events & other media.
2. Provide recommendations on policies that affect the development of bicycle and pedestrian facilities in the communities.
3. Provide recommendations on plans that affect the development of bicycle and pedestrian facilities in the communities.
4. Contribute to the development of the Long Range Transportation Plan.

Through their roles, the Committee shall seek to promote the following: 1) the development of bicycle and pedestrian education programs for youth and adults, 2) the enforcement of traffic laws for all roadway users, 3) the use of bicycling and walking for transportation, fitness, and recreation, 4) the effective prioritization and development of safe bicycle and pedestrian facilities in our region, 5) projects, plans, programs, and ideas that will promote a safer environment for bicycling and walking in the WMPO planning area.

ARTICLE III: APPOINTMENTS OF COMMITTEE

Section 1. Composition: The membership should have representation from a wide cross-section of the regional population.

Section 2. Appointments: One appointment will be made by each ~~TAC Board~~ member. One appointment shall also be made representing the University of North Carolina at Wilmington (UNCW) appointed by the Chancellor of UNCW. One appointment shall also be made from an

organization representing regional bicycling interests appointed by the Chair of the WMPO Bicycle and Pedestrian Advisory Committee. One appointment shall also be made from the NCDOT Division 3 Division Engineer. Committee members will serve concurrently with their appointing member. Two staff members from the WMPO shall also serve as voting members, one as Secretary and one as TDM Coordinator.

ARTICLE IV: MEETINGS

Committee meetings shall be held on a bi-monthly basis unless determined otherwise by the Committee. The Chair of the Committee or, in his absence, the Vice-Chair, may call a special meeting of the Committee at any time by giving each member 24-hour notice. Special meetings will be scheduled upon request by a majority of the Committee members. A quorum of the Committee shall be in attendance before action of an official nature can be taken. A quorum consists of 51% of active members, as defined in Article V. As deemed necessary and requested by the Executive Committee, the Committee may vote on items electronically. Items that are voted on through electronic mail shall be reported upon at the next scheduled Committee meeting and be noted in the official minutes.

ARTICLE V: ATTENDANCE OF MEMBERS

A member of the Committee who misses four consecutive regular meetings loses his active status and is no longer eligible to vote. The Secretary of the Committee will notify the respective TAC-Board member that he must reappoint a new member to serve on the Committee. Absences due to sickness, death, or other emergencies of like nature shall be regarded as approved absences and shall not affect the member's status on the Committee except that in the event of a long illness, or other such cause for prolonged absence, the member may be replaced. Should a Committee member be unable to make a meeting, he or she may appoint an alternate to vote in their place and to contribute to quorum. The designation of an alternate must occur in writing through an email to the Executive Committee in advance of a scheduled Committee meeting. The designation of an alternate does not contribute towards the active status of a Committee member.

ARTICLE VI: COMPENSATION

Committee members shall serve without monetary compensation.

ARTICLE VII: OFFICERS

There shall be a Chair and Vice-Chair of the Committee. An annual election of the Chair and Vice-Chair shall be held by the Committee members and shall occur at the regular monthly meeting in November. The Chair and Vice-Chair shall serve for one year with the eligibility for re-election. A new Chair or Vice-Chair shall take office at the subsequent regular meeting in January. In the event a Chair's and Vice-Chair's appointment to the Committee is terminated, a replacement to this office shall be elected by the Committee, from its membership, at the meeting following the termination.

ARTICLE VIII: OFFICERS DUTIES

The Committee Chair shall preside at all meetings and sign all documents relative to action taken by the Committee. The Chair shall appoint all subcommittees including a nominating committee if necessary composed of three committee members.

When the Chair is absent, the Vice-Chair shall perform the duties of the Chair. When both the Chair and Vice-Chair are absent, the Secretary shall perform the duties of the Chair.

The Secretary shall e-mail all official reports and the official minutes of all regular and special meetings to all Committee members prior to the next scheduled meeting.

Robert's Rules of Order, Newly Revised, shall govern the committee's actions.

ARTICLE IX: COMMITTEES

Section 1. The Executive Committee shall consist of the Chair, Vice-Chair, and Secretary. The Executive Committee shall approve the meeting agendas and the annual work plan.

Section 2. Sub-committees may be appointed by the Chairperson as necessary. Subcommittees are responsible to report back to the WMPO BikePed Committee at each meeting and before taking significant action.

ARTICLE X: AMENDMENTS

The bylaws may be amended or repealed and new bylaws adopted by the affirmative vote of two-thirds of the total membership of the committee at any regular or special meeting of the group, with subsequent approval by the ~~TAC~~Board.

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
BOARD**

**RESOLUTION AMENDING THE BYLAWS OF THE WILMINGTON URBAN AREA
METROPOLITAN PLANNING ORGANIZATION'S BICYCLE AND PEDESTRIAN
COMMITTEE**

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 Bylaws serve as the written rules of conduct for the Wilmington Urban Area Metropolitan Planning Organization Bicycle and Pedestrian Committee; and

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization has identified a need to amend these Bylaws to add an appointment to the Committee by the North Carolina Department of Transportation's Division 3 Division Engineer, change the meeting schedule, and change the name of the Transportation Advisory Committee to the MPO Board.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby adopts the amended Wilmington Urban Area Metropolitan Planning Organization's Bicycle and Pedestrian Committee Bylaws.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on November 20, 2019.

David Piepmeyer, Chair

Mike Kozlosky, Secretary



Resolution R19-088

Introduced By: Gary Vidmar

Date: October 17, 2019

Resolution Authorizing the Town of Leland to Contribute Additional Matching Funds for the Town of Leland's FY2013 Surface Transportation Block Grant Direct Attributable Project U-5534D which is the Old Fayetteville Road Multi-Use Path

WHEREAS, in 2013 the Town of Leland was awarded federal funds from the Surface Transportation Direct Attributable ("STP-DA") program for the design, permitting, and construction of the U-5534D Old Fayetteville Road Multi-Use Path project ("Project"); and

WHEREAS, on September 9, 2014 the Town of Leland entered into an agreement with the North Carolina Department of Transportation ("NCDOT") to receive federal funding from the STP-DA program in the amount of \$190,000 for the design, permitting, and construction of the Project with the Town committing to an equal matching amount of \$190,000 to pay for the \$380,000 total estimated cost of the Project; and

WHEREAS, the Town of Leland executed an initial supplemental agreement with NCDOT dated September 16, 2015 for the Project to receive an additional \$163,000 in STP-DA federal funds to pay additional costs for the Project which increased the total estimated project cost to \$543,000 with no additional matching amount to be paid by the Town; and

WHEREAS, the Town of Leland executed a second supplemental agreement with NCDOT dated January 11, 2018 for the Project to receive an additional \$1,456,260 in STBG-DA federal funds to pay for additional construction costs, which increased the total estimated project cost to \$2,261,575, with a Town match amount of twenty-percent (20%) equal to \$452,315; and

WHEREAS, the Town of Leland executed a third supplemental agreement with NCDOT dated March 28, 2019 to extend the completion date of the Project from September 24, 2018 to July 1, 2020; and

WHEREAS, due to costs associated with increased cost of labor and material and changes that have been made to the Project, the total estimated project cost has increased to \$2,908,422; and

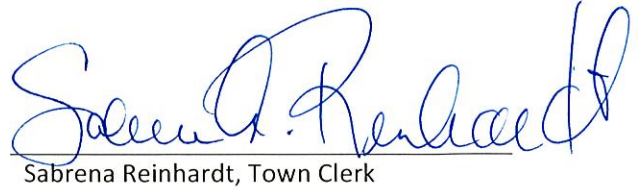
WHEREAS, the Town of Leland is willing to increase its matching amount to \$581,684, which is twenty-percent (20%) of the aforementioned revised total estimated project cost.

Therefore, Be It Resolved:

That the Town of Leland agrees to provide a 20% match of the total estimated funds needed for the design and construction of the STBG-DA U-5534D project in the amount of \$581,584.

Adopted by Town Council on this 17th day of October, 2019.


Brenda Bozeman, Mayor


Sabrena Reinhardt, Town Clerk



**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
BOARD**

**RESOLUTION SUPPORTING THE ALLOCATION OF ADDITIONAL DIRECT ATTRIBUTABLE FUNDS
TO THE TOWN OF LELAND FOR THE OLD FAYETTEVILLE ROAD MULTI-USE PATH PROJECT (U-
5534D)**

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

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

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

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

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization's Board allocated FY 2013 STP-DA funds to the Old Fayetteville Road Multi-use path from the corner of the Town of Leland's Town Hall campus to the driveway of the North Brunswick High School; and

WHEREAS, the Town executed the original agreement with NCDOT in July of 2013 for \$190,000 in STP-DA, supplemental agreement number 1 in September 2015 for an additional \$163,000 in STP-DA funds, supplemental agreement number 2 in January 2018 for an additional \$1,456,260 in STP-DA funds, and supplemental agreement number 3 in March 2019 for a time extension to July 1, 2020; and

WHEREAS, additional utility conflicts have been identified and now the project's total estimated cost is \$2,908,422; and

WHEREAS, the Town of Leland has requested an additional \$517,477 in funds from the Wilmington Urban Area Metropolitan Planning Organization and has confirmed their willingness to provide a total of \$581,684 to this project.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby supports the allocation of additional Direct Attributable funding in the amount of \$517,477 to the Town of Leland for the Old Fayetteville Road Multi-use path project.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on November 20, 2019.

David Piepmeyer, Chair

Mike Kozlosky, Secretary



Resolution R19-089

Introduced By: Gary Vidmar

Date: October 17, 2019

Resolution Authorizing the Town of Leland to Contribute Additional Matching Funds for the Town of Leland's FY2014 Surface Transportation Block Grant Direct Attributable Project U-5534I which is the Village Road Multi-Use Path

WHEREAS, in 2014 the Town of Leland was awarded federal funds from the Surface Transportation Direct Attributable ("STP-DA") program for the design, permitting, and construction of the U-5534I Village Road Multi-Use Path project ("Project"); and

WHEREAS, the Town of Leland entered into an agreement with the North Carolina Department of Transportation ("NCDOT") on March 13, 2014 to receive federal funding from the STP-DA program in the amount of \$97,914 for the design, permitting, and construction of the Project with the Town committing to a 30% matching amount of \$41,963 to pay for the \$139,877 total estimated cost of the Project; and

WHEREAS, the Town of Leland executed an initial supplemental agreement with NCDOT dated October 26, 2016 for the Project to extend the project completion date to July 1, 2019; and

WHEREAS, the Town of Leland executed a second supplemental agreement with NCDOT dated January 28, 2019 for the Project to extend the project completion date to July 1, 2020; and

WHEREAS, due to additional costs associated with labor and material and changes that have been made to the Project, the total estimated project cost has increased to \$159,270; and

WHEREAS, the Town of Leland is willing to increase its matching amount to \$47,781 which is thirty-percent (30%) of the aforementioned revised total estimated project cost.

Therefore, Be It Resolved:

That the Town of Leland agrees to provide a 30% match of the total estimated funds needed for the design and construction of the STBG-DA U-5534I project for an amount of \$47,781.

Adopted by Town Council on this 17th day of October, 2019.


Brenda Bozeman, Mayor




Sabrina Reinhardt, Town Clerk

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
BOARD**

**RESOLUTION SUPPORTING THE ALLOCATION OF ADDITIONAL DIRECT ATTRIBUTABLE FUNDS
TO THE TOWN OF LELAND FOR THE VILLAGE ROAD MULTI-USE PATH PROJECT(U-5534I)**

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

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

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

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

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization's Board allocated FY 2014 STP-DA funds to the Village Road Multi-use path from the Brunswick Center at Leland to the edge of the First Baptist church property before the Sturgeon Creek Bridge; and

WHEREAS, the Town executed the original agreement with NCDOT in March 2014 for \$97,914 in STP-DA funds, supplemental agreement number 1 in October 2016 for a time extension to July 1, 2019, and supplemental agreement number 2 in January 2019 for an additional time extension to July 1, 2020; and

WHEREAS, additional costs associated with labor and materials as well as changes made to the design have increased the total estimated cost to \$159,270; and

WHEREAS, the Town has requested an additional \$13,575 in funds from the Wilmington Urban Area Metropolitan Planning Organization and has confirmed their willingness to provide a total of \$47,781 to this project.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby supports the allocation of additional Direct Attributable funding in the amount of \$159,270 to the Town of Leland for the Village Road Multi-use path project.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on November 20, 2019.

David Piepmeyer, Chair

Mike Kozlosky, Secretary



Resolution R19-090

Introduced By: Gary Vidmar

Date: October 17, 2019

**Resolution Authorizing the Town of Leland to Contribute Additional Matching Funds
for the Town of Leland's FY2014 Surface Transportation Block Grant Direct
Attributable Project U-5534J which is the Town Hall Drive/Village Road/Old
Fayetteville Road Pedestrian Loop**

WHEREAS, in 2014 the Town of Leland was awarded federal funds from the Surface Transportation Direct Attributable ("STP-DA") program for the design, permitting, and construction of the U-5534J Village Road Multi-Use Path project ("Project"); and

WHEREAS, the Town of Leland entered into an agreement with the North Carolina Department of Transportation ("NCDOT") on March 13, 2014 to receive federal funding from the STP-DA program in the amount of \$193,427 for the design, permitting, and construction of the Project with the Town committing to a 30% matching amount of \$82,897 to pay for the \$276,324 total estimated cost of the Project; and

WHEREAS, the Town of Leland executed an initial supplemental agreement with NCDOT dated October 26, 2016 for the Project to extend the project completion date to July 1, 2019; and

WHEREAS, the Town of Leland executed a second supplemental agreement with NCDOT dated January 28, 2019 for the Project to extend the project completion date to July 1, 2020; and

WHEREAS, due to costs associated with the increased cost of labor and material and changes that have been made to the Project, the total estimated project cost has increased to \$516,429; and

WHEREAS, the Town of Leland is willing to increase its matching amount to \$154,928, which is thirty-percent (30%) of the aforementioned revised total estimated project cost.

Therefore, Be It Resolved:

That the Town of Leland agrees to provide a 30% match of the total estimated funds needed for the design and construction of the STBG-DA U-5534J project for an amount of \$154,928.

Adopted by Town Council on this 17th day of October, 2019.


Brenda Bozeman, Mayor




Brenda Reinhardt, Town Clerk

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
BOARD**

**RESOLUTION SUPPORTING THE ALLOCATION OF ADDITIONAL DIRECT ATTRIBUTABLE FUNDS
TO THE TOWN OF LELAND FOR THE TOWN HALL DRIVE/VILLAGE ROAD/OLD FAYETTEVILLE
ROAD PEDESTRIAN LOOP (U-5534J)**

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

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

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

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

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization's Board allocated FY 2014 STP-DA funds to the Town Hall Drive/Village Road/Old Fayetteville Road Pedestrian Loop project for the construction of sidewalk along Village Road from Town Hall Drive across the apartment complex and along Town Hall Drive from Village Road NE to the sidewalk that exists by the Town Hall and along Old Fayetteville Road from the existing sidewalk in front of the apartment complex to Village Road NE.; and

WHEREAS, the Town executed the original agreement with NCDOT in March 2014 for \$193,427, supplemental agreement number 1 in October 2016 for a time extension to July 1, 2019, supplemental agreement number 2 in January 2019 for an additional time extension to July 1, 2020; and

WHEREAS, additional costs associated with labor and materials as well as changes made to the design have increased the total estimated cost to \$516,429; and

WHEREAS, the Town of Leland has requested an additional \$168,074 in funds from the Wilmington Urban Area Metropolitan Planning Organization and has confirmed their willingness to provide a total of \$154,928 to this project.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby supports the allocation of additional Direct Attributable funding in the amount of \$168,074 to the Town of Leland for the Town Hall Drive/Village Road/Old Fayetteville Road Pedestrian Loop project.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on November 20, 2019.

David Piepmeyer, Chair

Mike Kozlosky, Secretary

US 17 S at Market St



What it will look like...



What it will look like...



Google

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
BOARD**

**RESOLUTION SUPPORTING THE INSTALLATION OF AN ADDITIONAL
SOUTHBOUND EXIT LANE ON US 17 ONTO MARKET STREET IN PORTERS NECK**

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 safe and efficient movement of traffic is a key element of public safety for residents and visitors; and

WHEREAS, the North Carolina Department of Transportation has identified a high impact/low cost roadway project to provide an additional southbound exit lane on US 17 onto Market Street in Porters Neck; and

WHEREAS, the cost of the improvement, estimated at \$400,000, is to be funded by the State of North Carolina; and

WHEREAS, the proposed improvement is an important element to improving traffic mobility at the proposed location.

NOW THEREFORE, be it resolved by the Board of the Wilmington Urban Area Metropolitan Planning Organization's hereby supports the installation of the proposed additional exit lane at US 17/Market Street interchange at an estimated cost of \$400,000 to be funded by the State of North Carolina.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on November 20, 2019.

David Piepmeyer, Chair

Mike Kozlosky, Secretary



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MEMORANDUM

To: WMPO Board
From: Abby Lorenzo, Senior Transportation Planner
Date: November 12, 2019
Subject: Alternative Funding Options

The WMPO's consultant, WSP, researched and provided to the CAC, TCC, and Board potential alternative funding sources for consideration. The Board selected seven potential alternative funding sources for further research and forecasting. These sources and their associated forecasted funding are listed in the table below.

Tax / Fee	2020 dollars (million)			
	Total	New Hanover	Brunswick	Pender
Quarter Cent Tax on Sales	612	494	69	49
Quarter Cent Tax on Sales (Transit Only)	612	494	69	49
Annual Driver's License Tax	25	20	3	2
Additional Driver's License Tax (Transit only)	25	20	3	2
Annual Vehicle Registration Fee	40	32	4	4
Vehicle Rental Tax	29	29	0	0
Bicycle Registration Fee	7	6	1	1
Total	1350	1094	149	106
Percentage by county	100%	81%	11%	8%

Additionally, project specific alternative funding sources to be considered were tolling and bonds.

These initially considered alternative funding sources were reviewed by the Board at its September 25th meeting. Staff was tasked by the Board with presenting information about the considered alternative funding sources to the governing boards of each member jurisdiction. The purpose was to allow the governing boards the opportunity to provide feedback and guidance to their MPO Board member(s) as to which of the sources should be included within Cape Fear Moving Forward 2045. Based on discussions undertaken by the WMPO's member jurisdictions governing boards, staff has assembled three options to assist the Board in its final decision.

Option 1 – Include none of the alternative funding sources for fiscal consideration in Cape Fear Moving Forward 2045. No additional revenue would be applied to fiscally constraining additional projects.

Option 2 – Include all of the alternative funding sources for fiscal consideration in Cape Fear Moving Forward 2045. Based on the forecast provided by the plan's consultant, WSP, an additional \$1.35 billion over the 25-year life of the plan would be available to fiscally constrain additional projects broken down as the following:

- New Hanover County: \$514 million for additional roadway projects, \$575 million for additional public transportation projects, \$6 million for bicycle and pedestrian projects.
- Brunswick County: \$72 million for additional roadway projects, \$76 million for additional public transportation projects, \$1 million for bicycle and pedestrian projects.
- Pender County: \$51 million for additional roadway projects, \$55 million for additional public transportation projects, \$1 million for bicycle and pedestrian projects.

Additionally, funds generated by transportation bond initiatives similar to the City of Wilmington's 2014 transportation bond would be applied, and generated toll revenues for the Cape Fear Crossing would be considered.

Option 3 – Include the alternative funding sources of municipal bonds and tolling for fiscal consideration in Cape Fear Moving Forward 2045. Funds generated by municipal transportation bonds, similar to the City of Wilmington's 2014 transportation bond initiative, would be applied in interested jurisdictions. This revenue would occur on a 10-year cycle generating \$35 million for roadway projects and \$20 million for bicycle and pedestrian projects. Additionally, newly generated draft toll revenues for the Cape Fear Crossing (Alternative MA) are estimated at approximately \$158,670,000. Applied to the overall cost estimate of the project, this would allow for a portion to be considered fiscally constrained within the plan.

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
BOARD**

**RESOLUTION ENDORSING THE ALTERNATIVE FUNDING SOURCES IN CAPE
FEAR MOVING FORWARD 2045**

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, development and maintenance of a long-range transportation plan is a key federal requirement of all Metropolitan Planning Organizations (MPOs) designated by the Federal Highway Administration (FHWA); and

WHEREAS, on November 15, 2015 the Wilmington Urban Area Metropolitan Planning Organization's Board adopted the fiscally constrained Cape Fear Transportation 2040 Transportation Plan to satisfy FHWA requirements; and

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization is in the process of developing Cape Fear Moving Forward 2045 to meet the FHWA requirements for updating long-range transportation plans within five years of adoption of the last plan; and

WHEREAS, on September 25, 2019 the Wilmington Urban Area Metropolitan Planning Organization's Board adopted the fiscally constrained project lists for inclusion in Cape Fear Moving Forward 2045; and

WHEREAS, with the assistance of the consultant, WSP, potential alternative funding sources have been researched and presented to the Citizens Advisory Committee (CAC), the Technical Coordinating Committee (TCC) and the Board for consideration in order to potentially fiscally constrain additional regionally significant projects; and

WHEREAS, the Board, with consultation and advisement from the governing boards of the Wilmington Urban Area Metropolitan Planning Organization's member jurisdictions recommended further consideration and forecasting of alternative funding sources.

NOW THEREFORE, be it resolved by the Board of the Wilmington Urban Area Metropolitan Planning Organization's hereby endorses _____ as the alternative funding sources for fiscally constraining additional projects in Cape Fear Moving Forward 2045.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on November 20, 2019.

David Piepmeyer, Chair

Mike Kozlosky, Secretary

Proposed Revisions to 2018-2027 and 2020-2029 STIP/MPO TIP Programs

**STIP/MPO TIP Modification # 19-5
(November 2019)**

EB-6029 NEW HANOVER PROJ.CATEGORY DIVISION	CARENDON AVENUE, CONSTRUCT MULTI-USE PATH ALONG CLARENDON AVENUE FROM 4TH STREET TO SR 1573 (DOW ROAD). <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN BY THE MUNICIPALITY, DELAY CONSTRUCTION FROM FY 19 TO FY 20</u>	CONSTRUCTION	FY 2020 - (TADA) \$516,000 FY 2020 - (L) <u>\$129,000</u> \$645,000
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WILMINGTON URBAN AREA MPO
NOVEMBER 2019

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.

Next Steps:

- At the request of the WMPO Board, staff will be making presentations on potential alternative funding sources to the governing boards of its member jurisdictions in October in order to gain guidance and support on which sources should be supported and considered within the plan.
- Projects considered for potential funding by identified and Board supported alternative funding forecasts will be identified by staff and reviewed and approved by the CAC, TCC, and Board in November 2019.
- Release of Draft Plan to public anticipated for end of January 2020
- Adoption of final plan by November 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: 0 reviews
- New Hanover County Informal Plan Reviews: 2 reviews
- New Hanover Concept Reviews: 0 review
- Town of Leland Formal Reviews: 1 reviews
- Town of Leland Informal Reviews: 0 reviews
- Town of Navassa Formal Reviews: 0 reviews
- Town of Navassa Informal Reviews: 0 reviews
- Town of Navassa Concept Reviews: 0 reviews
- Town of Carolina Beach Formal Reviews: 0 reviews
- Town of Carolina Beach Informal Reviews: 0 reviews
- Brunswick County Formal Plan Reviews: 0 reviews

- Brunswick County Informal Plan Reviews: 0 reviews
- TIA Reviews: 18 total (New Hanover County 4, City of Wilmington 10, Carolina Beach 0, Leland 1, Navassa 0, and Pender County 2, Brunswick County 1) ; new 3 and ongoing 15
- Pender County Development Plan Reviews: 0 reviews
- Pender County Informal Plan Reviews: 0 reviews
- Pender County Concept Reviews: 0 reviews
- City of Wilmington Formal Reviews: 55 (8 new, 47 on-going)
- City of Wilmington Informal Reviews: 33 (6 new, 27 on-going)
- City of Wilmington Concept Reviews: 8 (6 new concept reviews- 2 on-going concept)
- COW Project Releases: 10 Full releases

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– Fall 2019
- NCDOT final design approval and City to request Construction Funds Authorization – Winter 2019
- Begin Construction – Summer 2020
- Complete Construction – Summer 2021

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:

- ROW certification has been issued
- Construction funds have been requested for release
- Updated PCE approved on December 4, 2018
- Davenport identified potential utility conflicts; The Town has authorized Level A – S.U.E. services to be performed to verify where conflicts exist; AECOM will revise plans to reflect any utility relocations that must be done; revised plans must then be approved by NCDOT.
- S.U.E. information has been sent to AECOM for revisions.
- Supplemental Agreement #3 dated March 28, 2019 extends project completion deadline to July 1, 2020.
- Bid and award timeline will depend upon Davenport's findings from SUE; prefer to bid this and projects U-5534I, J and K at the same time.
- Engineer is revising the plans to reflect utility relocations and will resubmit for NCDOT approval

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 8/20/19
- Specification comments received 9/24/19; still need Utility/RR cert, CE Consult and construction estimate approval
- Begin Construction – Spring 2020
- Complete Construction – Fall 2020

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

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

Project Status and Next Steps:

- Complete final design package and submit to NCDOT for review–Fall 2019
- Update/renew permits – Winter 2019
- NCDOT final design approval – Winter 2019
- Right of way acquisition complete – Summer 2020
- Begin Construction – Spring 2021
- Complete Construction – Spring 2022

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

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

Project Status and Next Steps:

- Complete final design package and submit to NCDOT for review– Fall 2019
- Update/renew permits – Winter 2019
- NCDOT final design approval – Winter 2019
- Right of way acquisition complete – Summer 2020
- Begin Construction – Spring 2021
- Complete Construction – Spring 2022

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:

- Right of way acquisition underway
- Right of way Certification- TBD
- Encroachment agreement needed once right-of-way finalized
- Let date will be delayed to match up with “J” project
- Revised 100% plans and specs sent to DOT for final review
- Town to request additional funding from MPO in November

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:

- Right of way acquisition underway
- Right of way Certification- TBD
- Encroachment agreement needed once right-of-way finalized
- Let date will be delayed to match up with “J” project
- Revised 100% plans and specs sent to DOT for final review
- Town to request additional funding from MPO in November

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:

- Right of way acquisition underway
- Right of way Certification- TBD
- Encroachment agreement needed once right-of-way finalized
- Let date will be delayed to match up with “J” project
- Revised 100% plans and specs sent to DOT for final review
- Town to request additional funding from MPO in November

U-5534N –CITY OF WILMINGTON- SHIPYARD BOULEVARD SIDEWALK

Project Description/Scope: The construction of a sidewalk and bus pull-out along Shipyard Boulevard between Vance Street and Rutledge Drive. This will be a partnership between the City of Wilmington, Cape Fear Public Transportation Authority and Wilmington MPO.

Project Status and Next Steps:

- Construction to begin October 14, 2019

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:

- The project has been put on hold until NCDOT’s College Road resurfacing project occurs, supplementary survey complete and forwarded to NCDOT to resolve shallow drainage on west side of College, NCDOT milling and resurfacing on hold pending funding availability .

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

Project Descriptions/Scope: The construction of sidewalks along Coral Drive will install approximately 954 linear feet of 5 foot wide sidewalk on Coral Drive adjacent to Wrightsville Beach Elementary. The Town hired SEPI to complete the design.

Project Status and Next Steps:

- The Town is working on acquiring the easements
- Plans and PCE have been approved. The contract documents have been resubmitted for approval.
- Anticipated Let Date: Winter 2020

U-5534T –CITY OF WILMINGTON- TRAFFIC SIGNAL PREEMPTION

Project Description/Scope: This project will install traffic pre-emption equipment at 27 locations throughout the City of Wilmington and GPS devices on fire apparatus.

Project Status and Next Steps:

- Bid opening was held on August 15, 2019.
- Concurrence of Award has been received
- City staff working to execute contracts and set up preconstruction meeting

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:

- A design kickoff meeting was held on August 27, 2019
- Right-of-Way funding request is anticipated in May 2020
- Construction Funding is anticipated in FY2021

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 is working on request for PE funds and Letter of Interest

U-6235 – CITY OF WILMINGTON – TRAFFIC SIGNAL PREEMPTION PHASE 2

Project Description/Scope: This project will install traffic pre-emption equipment at 50 locations throughout the City of Wilmington and New Hanover County and GPS devices on fire apparatus.

Project Status and Next Steps:

- Agreement has been signed and will be sent to NCDOT for execution once agreement is executed between City and County.

U-6234 Multimodal 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:

- Agreement has been placed on the November BOT agenda for execution
- RFLOI to be sent as soon as agreement is executed.

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:

- City is in the process of routing Agreement. Waiting amended agreement from NHRMC

U-6236 – Wrightsville Beach – West Salisbury Street Streetscape

Project Description/Scope: Streetscape of West Salisbury for approximately a .17-mile section from the east side of the Banks Channel waterway bridge through the North Lumina Avenue/West Salisbury Street intersection. This project includes sidewalk widening, revised parking spaces, ADA ramps and visible, signalized crosswalks, sharrows, additional pavement markings and bicycle racks.

Project Status and Next Steps:

- Signed agreement has been sent to NCDOT for execution

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-5527B CITY OF WILMINGTON – 5th AVE INTERSECTION UPGRADES

Project Descriptions/Scope: This project is for the construction of high visibility crosswalks, curb ramps, and pedestrian activated signals on 5th Ave at the Dawson Street and Wooster Street intersections.

Project Status and Next Steps:

- City Council awarded the contract on February 4, 2019. The City is currently working on executing the contract.
- Contractor has been notified that additional funds have been received for overall contract.
- City staff working to set up preconstruction meeting

U-5527C NEW HANOVER COUNTY – MIDDLE SOUND GREENWAY – EXTENSION TO MIDDLE SOUND VILLAGE

Project Descriptions/Scope: This project is for the construction of a multi-use path along Middle Sound Loop Road from Oyster Lane to the Middle Sound Village property line.

Project Status and Next Steps:

- R/W Certification received July 1, 2019
- Utility/RR Cert & Engineers estimate submitted September 17, 2019
- Specifications and final plan comments being addressed
- Anticipated construction bid January 2020

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

Project Description: The project consists of the construction of a multi-use path of twelve feet (12') 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 is working on request for PE funds and Letter of Interest

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:

- The agreements have been signed
- PE funds have been authorized
- SEPI has been submitted in EBS as the selected firm

EB-6028 —CITY OF WILMINGTON- 21st Street/Market HAWK SIGNAL

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

Project Status and Next Steps:

- NCDOT agreements were approved on at the July 16th City Council meeting
- Staff is working to provide the necessary information to utilize the on-call CEI and requested PE authorization

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 agreement has been executed
- Plans have been approved by NCDOT.
- The Town is working on construction documents, permits, PCE. Right of Way certification completed/waived.

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. **Be A Looker Campaign**
 - a. Details to come in an official campaign report
2. **Bike Share**
 - a. Cancelled agreement with Zagster and City of Wilmington due to Zagster’s inability to secure title sponsors to fund a bike share program.
3. **New Go Coast Website**
 - a. New website is live www.GoCoastNC.org
4. **Social Media**
 - a. Posting at least three times per week
5. **Share the Ride NC**
 - a. NCDOT re-selected Ride Shark to host the Share The Ride NC platform. TDM Coordinators across the state will be trained on the updated features in late October 2019.
6. **Scooters**
 - a. Waiting on the NC General Assembly to pass bill 553 which defines an electric scooter and will help determine where scooters can be ridden.
7. **Writing a model ordinance for regulation of electric bicycles**
 - a. Working with the WMPO Bicycle Pedestrian Advisory Committee to create this model ordinance by December 2019
8. **Completed TDM portion of the Metropolitan Transportation Plan**
 - a. Developing a short range plan from the strategies in the MTP
9. **Go Coast Commuter Challenge 2019 took place October 16-31**
10. **Next Go Coast Committee Meeting November 21st at 3pm at 305 Chestnut Street**



Cape Fear Public Transportation Authority

Project Update

November 2019

REGIONAL AUTHORITY PROJECTS

1. **Bus fleet replacement** - FTA funding in the amount of \$3.6M for nine replacement buses was awarded to the Authority from a nationwide discretionary grant in April 2018. Seven buses were ordered June 29, 2018. Four buses were delivered in June 2019 and three were delivered in September 2019. All seven vehicles have been delivered and placed into revenue service. Bus fleet project is complete.

On February 28, 2019 the Authority authorized \$879,692 for the purchase of two trolley replica buses to serve the Downtown Trolley Route. Production has been delayed by the engine manufacturer. An assembly line inspection was undertaken in October 2019 and both vehicles were on the production line. Vehicle delivery is expected in November 2019.

The Authority awarded a contract for four CNG shuttle buses to Palmetto Bus on March 28, 2019. Delivery is expected in fall 2019.

Five paratransit vehicles, ordered in 2018, were delivered in April 2019 and have been placed into revenue service. Paratransit vehicle project is complete.

Additional funding for four buses will be requested from the VW mitigation settlement phase one. An RFP for funding was issued by NC DAQ on June 17, 2019. The application for funding was released on July 01, 2019. An application for four (4) CNG buses was submitted in response to the RFP. Funded projects are expected to be announced before the end of calendar year 2019.

2. **Short Range Transportation Plan** - (no change) following adoption of Cape Fear Transportation 2040 by the Wilmington Metropolitan Planning Organization (WMPO), Wave Transit is completing its latest short range plan. The plan will set a course for public transportation initiatives, route structure, and revenue programming for the next five years. The plan will also include a financial element to ensure that transit programs are compliant with FTA rules and regulations.

Under the direction of the Authority's Operations and Planning Committee made up of funding partners, Board members, staff, WMPO board members, WMPO staff, passengers, interested citizens, and professional transit planning consultants, the plan is an important tool in identifying and quantifying the public transportation needs of the community. Marketing, public relations, and community support for financing transit in Southeastern North Carolina will also be a focus of the plan. A key component of the plan will be extensive surveying and data collection to assess the needs of current and prospective passengers. Nelson Nygaard is the principal consultant leading the project. Data collection has begun and is being analyzed. Over fifteen agencies are assisting Wave Transit as stakeholders in the planning effort. The stakeholder committee has been identified and held their multiple meeting. The SRTP was adopted by the Authority Board in 2018 and is available at the following URL:

<https://www.wavetransit.com/short-range-transit-plan/>.

A resolution supporting the revenue neutral recommendations of the plan was adopted on August 22, 2019. Changes will be made in conjunction with the opening of the WMMTC in late of 2019.

3. **Long Term Funding** - currently the Authority does not have a dedicated source of local funding. A consultant led study to evaluate the governing model and long term funding for transit in the region has been commissioned by the City of Wilmington and New Hanover County. TransPro Consulting has presented its findings to the Wilmington City Council and the New Hanover County Board of Commissioners. One of the recommendations from the study was implementation of a dedicated source of funding for the Cape Fear Public Transportation Authority.

On March 28, 2019 the Authority Board unanimously adopted a resolution requesting the New Hanover County Commissioners implement a countywide vehicle registration fee pursuant to NCGS Chapter 105 Article 52 with the proceeds benefiting public transportation in New Hanover County. Local funding for Wave Transit is at a critical stage and an immediate response is required to avoid significant service reductions.

WMPO SPONSORED PROJECTS

1. **Wilmington Multimodal Transportation Center** - An Interlocal Agreement between Authority, City of Wilmington, WMPO, and NCDOT has been executed. Demolition of the U-Haul building is complete. Thanks to generous support from the WMPO, STP-DA funding in the amount of \$2,400,000 has been flexed by FHWA to FTA for the project and a formal grant with FTA has approved. On June 27, 2018 the WMPO awarded up to \$1,700,000 in additional STBGP-DA funding to complete the project. The flex process to convert the funds from FHWA to FTA was initiated on July 30, 2018.

Phase 1 consisting of hazardous materials abatement and demolition is complete.

Phase 2 consisting of building stabilization is complete.

Phase 3 consisting of renovation construction was let for bidding on February 14, 2018.

Phase 3A (final phase) consisting of sitework was authorized on April 25, 2019.

Renovation construction of the Neuwirth Building began on December 03, 2018. The project is 98% complete and substantial completion is contracted by November 18, 2019. The Authority is preparing for a January 2020 dedication and facility opening.

2. **Wilmington Multimodal Transportation Center**

On August 07, 2019, the WMPO authorized \$500,000 in STBGP-DA funding for capitalized preventive maintenance and Americans with Disabilities Act compliance funding for FY 2020. In October 2019, the Authority provided 1,826 ADA passenger trips with the allocated funding. Preventive maintenance activities were undertaken in accordance with the appropriated funding.

Projects in Development									
Project Manager		TIP	PO	Description	County	Revised ROW	Delay (Years)		Delay (Years)
							From Draft ROW	Revised LET	from Draft CON
Eric Murray	W-5601DH	WMPO	3rd St and Dock St Intersection		New Hanover	IP		2020	
Mike Bass	U-5710A	WMPO	US 74 (Eastwood Road)- construct roadway on new location between US 17 (Military Cutoff Road) & US 74 (Eastwood Road)		New Hanover	IP		2020	
Derek Pielech	B-4590	WMPO	Replace Bridge 29 on Cornelius Harnett Dr/Castle Hayne Rd over Smith Creek		New Hanover	IP		2020	
Eric Murray	U-5914	WMPO	Widen NC 133 from US 17/74/76 to Old River Rd		Brunswick	IP		2020	
Mary Kimmel	I-5760A	WMPO	I-140 from I-40 to US 421 (OGFC)		New Hanover			2020	
Trace Howell	R-3300B	/MPO/CFRP Hampstead Bypass			Pender	IP		2021	
Eric Murray	W-5703C	WMPO	Monkey Junction Pedestrian Improvements		New Hanover	TBD		2021	
Krista Kimmel	U-5926	WMPO	New Route from 23rd St to 26th St		New Hanover	2020		2022	
TBD	W-5703R	WMPO	NC 132 (South College Rd) and Braggs Drive turn lanes		New Hanover	2022		2022	
Trace Howell	R-3300A	WMPO	Hampstead Bypass (US 17 from Military Cutoff Rd to NC 210)		Pender	IP		2023	2
Brian Harding	U-5729	WMPO	US 421 Carolina Beach Rd Median with intersection improvement at Shipyard and US 421		New Hanover	IP		2023	
Mike Bass	U-5710	WMPO	US 74 (Eastwood Rd) at US 17 (Military Cutoff Rd)		New Hanover	IP		2023	1
Krista Kimmel	U-3338C	WMPO	Kerr Ave Interchange at MLK		New Hanover	IP		2023	3
Brian Harding	U-5863	WMPO	NC 133 - Castle Hayne Rd from I-140 to Division Dr		New Hanover	2021		2024	
Trace Howell	U-5790	WMPO	Monkey Junction Interchange		New Hanover	2022		2024	
Brian Harding	U-5731	WMPO	US 74 at US 17/US 421 Flyover		New Hanover	2020		2024	1
Krista Kimmel	U-4902C	WMPO	US 17 Bus - Market St Median & Interchange		New Hanover	IP		2024	4
Brian Harding	U-5954	WMPO	NC 133 at 23rd St Roundabout		New Hanover	2022		2024	
Krista Kimmel	U-4902B	WMPO	US 17 Bus - Market St Median - Railroad to MLK		New Hanover	IP		2025	
Krista Kimmel	U-4434	WMPO	Independence Boulevard Extension		New Hanover	2022		2025	
					Brunswick, New				
Lydia	I-6038	WMPO	I-140 from US 421 to US74/US76 pavement rehab		Hanover	N/A		2026	
Lydia	I-6037	WMPO	I-140 from US 421 to I-40 pavement and bridge rehab		New Hanover	N/A		2026	
Trace Howell	U-5702A	WMPO	College Rd from New Centre to Shipyard		New Hanover	2023	1	2026	1
Trace Howell	U-5704	WMPO	US 17 (Oleander) at College		New Hanover	2023	1	2026	1
Trace Howell	U-5792	WMPO	MLK at College		New Hanover	2024	2	2026	2
Trace Howell	U-5732	WMPO/CFR US 17 Hampstead Median Project			Pender	IP		2027	4
None	U-6199	WMPO	Wilmington Citywide Signal System Upgrade		New Hanover	2025		2027	
Krista Kimmel	U-6201	WMPO	Kerr avenue Extension from Wrightsville Avenue to Oleander Dr		New Hanover	2025		2027	
Brian Harding	U-5734	WMPO	US 421 Front St Widening		New Hanover	2025	2	2028	3
Trace Howell	U-5881	WMPO	College Rd from Gordon Rd to New Centre		New Hanover	2025	3	2028	3
					Brunswick/New				
Krista Kimmel	U-4738A	WMPO	Cape Fear Crossing (US 17 to NC 133)		Hanover	2028		PY	

Project Manager			TIP		PO	Description	County	Revised ROW	Delay (Years) From Draft ROW	Revised LET	Delay (Years) from Draft CON
Krista Kimmel			U-4738B		WMPO	Cape Fear Crossing (NC 133 to US 421)	Brunswick/New Hanover	PY		PY	
Brian Harding			U-6128		WMPO	US 76 (Oleander Dr) and Greenville Loop Rd/Greenville Avenue Dual Lefts	New Hanover	2029		PY	
Trace Howell			U-5702B		WMPO	College Rd Access management improvement from Carolina Beach Rd to Shipyard Blvd	New Hanover	2025		PY	1
Brian Harding			U-6202		WMPO	Widen Gordon Rd to 4 lanes from US 17 Market St to I-40	New Hanover	2025		PY	

Project is on hold	
Exception Granted	

Date Completed:
PO:
Contact:

10/25/2019
WMPO
Caitlin Marks
cmmarks@ncdot.gov
910-341-2000

Projects Under Construction						
Contract Number	Resident	TIP/WBS/Program	County	Description	Estimated Completion	Percent Complete
DC00218	Adam Britt	N/A	New Hanover	Snow Cut (#30) on US 421 over SR 1532 Feder replace	Oct-19	92.84%
DC00258	Daniel Waugh		Pender	Hoover Rd (SR 1569) Pipe Replacements	Nov-19	43.54%
DC00234	Daniel Jones	N/A	Brunswick, New Hanover, Onslow, Pender	Plant Bed Maintenance on NC 24/US 17/NC 132/NC 211/NC 53/US 421/US 74	Nov-19	91.19%
C204282	Alex Stewart	15403.1065027	New Hanover	Bridge on US 421 over Fishing Creek 4 miles N of I-140	Apr-20	47.13%
DC00231	Daniel Jones	R-3601(L)	Brunswick	Landscaping for the Diverging Diamond at US 74/76 and NC 133	Jun-20	79.28%
C204203	Wayne Currie	HVBP	New Hanover	Isabel Holmes Bridge (#11, US 74) Girder repair, upgrade paint/structural steel, replace grid floor	Mar-21	10.72%
C203980	Alex Stewart	U-4751	New Hanover	Military Cutoff Rd Extension from Market St to the Wilmington Bypass with an interchange at the Bypass	Jul-22	25.92%
C204319	Alex Stewart	U-4902D	New Hanover	Superstreet median on Market St (US 17 BUS) from Marsh Oaks Dr to Lendire Dr	Nov-22	10.36%
DC00254	Lydia McKeel	R-5783C/D	Brunswick, Duplin, New Hanover, Onslow, Pender, Sampson	2019 TAP Curb Ramp	May-20	8.70%
TBD	Alex Stewart	HVBP	New Hanover	Banks Channel (#21, US 76) girder repair, clean and paint bearings, epoxy caps	TBD	TBD
TBD	Alex Stewart	HVBP	New Hanover	Cape Fear (#48, I-140 E) Shear Strengthen	TBD	TBD
TBD	Alex Stewart	HVBP	New Hanover	Cape Fear (#49, I-140W) Shear Strengthen	TBD	TBD

Resurfacing									
Contract Number	Contract Year	County	Resident	TIP	MPO/RPO	Map	Routes	Estimated Completion	Percent Complete
C204094	2018	Brunswick	Alex Stewart	W-5203Y	GSATS/WMPPO/CFRPO	0	US 76 E. & W., US 421 N., NC 130, NC 179, NC 904.	Jul-20	97.63%
C204135	2018	✓ Hanover/Brunswick	Lydia McKeel	N/A	WMPO	0	US 421/US 76/NC 132 and various SRs (New Hanover Resurfacing)	Oct-19	68.41%



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

November 2019

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

NOVEMBER TPD UPDATES WILMINGTON MPO

NOVEMBER 2019

New Business:

Brunswick County Model: Working on FY SE Data Analysis at the moment.

NCMoves 2050: There will be multiples events that started in September and will go through January to collect the third round of surveys for NCMoves 2050. Contact Nastasha Earle-Young at the NCDOT's Transportation Planning Division for more details.

2019-2020 Map: The 2019-20 State Transportation Map is now available and free of charge.

Preliminary Engineering Project Suspension List: As of August 30, 2019 NCDOT, will temporarily suspend "preliminary engineering" on most projects that do not receive funding from GARVEE bonds, BUILD NC bonds or Federal grants. This action does not impact projects currently awarded for construction, scheduled to be awarded for construction within the next 12 months, or are currently under construction. Work for preliminary engineering on the attached list will suspend approximately 900 transportation projects.

Planning for Resiliency: The Hydraulics Unit of NCDOT recently led a Kickoff meeting for the preparation of Flood Resilience Feasibility studies. These studies will show where roads in NC have previously flooded. A resiliency planning workgroup has formed that is made up of TPD planning staff, MPO staff, RPO staff, and other NCDOT staff to help with developing a data driven process to include resiliency in our infrastructure planning. The

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Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
1 SOUTH WILMINGTON STREET
RALEIGH, NC 27601

goal of these studies is to have a statewide map of frequently flooded roads in NC (all 700+ of them). For more information, as well as some useful videos, please visit: <https://toolkit.climate.gov/#steps>

Traffic Forecast Updates: in the Wilmington MPO Area, here are some TF updates:

1. **U-4738 Brunswick New_Hanover Cape Fear Crossing** 40114.1.2; TIP: U-4738; Assigned to: HNTB; Due date/status: **Project paused**
2. **U-6128 New_Hanover Wilmington US 76** 48351.1.1; TIP: U-6128; Assigned to: Michael Baker; Due date/status: **Project paused**
3. **R-5850 Pender NC 53 US 117 to Stag Park Rd** H150503 34263.1.1; TIP: U-5850; Assigned to: Arcadis; Due date/status: November 22, 2019

Old Business:

North Carolina Zero Emission Vehicle Plan:

On October 29, 2018, Governor Roy Cooper signed into law Executive Order No. 80. “North Carolina’s Commitment to Address Climate Change and Transition to a Clean Energy Economy.” It is a statewide initiative. In response to the executive order, NCDOT has started formulating additional strategies that seek to ensure it is better prepared to adapt to a changing environment. One of the strategies is to encourage more people to register and drive zero-emission vehicles. North Carolina Zero Emission Vehicle “ZEV” Plan is North Carolina’s plan to get 80,000 All-Electric or “Zero Emission Vehicles” on the road by 2025.

Take a 5-minute survey to let NCDOT know what you need to feel good about going ZEV: <https://nczevplan.metroquest.com/>

A draft action plan will be completed by June 2019. There will be a statewide public comment period on the draft action plan July to August 2019. The final action plan will be submitted to the governor in October 2019.

Phase 2 will include such tasks as coordinating with local transit agencies and reviewing funding options for NCDOT to buy zero-emission vehicles. Phase 2 is expected to be completed in 2020 with some steps completed by early 2021.

Phase 3 will include such tasks as finalizing efforts to establishing alternative fuel corridors that support zero-emission vehicles and preparing a mid-point ZEV program review.

Wilmington Model Update – Future Year Model is ready for MTP project testing and has been sent to the Wilmington MPO. The documentation was updated on March 1st with updates to the growth rate map and sent to the MPO. The model and documentation will continue changing as new projects are entered into the MTP. The 2045 Model will be considered adopted when the MTP is adopted, it will then become the official model and documentation.

Wilmington CTP – With the model update, WMPO has also asked TPD to start on the Wilmington CTP update. We have yet to develop a schedule for this CTP and start – but once the Wilmington Model is near completion we will develop a schedule.

Pender County CTP – TPD has done a lot of pre-work for Pender County, once the RPO and engineer can provide more time and grasp a better understanding of CTP 2.0 – they will start the CTP within the next few months.

1. s Cable and Conduit on I-140 in Brunswick and New Hanover Counties. Lane closures will be restricted to Monday 9:00 a.m. to Friday 4:00 p.m. to minimize traffic delays during the week. Lane closures may also occur on the weekend. Intermittent lane closures to occur until May 31, 2018.
2. US-421: Lanes closed due to bridge construction from 10/31/2018 – 1/31/2020. There is a detour.
3. US-74 (Martin Luther King Jr Parkway): Lane Closed due to bridge expansion joint replacements and goal seals on bridges on MLK Jr. Parkway.

Traffic Forecasting: The latest P5 list and the draft STIP has been reviewed and all 14 Highway Divisions have been contacted regarding their traffic forecasting priorities. Forecast requests continue to come in from Corridor Studies Groups and this is their “pre-analysis” process. Structures Management’s 2023 Project List work also continues.

NC Statewide Model: CDM Smith and RSG are our consultants for the NC Statewide Model. The model is underway and they are on the SE Data Collections Phase.

Wilmington Model Update – The model is completed; documentation is completed as of last month.

Pender County CTP – Pender County CTP is on hold for now and will resume when our team has hired more engineers.

Statewide Plan: The N.C. Department of Transportation is conducting an update to its long-range transportation plan to guide North Carolina’s future transportation policies and investments. NC Moves 2050 is a plan that will provide a 30-year transportation vision and implementation plan for the state. Changing demographic and economic trends across urban and rural regions of the state, along with anticipated changes in technology, weather, tourism, and funding sources make now an opportune time to produce a bold, forward looking transportation plan to guide investment policy and system performance that will be more reactive to the dynamic change on the horizon.

The engagement of the stakeholders and public is critical during this initial stage of the planning process. To capture thoughts and ideas about the state’s biggest challenges for the future, North Carolina residents are encouraged to provide input through our [survey](https://publicinput.com/ncmoves) through November 30th. The survey can be found at <https://publicinput.com/ncmoves>. This survey focuses capturing public input about the challenges for our state and the future of our transportation system. Responses will help to inform the vision and goals for NC’s transportation plan. We will also have our kickoff stakeholder meetings in Kinston on 10/24/18, Raleigh on 10/29/18, and Charlotte on 10/30/18. We have invited a representative from each MPO, RPO, State Agencies, and State Advocacy Groups across North Carolina.

Wilmington CTP – With the model update, WMPO has also asked TPD to start on the Wilmington CTP update. We have yet to develop a schedule for this CTP and start – but once the Wilmington Model is fully completed, TPD will develop a schedule.

Traffic Forecast: The Traffic Forecast shapefile is under development (ArcGIS Online).

Build NC: Governor Roy Cooper on Wednesday June 20, 2018 - signed into law the Build NC Bond Act of 2018, a new financing tool sought by his administration to help expedite critical highway projects. Build NC is a financing tool similar to Garvee bonds and is an important way to move critical projects forward. It is important to note that it is not new revenue, but borrowing authority to implement projects sooner. The focus is for projects in the regional and Division tiers.

CTP 2.0: TPD leadership is reviewing elements for CTP 2.0 and coordinating with the CTP 2.0 steering committee as we prepare for implementation of improved maps, classifications, analysis, plan documentation, and changes to the process for developing CTPs in NC. (A CTP Steering Committee meeting was held June 18, 2018.) Improving the CTPs for NCDOT and local partners has proven to be a complex process with many benefits and “ripple effects” as we move future proposals into project implementation.

Safety Insights: (Article from FHWA Human Environment Digest 6/13/19)

Study Reveals Bicycle Lanes Reduce Fatalities for All Road Users

The University of Colorado Denver conducted a 13-year longitudinal study (<https://www.sciencedaily.com/releases/2019/05/190529113036.htm>) that found bicycle infrastructure decreases fatalities for all road users. The study noted that bicycling infrastructure—specifically separated and protected bicycle lanes—leads to fewer fatalities and better road-safety outcomes for all road users. The study also reinforces the importance of building bicycle networks to increase safety

Study Analyzes Different Types of Bicycle Crashes at Local, State, and National Levels

Researchers at the University of North Carolina and Arizona State University published a joint paper that investigates the circumstances influencing both fatal and disabling bicycle crashes. The research found that the majority of bicycle crashes occur at intersections; however, data from North Carolina and Boulder, Colorado show that most fatal and disabling bicycle crashes occur at non-intersection locations, including crashes resulting from collisions with motorists. The report also provides insights for governments and other organizations to plan safer bicycle networks, and undertake other proactive measures to reduce crashes.