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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: August 23, 2018
SUBJECT: August 29th meeting

A meeting of the Wilmington Urban Area MPO Board will be held on Wednesday, August 29th 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) Presentation
 - a. Military Cutoff Road Extension- Kevin Bowen, NCDOT
- 7) Consent Agenda
 - a. Approval of Board Meeting Minutes- July 25, 2018 (p. 3-7)
 - b. Resolution approving 2018-2027 STIP/MPO TIP Administrative Modification #18-7 (p. 8-9)
 - c. Resolution approving 2018-2027 STIP/MPO TIP Amendment #18-3 (p. 10-12)
 - d. Opening of the 30-day Public Comment Period for 2018-2027 STIP/MPO TIP Amendment #18-4 (p. 13)
- 8) Regular Agenda
 - a. Resolution supporting the Wilmington Urban Area Metropolitan Planning Organization Bicycle and Pedestrian Advisory Committee's Draft Model Bike Parking Ordinance (p. 14-17)
 - b. Resolution amending the Board's adopted 2018 meeting calendar for the September meeting (p. 18)
- 9) Discussion
 - a. Cape Fear Moving Forward 2045 Preliminary Public Comment Results and Project Submittals
 - b. 2018 Omnibus Funding

Wilmington Urban Area Metropolitan Planning Organization

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- 10) Updates
 - a. Crossing over the Cape Fear River (p. 19)
 - b. Wilmington Urban Area MPO (p. 20-26)
 - c. Cape Fear Public Transportation Authority (p. 27-28)
 - d. NCDOT Division (p. 29-34)
 - e. NCDOT Transportation Planning Division (p. 35-37)
 - 11) Announcements
 - a. WMPO Bicycle and Pedestrian Advisory Committee- September 11th
 - b. 2019 Bicycle and Pedestrian Planning Grants Due- November 2nd
 - 12) Next meeting – September 18, 2018

Attachments

- Board Meeting Minutes- July 25, 2018
- Proposed 2018-2027 STIP/MPO TIP Administrative Modification #18-7
- Resolution approving 2018-2027 STIP/MPO TIP Administrative Modification #18-7
- Proposed 2018-2027 STIP/MPO TIP Amendment #18-3
- Resolution approving 2018-2027 STIP/MPO TIP Amendment #18-3
- Proposed 2018-2027 STIP/MPO TIP Amendment #18-4
- Wilmington Urban Area Metropolitan Planning Organization Bicycle and Pedestrian Advisory Committee's Draft Model Bike Parking Ordinance
- Resolution supporting the Wilmington Urban Area Metropolitan Planning Organization Bicycle and Pedestrian Advisory Committee's Draft Model Bike Parking Ordinance
- Resolution amending the Board's adopted 2018 meeting calendar for the September meeting
- Cape Fear River Crossing Update (August)
- Wilmington MPO Project Update (August)
- Cape Fear Public Transportation Authority Update (August)
- NCDOT Division Project Update (August)
- NCDOT Transportation Planning Division Project Update (August)

Board Meeting Minutes
6th Floor Conference Room, 320 Chestnut Street
Wednesday, July 25, 2018

Members Present

Pat Batleman, Town of Leland
Charlie Rivenbark, City of Wilmington
Jonathan Barfield, Cape Fear Public
Transportation Authority
Noreen Slattery, Town of Belville
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
Matt Nichols, Attorney

1. Call to Order

Ms. Batleman called the meeting to order at 3:03 p.m.

A moment of silence was observed to honor MPO Board member and Town of Belville Commissioner Donna Schardien, who passed away on July 13th following a lengthy illness.

2. Conflict of Interest Statement

Ms. Batleman read the conflict of interest statement and asked if any members had a conflict with any item on the meeting agenda. No members reported having a conflict.

3. Approval of Board Members' Excused Absences

Mr. Kozlosky stated that Mr. Watkins, Mr. Piepmeyer, Mr. Alford and Mr. Anderson have requested to be excused from today's meeting. Mr. Ellen made a motion to excuse the absences of Mr. Watkins, Mr. Piepmeyer, Mr. Alford and Mr. Anderson. Mr. Rivenbark seconded the motion, and it carried unanimously.

4. Approval of the Agenda

Mr. Kozlosky recommended adding two items to the agenda to discuss the September MPO Board meeting and to brief the Board regarding rail line upgrades.

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

5. Public Comment Period

Mr. Alvin Rogers spoke to the Board regarding the changes to College Road and Oleander Drive proposed by NCDOT. He referred to preliminary project U-4718 from 2005 and expressed concerns that DOT is still ignoring Kerr Avenue.

Ms. Lynn McIntyre spoke to the Board and inquired about the embedding of microchips in roads as mentioned in the book, "Chasing the Dime." Ms. Collette responded that this technology is not being used yet. A brief question/answer and discussion period was held.

In response to an inquiry by Ms. Batleman, Mr. Kozlosky stated that an update on College Road would be given at the Board's September meeting.

6. Presentations

a. Cape Fear Moving Forward 2045 MTP - Michael Madsen, WMPO

Mr. Madsen gave an update on the Cape Fear Moving Forward 2045 Metropolitan Transportation Plan (MTP). He reported that 2,259 surveys have been completed to date. He noted that the public input map has received 1,864 hits, almost 550 comments, and more than 4,300 votes on comments. He added that most comments have been in the roadway category, with the majority of votes in the bicycle/pedestrian category. All totaled, 7,200 responses have been received with one week remaining before the input period closes. He noted that staff is currently pulling projects from the 24 adopted plans.

Ms. Lorenzo reminded members that the survey and map, and the adopted plans are two of the three pillars in the process of compiling projects for the MTP.

7. Consent Agenda

a. Approval of Board Meeting Minutes – June 27, 2018

b. Resolution approving 2018-2027 STIP/MPO TIP Administrative Modification #18-6

Mr. Barfield made the motion to approve the Consent Agenda, seconded by Mr. Williams, and the motion carried unanimously.

8. Regular Agenda

a. Resolution approving the allocation of FY 19 Direct Attributable funds to the Cape Fear Public Transportation Authority for ADA and Preventative Maintenance

Ms. Kimes reminded members that last month, Wave Transit was awarded funds for its downtown transit center. She noted that this month, Wave requested \$500,000, or \$350,000 in Surface Transportation Block Grant Program-Direct Attributable (STBGP-DA) funds for preventative maintenance and \$150,000 for ADA compliance. She added that with Wave's match, the total amount would be \$625,000.

Ms. Kimes stated that this appropriation would commit the FY'19 funds, leaving a balance of \$280,000 in STBGP funds, excluding the \$900,000 in reserve for requests expected for the additional funding of projects. She added that the TASA (Transportation Alternatives Set Aside) balance and Omnibus funds will be discussed later in the agenda.

Mr. Barfield expressed appreciation to the MPO and made a motion to approve the Resolution allocating the FY'19 Direct Attributable funds to the Cape Fear Public Transportation Authority for ADA and Preventative Maintenance. Mr. Eulis seconded the motion, and it carried unanimously.

9. Resolution approving the Regional Impact Local Input Point Assignment for Prioritization 5.0

Ms. Lorenzo stated that the most recent draft of the Regional Impact Local Input Point Assignment following discussions by the Board has been included in the agenda packet. She noted that some administrative changes have been made as well by the SPOT Office regarding additional points for a rail project to Fayetteville and changes to the project limits of the NC 133 widening project.

Mr. Kozlosky clarified that the NC 133 project is in Castle Hayne and not Brunswick County.

Mr. Ellen pointed out a typographical error in fifth paragraph of the resolution.

Following further discussion, Mr. Ellen made a motion to approve the Resolution approving the Regional Impact Local Input Point Assignment for Prioritization 5.0. Mr. Williams seconded the motion, and it carried unanimously.

10. Discussion

a. 2018-2027 STIP/MPO TIP Administrative Modification #18-7

Mr. Kozlosky stated that the proposed STIP modifications are for information purposes only. He noted that the projects to be modified include a Phase I extension of the runway at Wilmington International Airport, and to accelerating the construction of the connection from Military Cutoff Road to Eastwood Road, which is known as the Drysdale Drive Extension. He added that this item will be brought to the Board for consideration at its next meeting.

b. Wilmington Urban Area MPO FY 18 Omnibus Funding

Ms. Kimes stated that in 2018, the Omnibus Spending Bill appropriated supplemental funding, with the MPO to receive \$577,478. She noted that these funds can only be used for the construction of highways, bridges or tunnels including designated routes of the Appalachian Development Highway System and local access roads under Section 14-501 of Title 40 USC. She added that construction authorization needs to be approved by September 30, 2021, which leaves only a short window for a project to be selected, designed and ready for construction.

Ms. Kimes listed the options as follows:

1. Provide a competitive process that would allow all jurisdictions to compete for funding; or
2. Offer the funding to DOT for projects within the MPO boundary.

Ms. Kimes stated that the City of Wilmington was the only member jurisdiction to request funding for a project. This would be to increase the number of pre-emptive signals.

Mr. Kozlosky stated that the TCC expressed an interest in conducting a call for projects. The other options would be for DOT to allow the MPO to program funds on an existing DOT project, and for DOT to allow the MPO to fund some other project without the timeline and restrictions of Omnibus funding. He requested some direction from the Board.

Mr. Barfield requested that any arrangement with DOT be in writing.

A lengthy question/answer and discussion period was held.

Mr. Williams made a motion to proceed with the second option, seconded by Mr. Ellen and the motion carried unanimously.

c. September MPO Board Meeting

Mr. Kozlosky stated that numerous scheduling conflicts exist with staff during the week of September 24th to September 28th, during which time the next MPO Board meeting is scheduled (September 26th). He requested that another date for the meeting be considered. He noted that September 19th would not be an option due to a conflict with a meeting of the North Carolina League of Municipalities.

Following further discussion, Mr. Kozlosky stated that he would poll members to determine the best date for a quorum for the September Board meeting.

9. Updates

Ms. Padgett gave an update on the Wilmington Rail Realignment Project. She stated that members should have received an update via e-mail earlier this month. She offered to add any member to the e-mail list desiring periodic updates. She displayed a map and gave an overview of the purpose of the project and benefits to the four counties surrounding the City of Wilmington, the lead agency of the project.

Ms. Padgett stated that as coordinator of the project, she has given presentations to many community leadership groups. She expressed appreciation for the continued efforts and collaboration of Glenn Harbeck and John Cease. She pointed out that a supplementary rail line from private development in the area of Whiteville to the CSX line would create an efficient run and significant opportunities for both Columbus County and Brunswick County, each of which having developable industrial sites along the route.

Ms. Padgett stated that she, Mr. Harbeck and Mr. Cease have met with the Army Corps of Engineers, which has expressed positive interest and contributed suggestions to lessen the environmental impacts. She noted that the Federal Railroad Administration encouraged her to apply for a grant to proceed with the National Environmental Protection Act (NEPA) documentation and preliminary engineering. She added that another grant is available with \$300 million, which would fund both.

Ms. Padgett commented that the Surface Transportation Board, which must approve any additional rail, had a positive reaction in favor of the project and expressed an openness to work with the FRA on the environmental documents. She noted that she continues to meet with CSX as an essential partner that has undergone some personnel changes, and will meet with the new regional director and government affairs liaison in the next few weeks. She added that CSX has announced a new intermodal facility in Edgecombe County, which will help the Port of Wilmington. She noted that the next step is for the City to hire someone with engineering and project management experience to manage the project.

Mr. Ellen commented that he knows of someone who would be interested in the position.

Ms. Padgett responded that the City is working on a job description and hopes to have the position filled by October. She commented that the Castle Hayne to Wallace rail line is an important component and should be part of the intermodal facility being built in Edgecombe County. A question/answer and discussion period was held.

Mr. Kozlosky stated that all other updates are included in the agenda packet. He noted that an e-mail was forwarded to the Board on Monday regarding its request for DOT to accelerate rail improvements to the existing line through the City of Wilmington, the short-term fix to the long-term goal of relocating the rail line. He added that DOT responded that the next five years have been over-programmed and it's unable to accelerate the project currently scheduled for right of way in 2025 and construction in 2027. However, it will create a shelf-ready project in the event that more funds become available or a project is delayed due to environmental or some other issues.

Ms. Collette stated that any lane closures [on the Cape Fear Memorial Bridge] are for cleanup. Ms. Batleman stated that the latest sequence of work is included in the agenda packet.

Mr. Kozlosky introduced the MPO's newest staff member, Katie Moore. Ms. Moore expressed appreciation and gave a brief overview of her background.

10. Adjournment

With no further business, the meeting was adjourned at 3:54 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.**

Proposed Revisions to 2018-2027 STIP/MPO TIP Programs

STIP/MPO TIP Modification # 18-7 (July 2018)

| | | | |
|--|--|--|--|
| <p>AV-5730 NEW HANOVER PROJ.CATEGORY STATEWIDE</p> | <p>WILMINGTON INTERNATIONAL (ILM), EXTEND RUNWAY 6-24 PHASE 1 <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN, DELAY CONSTRUCTION FROM FY 18 TO FY 22.</u></p> | <p>CONSTRUCTION</p> | <p>FY 2022 - \$500,000 (T) FY 2022 - \$4,500,000 (O) \$5,000,000</p> |
| <p>U-5710A NEW HANOVER PROJ.CATEGORY STATEWIDE</p> | <p>NEW LOCATION, FROM SR 1409 (MILITARY CUTOFF ROAD) AT DRYSDALE DRIVE TO US 74 (EASTWOOD ROAD). ROADWAY ON NEW LOCATION. <u>ACCELERATE CONSTRUCTION FROM FY 21 TO FY 20.</u></p> | <p>RIGHT-OF-WAY UTILITIES CONSTRUCTION</p> | <p>FY 2019 - \$1,970,000 (T) FY 2019 - \$75,000 (T) FY 2020 - \$2,900,000 (T) \$4,945,000</p> |

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
BOARD**

**RESOLUTION APPROVING ADMINISTRATIVE MODIFICATION #18-7 TO THE
2018-2027 STATE /MPO TRANSPORTATION IMPROVEMENT PROGRAMS**

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

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

WHEREAS, the North Carolina Board of Transportation adopted the 2018-2027 State Transportation Improvement Program on August 3, 2017 and the Wilmington Urban Area Metropolitan Planning Organization Board adopted the Statewide/MPO Transportation Improvement Programs on August 30, 2017; and

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization desires to modify the adopted 2018-2027 State/MPO Transportation Improvement Programs for Administrative Modification #18-7.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby approves modifying the 2018-2027 State/MPO Transportation Improvement Programs for Administrative Modification #18-7.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on August 29, 2018.

David Piepmeyer, Chair

Mike Kozlosky, Secretary

Proposed Amendments to the 2018-2027 STIP/MPO TIP Programs

STIP/MPO TIP Amendment #18-03 (June 2018)

| | | | |
|---|--|---------------------|---|
| <p>* I-6036 BRUNSWICK PROJ.CATEGORY STATEWIDE</p> | <p>I-140, US 17 TO NORTH OF US 74. PAVEMENT REHABILITATION. <u>ADD NEW PROJECT BASED ON INTERSTATE</u> <u>MAINTENANCE PRIORITIZATION PROCESS.</u></p> | <p>CONSTRUCTION</p> | <p>FY 2019 - <u>\$1,400,000</u> (NHPIM) \$1,400,000</p> |
| <p>* I-6037 NEW HANOVER PROJ.CATEGORY STATEWIDE</p> | <p>I-140, US 421 TO I-40. PAVEMENT AND BRIDGE REHABILITATION. <u>ADD NEW PROJECT BASED ON INTERSTATE</u> <u>MAINTENANCE PRIORITIZATION PROCESS</u></p> | <p>CONSTRUCTION</p> | <p>FY 2026 - <u>\$10,385,000</u> (NHPIM) \$10,385,000</p> |
| <p>* I-6038 BRUNSWICK NEW HANOVER PROJ.CATEGORY STATEWIDE</p> | <p>I-140, US 421 TO US 74/76. PAVEMENT REHABILITATION. <u>ADD NEW PROJECT BASED ON INTERSTATE</u> <u>MAINTENANCE PRIORITIZATION PROCESS.</u></p> | <p>CONSTRUCTION</p> | <p>FY 2026 - <u>\$4,000,000</u> (NHPIM) \$4,000,000</p> |
| <p>* I-6039 NEW HANOVER PENDER PROJ.CATEGORY STATEWIDE</p> | <p>I-40, MILEMARKER 420 TO NC 210 (MILEMARKER 408). PAVEMENT REHABILITATION. <u>ADD NEW PROJECT BASED ON INTERSTATE</u> <u>MAINTENANCE PRIORITIZATION PROCESS.</u></p> | <p>CONSTRUCTION</p> | <p>FY 2022 - <u>\$10,539,000</u> (NHPIM) \$10,539,000</p> |

* I-6040
PENDER
PROJ.CATEGORY
STATEWIDE

I-40, EAST OF US 117 (MILEMARKER 393) TO NC
210 (MILEMARKER 408). PAVEMENT
REHABILITATION.

**ADD NEW PROJECT BASED ON INTERSTATE
MAINTENANCE PRIORITIZATION PROCESS.**

CONSTRUCTION

FY 2024 - ~~\$11,200,000~~ (NHPIM)
\$11,200,000

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
BOARD**

**RESOLUTION APPROVING AMENDMENT #18-3 TO THE
2018-2027 STATE /MPO TRANSPORTATION IMPROVEMENT PROGRAMS**

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

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

WHEREAS, the North Carolina Board of Transportation adopted the 2018-2027 State Transportation Improvement Program on August 3, 2017 and the Wilmington Urban Area Metropolitan Planning Organization Board adopted the Statewide/MPO Transportation Improvement Programs on August 30, 2017; and

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization desires to amend the adopted 2018-2027 State/MPO Transportation Improvement Programs for Amendment #18-3; and

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

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby approves amending the 2018-2027 State/MPO Transportation Improvement Programs for Amendment #18-3.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on August 29, 2018.

David Piepmeyer, Chair

Mike Kozlosky, Secretary

Proposed Revisions to 2018-2027 STIP/MPO TIP Programs
STIP/MPO TIP Amendment # 18-4
(August 2018)

| STIP # | TRANSIT PARTNER | DESCRIPTION | MATCH | FUND | FY18 (000) | FY19 (000) | FY20 (000) | FY21 (000) | FY22 (000) | FY23 (000) | FY24 (000) | FY25 (000) | FY26 (000) | FY27 (000) |
|---------------------------|---|--|-------|--------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| TG-6784 (FY18 commitment) | Cape Fear Public Transportation Authority | Preventive Maintenance | FUZ | STBGDA | 251 | | | | | | | | | |
| | | | Local | L | 62 | | | | | | | | | |
| TG-6700 (FY18 commitment) | Cape Fear Public Transportation Authority | ADA | FUZ | STBGDA | 260 | | | | | | | | | |
| | | | Local | L | 65 | | | | | | | | | |
| TG-6784 (FY19 commitment) | Cape Fear Public Transportation Authority | Preventive Maintenance | FUZ | STBGDA | 350 | | | | | | | | | |
| | | | Local | L | 87.5 | | | | | | | | | |
| TG-6700 (FY19 commitment) | Cape Fear Public Transportation Authority | ADA | FUZ | STBGDA | 150 | | | | | | | | | |
| | | | Local | L | 37.5 | | | | | | | | | |
| TD-4721 | Cape Fear Public Transportation Authority | Intermodal Facility - Land, Planning, Design, & Construction | FUZ | STBGDA | 1700 | | | | | | | | | |
| | | | Local | L | 425 | | | | | | | | | |

WMPO Bicycle and Pedestrian Advisory Committee Model Bike Parking Ordinance

Bicycle Parking –

- A. Applicability.
 - a. The provisions of this section shall apply to all new development, change of use, and/or substantial improvement.¹
 - b. It is at the discretion of the Zoning Official to review and require bicycle parking facilities for land uses not specifically designated in this section.
 - i. Criteria to be considered for applicability by the Zoning Official:
 - 1. Type of use.
 - 2. Size of use.
 - 3. Zoning District in jurisdiction.
- B. Definitions.
 - a. *Bicycle parking space* – an area at least 6 feet in length and at least 2 feet in width to accommodate secured storage for 1 bicycle.
 - b. *Bicycle rack* – a fixture in which one or more bicycles can be secured
 - c. *Short-term bicycle parking* – bicycle parking intended for 2 hours or less, appropriate for persons making short visits to commercial establishments.
 - d. *Long-term bicycle parking* – bicycle parking intended for a period of 2 hours or longer, appropriate for residents, employees, transit users, and visitors to hotels in the nearby area and at least 50% of the facility shall be covered.
- C. Number of Spaces Required.

¹Applicability of this ordinance shall be determined by the adopting jurisdiction.

| Land Use | Typical Minimum Requirements | | High Traffic/Urbanized/Tourist | | Rural Areas | |
|---|-----------------------------------|---------------------------------------|--------------------------------------|--|--|------------------------|
| | Short Term | Long Term | Short Term | Long Term | Short Term | Long Term |
| Multi-family | 1 space/4 units (25%) | 1 space/4 units (75%) | 1 space/unit (25%) | 1 space/unit (75%) | 1 space/10 units (25%) | 1 space/10 units (75%) |
| Retail | 1 space/1,000sf, minimum 5 spaces | 1 space/2000 SF, minimum 2 spaces | 1 space/750sf, minimum of 5 spaces | 1 space/1500 SF | 2 spaces or 1 per 5,000sf | 2 spaces |
| Eateries/Food Establishments | 1 space/5,000sf, minimum 4 spaces | minimum 2 spaces | 1 space/2,500sf, minimum of 5 spaces | 1 space/1500 SF | 2 spaces or 10% of vehicular parking, whichever is greater | 2 spaces |
| Office | 2 spaces or 1 space/5,000sf | minimum 2 spaces | 4 spaces or 1 space/2,500sf | 1 space/2500 SF, minimum 2 spaces | Determined by review* | Determined by review* |
| Public Facilities (i.e. museums, churches, libraries, and similar uses) | 1 space/5,000sf, minimum 4 spaces | None | 1 space/1,500, minimum 8 spaces | None | 4 spaces | None |
| Public and Private Schools, daycares | 1 space/ 10 classrooms | 1 space/5 classrooms, 2 space minimum | 1 spaces/10 classrooms | 1 space/ 5 classrooms, 2 space minimum | 1 space/10 classrooms | Determined by review* |
| Parks/Outdoor Recreation | Determined by review* | None | Determined by review* | None | Determined by review* | None |

*Bicyclist parking shall be kept in lit areas

**Bicyclist parking shall be just as convenient as vehicular parking

***Bicyclist parking should be provided for employees in addition to parking required by land use

****Factors for review shall include site access/distance to bicycle facilities such as MUP's, greenways, and bicycle lanes.

Development Standards for bicycle parking spaces.

- a. Short term bicycle parking shall provide sufficient security from theft and damage. Bicycle racks shall be securely anchored to the ground, shall support the bicycle at two or more points to prevent damage to the bicycle, and shall be located in a visible and well-lit area.
- b. Long term bicycle parking shall provide a secure, limited access parking facility. The accommodations shall be well lit and at least 50% of the facility shall be covered. Examples include a room within a multi-family building or workplace, and an enclosure within an existing vehicular parking area.
- c. Recommended bicycle racks include "Inverted U", "Post & Ring", and "Wheelwell-Secure" racks.
- d. Bicycle parking shall be as convenient as auto parking and located within 200 feet from main entrance of structure or facility.

- e. Bicycle parking shall be sufficiently separated from motor vehicle parking areas to protect bicycles from damage by motor vehicles. When located adjacent to motor vehicle parking or right of ways, bicycle racks shall be located a minimum of 24" from edge of parking lot or roadway, and shall be spaced at a minimum of 36" apart.
- D. Development Standards for Multi-Unit Structures
- a. In the case in which a structure has more than one use or unit within the same structure, a bicycle corral can be installed to service all the units housed within the structure.
 - b. Bicycle Corrals are bicycle parking facilities that can accommodate up to 12 to 16 bicycles in the same area as a single vehicle parking space.
 - c. The objective is to provide sufficient parking for a range of potential uses while also limiting the cost of constructing additional bike racks in the scenario of changes of use within the structure.

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
BOARD**

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

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

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization's Bicycle and Pedestrian Advisory Committee is tasked with providing recommendations on policies that affect the development of bicycle and pedestrian facilities in the member jurisdictions; and

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

WHEREAS, the Bicycle and Pedestrian Advisory Committee recognized the importance and need to develop bicycle parking standards; and

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

WHEREAS, the Bicycle and Pedestrian Advisory Committee voted to recommend the Bicycle Parking Ordinance on June 12, 2018.

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

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on August 29, 2018.

David Piepmeyer, Chair

Mike Kozlosky, Secretary

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
BOARD**

RESOLUTION AMENDING THE 2018 WILMINGTON MPO 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 Board of the Wilmington Urban Area Metropolitan Planning Organization adopts the meeting calendar on an annual basis; and

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization desires to amend the 2018 meeting calendar to change the Board's September meeting date.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby approves amending the adopted 2018 meeting calendar to change the September meeting date to September 18, 2018.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on August 29, 2018.

David Piepmeyer, Chair

Mike Kozlosky, Secretary



Cape Fear Crossing

STIP U-4738

Brunswick and New Hanover Counties

PROJECT STATUS REPORT

August 1, 2018

Project Description

The Cape Fear Crossing project is proposed as a roadway extending from the vicinity of US 17 Bypass and I-140 in Brunswick County to US 421 in New Hanover County, including a crossing of the Cape Fear River. The project is programmed in the 2018-2027 STIP for planning and environmental studies only using STPDA funding from the Wilmington MPO.

The following list includes tasks during the month of July:

Current Activities

- The project team continues to coordinate and correspond with project stakeholders.
- Studies for the Traffic Noise Analysis and Air Quality Analysis are ongoing.
- Due to updated designs, construction cost estimates are currently being revised.

Upcoming Activities

- The project team will submit the Draft Environmental Impact Statement (DEIS) to FHWA for review in early August.
- The project team will coordinate with the State Historic Preservation Office (SHPO) on effects to historic properties based on revised designs.
- A newsletter will be sent this month to notify citizens of the remaining alternatives under study.

Past Activities

- The revised project designs of the detailed study alternatives were finalized 6/15/18.
- The Traffic Capacity Analysis was finalized on 6/01/18.
- The NEPA/Section 404 Merger Team reached concurrence on 11/30/17 to eliminate Alternatives C, F, P, G, J, and V Freeway. Alternatives B, Q, T, M Avoidance, N Avoidance, and V Widening will be carried forward for detailed study in the DEIS.
- The update to the Natural Resources Technical Report was finalized on 9/19/17.
- The Essential Fish Habitat Assessment was finalized on 9/01/17.
- Right-of-Way cost estimates and relocation reports have been completed.
- The project team received final concurrence from the NEPA/Section 404 Merger Team on Concurrence Point 2A – “Bridging Decisions and Alignment Review” on 8/17/17.
- The NEPA/Section 404 Merger Team reached Concurrence Point 2A – “Bridging Decisions and Alignment Review” on 5/30/17.
- The project team received final concurrence from the State Historic Preservation Office on 5/26/17 regarding Section 106 effects on historic resources in the project study area.
- The project team presented the status of the project and preliminary alternative impact analysis results to the WMPO TAC on 3/29/17.
- The Archaeological Predictive Model Update was finalized on 2/13/17.
- The NEPA/Section 404 Merger Team reached Concurrence Point 1 – “Purpose and Need and Study Area Defined” on 12/12/13; the NEPA/Section 404 Merger Team reached Concurrence Point 2 – “Detailed Study Alternatives Carried Forward” on 2/10/14.
- Technical documents that have been finalized are available on the project website under “Project Documents.”

Contact Information

NCDOT – John Conforti, jgconforti@ncdot.gov, 919.707.6015; AECOM – Joanna Rocco, joanna.rocco@aecom.com, 919.239.7179; Website: <https://www.ncdot.gov/projects/cape-fear-crossing>; Email: capefear@ncdot.gov; Hotline: 1.800.233.6315

WILMINGTON MPO
TRANSPORTATION PLANNING
AUGUST 2018

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. Public outreach began with a kick-off event on April 3rd and ended on July 31st. 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.

Next Steps:

- WMPO Staff, in coordination with our consultant WSP, have begun data analysis of the public outreach responses and comments.
- The Modal Subcommittees have begun development of modal goals and objectives. These goals and objectives will provide the basis for development of modal policies and project scoring criteria later in the Fall/Winter.
- Staff will present preliminary project lists to the modal subcommittees in the Fall
- Adoption in November 2020

LELAND STREET DESIGN STANDARDS MANUAL

Project Description/Scope: The Town of Leland is partnering with the Wilmington Urban Area MPO for the development of street design manual. These guidelines will guide new development towards the construction of streets that better align with the town's values in terms of connectivity, multi-modal activity, maintenance, design, and safety. The Leland Street Design Manual will include conceptual tables/graphics which will more easily convey the impact of standards on the physical landscape to the public and elected officials. A public meeting was held on December 4th to review the draft materials. The document was revised and a follow-up meeting was held on February 20th. Staff from the Town continues to work on the development of these standards. MPO staff met with the Town on May 22nd. The Town provided the MPO with a list of questions, proposed changes and comments. The MPO has assigned a team to assist in the completion of the manual.

Next Steps:

- The Town and MPO to review the document
- Continue to update the guidelines/manual per guidance from the Town of Leland

NORTHEAST NEW HANOVER COUNTY FUTURE STREET PLAN

Project Description/Scope: New Hanover County and the Wilmington Urban Area MPO are partnering to develop a Future Street Plan for Northeastern New Hanover County. This plan will serve as a framework for a future street system in the study area by examining how well the existing transportation system performs, developing multi-modal street design guidelines, and creating strategies for integrating land use and transportation development. The MPO and County have received a draft plan from the consultant. The County Planning staff are meeting with stakeholders. The plan will be revised by County and MPO staff to meet our needs.

Next Steps:

- Finalize Draft Plan in late summer
- Present information to New Hanover County Planning Board and Board of Commissioners

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: 2 reviews
- New Hanover County Informal Plan Reviews: 0 reviews
- New Hanover Concept Reviews: 1 review
- Town of Leland Formal Reviews: 4 reviews
- Town of Leland Informal Reviews: 1 reviews
- Town of Navassa Formal Reviews: 1 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: 21 total (New Hanover County 5, City of Wilmington 11, Carolina Beach 0, Leland 1, Navassa 0, and Pender County 3, Brunswick County 1) ; new 0 and ongoing 21
- Pender County Development Plan Reviews: 3 reviews
- Pender County Informal Plan Reviews: 1 reviews
- Pender County Concept Reviews: 0 reviews
- City of Wilmington Formal Reviews: 70 (7 new, 63 on-going)
- City of Wilmington Informal Reviews: 39 (6 new, 33 on-going)
- City of Wilmington Concept Reviews: 16 (14 new concept reviews- 2 on-going concept)
- COW Project Releases: 10 Full releases

STBGP-DA/TASA-DA FY 2013 to Present**STBGP-DA****U-5534B - CITY OF WILMINGTON- HEIDI TRASK DRAWBRIDGE (Under Construction)**

Project Descriptions/Scope: This project consists of construction of a public walkway/pier underneath the Heidi Trask Drawbridge to provide for a safe crossing for cyclists and pedestrians across US 74 (Wrightsville Avenue) on the mainland side of the drawbridge in Wilmington.

Project Status and Next Steps:

- Construction contract awarded to Intercoastal Marine, LLC
- Resumed construction based on plan revisions on May 2, 2018
- Pile installation is complete. Substructure 95% complete
- Work has begun on superstructure
- Anticipated completion date of November 28, 2018

U-5534C - WRIGHTSVILLE AVENUE/GREENVILLE AVENUE TO HINTON AVENUE (Design)

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:

- 100% plan comments sent back to Engineer
- Specifications comments sent back to Engineer
- R/W acquisition completed Spring 2018
- The engineering firm is performing a QA/QC check on the plans to correct issues. Once revisions are received a new let date will be set

U-5534D - TOWN OF LELAND - OLD FAYETTEVILLE ROAD MUP (Design)

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:

- 100% Plan approval received
- Town mailed notices to all affected property owners for acquisition by condemnation of temporary construction easements and permanent drainage easements starting April 20th. The majority of condemnations have been filed – awaiting remainder
- Construction funds can be released once right of way certification and PCE consult are approved
- Construction contract let is anticipated Summer 2018

U-5534E & L - TOWN OF CAROLINA BEACH - ISLAND GREENWAY AND HARPER AVENUE BIKE LANES (Under Construction)

Project Descriptions/Scope: This project is for the design and construction of an off-road multi-use path that begins at Mike Chappell Park and winds along the existing cleared fire path and terminates at Alabama Avenue and the Harper Avenue bike lanes will consist of a bicycle boulevard on existing pavement on each side of Harper Avenue from Dow Road to Lake Park Boulevard

Project Status and Next Steps:

- Construction began in late January with completion expected by mid-September

U-5534F – CITY OF WILMINGTON – PARK AVENUE MUP – PHASE II (Design)

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 and Technical specifications have been approved by NCDOT- NCDOT is waiting on final stamped plans
- Construction funds can be released once PCE consult is received
- Anticipated Let Date: To be determined once bid package approved

U-5534G –HOOKER ROAD MULTI-USE PATH (Design)

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:

- The City has provided the executed revised scope and amendment to McKim & Creed
- Issues with the plans continue to exist. McKim & Creed is working on revising the plans
- Anticipated Let Date of Winter 2018

U-5534H – HINTON AVE MULTI-USE PATH (Design)

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:

- The City has provided the executed revised scope and amendment to McKim & Creed
- Issues with the plans continue to exist. McKim & Creed is working on revising the plans
- Anticipated Let Date of Winter 2018

U-5534I –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 at 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:

- 100% Plans approved by NCDOT
- 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

U-5534J –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:

- 100% Plans approved by NCDOT
- Right of way acquisition underway
- Right of way Certification- TBD
- Encroachment agreement needed once right-of-way finalized

U-5534K –LELAND MIDDLE SCHOOL SIDEWALK

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

- 100% Plans approved by NCDOT
- 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

U-5534N 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:

- 100% plans approved by NCDOT; Spec comments resubmitted to NCDOT
- Additional funds received
- Anticipated let date Fall 2018

U-5534O Cape Fear Blvd Multi-Use Path

Project Description/Scope: The construction of approximately 3200 linear feet of 10’ wide paved off-road Multi-use Path along the south side of Cape Fear Blvd. from 6th Street to Dow Road.

Project Status and Next Steps:

- Bids were opened January 23, 2018
- Project Notice to Proceed sent the week of June 18th with an anticipated completion date of mid-October

U-5534Q –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

U-5534S (Formerly U-5534M)- Coral Drive Sidewalks

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

- 100% plans (sealed) and specifications have been approved by NCDOT
- The Town is in the process of getting temporary construction easements and 2 permanent easement
- Construction funds can be released once PCE consult is received
- Anticipated Let Date: Winter 2018

U-5534T – 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:

- 90% design completed
- 100% plans 3 weeks after NCDOT/City review
- Anticipated bid date of Fall 2018

U-5534U – 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:

- Scoping meeting held with NCDOT
- PE funds were released at the December 2017 Board of Transportation meeting
- Scope and fee with manday estimate is currently being revised per NCDOT comments

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:

- A supplemental agreement for additional funding was approved by the Wilmington City Council on September 5, 2017
- The supplemental agreement was approved by the Board of Transportation
- The project is over budget. The City is currently working on the rebid package. The project will be bid with the Gregory/Williston Safe Routes to School project

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:

- 35% Design submitted for review
- Anticipate 70% plans by October 2018
- Anticipated construction bid May 2019

U-5527D HARPER AVE. MULTI-USE PATH

Project Descriptions/Scope: The construction of approximately 2104 linear feet of 10' wide paved multi-use path along Harper Ave. from Dow Road to 6th Street

Project Status and Next Steps:

- NCDOT Agreement is in place

- PE funds authorized August 2, 2016
- Draft LOI for PE Services submitted and being revised by the Town
- Advertisement of PE Services is anticipated in Summer 2018
- Anticipated let date Spring 2019

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 if approved would fund 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 Coordinator position has been filled with the new employee starting on May 14th. The TDM program will work to increase active transportation initiatives and increase community knowledge of commuter options. The WMPO is working with the city of Wilmington to implement a bike share program. Next Steps:

- Finalized Strategic Marketing Plan
- Increase social media presence for Go Coast program and initiatives
- Communicating with ride share/commute tracking applications to develop commuter tracking for 2018 Commuter Challenge
- Have grown Go Coast/TDM committee by seven members
- Go Coast Meeting August 8th, 2018
- Gather model alternative work schedule policies from various regional employers to be highlighted in the statewide initiative to showcase model alternative work schedules
- Create list of Commuter Friendly Employers in the WMPO region
- Partner with large employers to determine vanpool/carpool options
- Partner with UNCW, Cape Fear Community College, and New Hanover Regional Medical Center to explore carpool matching options and guaranteed ride home strategies
- Communicate with NCDOT to determine funding options for emergency ride home program
- Coordinate with employers to implement 2 additional vanpool programs and potential Park & Ride lot locations

Bike Share

- Present bike share program proposal to Wilmington City Council
- Contacting administrators in Pleasure Island to determine if bike share program is desired



Cape Fear Public Transportation Authority

Project Update

August 2018

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. Delivery is scheduled to begin in June 2019. Additional funding for three to four buses will be requested from the VW mitigation settlement once a call for projects is issued by NC DAQ in the summer of 2018.
- 2. Short Range Transportation Plan** - (no significant 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 project is expected to be completed in the spring of 2018. The draft plan was presented to the Authority Board on March 22, 2018. Draft recommendations are available at the following URL: <https://www.wavetransit.com/short-range-transit-plan/>. Changes to the Wave Transit routes based on recommendations from the consultant will be developed over the summer and fall with implementation in 2019 to coincide with the opening of the Wilmington Multimodal Transportation Center. A presentation of the study findings will be presented to the WMPO in the fall of 2018.
- 3. Long Term Funding** - (no change) 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 been retained to undertake the effort.

WMPO SPONSORED PROJECTS

1. **Wilmington Multimodal Transportation Center**

Phase 1 - 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. 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. Bids for Phase 3 were opened on March 13, 2018. On March 22, 2018, the Authority resolved to reject all bids due to the lowest bid exceeding available funds for the project.

The renovation construction phase has been further divided into two phases to meet current funding requirements. Renovation construction phase one, consisting of sitework to construct drive aisles, stormwater and bus canopies was let for bid on April 13, 2018. A single bid was received in response to the IFB. The number of bids received was non-complaint with NCGS §143-132(a).

Following value engineering, the project was released for bid on June 03, 2018. Bids were opened on July 03, 2018. Monteith Construction of Wilmington was the lowest responsive bidder.

Phase 2 - 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. Monteith Construction of Wilmington was the lowest responsive bidder. A construction contract will be considered by the Authority on August 23, 2018. Construction is expected to begin in September 2018. Project completion is contingent upon the availability of STBGP-DA funding and the amount of time taken to complete the flex process.

2. **Preventive Maintenance & ADA** - STBGP-DA funding in the amount of \$510,778 for preventive maintenance and ADA service throughout the region was approved by the WMPO in 2016. The process of flexing the funds from FHWA to FTA is complete and a grant for the funding has been submitted to FTA. The funds will assist the Authority in maintaining its fleet of fixed route buses and FTA funded facilities to meet the FTA *State of Good Repair Requirement*. The preventive maintenance funding will ensure that Wave Transit vehicles are safe, reliable, and provide a positive and comfortable experience on Wave Transit routes throughout the region.

Americans with Disabilities Act (ADA) compliance utilized under the funding will be used to offset the cost of providing complementary ADA service for passengers unable to access Wave Transit fixed routes. Paratransit services provided under the WMPO authorized funding include specialized origin to destination van service. In June 2018 the Authority provided 1,834 ADA passenger trips. The period of performance for the project is 07/01/2017 through 06/30/2018. *Project complete.*



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

August 6, 2018

WMPO Project Update List. New Hanover, Brunswick and Pender County

Project Update List for New Hanover County

Projects Under Construction - NHC

R-2633 BA – (Wilmington Bypass: C203199) construct a 4-lane divided highway from US 74/76 (near Malmo) to SR 1430 (Cedar Hill Road).

Open to traffic on December 18, 2017.

Estimated Completion Date: December 2018 (inclusive of punch list and vegetation period)

Percent Complete: 89.52%

U-3338B – (Kerr Avenue Widening: C203772) Widening of Kerr Ave. from Randall Prkwy to MLK, Jr. Prkwy. Installing storm drain throughout project, and grading Multi-Use Path at Kerr and Randall Prkwy.

Estimated Completion date: November 2018

Percent Complete: 77.46%

U-4751 – (Military Cutoff Road Extension: C203980) extending Military Cutoff Road from Market Street to the Wilmington Bypass, with an interchange at the Bypass west of US 17 Business (Market Street) to US 17 Business (Market Street) SR 1403 (Middle Sound Loop Road). Realignment of Lendire Road completed by state forces before project started.

Estimated Completion date: April 2022

Percent Complete: 11.68%

Bridges Under Construction - NHC

B-5236 – (New Hanover 29: C203957) New Hanover Replace Bridge #19 over Lords Creek on SR-1100

June 4th ICT1 complete and road opened

Currently undergoing vegetation establishment

Anticipated Completion date: November 2018

Percent Complete: 99%



Project Development - NHC

U-4902D: US 17 Business (Market Street) construct a “superstreet” (median) from SR 2734 (Marsh Oaks Drive) to Lendire Drive

Let Date October 2018

U-4902C: US 17 Business (Market Street) construct a “superstreet” (median) from Station Road to US 74 (MLK Parkway/Eastwood Rd)

Let Date February 2020

U-4902B: US17 US 17 Business (Market Street) Median Project from CSX Railroad to Cinema Dr and from Jacksonville St to North of US 117/NC132 (College Rd)

Let Date December 2020

B-4590: replace bridge #29 over Smith Creek on NC 133 (Old Castle Hayne Road)

Let Date April 2019

U-5710: US 74 (Eastwood Road) convert at-grade intersection to an interchange at US 17 (Military Cutoff Road).

Let Date September 2021

U-5710A: US 74 (Eastwood Road) construct roadway on new location between US 17 (Military Cutoff Road) & US 74 (Eastwood Road)

Let Date April 2020

U-5729: US 421 (Carolina Beach Road) from Burnett Avenue to US 117 (Shipyard Blvd) upgrade the roadway.

Let Date July 2021

U-5790: US 421 (Carolina Beach Road) Widen US 421 (Carolina Beach Rd) from NC132 (South College Rd) to Sanders Rd in Wilmington and construct intersection improvements at US 421 and NC 132.

Let Date June 2024

U-5731: US 74 (US 17/US 421 in Wilmington) Construct a Fly-Over and Free Flow Ramp at interchange.

Let Date June 2022

R-5701: US 117 Business & NC53 Intersection improvement.

Let Date June 2020

U-5734: US 421 (South Front Street) Widen to multi-lanes from US17 Business/US 76/US 421 (Cape Fear Memorial Bridge) to US 421 (Burnett Blvd.)

Let Date May 2023

Resurfacing Contracts - NHC

2017 New Hanover County Resurfacing (Futch Creek: DC00172) various secondary roads

Estimated Completion Date: June 2018

Percent Complete: 100%

I-5760 (I-140 Wilmington Bypass: C203868) resurface from I-40 to US 421 & reconstruction of bridge joints

Estimated Contract Completion Date: September 2018

Percent Complete: 90.92%

US 117/NC 132 S College Rd (C203888: W-5203AA, W-5601BB) from US 17 Business (Market Street) to SR 2313 (Wilshire Blvd.)

Estimated Contract Completion Date: September 2018

Percent Complete: 74.12%

High Value Bridge Program – NHC

Cape Fear Memorial Bridge (New Hanover 13: C204119) Structural Steel Repair, clean and grease ropes, lift span bearings

Estimated Completion Date: April 2019

Percent Complete: 15.81%

US76/Banks Channel (New Hanover 21) Girder repair, clean and paint bearings, epoxy caps

Let Date December 2018

Isabel Holmes Br (New Hanover 11) Girder repair, upgrade/paint structural steel, replace grid floor

Let Date February 2019

Cape Fear (I-140 E) (New Hanover 48) Shear Strengthen

Let Date July 2019

Cape Fear (I-140 W) (New Hanover 49) Shear Strengthen

Let Date July 2019

Project Update List for Brunswick County

Projects Under Construction – Brunswick County

ER-2971 – (Ocean Isle Beach Roundabout: DC00194)– Hwy 179 (Beach Drive) at Hwy 904 (Causeway Drive) SR 1184 (Ocean Isle Beach Road) in Ocean Isle

Contractor: Triangle Grading & Paving Inc.

Estimated Completion Date: August 2018

Percent Complete: 94.24%

Project Development- Brunswick County

R-5021: widening of NC 211 from NC 87 to NC 906 (Midway Road) to a 4-lane divided facility.

Let Date December 2018

U-5788: US 17 Business (Main Street) Realign intersection at Wall Street and Shallotte Avenue

Let Date May 2020

U-5862: US 17 (Shallotte Bypass) Upgrade intersection to interchange SR 1357 (Smith Avenue)

Let Date May 2021

U-5914: NC 133 Modernize Intersection at US 17/US 74/ US 76 to SR 1554 (Old River Road).

Let Date August 2019

U-5932: US 17 Convert Intersection to Interchange.

Let Date June 2024

Carolina Bays Parkway Extension

Project Overview and Purpose

The N.C. Department of Transportation, along with the S.C. Department of Transportation, is planning to build a multi-lane expressway that extends Carolina Bays Parkway (S.C. 31) from S.C. 9 in Horry County, S.C., across the North Carolina state line to U.S. 17 in Brunswick County.

The extension would provide a more direct and efficient movement of traffic seeking to bypass congestion within the areas of Calabash in North Carolina as well as Little River and the Grand Strand areas in South Carolina. It would also improve traffic flow and safety at the intersection of S.C. 9 and S.C. 57 and provide a more direct route for coastal truck traffic moving through North Carolina.

Project Highlights

A team of engineering firms, led by CALYX Engineers and Consultants, is under contract to conduct project development and environmental studies, which are being led by NCDOT and SCDOT in cooperation with local, state and federal agencies in both states.

Project development and environmental studies are underway to evaluate potential routes for the roadway from an engineering and environmental standpoint and to select a preferred route.

Currently only programmed for planning and environmental study. No schedule has been established for right-of-way acquisition or construction, which is not currently funded in North Carolina.

Resurfacing Projects - Brunswick County

2017 Brunswick County Resurfacing Contract (C203923) 1 Section of US 74/US 76, 2 Sections of NC 87, NC 179, NC 904/179, and 41 Sections of secondary roads.

Estimated Completion Date: July 2018.

Percent Complete: 98.09%

2018 Brunswick Resurfacing Contract: WBS (C204094, W-5203Y) US 76 E. & W., US 421 N., NC 130, NC 179, NC 904.

Estimated Completion Date: March 2019.

Percent Complete: 43.97%

High Impact / Low Cost funded projects

New project funding source – Brunswick County

1. NC 133 (flooding) Intersection of SR 1521 (Funston Road SE and NC 133 in Brunswick County Approximately a mile in each direction of the intersection.
WBS 80084
Project let August 2019
Anticipated Completion April 2020
2. Installation of traffic signal at US 17 & NC 87 (southern entrance) in Brunswick County
WBS 47783; work began February 2018
Completion Date: June 2019
3. Installation of traffic signals at the intersection of US 17 and Ocean Isle Beach Road, and the NB to SB U-turn location approximately 875 feet northeast of the referenced intersection in Brunswick County.
WBS 47879; work began February 2018
Completion Date: June 2019
Located in GSATS Boundary.
4. Caswell Beach Rd Infiltration System in Oak Island; funds not yet released

High Value Bridge Program – Brunswick County

Old Oak Island Bridge (Brunswick 14: C204185) Girder Repair

Estimated Completion Date: June 2019

Let May 2018

Holden Beach Bridge (Brunswick 71: C204185) Girder Repair

Let October 2018

Odell Williamson Bridge (Brunswick 13) Epoxy Coat Beam Ends

Let March 2019

Project Update List for Pender County

Bridges Under Construction – Pender County

B-4929 (Surf City Bridge on NC 50/210: C203789) Replace bridge #16 over the inter-coastal waterway with a fixed span high rise structure.

Estimated Contract Completion Date November 2020

Percent Complete: 86.05%

Project Development – Pender County

R-3300B: US 17 Hampstead Bypass: Construct a four-lane divided roadway on mostly new location from NC 210 to Sloop Point Loop Road. **R-3300B is fully funded**

Let December 2019

R-3300A: US 17 Hampstead Bypass: Construct a four lane divided roadway on new location from US 17 south of Hampstead to NC 210 **Currently unfunded section of Hampstead Bypass.** However, Design and Right of Way has been approved. NCDOT is pursuing funds to meet the same construction let date as R-3300B.

Let December 2019

U-5732: US 17 (Ocean Highway in Hampstead)

Convert to superstreet from SR 1582 (Washington Acres Road) to just south of US 17 and future Hampstead Bypass Limits. **Note: Will be built in conjunction with Hampstead Bypass.**

Let December 2019

Resurfacing Projects - Pender County

2018 Pender County Resurfacing Contract (C204090). 1-section of US-17, 1-section of NC-50, 1-section of NC-210, and 36 other various SR roads.

Estimated Completion Date: January 2019

Percent Complete: 63.47%

High Impact / Low Cost funded projects

New project funding source – Brunswick County

1. Hoover Road widening from proposed interchange to US 17 with 2' paved shoulders; currently under design

WBS 47785

Project let September 2018

Anticipated Completion March 2019

This project list was updated on August 2, 2018.

If you have any questions, please contact Caitlin Marks at the Division 3 Office: (910) 341-2000, cmmarks@ncdot.gov



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

August 2018

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NCDOT Transportation Planning Division
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AUGUST TPD UPDATES WILMINGTON MPO

August 2018

Wilmington Model Update – Wilmington MPO has requested that TPD update their model to a base year of 2015, previously the base year was 2010. The model is being updated so it can be accurately used in the next MTP. Currently, the engineers at TPD are setting up future year model, the MPO has sent in future year socio economic projections and the engineers at TPD have incorporated that into the model. The MPO is working on project list verification and once the NCDOT TPD receives that, they will continue working on the future 2045 model. There is still some information for the locals to verify, and we are hoping that if there are no further changes that need to be made – the future year model run will be made before end of August.

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.

Statewide Plan: TPD has selected WSP as the consultant for the Statewide Plan. A limited notice to proceed (NTP) has been issued to begin initial groundwork for this plan, and full NTP is anticipated in late July/early August. As stakeholders, MPO/RPOs will be engaged throughout the process.

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Corridor Studies: After establishing the Strategic Transportation Corridor (STC) network in 2015, the next step in implementation is the development of STC master plans, which are intended to establish a vision for each of the end-to-end corridors. Work began in early 2018 on the first two STC master plans, as follows:

- **Bundle #1** has been assigned to Kimley-Horn and includes **Corridor P** (Future I-42/US 70E/ NCR from I-440 in Wake County to Port at Morehead City), **Corridor S** (I-795/US 117 from I-95 in Wilson County to I-40 in Sampson County), and **Corridor X** (US 258/NC 11/US 13 from US 17 in Onslow County to US 64E in Edgecombe County)
- **Bundle #2** has been assigned to Atkins, and includes **Corridor U** (US 74W/US 74E/I 74 from I-26 in Polk County to US 117 in Wilmington) and **Corridor D** (US 321/CSX from South Carolina state line to Tennessee state line).

TPD has recently made the decision to temporarily pause the development of the STC Master Plans in order to reevaluate the scope and deliverables to make it a more useful and effective end product. A work group of internal and external partners to help reexamine this effort is currently being formed.

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

HERE Data: HERE Data is available for use for NCDOT business purposes, subsequently being available for RPO use. Data available for travel times and speed measures across the state. Program available at: <https://pda.ritis.org/suite>

FHWA News: Functional Classification - FHWA has an interactive map that shows the Federal highway system, freight network, fatal crashes, MPO information, and demographic maps at the county level.

Build NC: Governor Roy Cooper on Wednesday 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.

Brunswick County Model and CTP: The Brunswick County model is ongoing and future year model run is expected to be complete by end of August, soon after that the

model will close out. After the model is complete, the Brunswick County CTP will start in the new CTP 2.0 format.

Pender County CTP: The Cape Fear RPO has requested that Pender County CTP start as soon as possible, therefore, TPD plans on starting that study fall of this year in the new CTP 2.0 format.