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**Wilmington Urban Area Metropolitan Planning Organization
Bicycle and Pedestrian Advisory Committee
Meeting Agenda**

TO: WMPO Bicycle and Pedestrian Advisory Committee Members
FROM: Carolyn Caggia, Associate Transportation Planner
DATE: August 6, 2024
SUBJECT: August 13, 2024, Meeting

A meeting of the WMPO Bicycle and Pedestrian Advisory Committee will take place on Tuesday, August 13, 2024, at 2pm. The meeting will be held at 929 N Front St., Wilmington, 1st Floor, Conference Room #154F with a virtual component. The meeting can be joined at the following link:

<https://us06web.zoom.us/j/83050920255>

The following is the agenda for the meeting:

- 1. Call to Order**
- 2. Approval of the Agenda**
- 3. Public Comment Period**
- 4. Approval of Minutes from June 11, 2024 Meeting**
- 5. New Business**
 - People For Bikes grant program | *Al Schroetel*
 - Walktober & Bike Walk NC Summit | *Mo Linqvist*
 - Bicycle suitability map update | *Carolyn Caggia & Greer Shivers*
 - River to Sea (Sept 7, 2024) / Brunswick Heritage Riverside rides (Sept 28, 2024) | *Carolyn Caggia*
 - 2024 Get There Greener sustainable transportation challenge (October 2024) / Bike to Work Day, (October 11, 2024) | *Carolyn Caggia*
- 6. Old Business**
 - Trail lighting model policy | *Carolyn Caggia*
- 7. Updates and Announcements**
 - Cape Fear Cyclists | *Al Schroetel*
 - WMPO May Project Updates (in packet)
 - NCDOT Division 3 Updates (in packet)
- 8. Next Meeting**
 - Tuesday, October 8, 2024, at 2 pm
- 9. Adjournment**

Attachments:

- Minutes from the June 2024 BPAC Meeting
- WMPO July Project Updates
- NCDOT Division 3 July Project Updates
- Bicycle Suitability Map: wmpo.org/maps
- Trail lighting model policy - draft

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Meeting Minutes
Wilmington Urban Area Metropolitan Planning Organization
Bicycle and Pedestrian Advisory Committee
June 11, 2024

Members Present:

Sam Burgess, Cape Fear Cyclists
Carolyn Caggia, WMPO
Brad Cannon, Wave Transit
Nick Cannon, NC Board of Transportation
Adrienne Cox, NCDOT Division 3
Karlene Ellis-Vitalis, New Hanover County
Adrienne Harrington, Town of Belville
Rodney Kidd, Town of Carolina Beach
Mo Linqvist, Town of Kure Beach
Duncan McCabe, City of Wilmington
Karin Mills, City of Wilmington
Jessica Moberly, Town of Leland
Katie Ryan, Town of Wrightsville Beach
Carol Stein (Chair), Pender County
Steve Zinder, UNCW

Members Absent:

Steve Whitney, Brunswick County

Staff and Guests Present

Randy Cook, Cape Fear Cyclists
Brianna D'Itri, Wave Transit
Tara Duckworth, New Hanover County
Matt Hansman
Beth King, WMPO
Abby Lorenzo, WMPO
Vanessa Lacer, WMPO
Greer Shivers, WMPO

1. **Call to Order**
 - Carol Stein called the meeting to order at 2:02 pm.
2. **Approval of the Agenda**
 - Motion to approve was made by Steve Zinder. Motion was seconded by Mo Linquist. Motion passed unanimously.
3. **Public Comment Period**
 - Randy Cook, a member of the Cape Fear Cyclists, spoke about some concerns for bicycling, including: signage improvements for the Cross City Trail, requesting sharrows on Snow's Cut Bridge, requesting maintenance for worn-out downtown sharrows, and expressed support for the planned improvements to 5th Ave.
4. **Approval of minutes from December 2023 Meeting**
 - Motion to approve was made by Katie Ryan. Motion was seconded by Al Schroetel. Motion passed unanimously.
5. **Presentations**
 - There were no presentations.
6. **New Business**
 - **Metropolitan Transportation Plan (MTP) – Modal Policy** – Vanessa Lacer led the committee review of modal policy recommendations for the MTP, Cape Fear Navigating Change 2050. Each goal of the MTP has objectives per mode, and these are used to inform recommendations for policy development. BPAC's edits to these recommended policies will be reviewed by the MTP technical steering committee on June 20, 2024.
 - **Trail lighting model policy** – Carolyn Caggia presented a draft model trail lighting policy and requested BPAC's feedback on work done so far.
7. **Old Business**
 - **Bike Month Recap** – Carolyn Caggia stated that for Go Coast Bike Month, 46 participants logged 4,350.9 miles. Proclamations recognizing Bike Month were issued by the City of Wilmington, Town of Leland, and Town of Kure Beach. Bike To School Day had 2 participating elementary schools to good success.
8. **Updates**
 - The River to Sea Bike Ride is September 7, and the Brunswick Heritage Riverside Ride is September 28. The call for volunteers will be in July.
 - The WMPO Board meeting recognizing Chad Kimes' retirement will be Wednesday June 26, 3 pm, at 320 Chestnut St, 6th floor.
9. **Next Meeting**
 - Tuesday, August 13, 2pm – Location TBD
10. **Adjournment**

Motion to adjourn was made by Karin Mills. Motion was seconded by Rodney Kidd. Motion passed unanimously and the meeting adjourned at 4:02 p.m.

WILMINGTON URBAN AREA MPO

July 2024

CAPE FEAR NAVIGATING CHANGE 2050

Project Description/Scope: The WMPO has begun the planning process for our region's 2050 Metropolitan Transportation Plan (MTP), Cape Fear Navigating Change 2050. A long-range Metropolitan Transportation Plan for the region is federally required and must be developed, updated, and adopted by the WMPO every five years. The final plan will be used by federal, state, and local governments to guide decision-making for transportation projects in our region over the next 25 years, including which projects receive state or federal funding, the design and location of local roadways, coordinating land use and development, and identifying projects for further plans and studies. Planning activities began in April of 2023 with plan adoption expected in November of 2025.

Project Status and Next Steps:

- Beginning in June 2023, a Citizen Advisory Committee (CAC), to guide public outreach was convened. The CAC met during phase 1 of public outreach and will be convened next in June of 2025 during phase 2 of public outreach to review the draft plan.
- Beginning in July 2023, a MTP Technical Steering Committee (MTPC), tasked with guiding plan development, was convened.
- In May 2024, the MTP Technical Steering Committee (MTPC) finalized the vision, goals, and objectives for the plan as well as the development of metrics through which draft projects will be scored for inclusion in the MTP. The WMPO Board adopted the Plan vision, goals and objectives at their meeting on May 29, 2024.
- The MTP Technical Steering Committee finalized the modal policies in June. The MTPC will be reconvened in June 2025 to review the draft plan.
- WMPO staff are currently working with a consultant, Kimley-Horn, to identify cost estimates for draft projects, and with the metrics created by the MTPC to score projects. WMPO staff will provide a ranked draft project list, with cost estimates, to the TCC and Board in fall of 2024.

NCDOT IMD FEASIBILITY STUDY GRANTS

In July 2022, the North Carolina Department of Transportation (NCDOT) was allocated \$2 million in one-time funding from the North Carolina General Assembly to establish a Paved Trails Feasibility Study Program. The Integrated Mobility Division (IMD) was also awarded \$500,000 in State Planning and Research (SP&R) funds to support sidewalk and shared-use path feasibility studies. The purpose of the Paved Trails and Sidewalk Feasibility Studies Grant Program is to improve the pipeline of bicycle and pedestrian projects accessing state and federal funding, resulting in successful implementation of projects led by communities prioritizing multimodal infrastructure.

Wilmington Downtown Trail Phases 2 & 3:

The Downtown Trail will eventually connect the River to Sea Bikeway to the future Multimodal Transportation Center, Cape Fear Community College, and the Riverwalk. In between these locations, the trail will provide a recreational facility for several communities in proximity to the downtown. The project currently consists of three phases. The first phase, from 3rd Street to

Archie Blue Park, is in the preliminary engineering phase. The purpose of this study would be to assess the feasibility of constructing Phases 2 and 3. A scoping meeting with NCDOT IMD and the selected consultant, Kittelson, was held on May 2, 2023.

Project Status and Next Steps:

- The first steering committee took place on October 17, 2023.
- The first public outreach sessions took place October-December 2023. Public engagement consisted of in-person events and an online survey that included an online comment map. In all, 486 survey responses were collected, 352 map comments were received, and 59 in-person conversations were conducted.
- The second steering committee meeting was held May 8, 2024.
- The second public outreach session is under way during summer 2024. Public engagement consists of two in-person events (listed below) and an online survey open through July 15, 2024.
 - Frankie’s Outdoor Market, 6/15/24
 - Nir Family YMCA, 6/18/24
- Draft study report anticipated in summer 2024.

Gullah Geechee Heritage Trail:

The purpose of this study would be to assess the feasibility of constructing a 10’-12’ multi-use path facility in the Gullah Geechee Heritage Corridor from Phoenix Park in Navassa to Brunswick Nature Park in unincorporated Brunswick County. The Gullah Geechee Heritage Corridor is designated as a Cultural Heritage Area by U.S. Congress, presenting an opportunity to educate the public about the history of the Gullah Geechee people and highlight historical sites within Brunswick County. A scoping meeting with NCDOT IMD and the selected consultant, Kittelson, was held on May 2, 2023.

Project Status and Next Steps:

- The first steering committee took place in September 2023.
- The first public outreach sessions took place during September/October 2023. There was an online survey open through the entire month of October as well. 370 surveys were completed with 120+ in-person conversations during this round of public outreach.
- The second steering committee took place on January 4, 2024.
- The second public outreach session took place in March 2024. An online survey, which received 137 responses, was available throughout March and three public meetings were held to collect input.
- The third and final steering committee meeting was held on June 12, 2024. The steering committee was provided a presentation on the draft recommended preferred alignment.
- Draft study report was received on June 26, 2024. WMPO staff will review and submit comments.
- Presentations to the WMPO Board and four Brunswick County jurisdictions in August/September prior to requesting consideration by governing boards for adoption.

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:

Site Plan Reviews:

- New Hanover County Formal Plan Reviews: 18 reviews
- New Hanover County Informal Plan Reviews: 6 reviews
- New Hanover Concept Reviews: 0 review
- Town of Leland Concept Plan Reviews: 0 reviews
- Town of Leland Formal Reviews: 3 reviews
- Town of Leland Informal Reviews: 1 review
- Town of Navassa Formal Plan Reviews: 0 reviews
- Town of Navassa Informal Reviews: 0 reviews
- Town of Navassa Concept Reviews: 0 reviews
- Town of Belville Formal Reviews: 0 reviews
- Town of Carolina Beach Formal Reviews: 0 reviews
- Town of Carolina Beach Informal Reviews: 0 reviews
- Town of Carolina Beach Concept Reviews: 0 reviews
- Brunswick County Formal Plan Reviews: 0 reviews
- Brunswick County Informal Plan Reviews: 0 reviews
- Pender County Formal Reviews: 15 reviews
- Pender County Informal Reviews: 3 reviews
- Pender County Concept Reviews: 0 reviews
- City of Wilmington Formal Reviews: 42 reviews (9 new, 33 on-going)
- City of Wilmington Informal Reviews: 11 reviews (4 new, 7 on-going)
- City of Wilmington Concept Reviews: 1 review (1 new, 0 on-going)
- City of Wilmington Full Releases: 4

TIA Reviews: 25 total active (1 new; 23 under review; 2 approved)

- New Hanover County 4 (1 new, 3 under review, 0 approved),
- City of Wilmington 7 (1 new, 6 under review, 1 approved),
- Carolina Beach 1, (0 new, 1 under review, 0 approved),
- Town of Belville 0,
- Town of Leland 1 (0 new, 1 under review, 0 approved),
- Town of Navassa 1, (0 new, 0 under review, 1 approved),
- Pender County 8 (0 new, 8 under review, 0 approved) and
- Brunswick County 3 (0 new, 3 under review, 0 approved)

STBGP-DA/TASA-DA/CRRSAA **FY2013 to Present**

U - 5527C NEW HANOVER COUNTY - Middle Sound Loop Extension/Connector Construction & Porters Neck Walmart Connector Construction

Project Description/Scope: construction of bicycle/pedestrian trails along Middle Sound Loop Road from Red Cedar Road to Publix commercial lot. Also construct trails along US 17 Business (Market Street) from Mendenhall Drive to Porter's Neck Wal-Mart commercial lot.

Project Status and Next Steps:

- Right of way acquisition is complete and was sent to NCDOT for ROW certification.
- Right of way certification received.
- Design and ROW complete and awaiting construction once MSL portion is complete.
- Construction bidding anticipated in late Summer 2024/early Fall 2024
- Complete and ready for bidding, just awaiting Middle Sound connection completion, will bid as one project

U-5534C - WRIGHTSVILLE AVENUE/GREENVILLE AVENUE TO HINTON AVENUE

Project Descriptions/Scope: The project is for construction of intersection re-alignment improvements at the intersection of Wrightsville Avenue/Greenville Avenue and bike lanes and sidewalks along Greenville Avenue from Wrightsville Avenue to Hinton Avenue.

Project Status and Next Steps:

- NCDOT ROW Certification obtained November 23, 2023
- Utility Authorization obtained January 4, 2024
- Duke Energy Utility Relocations - In Progress
- Advertise for Bid – Summer 2024
- Begin Construction Late Fall/Early Winter 2024
- Construction Complete Late Fall/Early Winter 2025

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

Project Descriptions/Scope: The project consists of the construction of a 8' wide multi-use path along Hooker Road from Wrightsville Avenue to Mallard Drive/Rose Ave intersection

Project Status and Next Steps:

- NCDOT ROW Certification obtained November 23, 2023
- Advertise for Bid Summer 2024
- Begin Construction Late Fall/Early Winter 2024
- Construction Complete Late Fall/Early Winter 2025

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

Project Descriptions/Scope: This project consists of the construction of an 8' wide multi-use path along Hinton Avenue from Park Avenue to Greenville Avenue.

Project Status and Next Steps:

- NCDOT ROW Certification obtained November 23, 2023
- Utility Authorization obtained January 4, 2024

- Duke Energy Utility Relocations - In Progress
- Advertise for Bid – Summer 2024
- Begin Construction Late Fall/Early Winter 2024
- Construction Complete Late Fall/Early Winter 2025

U-5534I –TOWN OF LELAND- VILLAGE ROAD MULTI-USE PATH EXTENSION

Project Descriptions/Scope: The construction of a 8 foot wide concrete path from the connection at the Brunswick Center in Leland across the front of the library property, down Village Road, ending on the western edge of the First Baptist Church property before the Sturgeon Creek Bridge.

Project Status and Next Steps:

- Construction commenced February 8, 2021
- Final Payment was sent on August 22, 2023
- NCDOT received payment and processed Final Invoices from the Town
- Town closed out Project Accounts June 20, 2024
- Project completion June 30, 2024

U-5534J – TOWN OF LELAND- OLD FAYETTEVILLE LOOP ROAD PEDESTRIAN LOOP

Project Descriptions/Scope: The construction of sidewalks in three locations: 1) The construction of an 8-foot concrete sidewalk along Village Road from Town Hall Drive to the apartment complex and widening the existing 5-foot sidewalk in front of the apartment complex to 8 feet. 2) The construction of a 6-foot sidewalk along Town Hall Drive from Village Road NE to the sidewalk that exists by the new Town Hall. 3) The construction of a 5-foot sidewalk along Old Fayetteville Road from the existing sidewalk in front of the apartment complex to Village Road NE.

Project Status and Next Steps:

- Construction commenced February 8, 2021
- Final Payment was sent on August 22, 2023
- NCDOT received payment and processed Final Invoices from the Town
- Town closed out Project Accounts June 20, 2024
- Project completion June 30, 2024

U-5534K – TOWN OF LELAND- LELAND MIDDLE SCHOOL SIDEWALK

Project Descriptions/Scope: The construction of 5-foot-wide concrete sidewalk adjacent to Old Fayetteville Road from Ricefield Branch Road to the US Hwy 74/76 overpass after Glendale Drive with connections to Leland Middle School and the surrounding neighborhoods.

Project Status and Next Steps:

- Construction commenced February 8, 2021
- Final Payment was sent on August 22, 2023
- NCDOT received payment and processed Final Invoices from the Town
- Town closed out Project Accounts June 20, 2024
- Project completion June 30, 2024

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 was awarded to the low bidder; Morgan Trucking and General Construction Inc.
- A Pre-Con Meeting was held on February 28, 2024.
- Notice To Proceed (NTP) Date was March 11, 2024.
- Substantial completion date is 210 days from NTP, with a Final completion Date of 365 days from NTP.
- Material Submittals have been entered into the NC EBS Portal for approval.
- Mobilization has taken place; Lay Down Area was established with the Wilmington Lodge on S. College Rd.
- Erosion Control Has been Installed and Materials ordered accordingly.
- Construction Progress to date includes: Curb & Gutter and Sidewalk along Holly Tree Rd. has been completed, N.W. & S.E. Handicap Ramps on College Rd have been completed.
- Currently installing drainage system across Holly Tree Rd. (Night Work)
- All concrete and drainage work completed.
- Guardrail and Handrails installed.
- In the process of installing signal work.

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:

- Final plans & contract documents are being prepared for NCDOT review & approval
- CE Document has been approved
- Right-of-way authorization approved
- Town has obtained all three (3) of three (3) easements needed to construct path. Easements are in the process of being recorded.
- DOT encroachment application is being submitted
- Right of Way Certification will be requested once easements are recorded.
- Request for construction funds authorization forthcoming

U-6235 – CITY OF WILMINGTON/NEW HANOVER COUNTY – SIGNAL PRE-EMPTION PHASE 2

Project Description/Scope: The project will install traffic pre-emption equipment at 50 locations throughout the City of Wilmington and New Hanover County and GPS equipment on emergency response vehicles.

Project Status and Next Steps:

- Design contract approved May 5, 2021, by City Council and execution is complete.

- Design contract amendment completed with minor changes: 100% plans expected soon.
- Project has received City Council and WMPO Board approval to request additional funding from NCDOT. Next step is a formal Change Request to NCDOT.
- Project has received a 2-year extension to April 30, 2027, from NCDOT to allow additional funding requests, bidding, construction and closeout.
- Expected project bid date is April 2025.

U-6039 – CAROLINA BEACH – ST. JOESPH BIKE LANES

Project Description/Scope: Construct Bike Lanes along St. Joseph Avenue and Lewis Drive from Lake Park Boulevard to Access Drive in Carolina Beach

Project Status and Next Steps:

- NCDOT funding availability reopened January 25, 2021
- Town Council elected to move forward with the project
- Agreement executed with NCDOT on August 18, 2021
- Design discussions held with Kimley-Horn & Associates (KHA) on August 31, 2021
- Public meeting held on March 24, 2022, to present three (3) design alternatives for bike path on St. Joseph
- KHA presented to Town's Bike & Pedestrian Committee summary of comments on April 18, 2022
- KHA presented at Town Council regularly scheduled meeting on May 10, 2022
- Town Council approved Option 3 on May 10, 2022, as presented by KHA
- On May 25, 2022, project managers submit RFLOI to NCDOT prequalified engineering firms with a response deadline of June 8, 2022
- Responses to RFLOI reviewed by WMPO/Town of Carolina Beach
- On July 12, 2022, the Town of Carolina Beach selected KHA as the design firm
- On September 22, 2022, the Town received a Letter of Agreement from KHA for Scope of Services and Project Engineer Design Estimate.
- The Town has uploaded documentation via EBS portal for review and approval.
- The Town has obtained NCDOT approval in January 2023
- Project meeting with consultant held March 2023
- Project survey completed in July 2023
- Received 30% plans from Kimley Horn and submitted via EBS.
- FY24 grant awarded for estimated construction costs
- April 17 supplemental agreement has been fully executed.
- The Town, with Kimley Horn, held a public meeting April 23, 2024.
- Received approval for change request to add ROW as eligible expense.
- TOCB/NCDOT and consultant met on May 30, 2024, to discuss the status of the project
- Received 75% plans from Kimley Horn, submitted via EBS.
- Received supplemental agreement for ROW/TCE from Kimly Horn, submitted unexecuted copy via EBS.

TASA-DA/CRRSAA/STIP

BL-0045 – DOWNTOWN GREENWAY PH. 1 DESIGN

Project Description/Scope: design and engineering for an approximately 2.2 mile long, 10' to 12' in width portion of the trail beginning at 3rd street in the Downtown within the NCDOT owned rail corridor to McRae St (defined in the Wilmington Rail Trail Master Plan); abutting the Dorothy B. Johnson Elementary School western parcel line; traversing east along CSX right-of-way to Archie Blue Park; and continuing north through Archie Blue Park, parallel to the creek and terminating at the Love Grove Bridge multi-use path facility.

Project Status and Next Steps:

- Agreement executed by NCDOT on April 20, 2022
- City selected an on-call engineering consultant (WSP) to perform design and engineering. A scope and fee were agreed upon and approved by NCDOT.
- Award of contract by City Council on September 6, 2022.
- Notice to proceed issued on October 2, 2022.
- Supplemental scope of services for project management activities, NCDOT and CSX rail coordination, and additional survey tasks submitted on April 13, 2023 with NTP on additional services issued on June 12, 2023.
- NCDOT Rail Division is contracting with WSP on the preliminary concept design for rail track layout to determine final alignment of the Downtown Trail facility.
- NCDOT Rail Division Staff, City of Wilmington, and WMPO staff met with Cape Fear Community College President Jim Morton on July 24th to discuss both the Rail Division and City's efforts coordinating future passenger rail track and trail layout in the project corridor.
- Agreement reached with CSX regarding the trail crossing design and safety measures at King Street.
- CSX has indicated that a crossing of its active corridor outside of the King Street right-of-way will not be permitted. The City is currently evaluating alternative alignment options for the trail to connect to King Street from the NHC School property via Hall and 11th Streets.
- NCDOT Rail Division contracted with WSP and has developed conceptual track and trail alignment within the corridor between 3rd Street and McRae Street. Verbal concurrence with this alignment has been given by NCDOT Rail Division.
- Restart of design efforts underway in February and March 2024.
- Meeting with emergency services representatives to discuss alternatives for the ADA access ramp relocation within the gulch corridor.
- Request to CSX for additional discussion regarding an allowance for the trail corridor to cross ROW north of 11th Street to minimize utility and tree impacts anticipated from new alignment on Hall and 11th Streets.
- Draft scope addendum and fee for additional design services resulting from NCDOT Rail's conceptual track and trail layout submitted by WSP to City for review and comment.
- CSX denied the City's second request to cross ROW north of 11th and King Streets. City Staff and Consultant Team have identified one additional strategy for securing CSX approval and is pursuing currently.

- Draft MOU between NCDOT Rail and City of Wilmington pertaining to the future trail section within Wilmington Lead Corridor has been drafted by NCDOT and is under review by City Staff.
- City staff and WSP to provided presentations to both the Deputy City Manager and Design Review Committee in June on the City's coordination efforts during the past 18 months, project next steps, and remaining obstacles.

BL – 0059 TOWN OF KURE BEACH - FORT FISHER BOULEVARD/K AVENUE AND NORTH 3RD STREET PEDESTRIAN SAFETY IMPROVEMENTS

Project Description/Scope: This project entails intersection improvements at Ft. Fisher Boulevard and K Avenue to include high visibility crosswalks, ADA ramps, and pedestrian signals; and filling gaps in the sidewalk network on Ft. Fisher Boulevard and N. 3rd Street that will create a pedestrian network connected to the Ft. Fisher Boulevard and K Avenue intersection.

Project Status and Next Steps:

- Project kick-off meeting in March 2023
- Contract approved by Kure Beach Town Council in June 2023
- Meeting with NCDOT, WMPO, WithersRavenel, and Town of Kure Beach was held on August 8, 2023
- Survey started in September 2023
- 60% plans are currently under review.

BL-0074 – TOWN OF LELAND- US 17 Pedestrian crossing at Olde Waterford Way/Ploof Road

Project Descriptions/Scope: Installation of signalized pedestrian crossing at the intersection of US 17/Olde Waterford Way/Ploof Road in Leland, NC

Project Status and Next Steps:

- NCDOT Agreement executed Aug 24, 2023
- PE funds authorized September 14, 2023
- NCDOT/Town of Leland has selected Exult Engineering to design the project
- Survey and Design anticipated to commence Fall 2024
- Project Completion September 14, 2028

EB-5600 – S. 17TH STREET MULTI-USE PATH

Project Description/Scope: This project consists of the construction of a 10' multiuse path along South 17th Street from Harbour Drive to Shipyard Boulevard and the installation of crosswalks and pedestrian signal heads at the intersection of South 17th Street and Shipyard Boulevard.

Project Status and Next Steps:

- Agreement executed with NCDOT on May 24, 2022
- PE Authorization obtained on January 20, 2023
- Design kick-off meeting between City and RS&H staff held on January 31, 2023
- 25% Plans approved by NCDOT on February 12, 2024
- Natural Resources Technical Report (NRTR)/Environmental Document is in progress

- Redline Drainage Plans approved by NCDOT on April 22, 2024
- Environmental Document approved on May 7, 2024

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:

- 100% plans approved by NCDOT
- Contract proposal (with cost estimate) approved April 11, 2022
- CEI contract award in October 2022
- Construction authorization February 2023
- CE Consultation approved by NCDOT (revised b/c Tricolored Bat is on the potentially endangered species list. CE Consultation signed by both Withers Ravenel and NCDOT).
- NCDOT approved bid documents.
- Bid solicitation in September 2023
- Bid opening in October 2023
- Re-bid and opening in November 2023
- Request additional funds for construction January 2024
- Pre-construction meeting April 2024
- Start of construction June 2024

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

Project Description: The project consists of the construction of a multi-use path of eight feet (8') wide located along NC 133 connecting north and south entrances of Hawks Water Development to Belville Elementary School.

Project Status and Next Steps:

- 100% plans approved by NCDOT
- Contract proposal (with cost estimate) approved April 11, 2022
- CEI contract award in October 2022
- Construction authorization February 2023
- CE Consultation approved by NCDOT (revised b/c Tricolored Bat is on the potentially endangered species list. CE Consultation signed by both Withers Ravenel and NCDOT).
- NCDOT approved bid documents.
- Bid solicitation in September 2023
- Bid opening in October 2023
- Re-bid and opening in November 2023
- Request additional funds for construction January 2024
- Pre-construction meeting April 2024
- Start of construction June 2024

EB-6027 – NEW HANOVER COUNTY -MIDDLE SOUND GREENWAY

Project Description: Design only of the Middle Sound Greenway connection to Publix

Project Status and Next Steps:

- Final approval of utility plan received from CFPUA. Plans are currently being updated to reflect required changes.
- Right of Way Certification received
- NCDOT re-reviewing Categorical Exclusion (expired)
- Construction bidding anticipated in late Summer 2024/ early Fall 2024

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:

- The project was awarded to the low bidder; Morgan Trucking and General Construction Inc.
- A Pre-Con Meeting was held on 02/28/2024.
- Notice To Proceed (NTP) Date is 03/11/2024.
- Substantial completion date is 210 days from NTP, with a Final completion Date of 365 days from NTP.
- Material Submittals have been entered into the NC EBS Portal for approval.
- Design work on the signal arm mast has begun.
- Soils Testing and Design Work completed by contractor and submitted into the NCDOT EBS System for Approval.
- Supplemental Agreement to extend the timeline for EB-6028 has been submitted to NCDOT and is in the process of being signed off on by the City of Wilmington, NC.
- NCDOT approved the Mast Arm design and it is in the fabrication phase.
- NCDOT approved the Supplemental Agreement for additional time.

TC – 0021 WAVE PASSENGER AMENITIES AND UPGRADES

Project Description/Scope: Cape Fear Public Transportation Authority (WAVE transit) currently has a total of 440 bus stops, 24 benches and 27 shelters. Shelters only represent 6% of our passenger amenities, while other NC agencies average 14%. To meet the peer average for statewide systems, CFPTA needs to install an additional twenty-six (26) benches and twenty (20) shelters. This project will support the installation of a total of nine (9) bus stop benches and ten (10) bus stop shelters along eight (8) transit routes located within the City of Wilmington. The project includes engineering and design, construction of concrete pads, ADA ramps, ADA access, and purchase and installation of durable bench and/or shelter, waste receptacle, and solar lighting, where applicable.

Project Status and Next Steps:

- The project was awarded funds in November 2021
- NC Board of Transportation approved the flex request in January 2023
- Flex request confirmed end of April 2023
- Letters from NCDOT transmitted May 23, 2023
- Contract awarded to Tolar
- Amenities will be deployed based on outcome of Short-Range planning review

TC-0027 WAVE PASSENGER AMENITIES AND UPGRADES

Project Description: Passenger Facilities and amenities replacement, security, and improvement: acquire, construct, or replace structures, equipment, and systems that provide passenger facilities and amenities for fixed route bus service in the Wilmington, NC UZA. Projects include acquisition and installation of bus shelters, lighting and landing platforms along existing routes; evaluation of a new customer service enclosure at Forden Transfer Station; and extension of fencing at Padgett Transfer Station.

Project Status and Next Steps:

- The fencing at Padgett was completed in May 2023 (132 linear feet at Padgett for \$3,565.00)
- Proposals were received as part of an Invitation to Bid for the shelters and benches in Spring 2023. Tolar was selected.
- A RFQ was issued in March for Forden Station designs to improve Customer Service Representative safety in the facility. A firm was selected to design those improvements in April.
- Designs finalized in May. Construction drawings expected in June 2024. Once received, WAVE will issue RFP for construction.

TRANSPORTATION DEMAND MANAGEMENT PROGRAM

Project Description/Scope: The TDM “Go Coast” program works to increase the use of alternative transportation by WMPO residents and decrease Vehicle Miles Traveled (VMT). The WMPO Board approved Cape Fear Change in Motion 2020, the short-range TDM Plan which will guide Go Coast initiatives from 2021 to 2025. This plan identifies seven short-range strategies to increase mobility options and reduce traffic in the WMPO region. These strategies are: Alternative Work Schedules, Bike Share Program, Carpool and Vanpool, Consulting for Telecommuting Opportunities, Fostering a Bicycle and Pedestrian Friendly Culture, Improved TDM-Focused Collaboration, and Personalized Commuter Plans.

Go Coast current initiatives and project status:

1. Go Coast Committee - The next Go Coast committee meeting will occur virtually on July 11, 2024, at 3 PM. The next regular Go Coast committee meeting will be in-person on August 15, 2024, at 3 PM.
2. Bicycle Helmet Initiative – In April, the WMPO was awarded 100 children’s bicycle helmets through NCDOT’s Bicycle Helmet Initiative for distribution to children from low-income families with bicycle safety education. Staff is participating in outreach events throughout the year to distribute helmets to children and educate families on bicycle safety.
3. Short Range TDM plan update – WMPO staff have begun work to update the short-range TDM plan, *Cape Fear Change in Motion 2020*. A public engagement period to inform this update is scheduled for September through November 2024. Steering committee meetings are ongoing with the update scheduled for completion by November 2025.

4. Annual WMPO-organized bike rides – Planning has begun for the 34th Annual River to Sea Bike Ride and the 4th Annual Brunswick Heritage Riverside Ride. The rides will take place September 7, 2024, and September 28, 2024, respectively.

WMPO JULY PROJECTS IN DEVELOPMENT

Project Manager	Contract Type	TIP	Description	County	*SAP Let Date (year.month.date)
Brian Harding	DDRL	U-6202	SR 2048 (GORDON ROAD) FROM US 17 (MARKET STREET) TO I-40. WIDEN ROADWAY.	NEW HANOVER	2024.09.17
Brian Harding	LAP	HL-0109	SOUTH 3RD STREET INSTALLATION OF TRAFFIC SIGNALS WITH PEDESTRIAN SIGNAL HEADS AT INTERSECTION OF SOUTH 3RD STREET AND ANN STREET IN WILMINGTON.	NEW HANOVER	2025.02.28
Trace Howell	DDRL	R-3300A	US 17 HAMPSTEAD BYPASS FROM US 17 BYPASS SOUTH OF HAMPSTEAD TO NC 210	NEW HANOVER, PENDER	2025.07.15
Derek Pielech	DPOC	BP3-R004	REPLACE BRUNSWICK BRIDGE 181 OVER STURGEON CREEK ON SR 1437 (OLD FAYETTEVILLE ROAD) (PREVIOUSLY 17BP.3.R.84).	BRUNSWICK	2025.09.18*
Brian Harding	LAP	HL-0110	SOUTH 3RD STREET INSTALLATION OF TRAFFIC SIGNALS WITH PEDESTRIAN SIGNAL HEADS AT INTERSECTION OF SOUTH 3RD STREET AND ORANGE STREET IN WILMINGTON.	NEW HANOVER	2025.09.30
Derek Pielech	LET	15BPR.142	BRIDGE PRESERVATION. BRIDGE 090096 OVER US 74 & US 76 ON US 17; BRIDGE 090198 OVER ICW & NC 179 ON SR 1172.	BRUNSWICK	2026.09.15
Trace Howell	DDRL	U-5710	US 74 (EASTWOOD ROAD) SR 1409 (MILITARY CUTOFF ROAD) INTERSECTION - CONVERT AT-GRADE INTERSECTION TO AN INTERCHANGE.	NEW HANOVER	2026.09.15
Trace Howell	DDRL	U-5734	US 421 (SOUTH FRONT ST.) FROM US 17 BUSINESS/US 76/US 421 (CAPE FEAR MEMORIAL BRIDGE) TO US 421 (BURNETT BOULEVARD) WIDEN TO MULTI-LANES.	NEW HANOVER	2027.06.15
Zach Howard	DPOC	U-5954	NC 133 (CASTLE HAYNE ROAD) AT NORTH 23RD STREET. CONSTRUCT A ROUNDABOUT.	NEW HANOVER	2027.06.15
Derek Pielech	DPOC	BP3-R012 17BP.3.R.93	BRIDGE 208 OVER STURGEON CREEK ON SR 1472 (VILLAGE ROAD).	BRUNSWICK	2027.07.03
David Stutts	DPOC	BR-0008	BRIDGE PRESERVATION. BRIDGE 7 ON US 17 OVER US 76. THIS IS PART OF THE INTERCHANGE WEST OF THE CFMB.	BRUNSWICK	2027.09.21
Derek Pielech	DPOC	B-5653	PENDER BRIDGE 14 ON NC 133 OVER TURKEY CREEK.	PENDER	2028.01.20

WMPO JULY PROJECTS IN DEVELOPMENT

Project Manager	Contract Type	TIP	Description	County	*SAP Let Date (year.month.date)
Derek Pielech	DPOC	HB-0040	REPLACE BRIDGE 21 OVER BANKS CHANNEL ON US 76 (CAUSWAY DRIVE); REPLACE BRIDGE 22 OVER LEES CUT ON US 74 (W SALISBURY STREET); AND REPLACE BRIDGE 24 OVER BANKS CHANNEL ON US 74 (W SALISBURY STREET) IN WRIGHTSVILLE BEACH	NEW HANOVER	2028.03.21
Trace Howell	DDRL	U-5792	US 74 (MARTIN LUTHER KING JR. PARKWAY) AT US 117/NC 132 (COLLEGE ROAD). CONVERT AT-GRADE INTERSECTION TO INTERCHANGE.	NEW HANOVER	2028.06.20
Trace Howell	DDRL	U-3338C	SR 1175 (KERR AVENUE) INTERCHANGE AT US 74 (MARTIN LUTHER KING JR PARKWAY).	NEW HANOVER	2028.06.20
Brian Harding	DDRL	U-5792	US 117 / NC 132 (COLLEGE ROAD) FROM US 17 BUSINESS (MARKET STREET) TO SR 2048 (GORDON ROAD). UPGRADE ROADWAY.	NEW HANOVER	2028.06.20
Trace Howell	DDRL	U-5790	US 421 (CAROLINA BEACH ROAD) FROM NC 132 (SOUTH COLLEGE ROAD) TO SANDERS ROAD IN WILMINGTON. WIDEN EXISTING ROADWAY AND CONTRUCT FLYOVERS AT US 421 AND NC 132. INCLUDES U-5859.	NEW HANOVER	2029.03.20
Brian Harding	DDRL	U-5731	US 74 AT US 17/US 421, CONSTRUCT A FLY-OVER AND FREE FLOW RAMP AT INTERCHANGE.	NEW HANOVER	2029.06.19
Brian Harding	DPOC	U-6128	US 76 (OLEANDER DRIVE) NEW HANOVER COUNTY AT GREENVILLE LOOP ROAD AND GREENVILLE AVENUE. UPGRADE INTERSECTION.	NEW HANOVER	2029.06.21
Brian Harding	DDRL	U-5729	US 421 (CAROLINA BEACH ROAD) FROM US 421 (BURNETT AVENUE) TO US 117 (SHIPYARD BOULEVARD) IN WILMINGTON UPGRADE ROADWAY.	NEW HANOVER	2029.07.17
Zach Howard	DDRL	U-4902C	US 17 BUSINESS (MARKET STREET) FROM NORTH OF US 117/NC 132 (COLLEGE ROAD) TO STATION ROAD & INTERCHANGE.	NEW HANOVER	2029.08.21
Trace Howell	DDRL	U-6199	VARIOUS, WILMINGTON CITYWIDE SIGNAL SYSTEM.	NEW HANOVER	2030.01.15
Trace Howell	DPOC	U-6201	SR 1175 (KERR AVENUE) FROM SR 1411 (WRIGHTSVILLE AVENUE) TO US 76 (OLEANDER DRIVE). CONSTRUCT ROADWAY ON NEW LOCATION.	NEW HANOVER	2030.01.17
Trace Howell	DDRL	U-4434	WILMINGTON, INDEPENDENCE BLVD EXT FROM RANDALL PARKWAY TO MARTIN LUTHER KING, JR. PARKWAY.	NEW HANOVER	2030.12.17
Trace Howell	DDRL	U-5732	US 17 FROM SR 1582 (WASHINGTON ACRES ROAD) TO VISTA LANE. ACCESS MANAGEMENT.	PENDER	2031.01.21*
Trace Howell	DDRL	U-5702A	NC 132 (COLLEGE ROAD) FROM SR 1272 (NEW CENTRE DRIVE) TO US 117 (SHIPYARD BOULEVARD).	NEW HANOVER	2031.02.18

WMPO JULY PROJECTS IN DEVELOPMENT

Project Manager	Contract Type	TIP	Description	County	*SAP Let Date (year.month.date)
Trace Howell	DDRL	U-5704	NC 132 (COLLEGE ROAD) AT US 76 (OLEANDER DRIVE).	NEW HANOVER	2031.03.18
Trace Howell	DDRL	U-5881	NC 132 (COLLEGE ROAD) FROM SR 2048 (GORDON ROAD) TO SR 1272 (NEW CENTRE DRIVE). UPGRADE ROADWAY.	NEW HANOVER	2031.05.20
Zach Howard	DDRL	U-4902B	US 17 BUSINESS (MARKET STREET) FROM THE CSX RAILROAD TO CINEMA DRIVE AND FROM JACKSONVILLE STREET TO NORTH OF US 117/NC 132 (COLLEGE ROAD).	NEW HANOVER	FY
Trace Howell	DDRL	U-5702B	NC 132 (COLLEGE ROAD) FROM US 117 (SHIPYARD BOULEVARD) TO US 421 (CAROLINA BEACH ROAD) ACCESS MANAGEMENT AND TRAVEL TIME IMPROVEMENTS.	NEW HANOVER	FY
Brian Harding	DDRL	U-5863	NC 133 (CASTLE HAYNE ROAD) FROM I-140 / US 17, WILMINGTON BYPASS TO SR 1310 (DIVISION DRIVE) WIDEN TO MULTI LANES.	NEW HANOVER	FY

*Dates are subject to change.

Update provided: 07/05/2024

PO: WMPO

Contact: Michelle Howes, mnhowes@ncdot.gov, 910.341.2001

WMPO JULY PROJECTS UNDER CONSTRUCTION

Contract Number	Resident Eng	TIP/WBS /Program	County	Description	*Estimated Completion (year.month.date)	Percent Complete
C204902	Joshua Pratt	15BPR.102	New Hanover	CAPE FEAR MEMORIAL BRIDGE REHABILITATION.	2024.06.28	100.00%
C204331	Joshua Pratt		New Hanover	BANKS CHANNEL BRIDGE PRESERVATION.	2024.06.28	84.24%
C204319	Joshua Pratt	U-4902D	New Hanover	SUPERSTREET MEDIAN ON MARKET STREET (US 17 BUS) FROM MARSH OAKS DRIVE TO LENDIRE DRIVE.	2024.09.28	70.67%
DC00439	Joshua Pratt	U-5914	Brunswick	NC 133 IN BELVILLE FROM SR 1551 (BLACKWELL ROAD) TO SR 1554 (OLD RIVER ROAD).	2024.07.06	82.67%
C204747	Joshua Pratt	U-5710A	New Hanover	DRYSDALE DRIVE EXTENSION FROM MILITARY CUTOFF ROAD AT DRYSDALE TO US 74.	2025.03.04	66.04%
C204553	Daniel Waugh	R-3300B	Pender	NC 417 (HAMPSTEAD BYPASS) FROM SOUTH OF NC 210 TO NORTH OF SR 1563 (SLOOP POINT ROAD).	2027.12.14	44.68%

*Dates are subject to change.

WMPO JULY RESURFACING PROJECTS

Contract Number	Contract Year	County	Routes	*Estimated Completion (year.month.date)	Percent Complete
DC00426	2023	NEW HANOVER	RESURFACING AND PAVING PRESERVATION.	2024.05.24	91.08%
C204720	2024	PENDER	I-40 FROM WEST OF US-117 (MM-388) TO NC-210 (MM-408).	2024.06.02	83.72%
DC00425	2023	BRUNSWICK, NEW HANOVER, PENDER	ADA VARIOUS SECONDARY - DIVISION 3 WIDE.	2024.07.15	77.71%
DC00445	2024	BRUNSWICK	VAROUS ROUTES.	2025.05.16	59.83%
C204833	2024	NEW HANOVER, PENDER	I-40 RESURFACING FROM MM-420 TO MM-408 AT NC-210. I-6039.	2025.09.15	14.98%
DC00437	2024	NEW HANOVER	RESURFACING VARIOUS ROUTES.	2025.05.23	40.02%
C204866	2024	BRUNSWICK	I-140 RESURFACING FROM US-17 TO NORTH OF US-74. I-6036	2025.06.15	0.00%
DC00431	2024	BRUNSWICK	NC 130 & VARIOUS ROUTES.	2024.05.31	15.12%
DC00448	2024	New Hanover	US 76 AND VARIOUS ROUTES. PEDESTRIAN IMPROVEMENTS AT WB (BL-0075)	2025.09.05	0.00%

Go!NC Portal for public information: [HMIP](#) (Highway Maintenance Improvement Program) GIS maps

<https://ncdot.maps.arcgis.com/apps/mapviewer/index.html?webmap=441c2ce81ebf42faa77f3e47f5e6a97e>

*Dates are subject to change.

Update provided:

07/05/2024

PO: WMPO

Contact: Michelle Howes, mnhowes@ncdot.gov, 910.341.2001

Trail Lighting Model Policy

Wilmington Urban Area Metropolitan Planning Organization (WMPO) Bicycle and Pedestrian Advisory Committee (BPAC)

PURPOSE

This model policy was developed by the Wilmington Urban Area Metropolitan Planning Organization's Bicycle and Pedestrian Advisory Committee (WMPO BPAC). The WMPO BPAC was created to advise the WMPO Board on issues regarding bicycle and pedestrian programs, projects, policies, and safety; the committee also assumes the roles of: promoting the safe use of bicycling and walking for transportation and recreation, providing recommendations on policies and plans for the development of bicycle and pedestrian facilities in the WMPO's member jurisdictions, and contributing to the development of the WMPO's Metropolitan Transportation Plan (MTP).

This model policy is intended to provide a guide for the WMPO's member jurisdictions to determine when lighting should be considered for installation on new and existing trail facilities.

Trail lighting should enhance trail user safety, security, comfort, and experience while considering community-specific design goals such as: maintaining aesthetic and historic characteristics of the trail's location, usage of energy-efficient and/or easy-to-maintain lighting technologies, aiding emergency response, and minimizing adverse impacts on surrounding ecosystems and communities.

POLICY

Definitions

Trail facilities are defined as off-road paths which are accessible to bicyclists, pedestrians, and other non-motorized users. Terms such as "greenway" or "multiuse path" are synonymous.

Location Considerations

Lighting for trail facilities should be analyzed on a case-by-case basis, but at a minimum considered at the following trail locations:

- Trailheads
- Inside tunnels and beneath overpasses

- Bridge entrances and exits
- Trail intersections and intersections with roadways
- Crosswalks
- Along streets
- Public gathering spaces and restroom facilities
- On signage
- Trails highly used by commuters where night usage is expected
- Locations where nighttime security of the user could be impacted

Lighting may not be necessary in areas where lighting is already adequate, for example in neighborhoods or residential areas. Consideration of maintenance, labor, and cost commitment associated with lighting should also be made.

Lighting Characteristics

Lighting on trail facilities at a minimum shall conform with the following standards:

- American Association of State Highway and Transportation Officials (AASHTO) requirements for lighting shared-use paths found in the Guide for the Development of Bicycle Facilities,
- Local lighting design standards and specifications

Other lighting standards to consider include:

- DarkSky International's [Five Principles for Responsible Outdoor Lighting](#)

At a minimum, it is recommended that trail lighting comply with the following recommendations:

1. Targeted lighting and light shielding
 - a. Target lighting so that it is pointed downward and falls directly where needed. Full cut-off fixtures shall be in place to reduce light pollution and glare.
 - b. Lighting shall not be obstructed by tree canopies.
2. Lighting levels
 - a. Lighting shall be adequate to identify a face up to 20 yards away.
 - b. Use the lowest light level required, being mindful of surface conditions and reflectiveness of the trail surface
3. Lighting color
 - a. Lighting shall limit shorter wavelength (blue-violet) light while allowing for color rendition to enable users to identify features such as hair, clothing, and vehicle color of other trail users.