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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
Bicycle and Pedestrian Advisory Committee
Meeting Agenda**

TO: WMPO Bicycle and Pedestrian Advisory Committee Members
FROM: Emma Stogner, Associate Transportation Planner
DATE: February 10, 2022
SUBJECT: February 14th meeting

A meeting of the WMPO Bicycle and Pedestrian Advisory Committee will take place on Tuesday, February 14th, 2023, at 2pm. The meeting will be held at 305 Chestnut Street, Wilmington, 1st Floor, with a virtual component. The meeting will be streamed live online so that simultaneous live audio, and video, if any, of the meeting is available at the following URL: <https://us06web.zoom.us/j/84913730981>

- 1) Call to Order
- 2) Approval of the Agenda
- 3) Public Comment Period
- 4) Approval of the December Meeting Minutes
- 5) Presentations
 - a. Current Bicycle and Pedestrian Projects
- 6) Old Business
 - a. East Coast Greenway Signage Update
 - b. Year of the Trail
 - c. NCDOT Feasibility Studies Grant Program Update
- 7) New Business
 - a. BikeWalkNC Bicycle Friendly Driver Program
 - b. Electric Bicycle Discussion
 - c. River to Sea Bike Ride Subcommittee
 - d. WMPO BPAC Web Page
- 8) Updates and Announcements
 - a. Cape Fear Cyclists Update
 - b. WMPO February Project Updates (in packet)
 - c. NCDOT Division 3 February Project Updates (in packet)
 - d. WMPO Technical Coordinating Committee, Wednesday, March 15, 2023, at 10 am
 - e. WMPO Board Meeting, Monday, February 20, 2023, at 3 pm
- 9) Next Meeting
 - a. The next meeting is an outing to Brunswick County from 1 pm to 4 pm on April 11, 2023. Meeting location details will be emailed to committee members.
- 10) Adjournment

Wilmington Urban Area Metropolitan Planning Organization

Attachments:

- Infographic on E-Bike Regulations
- WMPO February Project Updates
- NCDOT Division 3 February Project Updates



E-bike legislation in North Carolina

NC General Statutes

North Carolina General Statutes (NCGS) defines Electric Assisted Bicycles as bicycles with fully operable pedals and an electric motor of no more than 750 watts, capable of a maximum speed of 20 mph.

Electric assisted bicycles are not counted as motor vehicles (defined in § 20-4.01(23), which means according to § 20-160 they are allowed on sidewalks unless specifically provided otherwise.

The NCGS do not outline subclasses for types of e-bikes, although other states have done so in their laws, including Virginia, Tennessee, and Georgia.

Ordinances

Many cities in North Carolina do not specifically mention e-bikes in their ordinances. Examples from across NC:

- 🚲 **Kure Beach** defines electric bicycles as [mopeds](#). Bicycles are prohibited from sidewalks and walkways.
- 🚲 **Carolina Beach** counts motorized bicycles as bicycles and specifies: “No person shall operate a bicycle at a speed greater than is reasonable and prudent under the conditions then existing.” Bicycles are generally not allowed on sidewalks.
- 🚲 **Wrightsville Beach** specifies the same speed rules, and excludes bicyclists from all sidewalks and walkways.
- 🚲 **In Wilmington**, bicyclists may use shared-use paths provided that they yield to pedestrians.
- 🚲 **Belville** excludes e-bikes from their definition of motorcycles.

Other jurisdictions within the WMPO boundary were not found to specify rules or definitions for bicycling in their codes of ordinances.

- 🚲 **In Raleigh**, e-bikes may ride in the same places as traditional bikes, adhering to speed limit rules (such as 10 mph for greenways). Motorized vehicles are prohibited. [Source](#).

- 🚲 **In Durham**, e-bike and motorized scooter users may use shared-use paths provided that they yield to pedestrians. [Source](#).

- 🚲 **In Charlotte**, e-bikes at a speed of less than 15 mph may ride on sidewalks, except in a specific downtown area. [Source](#).

E-bike Classes

In 2019, the WMPO created a model ordinance including these classifications:

- 🚲 **“Class 1”** - An electric bicycle with a motor that assists when pedaling only, until a maximum speed of 20 mph.
*This aligns with NCGS’s definition of an “electric assisted bicycle” - § 20-4.01(7a).
- 🚲 **“Class 2”** - The motor on the e-bike may be used to propel the bicycle without pedaling, until a maximum speed of 20 mph.
*This aligns with NCGS’s definition of a “motor-driven bicycle” - § 20-4.01(27i).
- 🚲 **“Class 3”** - The motor assists when pedaling only, until a maximum speed of 28 mph.

The model ordinance also outlined access rules, stating that Class 3 electric bicycles may be ridden on streets, roadways, and bike lanes, but are restricted from slower-speed off-road facilities (whereas Class 1 and 2 are permitted on multiuse paths, sidewalks, or designated park trails.)

Helmets are required for all riders.



WMPO FEBRUARY PROJECTS IN DEVELOPMENT

Project Manager	Contract Type	TIP	Description	County	SAP LET Date
Rail Division	Rail	P-5740A	Wilmington Rail Rehabilitation, Curve Realignment and Upgrade Rail Bridges	New Hanover	3/1/2023
Eric Murray	DPOC	U-5914	Widen NC 133 from US 17/74/76 to Old River Road	Brunswick	4/20/2023
Derek Pielech	DPOC	BP3-R004	Brunswick 181 over Sturgeon Creek on SR 1437 (Old Fayetteville Road) (Previously 17BP.3.R.84)	Brunswick	6/1/2023
Lydia	DDRL	I-6039	1-40 Pavement rehab from Milemarker 420 to NC 210	New Hanover & Pender	6/20/2023
Rail Division	Rail	P-5740C	CSX SE Line Installation of Railroad Grade Crossing Signals and Gates at Various At-Grade Crossings	New Hanover	6/30/2023
Lydia	DPOC	I-6036	I-140 - US 17 to North of US 74 pavement rehab	Brunswick	9/19/2023
Rail Division	Rail	P-5740B	CSX SE Line Improvements to Hwy Grade Xings, Close & Impove Various Exisit. At-Grade Crossings	New Hanover	3/21/2024
Brian Harding	DDRL	U-6202	Widen Gordon Road to 4 lanes from US 17 Market St to I-40	New Hanover	7/16/2024
Derek Pielech	DPOC	BP3-R012 17BP.3.R.93	Replace Bridge 208 over Sturgeon Creek on SR 1472 (Village Road) in Brunswick County	Brunswick	7/3/2025
Trace Howell	DDRL	R-3300A	Hampstead Bypass (US 17 from Military Cutoff Road to NC 210)	New Hanover & Pender	7/15/2025
Mike Bass	DDRL	U-5710	US 74 (Eastwood Road) at US 17 (Military Cutoff Rd)	New Hanover	9/16/2025
Derek Pielech	DPOC	B-5653	Pender 14 on NC 133 over Turkey Creek	Pender	1/28/2026
Trace Howell	DDRL	U-5792	MLK at College	New Hanover	6/15/2027
Brian Harding	DDRL	U-5954	NC 133 at 23rd Street Roundabout	New Hanover	6/15/2027
Derek Pielech	Raleigh	BR-0008	Replace Bridge 7 on US 17 over US 76	Brunswick	9/21/2027
Lydia	DPOC	I-6037	I-140 From US 421 to I-40. Pavment & Bridge Rehabilitation	New Hanover	2/15/2028
Krista Kimmel	DDRL	U-5926	New Route from 23rd St to 26th St	New Hanover	3/31/2028
Brian Harding	DDRL	U-5731	US 74 at US 17/US 421 Flyover	New Hanover	5/16/2028

Krista Kimmel	DDRL	U-3338C	Kerr Ave Interchange at MLK	New Hanover	6/20/2028
Brian Harding	DDRL	U-5729	US 421 Carolina Beach Rd Median with intersection improvement at Shipyard and US 421	New Hanover	7/18/2028
Lydia	DPOC	I-6038	I-140 from US 421 to US74/76. Pavement Rehabilitation	Brunswick	11/16/2028
Krista Kimmel	DDRL	U-4902C	US 17 Business - Market St Median & Interchange	New Hanover	6/19/2029
Trace Howell	DDRL	U-5702B	College Road Access Management Improvement from Carolina Beach Road to Shipyard Blvd	New Hanover	1/15/2030
Krista Kimmel	DDRL	U-4434	Independence Boulevard Extension	New Hanover	6/17/2031
Krista Kimmel	DDRL	U-4902B	US 17 Business - Market St Median Railroad to MLK	New Hanover	1/1/2040
Trace Howell	DDRL	U-5732	Hampstead Median: US 17 from SR 1582 (Washington Acres Road) to Vista Lane	Pender	1/1/2040

Update provided: 1/18/23

PO: WMPO

Contact: Adrienne Cox, amcox1@ncdot.gov, 910.341.2001

WMPO FEBRUARY PROJECTS UNDER CONSTRUCTION

Contract Number	Resident	TIP/WBS/Work Order	County	Description	Estimated Completion	Percent Complete
DC00300	Brian Groves	R-2633BA(L)	Brunswick	Navassa Landscape Enhancement	1st Qtr/2023	93.17%
C203980	Joshua Pratt	U-4751	New Hanover	Military Cutoff Road Extension from Market St to the Wilmington Bypass with an interchange at the Bypass	9/10/2023	85.36%
DC00309	Daniel Waugh	N/A	New Hanover	ILM Landscape Improvement	TBD	84.44%
C204623	Joshua Pratt	B-5642	Brunswick	Replace Bridge 65 on NC 87 Over Hood Creek	5/29/2023	76.13%
DC00331	David Sawyer	R-5783E, R-5783F	Brunswick, Duplin, New Hanover, Onslow, Pender and Sampson	Division Wide ADA Curb Ramp Updates	1st Qtr/2023	76.07%
C204301	Joshua Pratt	N/A	New Hanover	New Hanover #48 and #49 on I-40E & I-40 W/NE Substructure Repairs	1st Qtr/2023	65.92%
C204319	Joshua Pratt	U-4902D	New Hanover	Superstreet median on Market St (US 17 BUS) from Marsh Oaks Dr to Lendire Dr	9/17/2023	57.21%
DC00249	Joshua Pratt	B-4590	New Hanover	Bridge #29 over Smith Creek	10/11/2023	55.22%
C204629	Joshua Pratt	B-5624	Brunswick	Replace Bridge 57 on NC 211 Over Juniper Creek	1st Qtr/2023	28.31%
C204553	Daniel Waugh	R-3300B	Pender	NC 417 (Hampstead Bypass) from South of NC 210 to North of SR 1563 (Sloop Point Road)	3/16/2027	15.87%
C204331	Joshua Pratt	15BPR.19	New Hanover	Banks Channel (#21, US 76) girder repair, clean and paint bearings, epoxy caps	TBD	14.26%
C204747	Joshua Pratt	U-5710A	New Hanover	Drysdale Drive Extension from Military Cutoff Road at Drydale to US 74	2/27/2025	10.55%
DC00402	David Sawyer	W-5803B	Onslow, Pender	Install Rumble Strips on US 17 Between New Hanover/Pender County Line and Mile Post 19.30 in Onslow County	1/31/2023	0.00%

WMPO FEBRUARY RESURFACING PROJECTS

Contract Number	Contract Year	County	Routes	Estimated Completion Date	Percent Complete
C204409	2021	Brunswick	1 Section of US-17, US-74/76, And NC-130; and 11 Sections of Secondary Roads	1st Qtr/2023	93.75%
DC00325	2022	Brunswick	Brunswick Resurfacing B (3/16/2022 Availability Date)	5/18/2023	91.02%
DC00294	2021	New Hanover	New Hanover County Resurfacing	1st Qtr/2023	90.43%
DC00327	2022	New Hanover	New Hanover County Resurfacing (1/06/2022 Availability Date)	4/28/2023	90.13%
DC00304	2021	Brunswick	US 17, NC 904 & Various Secondary Roads	1st Qtr/2023	83.40%
DC00311	2022	New Hanover	Market Street, 3rd Street, Independence Blvd, and patching on 16th & 17th Streets	9/29/2023	8.91%
DC00344	2023	Brunswick and New Hanover	Brunswick and New Hanover county resurfacing, various secondary routes	6/16/2023	0.00%

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

<https://ncdot.maps.arcgis.com/home/webmap/viewer.html?webmap=ceae1d0cf870473fb7d35294acb6b71c>