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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.*

### **Technical Coordinating Committee Meeting Agenda**

**TO:** Technical Coordinating Committee Members  
**FROM:** Mike Kozlosky, Executive Director  
**DATE:** August 8, 2019  
**SUBJECT:** August 14<sup>th</sup> meeting

A meeting of the Wilmington Urban Area MPO's Technical Coordinating Committee will be held on Wednesday, August 14, 2019 at 10 am. 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) Approval of the Agenda
- 3) Consent Agenda
  - a. Approval of TCC Meeting Minutes- July 17, 2019
  - b. Resolution approving FY 2019-2020 Unified Planning Work Program Amendment #2 for the Rail Trail Master Plan
  - c. Resolution approving 2018-2027 STIP/MPO Transportation Improvement Program Administrative Modification #19-3
  - d. Opening 30-day public comment period for 2018-2027 STIP/MPO Transportation Improvement Program Amendment #19-4
- 4) Discussion
  - a. Wilmington Urban Area Metropolitan Planning Organization Board's Draft Rules of Procedure
  - b. Prioritization 6.0
  - c. 2018-2027 STIP/MPO Transportation Improvement Program Administrative Modification #19-4
  - d. Revised Draft 2020-2029 State/MPO Transportation Improvement Program
  - e. Cape Fear Public Transportation Authority's request for FY 20 Surface Transportation Block Grant- Direct Attributable Funding
- 5) Updates
  - a. Crossing over the Cape Fear River
  - b. Wilmington Urban Area MPO
  - c. Cape Fear Public Transportation Authority
  - d. NCDOT Division
  - e. NCDOT Transportation Planning Division

### **Wilmington Urban Area Metropolitan Planning Organization**

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

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- 6) Announcements
    - a. Bike/Pedestrian Committee Meeting- September 10<sup>th</sup>
  - 7) Next meeting- September 11, 2019

**Attachments:**

- TCC Meeting Minutes- July 17, 2019
- Proposed FY 2019-2020 Unified Planning Work Program Amendment #2
- Resolution approving FY 2019-2020 Unified Planning Work Program Amendment #2 for the Rail Trail Master Plan
- Proposed 2018-2027 STIP/MPO Transportation Improvement Program Administrative Modification #19-3
- Resolution approving 2018-2027 STIP/MPO Transportation Improvement Program Administrative Modification #19-3
- Proposed 2018-2027 STIP/MPO Transportation Improvement Program Amendment #19-4
- Wilmington Urban Area Metropolitan Planning Organization Board's Draft Rules of Procedure
- Prioritization 6.0 Scoring Criteria, Weights, and Normalization for All Modes
- Prioritization 6.0 Schedule
- Proposed 2018-2027 STIP/MPO Transportation Improvement Program Administrative Modification #19-4
- Revised Draft 2020-2029 State/MPO Transportation Improvement Program
- Request from the Cape Fear Public Transportation Authority for Fiscal Year 2020 Surface Transportation Block Grant- Direct Attributable Funding
- Cape Fear River Crossing Update (August)
- Wilmington Urban Area MPO Project Update (August)
- Cape Fear Public Transportation Authority Update (August)
- NCDOT Division Project Update (August)
- NCDOT Transportation Planning Division Project Update (August)

**Wilmington Urban Area  
Technical Coordinating Committee  
Wednesday, July 17, 2019  
Meeting Minutes**

**Members Present**

Mike Kozlosky, Wilmington MPO  
Don Bennett, City of Wilmington  
Nick Cannon, Wilmington MPO  
Jerry Haire, Town of Carolina Beach  
Nancy Avery, Town of Kure Beach  
Dylan McDonnell, New Hanover County  
Granseur Dick, Wilmington International  
Airport  
Cheryl Page, Town of Belville  
Ashli Barefoot, Town of Leland

Barnes Sutton, Town of Navassa  
Travis Henley, Pender County  
Allen Serkin, Cape Fear Council of  
Governments  
Caitlin Marks, NCDOT Division of  
Highways  
Nazia Sarder, NCDOT Planning  
Megan Matheny, Cape Fear Public  
Transportation

**1) Call to Order**

Mr. Kozlosky called the meeting to order at 10:00 a.m.

**2) Approval of the Agenda**

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

**3) Presentation**

**a. Go Coast Annual Report – Nick Cannon, WMPO**

Mr. Cannon gave the annual report of Go Coast Program, which included the following:

- **Commuter Friendly Employer Program** – new initiative to recognize employers who offer incentives for alternate transportation
- **Be A Looker Campaign** (April - September) – 200 pledges
- **Commuter Challenge** (October) – 723 participants; several thousand trips; more than 26,000 miles, more than 18,000 pounds of CO<sub>2</sub> emissions reduced
- **River to Sea Bike Ride** (May) – 400 participants, most to date
- **Bike to Work Week** – 68 recorded participants
- **Bike Share** – City of Wilmington signed an agreement in May with Zagster, which is currently seeking title sponsors to fund the program
- **Marketing** – >1,500 likes and >1,000 followers on Instagram
- **Go Coast Committee** – 16 members, meets quarterly
- **Go Coast Web Site** – currently under development

A brief question/answer and discussion period was held regarding the Bike Share Program.

**b. Bike/Pedestrian Web Application – Michael Madsen, WMPO**

Mr. Madsen gave an overview of the Bike/Pedestrian Web Application, which was developed in response to the needs of member jurisdictions, the Bike/Pedestrian Advisory Committee and the Go Coast Committee. He stated that the web app shows Bike/ Pedestrian facilities for the WMPO region. He noted that the app is interactive and mobile friendly, allowing users to zoom in and out for data on each facility including parks, hiking and biking trails, sidewalks and

crosswalks. He added that more trails and parks can be added easily to the application.

Mr. Madsen stated that data is collected in various formats from member jurisdictions. He noted that an intern will be hired soon to assist staff in identifying, collecting and streamlining any missing data. He added that the data will be centralized and accessible for download from the WMPO web portal page.

A brief question/answer and discussion period was held.

Ms. Barefoot expressed appreciation for the data support.

Mr. Kozlosky expressed regret that this would be Mr. Madsen's last meeting, since he has accepted a position with NCDOT.

#### **4) Consent Agenda**

- a. Approval of TCC Meeting Minutes – May 15, 2019**
- b. Resolution adopting the Wilmington Urban Area Metropolitan Planning Organization's Title VI Program Plan**
- c. Resolution approving 2018-2027 STIP/MPO Transportation Improvement Program Administrative Modification #19-3**

Ms. Barefoot requested to pull Item 4b (Resolution adopting the Wilmington Urban Area Metropolitan Planning Organization's Title VI Program Plan) for further consideration.

Ms. Barefoot made a motion to approve the Consent Agenda, Item 4a and Item 4c, and to forward these items to the MPO Board for consideration. Mr. Bennett seconded the motion, and it carried unanimously.

Ms. Barefoot requested to add her name, Ashli Pirozzi as the Leland TCC member in the Title VI Program Plan. She made a motion to approve as amended the Resolution adopting that Wilmington Urban Area Metropolitan Planning Organization's Title VI Program Plan. Ms. Avery seconded the motion and it carried unanimously.

#### **5) Regular Agenda**

- a. Resolution approving the naming of the NC Ferry Division Tugs**

Mr. Kozlosky stated that the Ferry Division has a tradition of naming tugs after cities and regions, and has requested that MPOs and RPOs support resolutions approving the proposed names of tugs. He noted that the name proposed for the tug in this region is "The Cape Fear."

Mr. Serkin made a motion to approve the Resolution approving the naming of the NC Ferry Division Tugs. Ms. Avery seconded the motion, and it carried unanimously.

- b. Resolution approving the allocation of 2020-2021 Surface Transportation Block Grant- Direct Attributable and Transportation Alternatives- Set Aside Funding for the Wilmington Urban Area Metropolitan Planning Organization**

Ms. Kimes stated that the MPO recently closed its call for projects for Transportation Alternatives Set Aside (TASA) and Surface Transportation Block Grant (STBG) program funds. She noted that the following projects were proposed:

**TASA:**

1. **Town of Carolina Beach/NCDOT - US 421 Lake Park/Hamlet Avenue Intersection Improvements**

**STBG:**

1. **City of Wilmington/New Hanover County Fire/New Hanover Regional Medical Center – traffic signal preemption**, expanding the system to create main corridors on Market Street, Carolina Beach Road, and College Road to allow for quicker response times and facilitate access to the hospital
2. **Town of Wrightsville Beach – West Salisbury Street Streetscape**
3. **City of Wilmington – Wilmington Multi Modal Center Phase 1b** for additional office space
4. **Town of Carolina Beach – St Joseph/Lewis Drive Bike Lanes**
5. **The Friends of the Wilmington Rail Trail – Wilmington Rail Trail: Phase 1 Development**

Ms. Kimes stated that staff recommends approval for all proposed projects except the Phase 1 Development Project proposed for the Wilmington Rail Trail project downtown, which is more of a feasibility study than a construction project. She requested a discussion for moving forward with the proposal and suggested that funds might be flexed to Planning Funds PL104(f) for a master plan study of the entire corridor.

A brief question/answer and discussion period was held.

Ms. Kimes expressed concerns that the two-year program would leave unspent funds of \$202,000 in TASA and \$2.7 million in STBG, which includes the Omnibus funds and the extra \$1.5 million project funds traded with NCDOT. She advised that the TASA funds should be spent first, and recommended that any STBG projects that qualify be shifted to TASA.

A discussion was held. Ms. Marks commented that the three-month call was adequate. Mr. Haire expressed concerns regarding the call for projects competing with municipal budget preparation. Mr. Serkin suggested an open call when funds are not fully expended. Ms. Kimes reminded members that TASA funds (\$233,000) require a competitive process; and STBG funds do not. It was the consensus of the group to propose an additional call for projects for noncompetitive funds when available.

Following further discussion, Ms. Avery made a motion to approve the Resolution approving the allocation of 2020-2021 Surface Transportation Block Grant- Direct Attributable and Transportation Alternatives Set Aside funding for the Wilmington Urban Area Metropolitan Planning Organization. Mr. Bennett seconded the motion, and it carried unanimously.

**6) Discussion**

**a. Cape Fear Moving Forward 2045 Red-Line Analysis**

Ms. Leta Huntsinger, WSP, gave an overview of project costs, data sources, and funding amounts. She stated that in addition to project details provided by staff, cost estimation tools were provided by NCDOT for the Roadway and

Bicycle/Pedestrian modes to estimate construction costs. For the other modes, historic information was available from NCDOT through the State Transportation Improvement Plan (STIP), WAVE Transit and the airport in the form of their capital improvement programs.

Ms. Huntsinger stated that right-of-way costs are typically determined by averaging land value. However, due to the variety of land values within the region, tax data was reviewed to separate them into districts of average values by land use type – residential, commercial and undeveloped.

Ms. Huntsinger stated that the projects were sorted into five-year increments and adjusted for increased costs over time. She noted that cost estimates for light rail have been included separate from the Wilmington Rail Realignment project. She added that light rail is a special case that was not included in the overall estimation.

Ms. Huntsinger gave an overview of alternative funding sources. She stated that after further research several alternates were stricken due to lack of viability. She noted that the remaining alternate funding sources in 2020 dollars over the life of the plan include the following:

- **Quarter-cent ( $\frac{1}{4}$  ¢) Local Option Sales Tax (General Transportation or Transit)** – noting that only portions of Brunswick and Pender County within the MPO would apply – **\$6.12 million**
- **Driver's License Tax (\$5 annual fee)** – noting data challenges regarding the number of registered vehicles – **\$25 million**
- **Vehicle Registration Fee (\$7 per vehicle)** – also noting data challenges regarding the number of registered vehicles – **\$40 million**
- **Vehicle Rental Tax (5%)** – noting the current lack of Brunswick and Pender rental facilities - **\$29 million**
- **Bicycle Registration (\$10 annually)** – noting the difficulty in estimating bicycle ownership – **\$7 million (conservative estimate)**

In response to an inquiry by Mr. Kozlosky, Ms. Huntsinger stated that she did not research bonding revenue. In addition, none of the project specific sources such as STI or tolls were researched. She commented that alternate funding sources are for a later discussion after the fiscally constrained list has been established.

In response to an inquiry by Mr. Cannon, Ms. Huntsinger stated that in more recent years, the state legislature has made impact fees more difficult. She commented that although marina and dockage fees are already in use, their use is currently unknown. She speculated that they would be less viable for regional transportation projects, as would those that capture tourism dollars. Additionally, she advised that only sources backed by local elected officials be recommended.

Mr. Bennett pointed out that the citizens of Wilmington have responded favorably to funding transportation needs.

Ms. Lorenzo gave an overview of the process for project selection leading up to the redline lists. She stated that WSP provided 2020 cost estimates for the

ranked projects. In addition, a 3% inflation factor was applied for out years in five-year increments from 2025 through 2045. She noted that the projects have been color-coded to categorize projects as funded, fiscally constrained, and unfunded. She added that comments by the Citizens Advisory Committee (CAC) have also been included.

In response to an inquiry by Mr. Serkin regarding remaining fund balances, Ms. Lorenzo stated that funding is specific to each mode.

Mr. Dick pointed out that Aviation is more dependent on carriers adding services and industry-wide security changes than on transportation or tourism growth trends across the region. He noted that projections beyond five years focus more on maintenance and life cycles. He added that a buffer is appreciated to help address changes.

Mr. Serkin expressed concerns regarding the list being representative of the likelihood of (Direct Attributable) funding sources. Mr. Kozlosky responded that these projects are eligible for DA funding. He noted that the intention is to cross projects off the list rather than to add to the list.

Ms. Lorenzo pointed out that the project at the top of the Bike/Pedestrian list is ranked eighth. She noted that the CAC suggested placing an emphasis on Bike/Pedestrian projects that cost \$5 million or less, as well as multi-use paths, and bike paths not on high-traffic corridors.

Ms. Lorenzo continued with an overview of the modal project lists. She stated that staff was able to identify funding for the list of Ferry projects by reworking project costs.

In response to an inquiry by Mr. Serkin, Ms. Lorenzo stated that the Southport facility is needed to be a shared facility, although outside the MPO's boundaries.

Ms. Lorenzo pointed out that some of the larger freight/rail projects, such as the Wilmington Rail Realignment and the re-establishment of the Wallace to Castle Hayne rail line, will require alternative funding sources such as grants. She noted that the CAC expressed a desire to separate passenger/light rail projects from Public Transportation projects due to the lack of historical data.

In response to an inquiry by Mr. Kozlosky, Ms. Lorenzo stated that Multi-modal Center, Phase 1B was pulled from the list. She noted that DA funds were not included in the financial forecast for Public Transportation. Although, DA funds have been given to WAVE for operational and maintenance purposes in the past.

Ms. Lorenzo stated that the CAC requested to include RW-160, Lanvale and Old Fayetteville Road Intersection Improvements, and RW-78, Old Fayetteville Road Widening. In order to accommodate them, staff removed RW-214, ranked 12<sup>th</sup>, Airlie Road/Eastwood Road Intersection Improvements. She added that the fiscally constrained project list includes a high-rise bridge to Wrightsville Beach.

Ms. Marks stated that NCDOT is improving the Lanvale and Old Fayetteville signal through high-impact/low-cost funds.

Mr. Serkin pointed out that these lists may need to be revised when the State Transportation Improvements Program (STIP) is adopted.

Ms. Lorenzo responded that the draft STIP has informed the project lists thus far.

Mr. Kozlosky stated that staff should know more in two weeks when the Board meets. He noted that NCDOT will present the draft to the Board in August, with final consideration to follow in September.

Ms. Lorenzo reminded the Committee that this red-line analysis is merely for discussion, and that a final version would be brought back in August.

Mr. Henley pointed out that the US 17 Super Street (U-5732) was not submitted as part of the corridor listed in committed projects; but as an extension from the northern end of U-5732 to the MPO boundary.

In response to an inquiry by Mr. Serkin, Mr. Kozlosky stated that the Rail Realignment would be included in the discussion regarding alternate funding sources after the red-line analysis is approved.

**b. 2018-2027 STIP/MPO Transportation Improvement Program Administrative Modification #19-3**

Mr. Kozlosky stated that this item is for informational purposes only, and will be brought back during the next meeting of the TCC for approval.

**7) Updates**

Updates are included in the agenda packet.

**8) Announcements**

- a. Independence Boulevard Extension Public Meeting – Rachel Freeman Elementary School, July 22<sup>nd</sup>
- b. N.C. 133 (Castle Hayne Rd) widening from I-140/U.S. 17 (Wilmington Bypass) to Division Drive Public Meeting- WAVE facility, Castle Hayne Road, July 25<sup>th</sup>
- c. Bike/Pedestrian Committee Meeting: August 13<sup>th</sup>
- d. Next TCC meeting: August 14<sup>th</sup>

**9) Additional Items**

Mr. Kozlosky

**10) Adjournment**

With no further items, the meeting was adjourned at 11:37 p.m.

**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.**





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**FY 2019-2020 Unified Planning Work Program Amendment #2 – STBGP-DA**  
**August 28, 2019**

III-D-3 Special Studies – Increase STBGP-DA funds by \$40,000 for the completion of the Rail Trail Master Plan Special Study.

III-D-3 Special Studies – Increase STBGP-DA local funds by \$10,000 for the completion of the Rail Trail Master Plan Special Study.

Wilmington Urban Area Metropolitan Planning Organization

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## Wilmington Urban Area Metropolitan Planning Organization

FY2020 Unified Planning Work Program (Amendment #2)

Approved August 28, 2019

TASK CODE	TASK DESCRIPTION	SEC. 104 (f) PL				SECTION 5303				STBGP-DA			TDM		TASK FUNDING SUMMARY			
		Highway / Transit		FHWA 80%	Transit / Highway		FTA 80%	Highway / Transit		LOCAL 20%	FHWA 80%	LOCAL 50%	Transit 50%	LOCAL	NCDOT	FEDERAL	TOTAL	
		LOCAL 20%			LOCAL 10%	NCDOT 10%												
II-A	SURVEILLANCE OF CHANGE																	
II-A-1	Traffic Volume Counts	10,600		42,400										10,600		42,400		53,000
II-A-2	Vehicle Miles of Travel	50		200										50		200		250
II-A-3	Street Systems Changes																	
II-A-4	Traffic Accidents	50		200										50		200		250
II-A-5	Transit System Data	1,100		4,400		1,200	1,200	9,600						2,300	1,200	14,000		17,500
II-A-6	Dwelling Unit, Pop. & Emp. Change	800		3,200										800		3,200		4,000
II-A-7	Air Travel																	
II-A-8	Vehicle Occupancy Rates																	
II-A-9	Travel Time Studies	50		200										50		200		250
II-A-10	Mapping	5,077		20,307						5,890		23,562		10,967		43,869		54,836
II-A-11	Central Area Parking Inventory																	
II-A-12	Bike & Ped. Facilities Inventory	800		3,200										800		3,200		4,000
II-B	LONG RANGE TRANSPORTATION PLANNING																	
II-B-1	Collection of Base Year Data																	
II-B-2	Collection of Network Data																	
II-B-3	Travel Model Updates	50		200										50		200		250
II-B-4	Travel Surveys																	
II-B-5	Forecast of Data to Horizon year																	
II-B-6	Community Goals & Objectives	4,200		16,800		400	400	3,200						4,600	400	20,000		25,000
II-B-7	Forecast of Future Travel Patterns																	
II-B-8	Capacity Deficiency Analysis	1,200		4,800										1,200		4,800		6,000
II-B-9	Highway Element of th L RTP	4,800		19,200										4,800		19,200		24,000
II-B-10	Transit Element of the L RTP	400		1,600		400	400	3,200						800	400	4,800		6,000
II-B-11	Bicycle & Ped. Element of the L RTP	4,000		16,000										4,000		16,000		20,000
II-B-12	Airport/Air Travel Element of L RTP	1,000		4,000										1,000		4,000		5,000
II-B-13	Collector Street Element of L RTP	600		2,400										600		2,400		3,000
II-B-14	Rail, Water or other mode of L RTP	1,000		4,000										1,000		4,000		5,000
II-B-15	Freight Movement/Mobility Planning	1,200		4,800										1,200		4,800		6,000
II-B-16	Financial Planning	400		1,600		800	800	6,400						1,200	800	8,000		10,000
II-B-17	Congestion Management Strategies	2,000		8,000										2,000		8,000		10,000
II-B-18	Air Qual. Planning/Conformity Anal.																	
III-A	PLANNING WORK PROGRAM	224		896										224		896		1,120
III-B	TRANSPORTATION IMPROVEMENT PROGRAM	500		2,000										500		2,000		2,500
III-C	CVL RGTS. CMP./OTR. REG. REQS.																	
III-C-1	Title VI	100		400		800	800	6,400						900	800	6,800		8,500
III-C-2	Environmental Justice	600		2,400										600		2,400		3,000
III-C-3	Minority Business Enterprise	100		400		800	800	6,400						900	800	6,800		8,500
III-C-4	Planning for the Elderly & Disabled	50		200										50		200		250
III-C-5	Safety/Drug Control Planning																	
III-C-6	Public Involvement	2,000		8,000		800	800	6,400						2,800	800	14,400		18,000
III-C-7	Private Sector Participation	250		1,000										250		1,000		1,250
III-D	INCIDENTAL PLNG./PROJECT DEV.																	
III-D-1	Transportation Enhancement Plng.																	
III-D-2	Enviro. Analysis & Pre-TIP Plng.	100		400										100		400		500
III-D-3	Special Studies	16,000		64,000						10,000		40,000		26,000		104,000		130,000
III-D-4	Regional or Statewide Planning	100		400										100		400		500
III-E	MANAGEMENT & OPERATIONS	64,266		257,066		2,800	2,800	22,400		42,313		169,249	61,800	61,800		448,715	64,600	684,494
TOTALS		\$123,667		\$494,669		\$8,000	\$8,000	\$64,000		\$58,203		\$232,811	\$61,800	\$61,800		\$791,480	\$69,800	\$1,112,950

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION  
BOARD**

**RESOLUTION APPROVING AMENDMENT #2 TO THE WILMINGTON URBAN AREA  
METROPOLITAN PLANNING ORGANIZATION'S FISCAL YEAR 2019-2020 UNIFIED  
PLANNING WORK PROGRAM**

**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 Fiscal Year 2019-2020 Unified Planning Work Program documents the comprehensive and continuing transportation planning program in the Wilmington Urban Area; and

**WHEREAS**, the Fiscal Year 2019-2020 Unified Planning Work Program was adopted by the Wilmington Urban Area Metropolitan Planning Organization's Board on March 27, 2019; and

**WHEREAS**, the Fiscal Year 2019-2020 Unified Planning Work Program was amended by the Wilmington Urban Area Metropolitan Planning Organization's Board on May 29, 2019; and

**WHEREAS**, the Wilmington Urban Area Metropolitan Planning Organization can amend the Fiscal Year 2019-2020 Unified Planning Work Program to cover any anticipated expenditures for the fiscal year; and

**WHEREAS**, the Wilmington Urban Area Metropolitan Planning Organization received a request from the Friends of the Wilmington Rail Trail and Arts Council of Wilmington/New Hanover County for Surface Transportation Block Grant- Direct Attributable funding in the amount of \$40,000 to complete a Rail Trail Master Plan for the rail corridor between 3rd Street and McRae Street in downtown Wilmington; and

**WHEREAS**, the Friends of the Wilmington Rail Trail and Arts Council of Wilmington/New Hanover County will provide the local match in the amount of \$10,000; and

**WHEREAS**, the need for amendments to the Fiscal Year 2019-2020 Unified Planning Work Program have been evaluated and are justified in order to effectively advance transportation planning for Fiscal Year 2019-2020; and

**WHEREAS**, the Wilmington Urban Area Metropolitan Planning Organization proposes amendments to the Fiscal Year 2019-2020 Unified Planning Work Program to reflect current and anticipated expenditures and available funding resources.

**NOW THEREFORE**, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby approves Amendment #2 to the Fiscal Year 2019-2020 Unified Planning Work Program.

**ADOPTED** at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on August 28, 2019.

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David Piepmeyer, Chair

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Mike Kozlosky, Secretary

## Proposed Revisions to 2018-2027 STIP/MPO TIP Programs

### STIP/MPO TIP Modification # 19-3 (July 2019)

EB-6025 BRUNSWICK PROJ.CATEGORY DIVISION	RICE HOPE MULTI USE PATH, MULTI USE PATH ALONG NC 133 BETWEEN MORECAMBLE BOULEVARD AND RICE HOPE RUN IN BELVILLE. <u><b>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN, DELAY RIGHT-OF-WAY FROM FY 19 TO FY 22 AND CONSTRUCTION FROM FY 20 TO FY 22.</b></u>	ENGINEERING  RIGHT-OF-WAY  CONSTRUCTION	FY 2019 - \$24,000 (STBGDA) FY 2019 - \$6,000 (L) FY 2022 - \$2,000 (STBGDA) FY 2022 - \$1,000 (L) FY 2022 - \$134,000 (STBGDA) FY 2022 - <u>\$33,000 (L)</u> \$200,000
EB-6026 BRUNSWICK PROJ.CATEGORY DIVISION	BELVILLE ELEMENTARY MULTI USE PATH, MULTI USE PATH ALONG NC 133 CONNECTING NORTH AND SOUTH ENTRANCES OF HAWKESWATER DEVELOPMENT TO BELVILLE ELEMENTARY SCHOOL. <u><b>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN, DELAY RIGHT-OF-WAY FROM FY 19 TO FY 22 AND CONSTRUCTION FROM FY 20 TO FY 22.</b></u>	ENGINEERING  RIGHT-OF-WAY  CONSTRUCTION	FY 2019 - \$24,000 (TAPDA) FY 2019 - \$6,000 (L) FY 2022 - \$2,000 (TAPDA) FY 2022 - \$1,000 (L) FY 2022 - \$94,000 (TAPDA) FY 2022 - <u>\$24,000 (L)</u> 151,000
* R-5783 BRUNSWICK DUPLIN NEW HANOVER ON SLOW PENDER SAMPSON PROJ.CATEGORY DIVISION	VARIOUS, DIVISION 3 PROGRAM TO UPGRADE INTERSECTIONS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (ADA) USING TRANSPORTATION ALTERNATIVES (TA) FUNDS. <u><b>ADD CONSTRUCTION IN FY 20 NOT PREVIOUSLY PROGRAMMED TO REFLECT CURRENT DELIVERY SCHEDULES</b></u>	CONSTRUCTION	FY 2019 - \$800,000 (S) FY 2019 - \$3,200,000 (TA) FY 2020 - \$100,000 (S) FY 2020 - <u>\$400,000 (TA)</u> \$4,500,000

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION  
BOARD**

**RESOLUTION APPROVING ADMINISTRATIVE MODIFICATION #19-3 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 modify the adopted 2018-2027 State/MPO Transportation Improvement Programs for Administrative Modification #19-3.

**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 #19-3.

**ADOPTED** at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on August 28, 2019.

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David Piepmeyer, Chair

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Mike Kozlosky, Secretary

Proposed Amendments to 2018-2027 STIP/MPO TIP Programs

STIP/MPO TIP Amendment 19-4  
(August 2019)

* EB-6037	VARIOUS, RAILS TO TRAILS PROGRAM	STATEWIDE	RIGHT OF WAY	FY 2019 - \$8,000,000 (TALT5)
STATEWIDE	<u>PROJECT ADDED TO REFLECT NEW PROGRAM.</u>	PROJECT		FY 2019 - \$2,000,000 (L)
PROJ.CATEGORY				FY 2020 - \$2,000,000 (TALT5)
DIVISION				FY 2020 - \$500,000 (L)
			CONSTRUCTION	FY 2024 - <u>\$10,000,000 (L)</u>
				\$22,500,000

# **Rules of Procedure**

Wilmington Urban Area Metropolitan Planning  
Organization

Draft

August 28, 2019

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## **CHAPTER 1 – AUTHORITY OF RULES**

### **A. AUTHORITY**

The MPO Board shall establish its own Rules of Procedure in a clear and concise manner to assist them in the general conduct of MPO business. These rules shall prevail to govern the order and conduct of business of the MPO Board until modified or new rules are adopted.

During MPO Board's discussions, deliberations, and proceedings, the Chairman has been designated with the primary responsibility to ensure that the Board and members of the public adhere to the Board's procedures.

### **B. APPLICATION**

These procedures shall be applicable to all members of the MPO Board.

### **C. DEFINITIONS**

MPO Member Jurisdictions: City of Wilmington, Town of Belville, Town of Carolina Beach, Town of Kure Beach, Town of Leland, Town of Navassa, Town of Wrightsville Beach, Brunswick County, New Hanover County, Pender County, Cape Fear Public Transportation Authority, and the North Carolina Board of Transportation.

MPO Board Members: The MPO Board is the policy and decision-making body for the Wilmington Urban Area Metropolitan Planning Organization. The Board is comprised of elected and appointed officials from the City of Wilmington, Towns of Belville, Carolina Beach, Kure Beach, Leland, Navassa, Wrightsville Beach, Brunswick County, New Hanover County, Pender County, Cape Fear Public Transportation Authority, and the North Carolina Board of Transportation.

Alternates: Each of the member boards may appoint one (1) Alternate provided each Alternate also meets the same qualifications of membership. The Alternate member will serve as a full voting member during any meeting where the board's representative(s) is not in attendance.

## **CHAPTER 2 – MPO BOARD ORGANIZATION AND DUTIES**

### **A. GOVERNING BODY**

The MPO Board shall constitute the Governing Body of the Wilmington Urban Area Metropolitan Planning Organization. The Board shall consist as specified in the adopted Memorandum of Understanding. The eligible voting member list consists of a representative from each of the appointment boards with the City of Wilmington having two representatives.

### **B. DUTIES OF THE GOVERNING BODY**

MPO Board Members and MPO staff shall conduct the business of the Wilmington Urban Area Metropolitan Planning Organization. The MPO Board's duties and responsibilities are outlined in the adopted Memorandum of Understanding.

### **C. ELECTION OF OFFICERS**

The Chairman and Vice-Chairman shall be elected annually by the voting members of the Board with their term to begin at that meeting. In the event that there is no Chairman or Vice-Chairman, the TCC Chairman shall preside until a Chairman and Vice-Chairman are elected. The Chairman and Vice-Chairman shall serve for a period of one (1) year from their election and may be re-elected.

### **D. DUTIES OF THE CHAIRMAN**

The Chairman shall:

- preside at all meetings of the Board.
- be responsible for the control, debate and order of speakers.
- decide all questions of order.
- confine debate to matters under discussion.
- put to a vote all matters properly presented before the MPO Board and to declare the result thereof for the record.

### **E. DUTIES OF THE VICE-CHAIRMAN**

The Vice-Chairman shall:

- in the absence of the Chairman, the Vice Chairman shall assume the duties of the Chairman.

## **G. APPOINTMENTS TO COMMITTEES**

The Wilmington Urban Area Metropolitan Planning Organization utilizes direct citizen input through the voluntary appointment of individuals to various committees (e.g., Bicycle and Pedestrian Advisory Committee and Citizen Advisory Committee).

The MPO Board members shall be charged with the responsibility of appointing individuals to serve on these MPO Committees.

### *Vacancies*

A vacancy on a committee shall be effective on the date stated in the individuals' written notice of resignation filed with the MPO.

### *Candidate Qualifications*

Preferred candidates for appointment shall be at least 18 years of age or older and a resident of the jurisdiction of which the committee member will represent, or be otherwise connected to the community in terms of property ownership, business affairs, or by offering a unique and necessary expertise.

### *Appointment Process*

The appointment process will be determined by the MPO Board member making the appointment to the Committee.

### *Compensation*

The Appointees serve on a volunteer basis and shall not be compensated for their services.

### *Attendance*

Each committee member shall be expected to attend each scheduled meeting.

## **CHAPTER 3 – CONDUCT OF THE MPO BOARD**

### **A. GENERAL CONDUCT**

These rules are intended to facilitate professional and orderly conduct of meetings of the Wilmington Urban Area Metropolitan Planning Organization. The purpose of these rules are to provide an orderly and consistent procedure for conducting such meetings. These rules should be followed as necessary to conduct the Board meetings of the Wilmington Urban Area Metropolitan Planning Organization.

All members shall have and share equal rights, privileges, responsibilities and obligations which include but are not limited to the following:

- All Members present and participating in meetings have the right to make, second, or amend motions.
- All Members present and participating have the right to participate in debate when discussion is permitted.
- All Members have the right to make inquiries and seek clarification or further information on pending matters.
- All Members present for meetings have the right to vote on matters, unless prevented by a conflict of interest. If a conflict exists, the member(s) shall request to be recused from discussion and voting on the item. A Conflict of Interest statement will be attached to the minutes of the meeting in which any discussion or vote was taken relating to that conflict disclosure.

### **B. CONDUCT WITH MEMBERS**

Members shall conduct themselves in a proper, professional and ethical manner during all proceedings, and shall respect each other and follow the rules. Each Member shall demonstrate courtesy and respect for the Board and its members, public, and staff.

MPO Board Members shall:

- treat each other and everyone with courtesy and respect.
- refrain from inappropriate behavior and derogatory comments.
- respect and value each other's time.
- limit their comments to the subject matter, item, or motion being currently considered.
- maintain order and decorum during the meeting.
- abide by the *Governing Body Rules of Procedure* in conducting the business of the Wilmington Urban Area Metropolitan Planning Organization.

- exercise control as to the length of their comments.
- respect each other's opportunity to speak and, if necessary, agree to disagree.

### **C. CONDUCT WITH COMMITTEES**

MPO Board Members shall:

- treat all members of MPO committees with appreciation and respect.
- value and respect the service these committee members provide to improve transportation in the Wilmington region.

### **D. CONDUCT WITH THE MEDIA**

MPO Board Members shall:

- not discuss with the media confidential or privileged information pertaining to closed sessions, attorney-client privileged or attorney work product communications including without limitation personnel or litigation.

Press releases will be prepared by the Executive Director or MPO staff for release to the media.

### **E. LITIGATION AND CONFIDENTIAL INFORMATION**

MPO Members shall:

- keep all materials and verbal communication provided to them on matters that are privileged or confidential pursuant to federal or state law in complete confidence to ensure that the MPO's position is not compromised.

### **F. ETHICAL CONDUCT**

MPO Board Members shall:

- conduct themselves in an ethical manner.
- conduct themselves in a manner compliant with Chapter 138A of the North Carolina General Statutes.
- abide by certain ethics standards and certain provisions of the Ethics Act (S.B. 411; S.L. 2013-156) and the Ethics Act through G.S. 136-200.2.

## **CHAPTER 4 – MPO BOARD MEETINGS AND SCHEDULES**

### **A. REGULAR MEETINGS**

Regular meeting schedules will be adopted by the Board at the last meeting of the calendar year for the upcoming year. These meetings will typically be held eleven (11) times per calendar year unless otherwise approved. Notice of these meetings will be published in the Star News and Wilmington Journal at least five (5) days prior to the day of the meeting and also posted in accordance to the State Open Meetings Laws. These meetings and agendas will also be published on the WMPO's website. These meetings are open to members of the public and upon request anyone can be placed on the Board mailing list. At the beginning of each regular meeting, a sign-in sheet will be available before each meeting for those who wish to sign up to speak. Each speaker is limited to three (3) minutes and the entire public comment period shall not exceed fifteen (15) minutes. If necessary, the Chairman can extend the public comment period by a vote of the Board.

Regular meetings of the MPO Board shall be held on the last Wednesday of each month at three (3:00) o'clock P.M., in the 6th Floor Conference Room at 320 Chestnut Street in downtown Wilmington or at such other locations as determined by a majority of the MPO Board members. Any alternate location or change in meeting time shall be specified in the meeting notice.

### **B. SPECIAL MEETINGS**

The Chairman or a majority of board members may at any time call a special meeting of the Board by signing a notice stating the time and place of the meeting and the subjects to be discussed. The person or persons calling the meeting shall cause the notice to be posted at City Hall in downtown Wilmington or the door of the regular meeting place at least forty-eight hours before the meeting. In addition, the notice shall be e-mailed or mailed to individuals and local news organizations. Only items of business specified in the notice may be transacted at a special meeting.

### **C. EMERGENCY MEETINGS**

If a special meeting is called to deal with an unexpected circumstance requiring immediate consideration, the notice requirements of this rule do not apply. However, the person or persons calling an emergency meeting shall take responsible action to inform the other board members and the public of the meeting. Local news organizations having requested notice of the special meetings shall be notified of such emergency meetings by the same method used to notify the board members. Only business connected to the emergency may be discussed at this meeting.

### **D. CLOSED SESSIONS**

Closed sessions shall generally be conducted as needed. In accordance with the North Carolina General Statutes, closed sessions shall be held only when required to permit a public body to



act in the public interest as permitted in N.C.G.S. § 143-318.11. A public body may hold a closed session only upon a motion duly made and adopted at an open meeting. Every motion to close a meeting shall state one or more of the authorized purpose(s) for the closed session.

Closed sessions are closed to the public. The closed session is to protect important privacy interests and matters that are confidential or privileged under federal or state law, and subjects discussed during these sessions should not be shared outside of the session. No action will be taken during closed session except as permitted by state law.

No closed session will be held without the presence of MPO legal counsel.

## **E. PUBLIC HEARINGS**

The MPO Board shall hold public hearings when required by federal, state or local law. Public hearings are officially opened and closed by the Chairman.

## **F. ATTENDANCE**

Each member shall be expected to attend each scheduled meeting. Any Board member asking to be excused shall require a call to the MPO's Executive Director at least 24 hours in advance of the meeting. The Executive Director will at the beginning of the Board meeting, list the members requesting to be excused which will require a vote from the Board to approve these excused absences. If an Alternate attends a meeting in place of the member, this will not count as an absence for the member. For members not attending three (3) consecutive Board meetings, the Chairman will send to the chief elected officer of the jurisdiction of the member in question, a letter indicating the number of absences and requesting re-affirmation or re-designation of the jurisdiction's representative.

## **G. MEETING RULES**

Meetings shall be conducted under parliamentary procedures consistent with Robert's Rules of Order, most recent edition.

## **CHAPTER 5 - MEETING GUIDELINES & PROCEDURES**

### **A. GENERAL**

#### **Authority**

The MPO Board acts as a body and policy is established by majority vote.

#### **Majority Vote**

Any member may call for a vote on any issue provided that it is seconded and within the purposes set forth in the "Memorandum of Understanding." Each voting member of the Board shall have one vote, and a majority vote of those present and voting shall constitute approval of any motion, provided a quorum exists and provided that a super-majority vote is not required for approval of the item under applicable law, the WMPO Board Bylaws or these Rules of Procedure. Abstentions are not included in the tally of the votes. A Board member's absence, whether excused or unexcused, shall not be counted as an affirmative or negative vote on any matter. Proxy and absentee voting are not permitted.

#### **Meetings to be Public**

All meetings of the MPO Board are required to be open to the public with the exception of closed sessions.

#### **Quorum**

A quorum is required for the transaction of all business, including conducting meetings or hearings, participating in deliberations or voting upon or otherwise transacting public business. A quorum consists of 51% of the members of the Board, plus as many additional members as may be required to ensure that 51% of the possible votes are present.

#### **Location**

All public meetings shall be held at 320 Chestnut Street in the 6<sup>th</sup> Floor Conference Room, or at such other locations as determined by a majority of the MPO Board members. Any alternate location or change in meeting time or location shall be specified in the notice for the meeting.

#### **Action**

Action by the Board shall be taken by means of resolution or oral motion duly made and passed by the majority as a body.

Public actions of the Board shall be recorded in the minutes of all regular meetings, special meetings and/or emergency meetings. Resolutions shall also be recorded and filed in the MPO offices.

The Board may take action on items calendared on the agenda. Items may be added or removed prior to adoption of the agenda.

#### **Sequence of Agenda Items**

The MPO Board adopts the agenda at the beginning of the meeting. The sequencing of the items can be modified by the Board upon adoption of the agenda.

### Minutes

It is the responsibility of the MPO's Clerk or designated recording secretary to keep and enter a written account of all Board meetings. The official record of the meeting is the minutes after they have been approved by the MPO Board.

### Right of Floor

The Chair will recognize members of the Board, staff or audience desiring to speak, and confine remarks to the subject under consideration.

### MPO Executive Director

The Executive Director or designee attends all MPO Board meetings and work sessions and may make recommendations to the Board.

## **B. AGENDA**

The agenda is the list of items suggested for consideration and/or discussion at a Board meeting. Agenda items originate from the Executive Director or as a carry-over from previous meetings.

## **C. REQUIREMENTS FOR AGENDA ITEM SUBMISSION**

Technical Coordinating Committee (TCC) and Board members may submit an item(s) to their respective TCC and Board agendas. In order for a Board member to submit an item(s) to the TCC or Board, the item(s) must be submitted no later than 5:00 p.m. the first business day of the calendar month in which the item is requested to be considered. The item must include all pertinent background materials (resolution, maps, etc.). The Board shall approve the agenda at the beginning of each meeting. At this time, the Board shall have the ability to add or remove any item on the agenda by a vote of at least two-thirds (2/3) of the Board's voting members present. An item added to the agenda will be placed for consideration at the end of the meeting.

## **D. AGENDA PACKET PREPARATION**

The Executive Director shall review and approve all items for the MPO Board agendas. The agenda packets shall be provided to the Board at least 5 days prior to the Board meetings for Regular Meetings. For Special Meetings, the packets shall be provided no less than 48 hours prior to the meeting. For Emergency Meetings, the agenda may be provided in advance or at the meeting.

The agenda and agenda packets are compiled and distributed through the Executive Director. Packet information will be electronically transferred via e-mail to the MPO Board members. In addition, the agenda packets are also placed on the Wilmington Urban Area Metropolitan Planning Organization's website.

## **E. AGENDA FORMAT**

The Board may reorder the agenda items to expedite the agenda or for the benefit of the public.

### Call to Order

The Chairman shall open each regular meeting at the appointed hour.

### Conflict of Interest Statement

In accordance with Senate Bill 411, it is the duty of all MPO Board members, alternates or designees to disclose in writing any conflicts of interest. The statement will be attached to the minutes of the meeting in which any discussion or vote was taken relating to that conflict disclosure.

### Approval of Board Member Excused Absences

Each member shall be expected to attend each scheduled meeting. Any Board member asking to be excused shall require a call to the MPO's Executive Director at least 24 hours in advance of the meeting. The Executive Director will at the beginning of the Board meeting, list the members requesting to be excused which will require a vote from the Board to approve these excused absences.

### Approval of the Agenda

The MPO Board shall approve the agenda at the beginning of each regular meeting. This approval will outline the business of the Board's meeting.

### Election of Officers

The Chairman and Vice-Chairman shall be elected annually by the voting members of the Board, with their terms to begin at that meeting. The Chairman and Vice-Chairman shall serve for a period of one (1) year from their election and may be re-elected. This election shall occur during the first Board meeting of the calendar year or as needed upon a resignation of the Chairman or Vice-Chairman.

### Public Comment Period

Time shall be set aside at every regular meeting and work session to allow the public to address the Board on matters that are listed or not listed on the printed agenda. Those wishing to speak may do so during the "Public Comment" period. At the beginning of each regular meeting, a sign-in sheet will be available before each meeting for those who wish to sign up to speak. Each speaker is limited to three (3) minutes and the entire public comment period shall not exceed fifteen (15) minutes. If necessary, the Chairman can extend the public comment period by a vote of the Board.

Each person addressing the MPO Board must approach the front of the room when recognized by the Chairman, communicate his or her name and address and then their public comments.

Members of the MPO Board are discouraged from engaging in debate with a member of the public at the Board meetings.

### Closed Session

The Closed Session portion of the meeting is reserved for times when the Board determines it necessary to enter into a Closed Session as allowed by North Carolina General Statute. It does not preclude the Board from entering into Closed Session at any point during an open meeting as the Board deems necessary.

### Presentation(s)

This time may be used as necessary to present awards or to receive remarks and presentations by distinguished guests or staff on items of interest to the Board.

### Consent Agenda

These are items on the MPO Board agenda which are considered to be of a routine and noncontroversial nature by the Executive Director, shall be listed on the consent agenda. These items shall be acted upon collectively under a single motion. A member of the Board may remove any item from the consent agenda for discussion. Any item removed will be heard immediately following action on the remaining consent agenda items.

### Public Hearings

The Public Hearings portion of the meeting is reserved for any items requiring a formal public hearing when required by federal, state or local law.

### Old Business

Old Business contains items which have been previously discussed and require Board action or direction.

### Regular Agenda

The Regular Agenda contains items which may not have been previously discussed and require Board action or direction. These items may or may not be considered controversial. These items will be accompanied by a resolution.

### Discussion

Discussion items are items that require Board discussion. These items will not include an accompanying resolution. Items listed under discussion may or may not receive action and/or direction during a meeting. The Board may decide to take action on any discussion item or may request staff to return with an accompanying resolution at a future date.

### Updates

This time is reserved to receive updates from the MPO and the various transportation partners on efforts underway in their respective organizations. Typically this information is provided in written form and included in the agenda packet.

### Announcements

This is the time when any upcoming public meetings that would be of interest to the Board are provided.

### Adjournment

Before there can be an adjournment, the Board must, by proper action, move and vote for adjournment. Upon adjournment, the meeting is ended and no further business can be conducted.

# Prioritization 6.0

## Scoring Criteria, Weights, and Normalization for All Modes (with Criteria Definitions)

*Recommended by the P6.0 Workgroup to the Board of Transportation on June 6, 2019*

The purpose of this document is to outline the criteria, weights, and scoring process recommendations resulting from the P6.0 Workgroup in accordance with the Strategic Transportation Investments law. The goal is the understanding of each mode's scoring within the overall Prioritization process, in order to achieve approval by the Board of Transportation.

Each mode is displayed with criteria and associated weights for the **Statewide Mobility**, **Regional Impact**, and **Division Needs** categories. Following the criteria and weights is a list of definitions for each criteria, specific to each mode.

Below is an example of how criteria (in any mode) are weighted to calculate a quantitative score, and how that score later combines with the Local Input to create a project's total score.

Quantitative Score vs. Local Input				
Funding Category	<u>QUANTITATIVE</u>		<u>LOCAL INPUT</u>	
	Data		Division	MPO/RPO
Statewide Mobility	Criteria 1 = 30% Criteria 2 = 25% Criteria 3 = 15% Criteria 4 = 10% Criteria 5 = 15% Criteria 6 = 5%	100%	--	--
Regional Impact	Criteria 1 = 20% Criteria 2 = 20% Criteria 3 = 10% Criteria 4 = 10% Criteria 5 = 10%	70%	15%	15%
Division Needs	Criteria 1 = 15% Criteria 2 = 15% Criteria 3 = 10% Criteria 4 = 5% Criteria 5 = 5%	50%	25%	25%

## Highway Criteria & Weights

Mobility Projects (Roadway Widening, Intersection/Interchange Improvements, Access Management):

Statewide Mobility		Regional Impact		Division Needs	
30%	Congestion	20%	Benefit-Cost	15%	Benefit-Cost
25%	Benefit-Cost	20%	Congestion	15%	Congestion
25%	Freight	10%	Accessibility/Connectivity	10%	Safety
10%	Economic Competitiveness	10%	Freight	5%	Accessibility/Connectivity
10%	Safety	10%	Safety	5%	Freight

Modernization Projects (Modernize Roadway, Upgrade Freeway to Interstate):

Statewide Mobility		Regional Impact		Division Needs	
25%	Freight	25%	Safety	20%	Safety
25%	Safety	10%	Freight	10%	Pavement Condition
20%	Paved Shoulder Width	10%	Lane Width	10%	Paved Shoulder Width
10%	Congestion	10%	Pavement Condition	5%	Freight
10%	Lane Width	10%	Paved Shoulder Width	5%	Lane Width
10%	Pavement Condition	5%	Congestion		

**Congestion:** Measurement of the traffic volume (accounting for seasonal traffic) on the roadway compared to the existing capacity of the roadway, weighted by the traffic volume (accounting for seasonal traffic) along the roadway.

**Benefit/Cost:** Measurement of travel time savings and safety benefits the project is expected to provide over 10 years compared to the cost of the project to NCDOT, and the amount of other/local funds compared to the total project cost.

**Freight:** Measurement of truck volume and truck percentage of total traffic on the roadway, and the degree the project is helping to complete a future interstate corridor (if applicable).

**Safety:** Measurement of the existing severity, frequency, and rate of crashes along the roadway and the safety benefits the project is expected to provide over 10 years.

**Economic Competitiveness:** Measurement of the estimated percent change in economic activity within the county and the percent change in the number of long term jobs that the project is expected to provide over 10 years.

**Accessibility/Connectivity:** Measurement of county economic distress indicators and the degree the project upgrades mobility of the roadway, with the goal of improving access to opportunity in rural and less-affluent areas and improving interconnectivity of the transportation network.

**Lane Width:** Measurement of lane width deficiencies compared to the NCDOT standard for each roadway facility type.

**Paved Shoulder Width:** Measurement of paved shoulder width deficiencies compared to the NCDOT standard for each roadway facility type.

**Pavement Condition:** Measurement of overall pavement condition using the NCDOT's pavement condition rating (PCR).



## Aviation Criteria & Weights

Statewide Mobility		Regional Impact		Division Needs	
40%	NCDOA Project Rating	30%	NCDOA Project Rating	25%	NCDOA Project Rating
30%	FAA ACIP Rating	15%	Benefit/Cost	10%	Benefit/Cost
20%	Benefit/Cost	15%	FAA ACIP Rating	10%	FAA ACIP Rating
10%	Constructability Index	10%	Constructability Index	5%	Constructability Index

**NCDOA Project Rating:** Scores projects based on project categories within the NC Airports System Plan, developed by the NCDOT Division of Aviation (DOA). Points are assigned based on priority and need of the project.

**FAA ACIP Rating:** Scores projects based on ratings within the Federal Aviation Administration (FAA) Airport Capital Improvement Plan (ACIP). Ratings are based on critical airport development and capital needs for the National Airspace System (NAS).

**Constructability Index:** Scores projects based on various measures of a project's readiness for construction.

**Benefit/Cost:** Measurement of a project's total economic contribution compared to the cost of the project to NCDOT, and the amount of other/local funds compared to the total project cost.

## Bicycle/Pedestrian Criteria & Weights

Statewide Mobility	Regional Impact	Division Needs	
(not eligible)	(not eligible)	20%	Safety
		15%	Accessibility/Connectivity
		10%	Demand/Density
		5%	Cost Effectiveness

**Safety:** Measurement of the number of bicycle and pedestrian crashes, severity of the crashes, crash risk based on existing surroundings, and safety benefit the project is expected to provide.

**Accessibility/Connectivity:** Measurement of the quantity of destinations near the project, the quantity of connections to existing or planned bicycle/pedestrian facilities, and whether the project improves or connects to a designated bicycle route.

**Demand/Density:** Measurement of the population and employment density within a walkable or bikeable distance of the project.

**Cost Effectiveness:** Measurement of total Safety, Accessibility/Connectivity, and Demand/Density criteria scores compared to the cost of the project to NCDOT.

## Ferry Criteria & Weights

Statewide Mobility	Regional Impact		Division Needs	
(not eligible)	20%	Capacity/Congestion	15%	Asset Condition
	15%	Asset Condition	15%	Asset Efficiency
	15%	Asset Efficiency	10%	Accessibility/Connectivity
	10%	Accessibility/Connectivity	10%	Benefits
	10%	Benefits		

**Capacity/Congestion:** Measurement of the number of vehicles left behind at each departure compared to the total number of vehicles loaded and carried by the route.

**Asset Condition:** Measurement of the asset condition rating by the NCDOT Ferry Division.

**Asset Efficiency:** Measurement of the cost effectiveness of continued maintenance of the asset compared to replacement of the asset.

**Benefits:** Measurement of the monetized value of the number of hours saved by utilizing the ferry route instead of taking the shortest alternative roadway route.

**Accessibility/Connectivity:** Measurement of the number of jobs, services, and other points of interest near the project.

## Public Transportation Criteria & Weights (Mobility Projects)

Statewide Mobility	Regional Impact		Division Needs	
(not eligible)	25%	Cost Effectiveness	20%	Cost Effectiveness
	20%	Demand/Density	10%	Demand/Density
	15%	Impact	10%	Efficiency
	10%	Efficiency	10%	Impact

**Impact:** Measurement of the trips generated and relieved by the project in 10 years.

**Demand/Density:** Measurement of the total trips along the project route in 10 years compared to the service area population for the project route.

**Efficiency:** Measurement of the total trips along the project route in 10 years compared to the total revenue seat hours of the project route in 10 years.

**Cost Effectiveness:** Measurement of the trips generated by the project in 10 years compared to the cost of the project to NCDOT (annualized by the lifespan of the project).

## **Public Transportation Criteria & Weights (Demand Response Projects)**

Statewide Mobility	Regional Impact		Division Needs	
(not eligible)	25%	Cost Effectiveness	15%	Cost Effectiveness
	20%	Demand/Density	15%	Demand/Density
	15%	Efficiency	10%	Efficiency
	10%	Impact	10%	Impact

**Impact:** Measurement of the trips generated by the project in 10 years.

**Demand/Density:** Measurement of the total operating hours of the system in 10 years compared to the service area population for the system.

**Efficiency:** Measurement of the number of vehicles in maximum service by the system compared to the total number of vehicles in the fleet (utilization ratio).

**Cost Effectiveness:** Measurement of the trips generated by the project in 10 years compared to the cost of the project to NCDOT (annualized by the lifespan of the project).

## **Public Transportation Criteria & Weights (Facility Projects)**

Statewide Mobility	Regional Impact	Division Needs	
(not eligible)	(not eligible)	15%	Cost Effectiveness
		15%	Impact
		10%	Demand/Density
		10%	Efficiency

**Impact:** Measurement of the trips generated by the project in 10 years.

**Demand/Density:** Growth trend of ridership for the system over the previous 5 years.

**Efficiency:** Measurement of the total trips at the facility with the project in place (passenger facilities), the square footage per employee (administrative facilities), or the number of vehicles per bay (maintenance facilities).

**Cost Effectiveness:** Measurement of the trips generated by the project in 10 years compared to the cost of the project to NCDOT (annualized by the lifespan of the project).

## Rail Criteria & Weights

Statewide Mobility		Regional Impact		Division Needs	
35%	Benefit-Cost	25%	Benefit-Cost	15%	System Opportunities
30%	Safety	15%	Safety	10%	Benefit-Cost
15%	System Opportunities	10%	Capacity and Diversion	10%	Capacity and Diversion
10%	Capacity and Diversion	10%	Economic Competitiveness	10%	Safety
10%	Economic Competitiveness	10%	System Opportunities	5%	Economic Competitiveness

**Benefit-Cost:** Measurement of monetized benefits compared to the cost of the project to NCDOT, and the amount of other/local funds compared to the total project cost.

**Safety:** Measurement of crash potential at highway/rail crossings, based on the NCDOT Rail Division's Investigative Index.

**System Opportunities:** Measurement of the project's degree of access to industrial/commercial development or nearby points of interest, and the degree of interaction between Rail and other modes.

**Capacity and Diversion:** Measurement of train volume compared to track capacity, and the amount of freight and/or passenger volumes diverted off highways by the project.

**Economic Competitiveness:** Measurement of the estimated number of full time jobs created in 20 years.

## **Normalization in P6.0**

- **Statewide Mobility** (only) – No normalization, scores are stand-alone for comparison (Highway, Aviation, and Freight Rail eligible projects)
- **Regional Impact & Division Needs** – Allocate funds to Highway and Non-Highway modes based on minimum percentages (shown below)

Mode	Statewide Mobility	Regional Impact	Division Needs
Highway	No Normalization	90% minimum (Region competition)	90% minimum (Division competition)
Non-Highway		4% minimum (Statewide competition)	4% minimum (Division competition)
Flex (All Modes)		6% (Region competition)	6% (Division competition)

## **Committed Projects – Not subject to re-evaluation in P6.0**

- First Right-of-Way (ROW) OR Construction (CON) date in 2020-2025 based on Final 2020-2029 STIP (first 6 years of STIP)

## **Carryover Projects – Automatically carry over from P5.0 for evaluation in P6.0**

Project must meet at least one of the following criteria:

- Programmed in the Final 2020-2029 STIP, but not considered a Committed Project
- Sibling of a programmed project (where unfunded limits are included in a single NEPA/SEPA document)
- Project has a NEPA/SEPA document completed within the last 10 years (2009-2018) or the NEPA/SEPA document is actively being worked on (with scoping meeting completed by 12/31/2018)

## **Number of Project Submittals for Each Mode**

MPOs and RPOs:

- Base of 12 submittals, plus:
  - + One additional submittal for every 50,000 in population
  - + One additional submittal for every 500 centerline miles

NCDOT Divisions:

- 14 submittals each

All submittals must be coordinated with associated MPOs, RPOs, and Divisions.

## **Number of Local Input Points for Regional Impact and Division Needs Categories**

Number of Points per Area:

- Base of 1,000 points, plus:
  - + 100 additional points for every next 50,000 in population
- Maximum 2,500 points per area
- Same allocation of points for Regional Impact and Division Needs categories
- 100 point max per project per category
- Flex Policy (new in P6.0): up to 500 points (half of base allotment) can be transferred between Regional Impact and Division Needs within an organization

2019					2020												
Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
BOT approves P6.0 Criteria & Weights		BOT adopts 2020-2023 SIP															
		MPOs, RPOs, & Divisions test, enter, and submit projects into SPOT Online															
SPOT Reviews and Calculates Quant. Scores for All Projects (Existing + New)																	
Review period of all data & costs to be used for scoring (by MPOs, RPOs, and Divisions)																	
NCDOT Provides Report to JLTOC																	

**Notes:**  
Blue Box = NC BOT Actions  
Yellow Box = MPO/RPO/Division Input  
Green Box = NCDOT Work Tasks

							2021						2022					
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
SPOT Reviews and Calculates Quant. Scores for All Projects (Cont'd.)		TIP Unit Programs Statewide Mobility Projects	MPOs, RPOs, & Divisions assign Regional Impact Local Input Points (with option to assign Division Needs Local Input Points)				SPOT finalizes Regional Impact scores and TIP Unit programs Regional Impact projects	MPOs, RPOs, & Divisions assign Division Needs Local Input Points	<p><b>Key Dates:</b></p> <ul style="list-style-type: none"> <li>July 2019: BOT approves P6.0 Criteria &amp; Weights</li> <li>October 2019: SPOT Online opens for testing, entering, and submitting projects (closes 5/1/2020)</li> <li>December 20, 2019: Carryover Project Deletions due for receiving extra submittals (one out, one in) Carryover Project Modifications due</li> <li>May 1, 2020: Area-Specific Weights due</li> <li>SPOT Online closes for submitting projects</li> <li>End of February 2021: Quantitative scores for all projects released</li> <li>Draft list of Programmed Statewide Mobility projects released</li> <li>March 1, 2021: Regional Impact Local Input Point window opens for 3 months (closes 5/28/2021)</li> <li>Deadline for Approval of Local Input Point Assignment Methodologies</li> <li>End of July 2021: Draft list of Programmed Regional Impact Projects released</li> <li>August 2, 2021: Division Needs Local Input Point window opens for 3 months (closes 10/29/2021)</li> <li>February 2022: DRAFT 2023-2032 STIP released</li> </ul>									
																		BOT adopts 2023-2032 STIP

Proposed Revisions to 2018-2027 STIP/MPO TIP Programs

STIP/MPO TIP Modification # 19-4  
(August 2019)

EB-5600 NEW HANOVER PROJ.CATEGORY DIVISION	SR 1219 (SOUTH 17TH STREET), HOSPITAL PLAZA TO INDEPENDENCE BOULEVARD. CONSTRUCT MULTIUSE PATH. <u>AT THE REQUEST OF THE MUNICIPALITY, DELAY</u> <u>CONSTRUCTION FROM FY 19 TO FY 20.</u>	CONSTRUCTION	FY 2020 - \$746,000 (BGANY) FY 2020 - <del>\$187,000</del> (L) \$933,000
I-6036 BRUNSWICK PROJ.CATEGORY STATEWIDE	I-140, US 17 TO NORTH OF US 74. PAVEMENT REHABILITATION. TO STRATEGICALLY BALANCE LETTINGS, DELAY CONSTRUCTION FROM FY 19 TO FY 20.	CONSTRUCTION	FY 2020 - <del>\$1,400,000</del> (NHPIM) \$1,400,000



HIGHWAY PROGRAM

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

ROUTE/CITY COUNTY		ID NUMBERS	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ YEARS COST (THOU)	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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							DELIVERABLE PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED FUTURE YEARS			
							FUNDS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028		FY 2029		
RURAL PROJECTS																				
US 17/US 74/US 76	R-3601	NC 133/SR 1472 (VILLAGE ROAD) INTERCHANGE TO THE US 421/NC 133 INTERCHANGE. ADD ADDITIONAL LANES ON NORTH AND SOUTHBOUND LANES AND WIDEN BRIDGE 090107 AND BRIDGE 090108.	1.5	71234	71234															
BRUNSWICK																				
NEW HANOVER																				
ONSLOW																				
PENDER																				
SAMPSON																				
UNDER CONSTRUCTION																				
VARIOUS	R-5783	DIVISION 3 PROGRAM TO UPGRADE INTERSECTIONS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (ADA) USING TRANSPORTATION ALTERNATIVES (TA) FUNDS.		4280	3780	TA	C	400												
					S		C	100												
BRUNSWICK																				
DUPLIN																				
NEW HANOVER																				
ONSLOW																				
PENDER																				
SAMPSON																				
UNDER CONSTRUCTION; "S" FUNDS REFLECT STATE HIGHWAY FUNDS																				
DIV	US 17	US 17 BYPASS SOUTH OF HAMPSTEAD TO US 17 NORTH OF HAMPSTEAD. CONSTRUCT FREEWAY ON NEW LOCATION	12.3	340632	101547	T							CB	6435	A	CB	6435	A		
(HAMPSTEAD BYPASS)	R-3300					T							C	12667	A	C	12666	A		
						T							CB	6864	B	CB	6864	B		
						T							C	1600	B					
NEW HANOVER	H090215	US 17 BYPASS SOUTH OF HAMPSTEAD TO NC 210. - PLANNING/DESIGN IN PROGRESS - RIGHT-OF-WAY IN PROGRESS. BUILD NC BOND FUNDING \$75 M PAYBACK 2023 - 2037.				REG A	H090215-A													
PENDER		NC 210 TO US 17 NORTH OF HAMPSTEAD. - PLANNING/DESIGN IN PROGRESS. BUILD NC BOND FUNDING \$80 M PAYBACK 2021 - 2035.				REG B	H090215-B													
URBAN PROJECTS																				
US 17	U-5732	SR 1582 (WASHINGTON ACRES ROAD) TO SR 1563 (SLOOP POINT LOOP ROAD). CONVERT TO SUPERSTREET.	5.5	64655	39555	T														
PENDER	H141537					REG A	H141537													
RIGHT-OF-WAY IN PROGRESS																				
US 17 BUSINESS (MARKET STREET)	U-4902	COLONIAL DRIVE TO SR 1402 (PORTERS NECK ROAD). ACCESS MANAGEMENT IMPROVEMENTS.	8.6	122044	64844	T														
NEW HANOVER	H090499					T							C	12300	C	C	12300	C		
A SR 1272 (NEW CENTRE DRIVE) TO MARTIN LUTHER KING JR., BOULEVARD. - COMPLETE																				
REG B H090499-B CSX RAILROAD TO CINEMA DRIVE; JACKSONVILLE STREET TO NORTH OF US 117/NC 132 (COLLEGE ROAD). - RIGHT-OF-WAY IN PROGRESS																				
SW C H090499-C NORTH OF US 117/NC 132 (COLLEGE ROAD) TO STATION ROAD. - RIGHT-OF-WAY IN PROGRESS. INCLUDES U-5880.																				
SW D H090499-D SR 1403 (MIDDLE SOUND LOOP ROAD) TO SR 2290 (MENDEHNALL DRIVE)/ SR 2734 (MARSH OAKS DRIVE). - UNDER CONSTRUCTION																				

DIV - Division Category	EX - Exempt Category	SD - State Dollars (Non-STI)
HF - State Dollars (Non STI)	REG - Regional Category	
SW - Statewide Category	TRN - Transition Project	

HIGHWAY PROGRAM

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

ROUTE/CITY COUNTY		ID NUMBERS	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ COST (THOU)	PRIOR YEARS COST	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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HIGHWAY PROGRAM

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

				TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																								
ROUTE/CITY COUNTY	ID NUMBERS	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ YEARS COST (THOU)	PRIOR YEARS COST (THOU)	DELIVERABLE PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED FUTURE YEARS												
						FUNDS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028		FY 2029											
URBAN PROJECTS																												
SR 1175 (KERR AVENUE)	U-6201	SR 1411 (WRIGHTSVILLE AVENUE) TO US 76 (OLEANDER DRIVE). CONSTRUCT ROADWAY ON NEW LOCATION.	0.3	5410	10	T																						
					T																							
					T								C	1600														
NEW HANOVER																												
DIV																												
SR 1209 (INDEPENDENCE BOULEVARD EXTENSION)	U-4434	RANDALL PARKWAY TO US 74 (MLK, JR. PARKWAY) IN WILMINGTON. MULTI-LANES ON NEW LOCATION.	1.7	130696	4163	BGANY																						
					BGANY																							
					BGANY								C	25533														
NEW HANOVER																												
DIV																												
NEW ROUTE	U-5926	SR 1302 (23RD STREET) TO 26TH STREET. CONSTRUCT ROUTE ON NEW LOCATION. ECONOMIC DEVELOPMENT PROJECT.	8732	3410	L		R	225																				
					T		R	225																				
					L				C	2436																		
NEW HANOVER																												
ECONOMIC DEVELOPMENT PROJECT.																												
DIV																												
NEW ROUTE (CAPE FEAR CROSSING)	U-4738	US 17 TO US 421 (INDEPENDENCE BOULEVARD-CAROLINA BEACH ROAD) INTERSECTION. CONSTRUCT A NEW FACILITY WITH STRUCTURE OVER THE CAPE FEAR RIVER.	11.2	1026790	11540	NHP																						
					NHP																							
					BOND R																							
NEW HANOVER																												
BRUNSWICK NEW HANOVER																												
US 17 IN BRUNSWICK COUNTY TO NC 133. CONSTRUCT FREEWAY ON NEW LOCATION.																												
DIV A H129646-A US 17 IN BRUNSWICK COUNTY TO NC 133. CONSTRUCT FREEWAY ON NEW LOCATION.																												
B H129646-B NC 133 TO US 421 (INDEPENDENCE BOULEVARD). CONSTRUCT FREEWAY ON NEW LOCATION WITH A STRUCTURE OVER THE CAPE FEAR RIVER.																												



HIGHWAY PROGRAM

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

			TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																	
ROUTE/CITY	COUNTY	ID	TOTAL PROJ COST (THOU)	PRIOR YEARS COST	DELIVERABLE PROGRAM											UNFUNDED				
					FUNDS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FUTURE YEARS				
URBAN PROJECTS																				
US 74	(MARTIN LUTHER KING, JR. PARKWAY)	U-5792	26610	1500	T															
					T															
		H141226																		
DIV					PROJECT TO BE LET WITH U-5881.															
SR 1409	(MILITARY CUTOFF ROAD EXTENSION)	U-4751	229159	181509	T	C	23825	C	23825											
		H129103																		
SW					LENDIRE ROAD, WEST OF US 17 BUSINESS (MARKET STREET) TO US 17 BUSINESS (MARKET STREET)/SR 1403 (MIDDLE SOUND LOOP ROAD), REALIGN ROADWAY. - UNDER CONSTRUCTION															
UNDER CONSTRUCTION																				
US 76	(OLEANDER DRIVE)	U-6128	9560	260	B	GANY											U	500		
					B	GANY											R	3750		
		H171546			B	GANY											C	3300		
REG																				
WILMINGTON		U-6199	15970	10	T															
					T															
NEW HANOVER		H171364			T															
DIV																				
BRIDGE PROJECTS																				
NC 133		B-4590	5072	972	N	H	P	B												
					N	H	P	B	C	4100										
HF																				
HIGHWAY SAFETY PROJECTS																				

DIV - Division Category	EX - Exempt Category	SD - State Dollars (Non-STI)
HF - State Dollars (Non STI)	REG - Regional Category	
SW - Statewide Category	TRN - Transition Project	

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

HIGHWAY PROGRAM

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VARIOUS				W-5203	DIVISION 3 RUMBLE STRIPS, GUARDRAIL, SAFETY AND LIGHTING IMPROVEMENTS AT SELECTED LOCATIONS.		22135	21485	HSIP	C	650																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

DIVISION PURCHASE ORDER CONTRACT (DPOC) - IN PROGRESS																	
VARIOUS	W-5703	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN DIVISION 3.	3236	2536	HSIP	R	30	DIV									
					HSIP	C	180	DIV									
					HSIP	R	30	REG									
					HSIP	C	180	REG									
					HSIP	R	40	SW									
				HSIP	C	240	SW										
BRUNSWICK DUPLIN NEW HANOVER				DIV	DIV												
					REG	REG											
					SW	SW											

MITIGATION PROJECTS				IN PROGRESS	
VARIOUS	EE-4903	ECOSYSTEMS ENHANCEMENT PROGRAM FOR DIVISION 3 PROJECT MITIGATION.	5505	5505	
BRUNSWICK					
DUPLIN					
NEW HANOVER					
ON SLOW					
PENDER					
SAMPSON					
				IN PROGRESS	



NON-HIGHWAY PROGRAM

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																		
TOTAL PRIOR PROJ YEARS COST COST (THOU)		DELIVERABLE PROGRAM																
ROUTE/CITY	ID	NUMBERS	LOCATION / DESCRIPTION	LENGTH	FUNDS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	DEVELOPMENTAL PROGRAM						UNFUNDED FUTURE YEARS
BICYCLE AND PEDESTRIAN PROJECTS																		
VARIOUS	U-5527		WILMINGTON URBAN AREA MPO TRANSPORTATION ALTERNATIVES PROGRAM.		3083	273	TADA	R	25	R	25	R	25	R	25	R	25	
						L	R	6	R	6	R	6	R	6	R	6		
							C	200	C	200	C	200	C	200	C	200		
						L	C	50	C	50	C	50	C	50	C	50		
BRUNSWICK																		
NEW HANOVER																		
PENDER																		
IN PROGRESS																		
FERRY PROJECTS																		
VARIOUS		F-5301	CEDAR ISLAND, SOUTHPORT AND FORT FISHER DOCKS. REPLACE DOLPHINS.		980	980												
BRUNSWICK																		
CARTERET																		
NEW HANOVER																		
UNDER CONSTRUCTION																		
TRN																		



NON-HIGHWAY PROGRAM

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS															
TOTAL PRIOR PROJ YEARS COST COST (THOU)		DELIVERABLE PROGRAM										UNFUNDED			
ROUTE/CITY	ID NUMBERS	LOCATION / DESCRIPTION	LENGTH	FUNDS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FUTURE YEARS
FERRY PROJECTS															
SOUTHPORT-FORT FISHER	F-5705	SOUTHPORT-FORT FISHER FERRY. CONSTRUCT RIVER CLASS FERRY.		T										C	13300
BRUNSWICK	F150235														
NEW HANOVER															
REG															
FREIGHT RAIL PROJECTS															
CSX SE LINE	P-5740	TIE AND RAIL REHABILITATION. IMPROVEMENTS TO HIGHWAY GRADE CROSSINGS, CURVE RE-ALIGNMENTS AND UPGRADE SWITCH OPERATIONS. CLOSE AND IMPROVE VARIOUS EXISTING AT GRADE CROSSINGS.	13.0	40800		R	600								
				T			C	7513							
NEW HANOVER	R170187			DP			C	25774							
SW															
DISCRETIONARY FUNDING PROVIDED FROM FEDERAL CRISI GRANT															
BICYCLE AND PEDESTRIAN PROJECTS															
SR 1219 (SOUTH 17TH STREET)	EB-5600	HOSPITAL PLAZA TO INDEPENDENCE BOULEVARD. CONSTRUCT MULTI-USE PATH.	1.7	933	B	GANY	C	746							
				L		C	187								
NEW HANOVER	B141213														
DIV															
PLANNING, DESIGN, RIGHT-OF-WAY, AND CONSTRUCTION BY CITY OF WILMINGTON.															
SR 1403 (MIDDLE SOUND LOOP ROAD)	EB-5543	OGDEN ELEMENTARY SCHOOL TO SR 1986 (OYSTER DRIVE). CONSTRUCT MULTI-USE PATH.		230	230										
NEW HANOVER															
TRN															
UNDER CONSTRUCTION															
CARENDON AVENUE	EB-6029	CONSTRUCT MULTI-USE PATH ALONG CLARENDON AVENUE FROM 4TH STREET TO SR 1573 (DOW ROAD).	0.5	682	37	L		C	129						
NEW HANOVER						TADA		C	516						
DIV															
GARY SHELL CROSS-CITY TRAIL	EB-5544	WILMINGTON. CONSTRUCT BICYCLE AND PEDESTRIAN ACCOMODATIONS ON SOUTH 17TH STREET. WAL TMOOR ROAD, AND BETHEL ROAD.		250	250										
NEW HANOVER															
TRN															
UNDER CONSTRUCTION - OTHER FUNDING - \$525 FROM BLUE CROSS BLUE SHIELD, \$75 FROM STATE FUNDS.															

NON-HIGHWAY PROGRAM

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

ROUTE/CITY COUNTY		ID NUMBERS	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ YEARS COST COST (THOU)	PRIOR YEARS COST (THOU)	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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							FUNDS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	UNFUNDED FUTURE YEARS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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DIV - Division Category	EX - Exempt Category	SD - State Dollars (Non-STI)
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NON-HIGHWAY PROGRAM

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

				TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																
ROUTE/CITY COUNTY	ID NUMBERS	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ YEARS COST COST (THOU) (THOU)	DELIVERABLE PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED FUTURE YEARS					
					FUNDS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029					
AVIATION PROJECTS																				
WILMINGTON INTERNATIONAL (ILM) NEW HANOVER	AV-5886	TAXIWAY J IMPROVEMENTS.		5600	O															
	T															C 5100 C 500				
SW					OTHER FUNDS PROVIDED BY ILM.															
WILMINGTON INTERNATIONAL (ILM) NEW HANOVER	AV-5796	INCREASE WIDTH OF ALL TAXIWAYS.		3800	O															
	T																C 3300 C 500			
SW					OTHER FUNDS PROVIDED BY ILM.															
WILMINGTON INTERNATIONAL (ILM) NEW HANOVER	AV-5730	EXTEND RUNWAY 6-24PHASE 1		5000	T															
	O																			
SW					OTHER FUNDS PROVIDED BY ILM.															
WILMINGTON INTERNATIONAL (ILM) NEW HANOVER	AV-5799	WIDEN NORTH-SOUTH TAXIWAY SYSTEM.		6500	O															
	T																	C 6000 C 500		
SW					OTHER FUNDS PROVIDED BY ILM.															
WILMINGTON INTERNATIONAL AIRPORT (ILM) NEW HANOVER	AV-5885	REHABILITATE RUNWAY.		7500	O															
	T																		C 7000 C 500	
SW					OTHER FUNDS PROVIDED BY ILM.															
WILMINGTON INTERNATIONAL (ILM) NEW HANOVER	AV-5713	PIPE DITCHES IN FBO #2 AREA.		505																
	A130512																			
SW					UNDER CONSTRUCTION															
WILMINGTON INTERNATIONAL (ILM) NEW HANOVER	AV-5795	EXPAND THE GENERAL AVIATION APRON.		1300	O															
	T																			
SW					OTHER FUNDS PROVIDED BY ILM.															

NON-HIGHWAY PROGRAM

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																		
ROUTE/CITY COUNTY		ID NUMBERS	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ YEARS COST (THOU)	DELIVERABLE PROGRAM										UNFUNDED FUTURE YEARS		
						FUNDS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029		
AVIATION PROJECTS																		
WILMINGTON INTERNATIONAL (ILM) NEW HANOVER	AV-5801	EXPANSION OF AIR CARRIER APRON.	A150118		3940	O												
	T																	
OTHER FUNDS PROVIDED BY ILM.																		
WILMINGTON INTERNATIONAL (ILM) NEW HANOVER	AV-5798	TAXIWAY IMPROVEMENTS.	A150418		5600	T												
	T																	
OTHER FUNDS PROVIDED BY ILM.																		
WILMINGTON INTERNATIONAL (ILM) NEW HANOVER	AV-5704	UPGRADE AIRFIELD LIGHTING VAULT.	A130515		500													
UNDER CONSTRUCTION																		
WILMINGTON INTERNATIONAL (ILM) NEW HANOVER	AV-5702	REHABILITATE GA APRON NORTH.	A130508		500													
UNDER CONSTRUCTION																		
PUBLIC TRANSPORTATION PROJECTS																		
CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY NEW HANOVER	TA-5134	REPLACEMENT HYBRID BUS			478	JARC												
	L																	
SD CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY NEW HANOVER	TA-5222	REPLACEMENT LTV			1873	FBUS	CP	260	CP	260								
	L				CP	26	CP	26										
						S	CP	26	CP	26								
FUNDS AUTHORIZED IN PROGRESS																		
SD CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY NEW HANOVER	TA-5223	REPLACEMENT BUS			6070	FBUS	CP	2588										
	L				CP	323												
						S	CP	323										
SD																		

NON-HIGHWAY PROGRAM

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																					
ROUTE/CITY COUNTY		ID NUMBERS	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	DELIVERABLE PROGRAM										UNFUNDED				
							DEVELOPMENTAL PROGRAM										FUTURE YEARS				
PUBLIC TRANSPORTATION PROJECTS																					
CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY NEW HANOVER	TA-5224		REPLACEMENT TROLLEY		700	FBUS	CP	700													
SD																					
CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY NEW HANOVER	TA-6516		CAPITAL		771	FNU															
SD																					
CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY NEW HANOVER	TA-6552		CAPITAL - REPLACEMENT VEHICLE		460	FNF															
SD																					
CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY NEW HANOVER	TA-6700		ADA		389	L															
						STBGDA															
						STPDA															
SD																					
CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY NEW HANOVER	TA-5221		REPLACEMENT LTV		1321	FUZ	CP	324													
						L	CP	41													
						S															
SD																					
CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY NEW HANOVER	TD-4721		WMITC CONSTRUCTION		2125	L															
						STBGDA															
SD																					

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SW - Statewide Category	TRN - Transition Project	

NON-HIGHWAY PROGRAM

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

ROUTE/CITY COUNTY		ID NUMBERS	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ YEARS COST (THOU)	PRIOR COST (THOU)	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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NON-HIGHWAY PROGRAM

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

				TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS												
ROUTE/CITY COUNTY	ID NUMBERS	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ YEARS COST COST (THOU) (THOU)	DELIVERABLE PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED FUTURE YEARS	
					FUNDS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028		FY 2029
PUBLIC TRANSPORTATION PROJECTS																
CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY NEW HANOVER	TG-6177	Route 201 in Wilmington, upgrade amenities and bus stops		66	FUZ											
					L											
					T											
SD																
CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY NEW HANOVER	TK-6176	ADMINISTRATION		2863	1991FNU	O	218		O	218						
					FNU											
					L											
					S											
FUNDS AUTHORIZED IN PROGRESS																
CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY NEW HANOVER	TM-6137	OPERATING ASSISTANCE		636	636JARC											
					L											
SD																
CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY NEW HANOVER	TN-6108	OPERATING ASSISTANCE - NEW FREEDOM		1872	1872FNF											
					L											
SD																
CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY NEW HANOVER	TN-6121	OPERATING		738	738FNF											
					L											
SD																
CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY NEW HANOVER	TN-5135	DESIGN, ENGINEER, AND INSTALL 8 BUS STOP SHELTERS		116	116FNF											
					L											
SD																
CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY NEW HANOVER																

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

NON-HIGHWAY PROGRAM

ROUTE/CITY COUNTY		ID NUMBERS	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ COST (THOU)	PRIOR YEARS COST	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

										TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS													
ROUTE/CITY		ID	NUMBERS	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	DELIVERABLE PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED					
COUNTY								FUNDS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FUTURE YEARS				
PUBLIC TRANSPORTATION PROJECTS																							
CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY NEW HANOVER			TQ-9035	5310 Capital Project - Service Vehicle		20	20	FEPD L															
SD																							
CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY NEW HANOVER			TQ-9011	Capital - Purchase of Service		176	176	FEPD L S															
FUNDS AUTHORIZED IN PROGRESS																							
SD																							
CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY ONSLOW			TQ-6157	OPERATING ASSISTANCE - PURCHASE OF SERVICE		250	250	FEPD L S															
SD																							
CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY NEW HANOVER			TQ-9036	5310 Capital Project - Revenue Vehicle		117	117	FEPD L															
SD																							
CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY NEW HANOVER			TQ-6513	OPERATING ASSISTANCE		1190	1020	FEPD L O	O	85 85													
FUNDS AUTHORIZED IN PROGRESS																							
SD																							
CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY NEW HANOVER			TQ-7005	Project Administration		156	72	FEPD	AD	28	AD	28											
SD																							

DIV - Division Category	EX - Exempt Category	SD - State Dollars (Non-STI)
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SW - Statewide Category	TRN - Transition Project	

NON-HIGHWAY PROGRAM

WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION

				TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS														
ROUTE/CITY COUNTY	ID NUMBERS	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ YEARS COST (THOU)	PRIOR COST	DELIVERABLE PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED FUTURE YEARS		
						FUNDS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028		FY 2029	
PUBLIC TRANSPORTATION PROJECTS																		
CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TQ-8019	MOBILITY MANAGER		306	255	FEPD	CP	41										
					L	CP	10											
NEW HANOVER																		
SD																		
FUNDS AUTHORIZED IN PROGRESS																		
CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY	TS-5103	SAFETY & SECURITY - MIN. 1% SET ASIDE		326	230	FUZ	CP	22		CP	22		CP	22				
					L	CP	2		CP	2		CP	2					
NEW HANOVER																		
SD																		
FUNDS AUTHORIZED IN PROGRESS																		



HIGHWAY PROGRAM

STATEWIDE PROJECT

ROUTE/CITY COUNTY		ID NUMBERS	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ YEARS COST (THOU)	PRIOR YEARS COST (THOU)	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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RURAL PROJECTS							FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	DEVELOPMENTAL PROGRAM						UNFUNDED FUTURE YEARS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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HIGHWAY PROGRAM

STATEWIDE PROJECT

TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																							
ROUTE/CITY COUNTY	ID NUMBERS	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ YEARS COST (THOU)	PRIOR YEARS COST	DELIVERABLE PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED FUTURE YEARS							
						FUNDS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029							
RURAL PROJECTS VARIOUS STATEWIDE	M-0479	STATEWIDE PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS, PRELIMINARY ENGINEERING FOR MISCELLANEOUS PROJECTS.		12000	7000	T	PE	150	DIV	PE	150	DIV	PE	150	DIV	PE	150	DIV	PE	150	DIV		
						T	PE	150	REG	PE	150	REG	PE	150	REG	PE	150	REG	PE	150	REG		
						T	PE	200	SW	PE	200	SW	PE	200	SW	PE	200	SW	PE	200	SW		
						DIV	DIV	STATEWIDE PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS, PRELIMINARY ENGINEERING FOR MISCELLANEOUS PROJECTS.															
	REG	REG	STATEWIDE PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS, PRELIMINARY ENGINEERING FOR MISCELLANEOUS PROJECTS.																				
	SW	SW	STATEWIDE PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS, PRELIMINARY ENGINEERING FOR MISCELLANEOUS PROJECTS.																				
	M-0219	PHOTOGRAMMETRY, PRELIMINARY ENGINEERING FOR MISCELLANEOUS PROJECTS		6758	4258	T	PE	75	DIV	PE	75	DIV	PE	75	DIV	PE	75	DIV	PE	75	DIV		
						T	PE	75	REG	PE	75	REG	PE	75	REG	PE	75	REG	PE	75	REG		
						T	PE	100	SW	PE	100	SW	PE	100	SW	PE	100	SW	PE	100	SW		
						DIV	DIV	PHOTOGRAMMETRY, PRELIMINARY ENGINEERING FOR MISCELLANEOUS PROJECTS															
REG						REG	PHOTOGRAMMETRY, PRELIMINARY ENGINEERING FOR MISCELLANEOUS PROJECTS																
SW						SW	PHOTOGRAMMETRY, PRELIMINARY ENGINEERING FOR MISCELLANEOUS PROJECTS																
VARIOUS STATEWIDE	M-0452	TOLLING/FINANCIAL FEASIBILITY STUDIES.		3064	1064	T	PE	200		PE	200		PE	200		PE	200		PE	200			
	M-0391	STRUCTURE DESIGN, PRELIMINARY ENGINEERING FOR MISCELLANEOUS PROJECTS.		8076	4076	T	PE	120	DIV	PE	120	DIV	PE	120	DIV	PE	120	DIV	PE	120	DIV		
						T	PE	120	REG	PE	120	REG	PE	120	REG	PE	120	REG	PE	120	REG		
						T	PE	160	SW	PE	160	SW	PE	160	SW	PE	160	SW	PE	160	SW		
						DIV	DIV	STRUCTURE DESIGN, PRELIMINARY ENGINEERING FOR MISCELLANEOUS PROJECTS.															
						REG	REG	STRUCTURE DESIGN, PRELIMINARY ENGINEERING FOR MISCELLANEOUS PROJECTS.															
						SW	SW	STRUCTURE DESIGN, PRELIMINARY ENGINEERING FOR MISCELLANEOUS PROJECTS.															
IN PROGRESS																							
RURAL PROJECTS VARIOUS STATEWIDE	R-4049	TRAFFIC OPERATIONS (INCIDENT MANAGEMENT, 511, SMARTLINK, TEC, TMC).		244131	244131																		
	R-4701	TRAFFIC SYSTEM OPERATIONS PROGRAM (SIGNAL MAINTENANCE).		278058	278058																		
IN PROGRESS																							

DIV - Division Category	EX - Exempt Category	SD - State Dollars (Non-STI)
HF - State Dollars (Non STI)	REG - Regional Category	
SW - Statewide Category	TRN - Transition Project	

HIGHWAY PROGRAM

STATEWIDE PROJECT

				TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS														
		TOTAL PRIOR PROJ YEARS COST COST		DELIVERABLE PROGRAM										DEVELOPMENTAL PROGRAM			UNFUNDED	
ROUTE/CITY COUNTY	ID NUMBERS	LOCATION / DESCRIPTION	LENGTH	FUNDS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FUTURE YEARS			
RURAL PROJECTS																		
VARIOUS STATEWIDE	R-4073	ASPHALT MATERIALS TESTING LABORATORIES CORRECTIVE ACTION PLAN FOR GROUNDWATER CLEAN-UP AT 54 SITES.		20234	20234													
IN PROGRESS																		
VARIOUS STATEWIDE	R-5753	FEDERAL LANDS TRANSPORTATION PROGRAM (FLTP). ROAD AND BRIDGE IMPROVEMENTS TO BE CONSTRUCTED ON TRANSPORTATION FACILITIES THAT ARE OWNED BY THE FEDERAL GOVERNMENT THAT PROVIDE ACCESS TO FEDERAL LANDS.		35062	FLTP	C	35062											
PROGRAM IN PROGRESS																		
VARIOUS STATEWIDE	R-4067	POSITIVE GUIDANCE PROGRAM (PAVEMENT MARKINGS AND MARKERS, LED SIGNAL HEAD REPLACEMENT).		91242	91242													
IN PROGRESS																		
VARIOUS STATEWIDE	R-4436	NPDES PERMIT, RETROFIT FOURTEEN SITES PER YEAR TO PROTECT WATER QUALITY.		73915	BG	C	900 DIV	C	900 DIV	C	900 DIV	C	900 DIV	C	900 DIV			
					BG	C	900 REG	C	900 REG	C	900 REG	C	900 REG	C	900 REG			
					BG	C	1200 SW	C	1200 SW	C	1200 SW	C	1200 SW	C	1200 SW			
					DIV	DIV	NPDES PERMIT, RETROFIT FOURTEEN SITES PER YEAR TO PROTECT WATER QUALITY - DIVISION CATEGORY. - IN PROGRESS											
					REG	REG	NPDES PERMIT, RETROFIT FOURTEEN SITES PER YEAR TO PROTECT WATER QUALITY - REGIONAL CATEGORY. - IN PROGRESS											
					SW	SW	NPDES PERMIT, RETROFIT FOURTEEN SITES PER YEAR TO PROTECT WATER QUALITY - STATEWIDE CATEGORY. - IN PROGRESS											
IN PROGRESS																		
VARIOUS STATEWIDE	R-9999WM	ENVIRONMENTAL MITIGATION AND MINIMIZATION.		155559	NHP	M	150 DIV	M	150 DIV	M	150 DIV	M	150 DIV	M	150 DIV			
					NHP	M	150 REG	M	150 REG	M	150 REG	M	150 REG	M	150 REG			
					NHP	M	200 SW	M	200 SW	M	200 SW	M	200 SW	M	200 SW			
					T	M	150 DIV	M	150 DIV	M	150 DIV	M	150 DIV	M	150 DIV			
					T	M	150 REG	M	150 REG	M	150 REG	M	150 REG	M	150 REG			
					T	M	200 SW	M	200 SW	M	200 SW	M	200 SW	M	200 SW			
					DIV	DIV	ENVIRONMENTAL MITIGATION AND MINIMIZATION.											
					REG	REG	ENVIRONMENTAL MITIGATION AND MINIMIZATION.											
					SW	SW	ENVIRONMENTAL MITIGATION AND MINIMIZATION.											
IN PROGRESS																		

DIV - Division Category	EX - Exempt Category	SD - State Dollars (Non-STI)
HF - State Dollars (Non STI)	REG - Regional Category	
SW - Statewide Category	TRN - Transition Project	



HIGHWAY PROGRAM

STATEWIDE PROJECT

				TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS											
				DELIVERABLE PROGRAM											
				DEVELOPMENTAL PROGRAM											
				FY 2026			FY 2027			FY 2028			FY 2029		
				I	7200	DIV	I	7200	DIV	I	7200	DIV	I	7200	DIV
				I	7200	REG	I	7200	REG	I	7200	REG	I	7200	REG
				I	9600	SW	I	9600	SW	I	9600	SW	I	9600	SW
									</						

DIV - Division Category	EX - Exempt Category	SD - State Dollars (Non-STI)
HF - State Dollars (Non STI)	REG - Regional Category	
SW - Statewide Category	TRN - Transition Project	

HIGHWAY PROGRAM

STATEWIDE PROJECT

ROUTE/CITY		ID	NUMBERS	LOCATION / DESCRIPTION	LENGTH	TOTAL PRIOR		FUNDS	DELIVERABLE PROGRAM										DEVELOPMENTAL PROGRAM					UNFUNDED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
COUNTY	CITY					PROJ YEARS	COST		(THOU)	(THOU)	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FUTURE YEARS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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VARIOUS	STATEWIDE	C-5601	CMAQ PROJECTS TO IMPROVE AIR QUALITY ACROSS MULTIPLE NONATTAINMENT AND MAINTENANCE AREAS.			1468	CMAQ	PE	118																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

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Tuesday, August 6, 2019



HIGHWAY PROGRAM

STATEWIDE PROJECT

TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																
ROUTE/CITY COUNTY		ID NUMBERS	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ YEARS COST COST	PRIOR YEARS COST (THOU)	DELIVERABLE PROGRAM									
							FUNDS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	DEVELOPMENTAL PROGRAM		
HIGHWAY SAFETY PROJECTS																
VARIOUS		W-5517	SAFETY MANAGEMENT PROGRAM, PROJECT IDENTIFICATION, ANALYSIS AND PRELIMINARY ENGINEERING.		22101	22101	DIV	DIV								
STATEWIDE							REG	REG								
							SW	SW								
SAFE ROUTES TO SCHOOLS PROJECTS																
VARIOUS		W-5716	SAFETY MANAGEMENT PROGRAM, PROJECT IDENTIFICATION, ANALYSIS AND PRELIMINARY ENGINEERING.		55000		HSIP	PE	1650	DIV	PE	1650	DIV	PE	1650	DIV
							HSIP	PE	1650	REG	PE	1650	REG	PE	1650	REG
STATEWIDE							HSIP	PE	2200	SW	PE	2200	SW	PE	2200	SW
							DIV	DIV								
							REG	REG								
							SW	SW								
SAFE ROUTES TO SCHOOLS PROJECTS																
VARIOUS		W-5700	SIGNAL RETIMING TO IMPROVE SAFETY.		3500	3500	DIV	DIV								
STATEWIDE							REG	REG								
							SW	SW								
IN PROGRESS																
SAFE ROUTES TO SCHOOLS PROJECTS																
VARIOUS		SR-5000	SAFE ROUTES TO SCHOOL PROGRAM. EDUCATIONAL, TRAINING AND OTHER NON-INFRASTRUCTURE NEEDS.		6435	6435										
STATEWIDE																
IN PROGRESS																
VARIOUS		SR-5001	SAFE ROUTES TO SCHOOL PROGRAM. PROJECTS TO IMPROVE SAFETY, REDUCE TRAFFIC, FUEL CONSUMPTION AND AIR POLLUTION IN VICINITY OF SCHOOLS.		16339	16339										
STATEWIDE																
IN PROGRESS - \$200,800 IN STPDA FUNDS ALLOCATED TO SR-5001C																
BRIDGE PROJECTS																
VARIOUS		BK-5100	ESTABLISH BRIDGE MANAGEMENT SYSTEM.		2500	2500										
STATEWIDE																
IN PROGRESS																

HIGHWAY PROGRAM

STATEWIDE PROJECT

		TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																	
ROUTE/CITY COUNTY	ID NUMBERS	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	DELIVERABLE PROGRAM										DEVELOPMENTAL PROGRAM	UNFUNDED		
						FUNDS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FUTURE YEARS		
BRIDGE PROJECTS																			
VARIOUS STATEWIDE	BK-5101	DECK PRESERVATION AT 15 SELECTED LOCATIONS.		12337	12337	UNDER CONSTRUCTION													
DIV																			
VARIOUS STATEWIDE	BK-5102	BRIDGE PAINTING AT 19 SELECTED LOCATIONS.		10918	10918	UNDER CONSTRUCTION													
DIV																			
IN PROGRESS																			
VARIOUS STATEWIDE	BP-5500	BRIDGE PRESERVATION ISSUES AT SELECTED SITES.		32648	32648	DIV REG SW	DIV REG SW	BRIDGE PRESERVATION ISSUES AT SELECTED SITES. BRIDGE PRESERVATION ISSUES AT SELECTED SITES. BRIDGE PRESERVATION ISSUES AT SELECTED SITES.											
DIV																			
VARIOUS STATEWIDE	ER-5600	VEGETATION MANAGEMENT - CLEAR ZONE IMPROVEMENT AND MANAGEMENT STATEWIDE.		43264	3264	BG	C	4000	C	4000	C	4000	C	4000	C	4000	C	4000	
DIV																			
IN PROGRESS																			

NON-HIGHWAY PROGRAM

STATEWIDE PROJECT

		TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS															
ROUTE/CITY COUNTY	ID NUMBERS	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	DELIVERABLE PROGRAM										DEVELOPMENTAL PROGRAM	UNFUNDED FUTURE YEARS
						FUNDS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	
PASSENGER RAIL PROJECTS																	
NORTH CAROLINA	C-5571	NCDOT PIEDMONT AND CAROLINIAN PASSENGER RAIL SERVICES. PUBLIC RAILROAD OUTREACH AND AWARENESS PROGRAM.		2456	2456												
STATEWIDE																	
EX																	
IN PROGRESS																	
BICYCLE AND PEDESTRIAN PROJECTS																	
VARIOUS	E-4018	NATIONAL RECREATIONAL TRAILS.		13845	1845	T	A	C	1200	C	1200	C	1200	C	1200	C	1200
STATEWIDE																	
DIV																	
IN PROGRESS																	
PASSENGER RAIL PROJECTS																	

DIV - Division Category	EX - Exempt Category	SD - State Dollars (Non-STI)
HF - State Dollars (Non STI)	REG - Regional Category	
SW - Statewide Category	TRN - Transition Project	



## **NON-HIGHWAY PROGRAM**

# STATEWIDE PROJECT

[illegible]

NON-HIGHWAY PROGRAM

STATEWIDE PROJECT

TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																			
ROUTE/CITY	ID	COUNTY	NUMBERS	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ YEARS COST (THOU)	PRIOR YEARS COST (THOU)	DELIVERABLE PROGRAM										UNFUNDED FUTURE YEARS	
								FUNDS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	
BICYCLE AND PEDESTRIAN PROJECTS																			
GREYHOUND LINES		TI-6106		INTERCITY BUS SERVICE FROM RALEIGH TO WILMINGTON ALONG US 70 AND US 117 WITH STOPS AT RALEIGH, SMITHFIELD, GOLDSBORO, WALLACE, AND WILMINGTON		1592	1592	FNU											
STATEWIDE																			
SD																			
NCDOT FERRY DIVISION		TA-6535		CAPITAL		789	789	FNF											
								S											
STATEWIDE																			
SD																			
REGIONAL COORDINATED AREA		TP-4901		PLANNING ASSISTANCE - RESEARCH SUPPORT ACTIVITIES		7769	7049	FSPR	CP 600										
								S	CP 120										
STATEWIDE																			
SD																			
REGIONAL COORDINATED AREA		TT-9702A		TECHNOLOGY - ADMINISTRATION (ITRE)		50	50	UTCH											
STATEWIDE																			
STATEWIDE		TA-6665		5311 Capital Projects for Rural Areas		90863	36053	FNU	CP 5468	CP 5469	CP 5470	CP 5471	CP 5490	CP 5491					
								L	CP 684	CP 684	CP 684	CP 685	CP 687	CP 687					
								S	CP 684	CP 684	CP 684	CP 685	CP 687	CP 687					
STATEWIDE																			
SD																			
STATEWIDE		TA-6712		Replacement of Transit Vehicles meeting useful life		7915	7915	CMAQ											
								L											
STATEWIDE																			
SD																			
STATEWIDE		TA-6520		SECTION 5317 NEW FREEDOM CAPITAL FUNDING ASSISTANCE TO COMMUNITY TRANSPORTATION SYSTEMS AND NON-PROFIT AGENCIES ACROSS THE STATE		443	443	FNF											
STATEWIDE																			
SD																			

DIV - Division Category	EX - Exempt Category	SD - State Dollars (Non-STI)
HF - State Dollars (Non STI)	REG - Regional Category	
SW - Statewide Category	TRN - Transition Project	



NON-HIGHWAY PROGRAM

STATEWIDE PROJECT

				TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																			
ROUTE/CITY COUNTY	ID NUMBERS	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ YEARS COST (THOU)	PRIOR COST (THOU)	DELIVERABLE PROGRAM										DEVELOPMENTAL PROGRAM							UNFUNDED FUTURE YEARS
						FUNDS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029							
BICYCLE AND PEDESTRIAN PROJECTS																							
STATEWIDE	TA-6666	5339 Bus and Bus Facilities		60324	12355	FBUS	CP	4448	CP	4449	CP	4450	CP	5004	CP	5005	CP	5005					
						L	CP	556	CP	557	CP	557	CP	625	CP	626	CP	626					
STATEWIDE						S	CP	556	CP	557	CP	557	CP	625	CP	626	CP	626					
FUNDS AUTHORIZED IN PROGRESS																							
SD																							
STATEWIDE	TC-5004	5311 ADTAP		17751	7669	ADTAP	CP	1008	CP	1008	CP	1009	CP	1009	CP	1010	CP	1010					
						L	CP	115	CP	126	CP	127	CP	127	CP	127	CP	127					
STATEWIDE						S	CP	115	CP	126	CP	127	CP	127	CP	127	CP	127					
FUNDS AUTHORIZED IN PROGRESS																							
SD																							
STATEWIDE	TH-2000	TRAVELER'S AID PROGRAM		126	126	L																	
STATEWIDE						S																	
FUNDS AUTHORIZED IN PROGRESS																							
SD																							
STATEWIDE	TI-6109	Intercity Bus Service		9043	9043	FNU																	
						L																	
STATEWIDE						S																	
FUNDS AUTHORIZED IN PROGRESS																							
SD																							
STATEWIDE	TK-4902	State Administration of Appalachian Development Transportation Assistance Program		1407	653	ADTAP	AD	92	AD	93	AD	93	AD	94	AD	94	AD	95					
STATEWIDE						L																	
STATEWIDE						S																	
FUNDS AUTHORIZED IN PROGRESS																							
SD																							
STATEWIDE	TK-6181	5311 Administrative		204316	57488	FNU	AD	14681	AD	14681	AD	14682	AD	14682	AD	14683	AD	14683					
						L	AD	2753	AD	2753	AD	2753	AD	2753	AD	2753	AD	2753					
STATEWIDE						S	AD	918	AD	918	AD	918	AD	918	AD	918	AD	918					
FUNDS AUTHORIZED IN PROGRESS																							
SD																							
STATEWIDE	TK-4900Z	5311 STATE ADMINISTRATION AND 5311 STATE ADMINISTRATION		39850	16730	FNU	AD	2820	AD	2840	AD	2860	AD	2880	AD	2900	AD	2920					
STATEWIDE						L																	
SD																							

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Tuesday, August 6, 2019

NON-HIGHWAY PROGRAM

STATEWIDE PROJECT

TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																		
				DELIVERABLE PROGRAM														
ROUTE/CITY COUNTY	ID NUMBERS	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ YEARS COST (THOU)	PRIOR YEARS COST	FUNDING												
						FUNDS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	UNFUNDED FUTURE YEARS	
BICYCLE AND PEDESTRIAN PROJECTS																		
STATEWIDE	TM-6155	Operating Funding for Existing Projects Statewide		350	350	JARC												
STATEWIDE						L												
FUNDS AUTHORIZED IN PROGRESS																		
STATEWIDE	TN-6125	5317 New Freedom		4756	484	FEP	O	410	O	420	O	430	O	440	O	450	O	460
STATEWIDE						L	O	82	O	84	O	86	O	88	O	90	O	92
FUNDS AUTHORIZED IN PROGRESS																		
STATEWIDE	TO-6135	5311 Operating Projects for Rural Areas		4293	4293	FNU												
STATEWIDE						L												
FUNDS AUTHORIZED IN PROGRESS																		
STATEWIDE	TO-6155	5311 Operating and 5311 Operating F		173475	19155	FNU	O	12790	O	12810	O	12830	O	12850	O	12870	O	12890
STATEWIDE						L	O	6395	O	6405	O	6415	O	6425	O	6435	O	6445
FUNDS AUTHORIZED IN PROGRESS																		
STATEWIDE	TP-4902	STATEWIDE SUPPORT TO UPDATE LOCAL COMMUNITY TRANSPORTATION SERVICE PLANS - 5311		3710	3710	FNU												
FUNDS AUTHORIZED IN PROGRESS																		
STATEWIDE	TP-5154	5304 PLANNING		5724	588	FMP/L	PL	500	PL	510	PL	520	PL	530	PL	540	PL	550
STATEWIDE						L	PL	100	PL	102	PL	104	PL	106	PL	108	PL	110
FUNDS AUTHORIZED IN PROGRESS																		
STATEWIDE	TQ-6954	5310 Operating Projects for Rural Areas		26692	11986	FEP/D	O	918	O	918	O	919	O	919	O	919	O	920
STATEWIDE						L	O	918	O	918	O	919	O	919	O	919	O	920
FUNDS AUTHORIZED IN PROGRESS																		
STATEWIDE	TQ-9038	5310 Capital Projects for Rural Areas and Small Urban Areas		31363	11365	FEP/D	CP	1998	CP	1998	CP	1999	CP	1999	CP	2000	CP	2000
STATEWIDE						L	CP	250	CP	250	CP	250	CP	250	CP	250	CP	250
STATEWIDE						S	CP	250	CP	250	CP	250	CP	250	CP	250	CP	250
FUNDS AUTHORIZED IN PROGRESS																		
STATEWIDE																		

NON-HIGHWAY PROGRAM

STATEWIDE PROJECT

				TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS												
ROUTE/CITY COUNTY	ID NUMBERS	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ YEARS COST COST (THOU) (THOU)	DELIVERABLE PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED FUTURE YEARS	
					FUNDS	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028		FY 2029
BICYCLE AND PEDESTRIAN PROJECTS																
STATEWIDE	TS-7001	5329 STATE SAFETY AND OVERSIGHT		4382	516	FED	AD	343	AD	344	AD	344	AD	345	AD	345
					L		AD	69	AD	69	AD	69	AD	69	AD	69
STATEWIDE					S		AD	69	AD	69	AD	69	AD	69	AD	69
SD																
STATEWIDE	TS-7000	Develop and Implement An Enhanced State Safety Oversight Program		844	844	SSO										
STATEWIDE																
SD																
STATEWIDE	TS-4900Z	STATEWIDE RTAP		6787	2707	RTAP	AD	440	AD	460	AD	480	AD	500	AD	540
STATEWIDE																
SD																
STATEWIDE	TT-5205	NCDOT Ferry Division will purchase and install Visuals, Paging Systems on board five class ferry vessels		66	66	FNF										
STATEWIDE						S										
SD																
SD																
SUB REGIONAL	TM-5301	STATE ADMINISTRATION - JOB ACCESS NON-URBAN		5592	5092	JARC	AD	500								
STATEWIDE																
SD																
SUB REGIONAL	TN-5112	STATE ADMINISTRATION - NEW FREEDOM - 5317		4270	3920	FNF	AD	350								
STATEWIDE																
SD																
SUB REGIONAL	TV-4903	5310 STATE ADMIN		11315	6919	FEPD	AD	541	AD	545	AD	545	AD	545	AD	550
STATEWIDE																
SD																
SD																



# Cape Fear Public Transportation Authority

P.O. Box 12630 • Wilmington, NC 28405 • (910) 343-0106 • (910) 343-8317 fax • wavetransit.com

August 07, 2019

Mike Kozlosky  
Executive Director  
Wilmington Urban Area Metropolitan Planning Organization  
P.O. Box 1810  
Wilmington, NC 28402

Attn: Amy Kimes, PE, Sr. Project Engineer, Wilmington Metropolitan Planning Organization (WMPO)

Delivered Via email and USPS to addressee to: amy.kimes@wilmingtonnc.gov

Dear Mr. Kozlosky:

The Cape Fear Public Transportation Authority has begun our fiscal year 2020 and respectfully request the WMPO carefully consider the following funding assistance to Wave Transit:

- **STBGP-DA** - as you are aware, when the region was designated as a TMA, Wave Transit was no longer eligible to use FTA §5307 funding for operating assistance. This change left a gap in our operating budget of approximately \$2,000,000 annually. Following extensive discussion with our federal delegation in Washington, provisions in the FAST Act were added and the Authority is currently able to utilize up to 75% of the region's §5307 formula funding for eligible operating assistance. This narrowed the operating assistance funding gap to approximately \$500,000 per year.

With generous assistance from the WMPO and through the STP-DA and its successor the STBGP-DA program, the Authority has been able to maintain a stable level of service without significant additional revenue from our local funding partners. This support led us to include STBGP-DA funding in our current FY 2020 operating budget.

We respectfully request FY 2020 STPGP-DA funding for preventive maintenance and ADA compliance in the amounts outlined in Table 1 totaling \$600,000. The Authority has included the required local matching funds in our adopted FY 2020 operating budget.

STIP #	System	Project	STBGP-DA	Local	Total
TF-6784	Cape Fear Public Transportation Authority	Preventive Maintenance	\$260,000	\$65,000	\$325,000
TG-6700	Cape Fear Public Transportation Authority	ADA Compliance	\$340,000	\$85,000	\$425,000
<b>Totals</b>			<b>\$600,000</b>	<b>\$150,000</b>	<b>\$750,000</b>

Table 1

As the WMPO develops its plan to allocate funding from the annual STBGP-DA program, the Authority suggests an annual percentage be apportioned to transit initiatives in the region. This approach was successful during its previous utilization. If implemented, the percentage should be sufficient to meet the preventive maintenance and ADA needs of the Authority which will ensure consistency in the transit program offered throughout the region while keeping local taxpayer subsidies free for competing projects.

We appreciate your consideration of this important request and look forward to our continuing partnership with the WMPO in providing quality public transportation services to Southeastern North

Carolina. If you have questions or need additional information, please do not hesitate to contact me. We look forward to your feedback.

Cordially,



Albert Eby  
Executive Director

CC: Honorable Jonathan Barfield, WMPO Board Representative, Cape Fear Public Transportation Authority  
Megan Matheny, Deputy Director, Wave Transit  
Joe Mininni, Director of Finance & Administration, Wave Transit



# Cape Fear Crossing

## STIP U-4738

### Brunswick and New Hanover Counties

#### PROJECT STATUS REPORT

August 1, 2019

#### 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.
- The Draft Environmental Impact Statement (DEIS) was signed on 3/25/19 and distributed for review on 4/01/19. The document and hearing maps are available on the project website at [www.ncdot.gov/projects/cape-fear-crossing](http://www.ncdot.gov/projects/cape-fear-crossing).
- The project team is preparing responses to public comments and will be including them as part of the 6/11/19 Post Hearing Meeting summary to be made available to the public.
- The project team is evaluating and calculating preliminary impacts for modified versions of Alternatives MA, NA, and V-AW.

#### Upcoming Activities

- FHWA and NCDOT will meet with environmental and regulatory resource agencies to determine the Least Environmentally Damaging Practicable Alternative (LEDPA)/Preferred Alternative. This meeting is anticipated to be held in December 2019.
- An updated traffic forecast will be prepared on the Preferred Alternative once identified.
- Alternative designs will be refined on the Preferred Alternative and technical studies will be updated.

#### Past Activities

- Post Hearing Meeting was held on 6/11/19.
- The NEPA/Section 404 Merger Team met on 5/8/19 to discuss alternative impacts and public comments received to date.
- Two Corridor Public Hearings were held April 29<sup>th</sup> and April 30<sup>th</sup>.
- The Traffic Noise Report was finalized on 4/25/19.
- The USACE public notice was published 4/10/19.
- The DEIS was finalized on 3/25/19.
- The Sea Level Rise Analysis was finalized on 2/20/19.
- The project team received final concurrence from the State Historic Preservation Office (HPO) on 2/12/19 regarding Section 106 effects on historic resources in the project study area.
- A newsletter was sent on 12/21/18 to notify citizens of the remaining alternatives under study and the project schedule.
- The project team coordinated with the SHPO on 10/30/18 regarding two new properties identified that are eligible for the National Register of Historic Places (NRHP).
- The Air Quality Report was finalized on 10/09/18.
- The Red-Cockaded Woodpecker Foraging Habitat Analysis was finalized on 9/26/18.
- The Crash Analysis Summary was finalized on 8/30/18.
- 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.

- The NEPA/Section 404 Merger Team reached Concurrence Point 2A – “Bridging Decisions and Alignment Review” on 5/30/17; final concurrence on Concurrence Point 2A was received on 8/17/17.
- The project team received final concurrence from the HPO 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](mailto:jgconforti@ncdot.gov), 919.707.6015; AECOM – Joanna Rocco, [joanna.rocco@aecom.com](mailto:joanna.rocco@aecom.com), 919.239.7179; Website: <https://www.ncdot.gov/projects/cape-fear-crossing>; Email: [capefear@ncdot.gov](mailto:capefear@ncdot.gov); Hotline: 1.800.233.6315

**WILMINGTON MPO**  
**TRANSPORTATION PLANNING**  
**AUGUST 2019**

**2045 METROPOLITAN TRANSPORTATION PLAN**

**Project Description/Scope:** The Wilmington Urban Area Metropolitan Planning Organization is required by federal law to update the Metropolitan Transportation Plan every 5 years. The last plan was adopted by the MPO Board on November 18, 2015. The next update is required to be adopted by November 2020. This plan will guide the regional transportation priorities and actions, and be used for project selection in the State/Metropolitan Transportation Improvement Programs. The MPO Board appointed a Citizen Advisory Committee (CAC) to help guide the development of this plan. A four month public outreach period was held between April 3, 2018 and July 31, 2018. During this period, there were 2,287 transportation survey responses, 563 comments on the public input map tool, and 4,554 votes on map comments, totaling 7,404 responses collected. In July 2018, the six modal subcommittees began meeting with the initial task of developing modal goals and objectives, which were completed in October 2018 and officially adopted by the Board in November 2018. The Modal Subcommittees have completed scoring criteria, evaluation of projects and development of the draft policies. The CAC, TCC and Board received the financial forecasts and potential alternative funding sources in March 2019. The consultant completed the project cost estimates and alternative funding forecasts in June 2019.

**Next Steps:**

- A red line, fiscal constraint analysis of ranked modal projects have been prepared and presented by staff to the CAC, TCC, and Board. The WMPO Board is currently reviewing and will propose any changes at its August Board meeting. Revised lists are planned for adoption in September 2019.
- Projects considered for potential funding by identified alternative funding forecasts will be identified by staff and reviewed and approved by the CAC, TCC, and Board in September and October 2019.
- Approval of complete fiscally constrained project lists is expected to be completed by end of October 2019.
- Release of Draft Plan to public anticipated for end of January 2020
- Adoption of final plan in November 2020

**SITE DEVELOPMENT REVIEW**

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

- New Hanover County Development Plan Reviews: 0 reviews
- New Hanover County Informal Plan Reviews: 0 reviews
- New Hanover Concept Reviews: 0 review
- Town of Leland Formal Reviews: 1 reviews
- Town of Leland Informal Reviews: 0 reviews
- Town of Navassa Formal Reviews: 4 reviews
- Town of Navassa Informal Reviews: 1 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: 28 total (New Hanover County 7, City of Wilmington 15, Carolina Beach 0, Leland 1, Navassa 1, and Pender County 3, Brunswick County 1) ; new 6 and ongoing 22
- Pender County Development Plan Reviews: 0 reviews
- Pender County Informal Plan Reviews: 0 reviews
- Pender County Concept Reviews: 0 reviews
- City of Wilmington Formal Reviews: 60 (8 new, 52 on-going)
- City of Wilmington Informal Reviews: 30 (6 new, 24 on-going)
- City of Wilmington Concept Reviews: 12 ( 9 new concept reviews- 3 on-going concept)
- COW Project Releases: 14 Full releases

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

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

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

**Project Status and Next Steps:**

- Complete review of final design package and submit to NCDOT for review– Summer 2019
- NCDOT final design approval and City to request Construction Funds Authorization – Fall 2019
- Begin Construction – Spring 2020
- Complete Construction – Winter 2020

**U-5534D - TOWN OF LELAND - OLD FAYETTEVILLE ROAD MUP**

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

**Project Status and Next Steps:**

- 100% Plan approval received
- ROW certification has been issued
- Construction funds have been requested for release
- Updated PCE approved on December 4, 2018
- Davenport identified potential utility conflicts; The Town has authorized Level A – S.U.E. services to be performed to verify where conflicts exist; AECOM will revise plans to reflect any utility relocations that must be done; revised plans must then be approved by NCDOT.
- S.U.E. information has been sent to AECOM for revisions.
- Supplemental Agreement #3 dated March 28, 2019 extends project completion deadline to July 1, 2020.
- Bid and award timeline will depend upon Davenport's findings from SUE; prefer to bid this and projects U-5534I, J and K at the same time.

**U-5534F – CITY OF WILMINGTON – PARK AVENUE MUP – PHASE II**

**Project Descriptions/Scope:** This project is for the design and construction of an off-road multi-use path between Audubon Boulevard and Kerr Avenue. The right of way certification was received November 2, 2016.

**Project Status and Next Steps:**

- Complete review of final design package and submit to NCDOT for review – Summer 2019
- NCDOT final design approval and City to request Construction Funds Authorization – Fall 2019
- Begin Construction – Winter 2019
- Complete Construction – Fall 2020

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

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

**Project Status and Next Steps:**

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

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

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

**Project Status and Next Steps:**

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

**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:**

- 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

- Davenport review identified potential utility conflicts; SUE inspection has been authorized and any subsequent plan revisions will be resubmitted for approval. SUE scheduled for July.
- S.U.E. information has been sent to AECOM for revisions.

#### **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:**

- 100% Plans approved by NCDOT
- Right of way acquisition underway
- Right of way Certification- TBD
- Encroachment agreement needed once right-of-way finalize
- Davenport review identified potential utility conflicts; SUE inspection has been authorized and any subsequent plan revisions will be resubmitted for approval. SUE scheduled for July.
- S.U.E. information has been sent to AECOM for revisions.

#### **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:**

- 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
- Davenport review identified potential utility conflicts; SUE inspection has been authorized and any subsequent plan revisions will be resubmitted for approval. SUE scheduled for July.
- S.U.E. information has been sent to AECOM for revisions.

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

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

##### **Project Status and Next Steps:**

- Let Date: March 14, 2019
- Additional funds have been received and the contract is being routed for signatures
- Preconstruction meeting will be held within the next 30 days

**U-5534Q –CITY OF WILMINGTON- S. COLLEGE/HOLLY TREE CROSSWALKS**

**Project Description/Scope:** The project will install sidewalk, ADA ramps, curb and gutter, markings and traffic signal revisions required to install actuated pedestrian crossings of S. College Road and crossings on Holly Tree Road.

**Project Status and Next Steps:**

- The project has been put on hold until NCDOT's College Road resurfacing project occurs
- The City is providing survey information to NCDOT

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

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

**Project Status and Next Steps:**

- The Town is working on acquiring the easements
- Plans have been approved. The PCE and Specs have been sent back to the engineer for corrections.
- Anticipated Let Date: Fall 2019

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

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

**Project Status and Next Steps:**

- Plans and specification approved by NCDOT on February 19, 2019.
- Construction Authorization and funding request in progress.
- Bid opening to be held on August 8, 2019.

**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:**

- Scoping meeting held with NCDOT
- PE funds were released at the December 2017 Board of Transportation meeting
- The Town and Engineer have agreed to a fee. The Town working to complete the contract. The contract is in the process of being executed.

**EB-6025- TOWN OF BELVILLE- RICE HOPE MULTI-USE PATH**

**Project Description:** The project consists of the construction of a multi-use path of eight feet (8') wide located at the western side of NC 133 between Morecamble Blvd and Rice Hope Run.

**Project Status and Next Steps:**

- The agreements have been executed
- The Town is working on request for PE funds and Letter of Interest

## **TASA-DA**

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

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

**Project Status and Next Steps:**

- City Council awarded the contract on February 4, 2019. The City is currently working on executing the contract.

### **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:**

- 90% plans comments have been received and have been corrected
- Construction funds requested on July 1, 2019
- Anticipated construction bid Fall 2019

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

**Project Description:** The project consists of the construction of a multi-use path of twelve feet (12') wide located along NC 133 connecting north and south entrances of Hawks Water Development to Belville Elementary School.

**Project Status and Next Steps:**

- The agreements have been executed
- The Town is working on request for PE funds and Letter of Interest

### **EB-6027 – NEW HANOVER COUNTY -MIDDLE SOUND GREENWAY**

**Project Description:** Design only of the Middle Sound Greenway connection to Ogden Park

**Project Status and Next Steps:**

- The agreements have been signed
- PE funds are being requested

### **EB-6028 —CITY OF WILMINGTON- 21<sup>st</sup> Street/Market HAWK SIGNAL**

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

**Project Status and Next Steps:**

- NCDOT agreements were approved on at the July 16<sup>th</sup> City Council meeting
- The agreement is being routed for signatures

### **EB-6029 – TOWN OF CAROLINA BEACH – CLARENDON AVENUE MULTI-USE PATH**

**Project Description:** Construction of the Clarendon Avenue multi-use path from 4th Street to Dow Road

**Project Status and Next Steps:**

- The agreement has been executed
- Existing plans have been submitted to DOT for review. Comments have been received by the Town.

### **TRANSPORTATION DEMAND MANAGEMENT PROGRAM**

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

### **Project Status and Next Steps:**

#### **Initiatives**

1. Be A Looker Campaign
  - a. Initiating a 6 month bicycle and pedestrian safety campaign to take place April to September 2019
2. Bike Share
  - a. Completed agreement with Zagster. Contract has been signed.
  - b. Zagster is in process of securing “title sponsors” to fund the program
3. New Go Coast Website
  - a. New website is being created
4. Social Media
  - a. Posting at least three times per week
  - b. WMPO Facebook, Instagram, and Twitter and Go Coast Instagram
5. NCDOT has selected a new vendor for Share The Ride NC. Vendor will be announced July 2019
6. Scooters
  - a. Waiting on direction from NC General Assembly for policy on electric scooter share programs
  - b. General Assembly currently defining “scooter” in Bill 553 which it not yet passed. Bill will not determine where scooters can be ridden.
7. Writing a model ordinance for regulation of electric bicycles to be presented to the Bike/Ped Advisory Committee in August
8. Developing TDM portion of the Metropolitan Transportation Plan



## Cape Fear Public Transportation Authority

### Project Update

August 2019

#### REGIONAL AUTHORITY PROJECTS

1. **Bus fleet replacement** - FTA funding in the amount of \$3.6M for nine replacement buses was awarded to the Authority from a nationwide discretionary grant in April 2018. Seven buses were ordered June 29, 2018. Four buses were delivered in June 2019 and three are scheduled for production in August 2019. All vehicles are expected to be delivered by August 30, 2019.

On February 28, 2019 the Authority authorized \$879,692 for the purchase of two trolley replica buses to serve the Downtown Trolley Route. The first vehicle is expected to complete production on August 29, 2019 with the second vehicle beginning production immediately thereafter.

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

Five paratransit vehicles, ordered in 2018, were delivered in April 2019 and have been placed into revenue service.

Additional funding for four buses will be requested from the VW mitigation settlement phase one. An RFP for funding was issued by NC DAQ on June 17, 2019. The application for funding was released on July 01, 2019. Applications are due by September 30<sup>th</sup> with an expected award in the late part of 2019.

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

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

Staff has begun its evaluation of the proposed changes and revenue neutral route changes are being presented to the board. The modifications are expected to take place in conjunction with the opening of the WMMTC.

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 presented its findings to the Wilmington City Council and the New Hanover County Board of Commissioners. One of the recommendations from the study was implementation of a dedicated source of funding for the Cape Fear Public Transportation Authority. On March 28, 2019 the Authority Board unanimously adopted a resolution requesting the New Hanover County Commissioners implement a countywide vehicle registration fee pursuant to NCGS Chapter 105 Article 52 with the proceeds benefiting public transportation in New Hanover County.

#### **WMPO SPONSORED PROJECTS**

1. **Wilmington Multimodal Transportation Center** - An Interlocal Agreement between Authority, City of Wilmington, WMPO, and NCDOT has been executed. Demolition of the U-Haul building is complete. Thanks to generous support from the WMPO, STP-DA funding in the amount of \$2,400,000 has been flexed by FHWA to FTA for the project and a formal grant with FTA has approved. On June 27, 2018 the WMPO awarded up to \$1,700,000 in additional STBGP-DA funding to complete the project. The flex process to convert the funds from FHWA to FTA was initiated on July 30, 2018.  
*Phase 1* consisting of hazardous materials abatement and demolition is complete.  
*Phase 2* consisting of building stabilization is complete.  
*Phase 3* consisting of renovation construction was let for bidding on February 14, 2018.  
*Phase 3A (final phase)* consisting of sitework was authorized on April 25, 2019. Renovation construction of the Neuwirth Building began on December 03, 2018. Neuwirth Building renovation construction is approximately 95% complete. Sitework, including stormwater management and bus drive aisles is underway. Completion of the entire project is estimated to occur on November 01, 2019 due to delays in SHPO window production.



Projects in Development

Project Manager	TIP	Description	County	PO	ROW	STIP Let Date	Comment*
Krista Kimmel	U-4902D	US 17 Bus - Market St Median	New Hanover	WMPO	IP	Feb-19	Contract # C204319
Robert Vause	HILC	Hoover Rd widening from proposed interchange to US 17 with 2' paved	Pender	WMPO	2019	Mar-19	
Eric Murray	W-5601DH	3rd St and Dock St Intersection	New Hanover	WMPO	IP	Jul-19	
Krista Kimmel	U-3338C	Kerr Ave Interchange at MLK	New Hanover	WMPO	2018	Dec-19	
Derek Pielech	17BP.3.C.4	Replace Culvert on SR 1175	New Hanover	WMPO	TBD	Feb-20	
Mike Bass	U-5710A	US 74 (Eastwood Road)- construct roadway on new location between l	New Hanover	WMPO	IP	Apr-20	
Derek Pielech	B-4590	Replace Bridge 29 on Corneilus Harnett Dr/Castle Hayne Rd over Smith	New Hanover	WMPO	TBD	Apr-20	
Krista Kimmel	U-4902C	US 17 Bus - Market St Median & Interchange	New Hanover	WMPO	IP	Jun-20	
Eric Murray	U-5914	Widen NC 133 from US 17/74/76 to Old River Rd	Brunswick	WMPO	2019	Jun-20	
Trace Howell	R-3300A	Hampstead Bypass (US 17 from Military Cutoff Rd to NC 210)	New Hanover/ Pender	WMPO	IP	Sep-20	
Trace Howell	R-3300B	Hampstead Bypass	New Hanover/ Pender	WMPO/CFRPO	IP	Sep-20	*Previously SS-4903CE
Eric Murray	W-5703C	Monkey Junction Pedestrain Improvements	New Hanover	WMPO	TBD	Nov-20	
Mike Bass	U-5710	US 74 (Eastwood Rd) at US 17 (Military Cutoff Rd)	New Hanover	WMPO	2019	Sep-21	
Trace Howell	U-5732	US 17 Hampstead Median Project	Pender	WMPO/CFRPO	2018	Sep-21	
Krista Kimmel	U-5926	New Route from 23rd St to 26th St	New Hanover	WMPO	2020	Jun-22	
Brian Harding	U-5729	US 421 Carolina Beach Rd Median with intersection improvement at St	New Hanover	WMPO	2019	Jul-22	
Brian Harding	U-5731	US 74 at US 17/US 421 Flyover	New Hanover	WMPO	2020	May-23	
Brian Harding	U-5863	NC 133 - Castle Hayne Rd from I-140 to Division Dr	New Hanover	WMPO	2021	Oct-23	
Trace Howell	U-5790	Monkey Junction Interchange	New Hanover	WMPO	2022	Apr-24	
Trace Howell	U-5792	MLK at College	New Hanover	WMPO	2022	Jun-24	Let with U-5881
Brian Harding	U-5954	NC 133 at 23rd St Roundabout	New Hanover	WMPO	2022	Jun-24	
Krista Kimmel	U-4902B	US 17 Bus - Market St Median - Railroad to MLK	New Hanover	WMPO	2018	Dec-24	
Brian Harding	U-5734	US 421 Front St Widening	New Hanover	WMPO	2023	May-25	
Krista Kimmel	U-4434	Independence Boulevard Extension	New Hanover	WMPO	2020	Jun-25	
Trace Howell	U-5702A	College Rd from New Centre to Shipyard	New Hanover	WMPO	2022	Jun-25	
Trace Howell	U-5704	US 17 (Oleander) at College	New Hanover	WMPO	2022	Jun-25	
Trace Howell	U-5881	College Rd from Gordon Rd to New Centre	New Hanover	WMPO	2022	Jun-26	Let with U-5792
None	U-6199	Wilmington Citywide Signal System Upgrade	New Hanover	WMPO	2025	Jun-27	
Krista Kimmel	U-6201	Kerr avenue Extension from Wrightsville Avenue to Oleander Dr	New Hanover	WMPO	2025	Jun-27	
Trace Howell	U-5702B	College Rd Access management improvement from Carolina Beach Rd to Shipyard Blvd	New Hanover	WMPO	2025	Jan-29	
Trace Howell	U-5732A	Dan Owen Connector	Pender	WMPO/CFRPO	2017	CSF (Now)	
Krista Kimmel	U-6080	Kerr Ave Widening from Patrick to Wrightsville	New Hanover	WMPO	2025	N/A	Removed From STIP
Brian Harding	U-6083	23rd St widening from MLK to NC 133	New Hanover	WMPO	2025	N/A	Removed From STIP
Krista Kimmel	U-4738A	Cape Fear Crossing (US 17 to NC 133)	swick/New Hanc	WMPO	2028	PY	Work continuing
Krista Kimmel	U-4738B	Cape Fear Crossing (NC 133 to US 421)	swick/New Hanc	WMPO	PY	PY	Work Continuing
Brian Harding	U-6128	US 76 (Oleander Dr) and Greenville Loop Rd/Greenville Avenue Dual Le	New Hanover	WMPO	2029	PY	Project currently on hold
Brian Harding	U-6202	Widen Gordon Rd to 4 lanes from US 17 Market St to I-40	New Hanover	WMPO	2029	PY	Work Continuing

Statewide

Regional Impact

Division Needs

Project Let

Fallen out of STIP

Date Completed:

PO:

Contact:

8/5/2019

WMPO

Caitlin Marks

910-341-2000 | cmmarks@ncdot.gov

\*Please note: Let Dates may change with the final STIP release in September\*

Projects Under Construction					
Contract Number	Resident	TIP/WBS/Program	County	Description	Estimated Completion Percent Complete
DC00218	Adam Britt	N/A	New Hanover	Snow Cut (#30) on US 421 over SR 1532 Feder replace	Aug-19 91.84%
C204119	Wayne Currie	HVBP	New Hanover	Cape Fear Memorial Bridge	Oct-19 96.31%
C204080	Alex Stewart	R-2633D	Brunswick, New Hanover	I-140 ITS for Wilmington Bypass	Nov-19 96.46%
DC00258	Daniel Waugh		Pender	Hoover Rd (SR 1569) Pipe Replacements	Nov-19 0.00%
DC00234	Daniel Jones	N/A	Brunswick, New Hanover, Onslow, Pender	Plant Bed Maintenance on NC 24/US 17/NC 132/NC 211/NC 53/US 421/US 74	Nov-19 61.45%
C204282	Alex Stewart	15403.1065027	New Hanover	Bridge on US 421 over Fishing Creek 4 miles N of I-140	Apr-20 26.85%
DC00254	Lydia McKeel	R-5783C/D	Brunswick, Duplin, New Hanover, Onslow, Pender, Sampson	2019 TAP Curb Ramp	May-20 0.00%
DC00231	Daniel Jones	R-3601(L)	Brunswick	Landscaping for the Diverging Diamond at US 74/76 and NC 133	Jun-20 72.50%
C204203	Wayne Currie	HVBP	New Hanover	Isabel Holmes Bridge (#11, US 74) Girder repair, upgrade paint/structural steel, replace grid floor	Mar-21 6.39%
C203980	Alex Stewart	U-4751	New Hanover	Military Cutoff Rd Extension from Market St to the Wilmington Bypass with an interchange at the Bypass	Jul-22 23.46%
C204319	Alex Stewart	U-4902D	New Hanover	Superstreet median on Market St (US 17 BUS) from Marsh Oaks Dr to Lendire Dr	Nov-22 10.23%
TBD	Wayne Currie	HVBP	New Hanover	Banks Channel (#21, US 76) girder repair, clean and paint bearings, epoxy caps	TBD TBD
TBD	Wayne Currie	HVBP	New Hanover	Cape Fear (#48, I-140 E) Shear Strengthen	TBD TBD
TBD	Wayne Currie	HVBP	New Hanover	Cape Fear (#49, I-140W) Shear Strengthen	TBD TBD

Resurfacing

Contract Number	Contract Year	County	Resident	TIP	MPO/RPO	Map	Routes	Estimated Completion	Percent Complete
C204094	2018	Brunswick	Daniel Waugh	W-5203Y	GSATS/WMPO/CFRPO	0	US 76 E. & W., US 421 N., NC 130, NC 179, NC 904.	Jul-20	98.94%
C204094	2018	Brunswick	Daniel Waugh	W-5203Y	CFRPO/GSATS	1	NC 130 (Whiteville Rd) from US 17 Bus to SR 1335		
C204094	2018	Brunswick	Daniel Waugh	W-5203Y	GSATS	2	NC 179 (Old Georgetown Rd) from 179 Bus (Beach Dr) to NC 904		
C204094	2018	Brunswick	Daniel Waugh	W-5203Y	CFRPO/GSATS	3	NC 904 (Longwood Rd) from SR 1321 to SR 1304		
C204094	2018	Brunswick	Daniel Waugh	W-5203Y	GSATS	4	NC 179 Bus (Sunset Blvd) from traffic circle at Shoreline Dr to west of NC 904		
C204094	2018	Brunswick	Daniel Waugh	W-5203Y	GSATS	5	SR 1319 (Union School Rd) from SR 1316 to US 17		
C204094	2018	Brunswick	Daniel Waugh	W-5203Y	CFRPO	6	SR 1504 (Clemmons Rd) from SR 1316 to US 17		
C204094	2018	Brunswick	Daniel Waugh	W-5203Y	CFRPO	7	SR 1333 (Project Rd) from SR 1326 to end of Pavement		
C204094	2018	Brunswick	Daniel Waugh	W-5203Y	CFRPO	8	SR 1327 (New Britton Loop Rd) from SR 1333 to SR 1326		
C204094	2018	Brunswick	Daniel Waugh	W-5203Y	CFRPO	9	SR 1337 (Marlow Rd) from SR 1336 to SR 1333		
C204094	2018	Brunswick	Daniel Waugh	W-5203Y	CFRPO	10	SR 1308 (Etheridge Rd) from SR 1300 to NC 904		
C204094	2018	Brunswick	Daniel Waugh	W-5203Y	CFRPO	11	SR 1335 (Myrtlehead Rd) from SR 1333 to SR 1336		
C204094	2018	Brunswick	Daniel Waugh	W-5203Y	GSATS	12	SR 1356 (Marlowtown Rd) from 1302 to SR EOM		
C204094	2018	Brunswick	Daniel Waugh	W-5203Y	GSATS	13	SR 1301 (McLamb Rd) from SR 1300 to SC line		
C204094	2018	Brunswick	Daniel Waugh	W-5203Y	CFRPO/GSATS	14	SR 1316 (Old Shallotte Rd) from NC 904 to US 17		
C204094	2018	Brunswick	Daniel Waugh	W-5203Y	GSATS	15	SR 1155 (Goose Creek Rd) from NC 179 to SR 1143		
C204094	2018	Brunswick	Daniel Waugh	W-5203Y	GSATS	16	SR 1304 (Pea Landing Rd) from US 17 to NC 904		
C204094	2018	Brunswick	Daniel Waugh	W-5203Y	CFRPO/GSATS	17	SR 1305 (No. 5 School Rd) from SR 1300 to SR 1304		
C204094	2018	Brunswick	Daniel Waugh	W-5203Y	GSATS	18	SR 1165 (Thomasboro Rd) from US 17 to SR 1164		
C204094	2018	Brunswick	Daniel Waugh	W-5203Y	GSATS	19	SR 1720 (Washington Rd) from US 17 Bus. To EOM		
C204094	2018	Brunswick	Daniel Waugh	W-5203Y	CFRPO	20	SR 1312 (Mt. Zion Church Rd) from NC 904 to EOM		
C204094	2018	Brunswick	Daniel Waugh	W-5203Y	CFRPO/GSATS	21	SR 1315 (Russtown Rd) from SR 1313 to NC 904		
C204094	2018	Brunswick	Daniel Waugh	W-5203Y	GSATS	22	SR 1115 (Stone Chimney Rd./Old Ferry Connection) from NC 211 to intracoastal waterway		
C204135	2018	Hanover/Brunswick	Lydia McKeel	N/A	WMPO	0	US 421/US 76/NC 132 and various SRs (New Hanover Resurfacing)	Oct-19	55.94%
DC00229	2019	Pender	Lydia McKeel	N/A	WMPO/CFRPO	0	Various SRs (Pender Resurfacing)	Nov-19	93.93%
DC00229	2019	Pender	Lydia McKeel	N/A	WMPO/CFRPO	1	Highsmith Rd from NC 210 to SR 1401		
DC00229	2019	Pender	Lydia McKeel	N/A	CFRPO	2	Whitestocking Rd from NC 53 to SR 1513		
DC00229	2019	Pender	Lydia McKeel	N/A	CFRPO	3	Maple Rd from Old River Rd to Dead End		
DC00229	2019	Pender	Lydia McKeel	N/A	CFRPO	4	Penderlea Hwy from Cora's Gove Rd to Shiloh Rd		
DC00229	2019	Pender	Lydia McKeel	N/A	WMPO	5	St Johns Church Rd from Beginning of pavement to end of state maintenance		
DC00229	2019	Pender	Lydia McKeel	N/A	CFRPO	6	Shaw Hwy from Old Blakes Rd to NC 53		
DC00229	2019	Pender	Lydia McKeel	N/A	CFRPO	7	Old Blakes Bridge Rd from Old Maple Hill Rd to Shaw Hwy		
DC00229	2019	Pender	Lydia McKeel	N/A	CFRPO	8	Vanhoe Rd from Beattys Bridge Rd to Sampson Co		
DC00229	2019	Pender	Lydia McKeel	N/A	CFRPO	9	Garden Rd/Racoon Rd from NC 11 to NC 11		
DC00229	2019	Pender	Lydia McKeel	N/A	WMPO	10	Balcombe Rd from NC 210 to End of Pavement		
DC00229	2019	Pender	Lydia McKeel	N/A	CFRPO	11	Pelham Rd/Eleanor Roosevelt Ln from Garden Rd to Raccoon Rd		
DC00229	2019	Pender	Lydia McKeel	N/A	WMPO	12	Oakvale Rd from Scotts Hill Loop to Lafayette St		
DC00229	2019	Pender	Lydia McKeel	N/A	WMPO	13	Lafayette St from Poplar Grove Rd to Cul-de-Sac		
DC00229	2019	Pender	Lydia McKeel	N/A	CFRPO	14	Point Caswell Rd from Slocum Trail rd to End of Pavement		
DC00229	2019	Pender	Lydia McKeel	N/A	CFRPO	15	Giddeons Pond Rd from NC 11 to SR 1325 (Sill Creek Rd)		
DC00229	2019	Pender	Lydia McKeel	N/A	CFRPO	16	Cottle Acres from Piney Woods Rd to Penderlea Hwy		
DC00229	2019	Pender	Lydia McKeel	N/A	CFRPO	17	West Willarlea Rd from Eleanor Roosevelt Ln to NC 11		
DC00229	2019	Pender	Lydia McKeel	N/A	CFRPO	18	East Willarlea Rd from Eleanor Roosevelt to NC 11		
DC00229	2019	Pender	Lydia McKeel	N/A	CFRPO	19	Sill Creek Rd from Garden Rd/Raccoon Rd to Crooked Run Rd		



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

JAMES H. TROGDON, III  
SECRETARY

August 2019

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

AUGUST TPD UPDATES WILMINGTON MPO

August 2019

**New Business:**

**Brunswick County Model** – The new engineer and modeler have taken over the model since the previous engineer and modeler left. As of June 20<sup>th</sup>, base year estimation has been completed. Currently the engineer and modeler have been validating the model and getting it ready for base year run.

**NCMoves 2050:** The second survey of NCMoves 2050 comment period ended in June. The NCMoves team has compiled the survey results. In this second round, there were 10,100 responses to the survey. The first survey back in December of last year gathered 3,600 responses. In this round, MPOs believe that the most important topic is: equity. The RPOs believed the most important topic is: broadband access.

**2020-2029 STIP:** Approval will be in September of 2019 instead of the June meeting. The current 2018-2027 STIP will be maintained and amended until adoption.

**Safety Insights:** (Article from FHWA Human Environment Digest 6/13/19)  
Study Reveals Bicycle Lanes Reduce Fatalities for All Road Users  
The University of Colorado Denver conducted a 13-year longitudinal study (<https://www.sciencedaily.com/releases/2019/05/190529113036.htm>) that found bicycle infrastructure decreases fatalities for all road users. The study noted that bicycling infrastructure—specifically separated and protected bicycle lanes—leads to fewer fatalities

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and better road-safety outcomes for all road users. The study also reinforces the importance of building bicycle networks to increase safety

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

## **Old Business:**

### **North Carolina Zero Emission Vehicle Plan:**

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

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

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

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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

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