Create and execute continuing, cooperative and comprehensive regional long-range planning efforts that proactively 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: April 6, 2018
SUBJECT: April 11th meeting

A meeting of the Wilmington Urban Area MPO’s Technical Coordinating Committee will be held on Wednesday, April 11th at 10 am. The meeting will be held in the New Hanover County Library, Harnett Room located at 201 North 3rd Street in downtown Wilmington.

The following is the agenda for the meeting:

1) Call to Order
2) Approval of the Agenda
3) Presentations
   a. Cape Fear Memorial Bridge Rehabilitation Project- Kevin Bowen, NCDOT
   b. Aerial Drones- Jason O’Brien, WMPO
   c. NCDOT’s Public Transportation Strategic Plan Video
4) Consent Agenda
   a. Approval of TCC Meeting Minutes- March 14, 2018
5) Regular Agenda
   a. Resolution approving an Administrative Modification #18-3 to the 2018-2027 State/MPO Transportation Improvement Programs for Performance Management
   b. Resolution approving the allocation of additional Direct Attributable funding for the Shipyard Boulevard Bus Pull-out and Sidewalk Project
6) Discussion
   a. Draft Prioritization 5.0 Programmed Statewide Mobility Projects
   b. 2018-2027 STIP/MPO TIP Modification #18-4
7) Updates
   a. MPO Staffing
   b. Crossing over the Cape Fear River
   c. Wilmington Urban Area MPO
   d. Cape Fear Moving Forward 2045 Transportation Plan
   e. Cape Fear Public Transportation Authority
   f. NCDOT Division
   g. NCDOT Transportation Planning Division
8) Announcements
a. WMPO Bike/Ped Committee Meeting- April 10th
b. NCPTA Conference- April 23-25th
9) Next meeting- May 16, 2018

Attachments:
- TCC Meeting Minutes- March 14, 2018
- Resolution approving an Administrative Modification #18-3 to the 2018-2027 State/MPO Transportation Improvement Programs for Performance Management
- Resolution approved by the City of Wilmington for the Shipyard Boulevard Bus Pull-out and Sidewalk Project
- Resolution approving the allocation of additional Direct Attributable funding for the Shipyard Boulevard Bus Pull-out and Sidewalk Project
- Draft Prioritization 5.0 Programmed Statewide Mobility Projects
- 2018-2027 STIP/MPO TIP Modification #18-4
- Cape Fear River Crossing Update (April)
- Wilmington MPO Project Update (April)
- Cape Fear Public Transportation Authority Update (April)
- NCDOT Division Project Update (April)
- NCDOT Transportation Planning Division Project Update (April)
1. **Call to Order**
   Mr. Kozlosky called the meeting to order at 10:05 a.m.

2. **Approval of Agenda**
   Ms. Barefoot made the motion to approve the agenda as presented, seconded by Mr. Bennett, and the motion carried unanimously.

3. **Presentation**
      Mr. O’Brien gave an overview of five stages of autonomous technology as follows:
      
      1. Automation or assistive technology (current stage);
      2. Increased autonomy and assistive technology such as lane centering;
      3. Safety critical functions and accident avoidance;
      4. Autonomy limited to certain locations and conditions; and
      5. Full autonomy/completely driverless vehicles (22nd century).
      
      Mr. O’Brien stated that each stage will dominate for a number of years; although technologies will overlap. He pointed out that the stages can be grouped into eras:
      
      1. Driver assistance (stages 1-3);
      2. Limited autonomy (stage 4); and
      3. Full autonomy (stage 5).
      
      Mr. O’Brien explained that early stages will operate mostly on highways and expand to more complex environments such as downtowns and local streets. He noted that the first autonomous vehicles will be trucks hauling freight. He also noted that autonomous transit already exists on dedicated routes.
      
      Mr. O’Brien gave an overview of the consequences of autonomous vehicles. He noted that machine vision is confused by pedestrians and the weather. He added that
experts agree that less parking and better curbside management will be necessary by the 4th stage. However, experts are divided on projected outcomes as follows:

- Increased congestion due to the impact of the diminished time cost of driving, resulting in accelerated changes in driver behavior and urban sprawl; and/or
- A decline in private ownership due to the efficiencies of the shared-use model and the cost prohibitive nature of autonomous vehicles.

Mr. O’Brien gave an overview of the impact to public transit. He noted that the current national downward trend in ridership is attributed to ride hailing services such as Uber and Lyft. He pointed out that public transit may improve its prospects and avoid labor issues by embracing autonomous technology to improve efficiencies and fill transit gaps on local routes.

Mr. O’Brien stated that the autonomous vehicle lobby is currently focusing on federal and state levels. However, the federal government is devolving decision making to the states.

Mr. O’Brien stated that autonomous vehicles in later stages will need to communicate with each other and smart infrastructure (intelligent information systems) such as messaging signs. He gave some examples and noted that infrastructure changes are expected to be minor, small and inexpensive, such as paint, markings, embedded sensors, signs and signals. Most changes will occur regarding road management.

Mr. O’Brien stated that many traditional sources of revenue (gas tax, parking fees and fines, traffic tickets/speed traps/moving violations) will become irrelevant. He noted that autonomous vehicles will potentially increase safety and personal productivity, eliminate the need for parking, encourage country-side development, have the potential to eliminate uses such as cycling, walking, and public transit, increase congestion, and necessitate a new demand management approach and a new revenue model. He recommended that members read the American Planning Association’s recent article, “Autonomous Vehicles: Planning for Impacts on Cities & Regions.”

Mr. Kozlosky stated that this presentation one in a series that will be given to the Citizens Advisory Committee for the development of the Metropolitan Transportation Plan (MTP).

Mr. Bennett stated that Wilmington has three signals that have been upgraded to provide SPAT (Signal, Phase And Timing) information needed for vehicle and infrastructure communications. He noted that all that is needed is the communication technology. He added that one other corridor in Wilmington has been fitted for high resolution data collection.

In response to an inquiry by Mr. Serkin, Mr. Kozlosky stated that a drastic change in traffic management will occur during the next 25 years. He noted that some policy recommendations were included with the presentation to the CAC.

Ms. Roth expressed concerns regarding safety and infrastructure design. Mr. Bennett pointed out that two fatalities have occurred due to machine vision.
4. Consent Agenda
   a. Approval of TCC Meeting Minutes – February 14, 2018
   b. Resolution approving 2018-2027 STIP/MTIP Modification #18-2
   c. Resolution approving 2018-2027 STIP/MTIP Amendment #18-1
   d. Resolution supporting an effort to explore the possible sequencing of the construction of the Cape Fear Crossing and replacement of the Cape Fear Memorial Bridge
   e. Resolution adopting the 2018 Legislative Agenda

Ms. Bunch made a motion to approve the Consent Agenda and to forward Items 4a through 4e to the Board for consideration. Ms. Kimes seconded the motion, and it carried unanimously.

5. Regular Agenda
   a. Resolution approving the Wilmington Urban Area MPO’s FY 19 Unified Planning Work Program
      Mr. Kozlosky reminded members that a draft was presented to the committee in January. Since that time, the STP-DA budget has been increased by $20,000 to implement recommendations from the compensation analysis. He noted that the Board has directed staff to take this through the City’s budgeting process.

      Ms. Barefoot made a motion to approve the Resolution approving the Wilmington Urban Area MPO’s FY’19 Unified Planning Work Program. Ms. Roth seconded the motion, and it carried unanimously.

   b. Resolution Certifying the Transportation Planning Process for the Wilmington Urban Area MPO
      Mr. Kozlosky reminded members that the MPO is required to certify annually its transportation planning process in a continuing, cooperative and comprehensive manner in compliance with federal regulations. He noted that this resolution acknowledges and certifies compliance.

      Ms. Bunch made a motion to approve the Resolution Certifying the Transportation Planning Process for the Wilmington Urban Area MPO. Ms. Kimes seconded the motion, and it carried unanimously.

   c. Resolution supporting the allocation of Direct Attributable funds to the Town of Carolina Beach for the Cape Fear Multi-use Path
      Ms. Kimes stated that the Town of Carolina Beach bid its second STP-DA project recently and it came in slightly over budget. She noted that this resolution will cover the additional needs.

      In response to an inquiry by Mr. Serkin, Ms. Kimes stated that contingency is included in all project bids. She noted that the quantities are never exact. She added that sometimes streetscape improvements are included.

      Mr. Kozlosky stated that the Board has approved the use of FY’18 funds to cover cost overruns.
Following further discussion, Ms. Matheny made a motion to approve the Resolution supporting the allocation of Direct Attributable funds to the Town of Carolina Beach for the Cape Fear Multi-use Path. Mr. Serkin seconded the motion, and it carried unanimously.

d. **Resolution supporting the allocation of FY18 Direct Attributable funds to the Cape Fear Public Transportation Authority**

Ms. Kimes stated that all of the projects for FY18 funds that were estimated or awarded were reviewed with current estimates. Wave Transit has requested the same allocation as last year. She added that the $591,000 would be used for ADA improvements such as bus stop enhancements.

In response to an inquiry by Mr. Serkin, Ms. Kimes estimated that about $400,000 would remain as surplus, assuming that all projects go to bid this year.

Mr. Kozlosky pointed out that the modal targets of 20 percent equates to $591,000. He reminded members that the MPO Board approved the use of surplus funds for overages and for Wave Transit. Although this is the process for this year, the allocation of resources for FY19 still needs to be determined.

Ms. Matheny stated that the STP-DA Subcommittee met to discuss the process for FY19.

Ms. Ayers made a motion to approve the Resolution supporting the allocation of FY18 Direct Attributable funds to the Cape Fear Public Transportation Authority. Mr. Bennett seconded the motion, and it carried unanimously.

6. **Discussion**

a. **Socio-economic Data Projections**

Ms. Sarder gave an update on the socio-economic data projections. She acknowledged the presence of members of the socio-economic data committee who have been collecting parcel data for new housing units since. She noted that the last one was received on Monday and will be reviewed and incorporated into the model. She added that employment information was verified as well. She stated that the base year model should be complete by the end of this month and the future model, by June.

In response to an inquiry by Mr. Kozlosky, Ms. Sarder stated that the committee will be reconvened for future year data verification.

In response to an inquiry by Mr. Serkin, Ms. Sarder stated that a presentation would be given to the TCC and the Board in April.

In response to an inquiry by Mr. Bennett regarding an interactive model that could be updated on the fly, Ms. Sarder stated that the current model is merely an update. She noted that the next model would be developed from scratch. She acknowledged that the committee worked diligently to update the model that includes more than 600 TAZs.
7. **Updates**  
    a. **MPO Staffing**  
       Mr. Kozlosky introduced the newest staff member, Fred Royal, Project Engineer, who started on March 5th.
       
       Mr. Royal expressed appreciation and gave some background information.
       
       Mr. Kozlosky noted that other updates are included in the agenda packet.

8. **Announcements**

   - NCDOT’s Public Transportation Statewide Strategic Plan Summit: March 21st  
     Ms. Matheny offered members the option of carpooling to Raleigh.

   - Next WMPO Bike/Ped Committee meeting: April 10th  
     Mr. Kozlosky stated that appointments are still needed from the City of Wilmington, the Cape Fear Public Transportation Authority and the Town of Kure Beach. He noted that the River to the Sea Bike Ride event has been scheduled for May 5th.

   - NCPTA Conference: April 23rd-25th  
     Ms. Matheny stated that the conference would be held at the Wilmington Convention Center. She noted that the keynote speaker will discuss autonomous vehicles and encouraged anyone with an interest to attend.

   Mr. Kozlosky stated that the next TCC meeting will be on April 11th at the usual time at this location (the Harnett Room of the Main Branch of the New Hanover County Public Library).

   In response to an inquiry by Ms. Matheny, Mr. Kozlosky stated that the Citizens Advisory Committee (CAC) is structured the same as in the past. He noted that the kickoff event is scheduled for April 3rd at the Northeast Branch of the New Hanover County Public Library. He added that two speakers have been secured, Board Vice Chair Pat Batleman and CAC Chair Laura Padgett. He noted that the speakers will be sandwiched between two open houses.

   Mr. Kozlosky stated that presentations to the boards and member jurisdictions are scheduled for April; five open houses at various locations in May; and public comment will be collected through July 31st. Then, stakeholders in modal subcommittees will meet and develop project lists. Also, the consultant, WSP, has been contracted to help with public outreach and the financial analysis; although most of the effort will be in-house.

   Ms. Matheny requested a “save-the-date” for the April 3rd kick-off event to share with members’ distribution networks. Ms. Lorenzo stated that one was sent to Ms. Lacer and that it has also been shared on social media.

   Ms. Bunch expressed concerns regarding social media and requested that traditional media be used. Mr. Kozlosky responded that a press release is being prepared; and will be distributed.
9. **Adjournment**
   With no further items, the meeting was adjourned at 11:06 a.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.
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/Metropolitan Transportation Improvement Programs on August 30, 2017; and

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization desires to modify the adopted 2018-2027 Transportation Improvement Program to ensure compliance with federal law; and

WHEREAS, 23 CFR 450.326 (d) states that “the TIP shall include, to the maximum extent practicable, a description of the anticipated effect of the TIP toward achieving the performance targets identified in the metropolitan transportation plan, linking investment priorities to those performance targets”; and

WHEREAS, the amended language needs to be in the MPO’s Transportation Improvement Program by May 27, 2018 or FHWA will not recognize any future TIP modifications for the MPO after that date; and

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 to include the following language:

The Wilmington Urban Area Metropolitan Planning Organization has established performance management targets for highway safety and for transit tier 2 providers that chose to participate in NCDOT’s Group Transit Asset Management (TAM) Plan and will establish federally mandated performance management targets for infrastructure condition, congestion, system reliability, emissions and freight movement. The Wilmington Urban Area Metropolitan Planning Organization anticipates meeting their identified targets with the mix of projects included in the TIP.
ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization’s Board on April 18, 2018.

_________________________________________________________________________

David Piepmeyer, Chair

_________________________________________________________________________

Mike Kozlosky, Secretary
Resolution

City Council
City of Wilmington
North Carolina

Introduced By: Sterling B. Cheatham, City Manager

Date: 4/3/2018

Resolution Authorizing the City Manager to Pursue Additional Funding and Committing Additional Matching Funds for the City of Wilmington's 2014 Surface Transportation Program Direct Attributable Project U-5534N which is the Shipyard Bus Pullout and Sidewalks Project

LEGISLATIVE INTENT/PURPOSE:

In 2014, the City of Wilmington was awarded federal funds from the Surface Transportation Direct Attributable (STP-DA) program for the design, permitting, and construction of the Shipyard Boulevard Bus Pullout and Sidewalks project (U-5534N).

The City of Wilmington entered into an agreement with the North Carolina Department of Transportation (NCDOT) to receive federal funding from the STP-DA program in the amount of $240,000 for the design, permitting, and construction of the U-5534N project with the City committing to a matching amount of $60,000 to pay for the $300,000 total estimated project cost of the U-5534 project.

The current estimated project cost, based on final design plans and specifications, is $400,000. An additional $100,000 in funding is required to move forward with the bid, award, and construction of the project. The additional funding is primarily associated with the original estimate being based on a high level, conceptual layout rather than an engineered design, as well as increases in construction costs over time. Approval of the resolution will allow the City of Wilmington to pursue an additional $80,000 in STP-DA program funding in conjunction with a $20,000 City match from the 17SW20 Pedestrian / Bike Improvements project to provide sufficient funds to move the project forward.

THEREFORE, BE IT RESOLVED:

THAT, the Wilmington City Council authorizes the City Manager to pursue an additional $80,000 in STP-DA program funding and authorizes an additional $20,000 in City matching funds for the design and construction of the STP-DA U-5534N project.

Adopted at a Regular meeting on April 3, 2018

Approved:

Bill Saffo, Mayor

Attest:

Penelope Spicer-Sidbury, City Clerk
WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
BOARD

RESOLUTION SUPPORTING THE ALLOCATION OF ADDITIONAL SURFACE
TRANSPORTATION BLOCK GRANT PROGRAM- DIRECT ATTRIBUTABLE FUNDS TO
THE CITY OF WILMINGTON FOR THE SHIPYARD BOULEVARD BUS PULLOUT AND
SIDEWALK PROJECT

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

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

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

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

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization’s Board allocated FY 14 STP-DA funds to the Shipyard Bus Pullout and Sidewalk project for the construction of a bus pullout along Shipyard Boulevard and sidewalk that will begin at Rutledge Drive and terminate at Vance Street; and

WHEREAS, the City of Wilmington has requested an additional $80,000 from the Wilmington Urban Area Metropolitan Planning Organization for un-anticipated project costs; and

WHEREAS, by Resolution the City of Wilmington has approved the required 20% local match.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby supports the allocation of additional STBGP-DA funds to the City of Wilmington Shipyard Boulevard Bus Pullout and Sidewalk project.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization’s Board on April 18, 2018.

_________________________________
David Piepmeyer, Chair

_________________________________
Mike Kozlosky, Secretary
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<th>To</th>
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# Programmed Statewide Mobility Projects

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<th>FY 2027</th>
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<td>Widen roadway and improve ramps</td>
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<td>5 - Construct Freeway on New Location</td>
<td>Convert interstates and freeways to managed motorways including, I-40 from Wade Ave to NC 42, I-440, I-87 to I-540, and US-1 south to NC-540.</td>
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<td>36,896,000</td>
<td>36,896,000</td>
<td>36,896,000</td>
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<td>6 - Improve Interchange</td>
<td>Convert interchange to DDI</td>
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<td>10,842,000</td>
<td>56,820,000</td>
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<tr>
<td>9 - Construct Freeway on New Location</td>
<td></td>
<td>5 - Construct Freeway on New Location</td>
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<td>81.11</td>
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<tr>
<td>10 - Construct Freeway on New Location</td>
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<td>11 - Construct Freeway on New Location</td>
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<td>7.20</td>
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<td>81.11</td>
<td>56,820,000</td>
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<td>12 - Ramp Metering</td>
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<td>7.20</td>
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<th>Description</th>
<th>Category</th>
<th>TIP</th>
<th>Date / Fiscal Year</th>
<th>Length (Miles)</th>
<th>Score</th>
<th>County(s)</th>
<th>Division(s)</th>
<th>Cost to NCDOT (2020-2029)</th>
<th>Specific Improvement Type</th>
<th>Details</th>
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</table>
| US 15-501 Interchange | Upgrade interchange involving Mont Mount Road and South Durham Drive. | 7 - Upgrade Arterial | H149001-C | Highway U-5304C Statewide | 0.00 | 76.36 | Orange | 07 Guilford | $22,200,000 ($16,000,000 FY 2026, $6,200,000 FY 2028) | 1200 - Aircraft Apron Requirements | 6 - Improve Interchange  
Upgrade Interchange area to improve safety and reduce congestion and delay. This includes ramp closures and consolations. Includes ramp closures and consolations. |
| GSO - Taxiway J | Improve interchange area to improve safety and reduce congestion and delay. This includes ramp closures and consolations. Includes ramp closures and consolations. | 8 - Improve Interchange | H149001-B | Highway U-5304B Statewide | 0.00 | 76.36 | Orange | 07 Guilford | $33,000,000 ($33,000,000 FY 2026, $33,000,000 FY 2028) | 8100 - Taxiway Ext | 8 - Improve Interchange  
Upgrade interchange area to improve safety and reduce congestion and delay. This includes ramp closures and consolations. Includes ramp closures and consolations. |
| NC 54 / US 15/501 (Manor Road) | Upgrade interchange involving Manor Road and South Columbia Street. | 7 - Upgrade At-Grade | H149001-A | Highway U-5304A Statewide | 0.00 | 76.36 | Orange | 07 Guilford | $37,800,000 ($37,800,000 FY 2026, $37,800,000 FY 2028) | 8100 - Taxiway Ext | 8 - Improve Interchange  
Upgrade interchange area to improve safety and reduce congestion and delay. This includes ramp closures and consolations. Includes ramp closures and consolations. |
| US 29 Gate City Blvd Summit Hills | Improve interchange at US 29 Gate City Blvd. | 6 - Improve Access | H171956 Rail P-5735 Statewide | Rail PR-5735 Statewide | 0.00 | 76.47 | Orange | 07 Guilford | $1,936,000 ($1,936,000 FY 2025, $1,936,000 FY 2026) | - | 8 - Improve Access  
Construct additional right turn lane from NS Main Line to Westbound I-40 ramp to Southbound Huffman Mill Road and Improve intersection operations (additional right turn lane Southbound Huffman Mill) at Garden Street Intersection. |
| GSO - Piedmont - Triad International Airport | Improve Interchange and enlarge Taxiway D. | 6 - Improve Access | H172025 Highway I-6009 Statewide | Highway I-6009 Statewide | 0.00 | 81.91 | Orange | 07 Guilford | $15,390,000 ($15,390,000 FY 2025, $15,390,000 FY 2027) | - | 6 - Improve Access  
Construct additional right turn lane from NS Main Line to Westbound I-40 ramp to Southbound Huffman Mill Road and Improve intersection operations (additional right turn lane Southbound Huffman Mill) at Garden Street Intersection. |
| GSO - Piedmont - Triad International Airport | Improve Interchange and enlarge Taxiway D. | 6 - Improve Access | H171956 Rail P-5735 Statewide | Rail PR-5735 Statewide | 0.00 | 81.94 | Orange | 07 Guilford | $5,500,000 ($5,500,000 FY 2025, $5,500,000 FY 2026) | - | 6 - Improve Access  
Construct additional right turn lane from NS Main Line to Westbound I-40 ramp to Southbound Huffman Mill Road and Improve intersection operations (additional right turn lane Southbound Huffman Mill) at Garden Street Intersection. |
| NC 54 / US 15/501 (South Columbia St) | Improve interchange at NC 54 / US 15/501 (South Columbia St). | 6 - Improve Access | H149001-A | Highway U-5304A Statewide | 0.00 | 76.47 | Orange | 07 Guilford | $33,300,000 ($33,300,000 FY 2026, $33,300,000 FY 2028) | 8100 - Aircraft Apron Requirements | 8 - Improve Interchange  
Construct additional right turn lane from NS Main Line to Westbound I-40 ramp to Southbound Huffman Mill Road and Improve intersection operations (additional right turn lane Southbound Huffman Mill) at Garden Street Intersection. |
| US 29 Gate City Blvd Summit Hills | Improve interchange at US 29 Gate City Blvd. | 6 - Improve Access | H171956 Rail P-5735 Statewide | Rail PR-5735 Statewide | 0.00 | 76.47 | Orange | 07 Guilford | $37,800,000 ($37,800,000 FY 2026, $37,800,000 FY 2028) | 8100 - Aircraft Apron Requirements | 6 - Improve Access  
Construct additional right turn lane from NS Main Line to Westbound I-40 ramp to Southbound Huffman Mill Road and Improve intersection operations (additional right turn lane Southbound Huffman Mill) at Garden Street Intersection. |
| NC 54 / US 15/501 (South Columbia St) | Improve interchange at NC 54 / US 15/501 (South Columbia St). | 6 - Improve Access | H149001-A | Highway U-5304A Statewide | 0.00 | 76.47 | Orange | 07 Guilford | $37,800,000 ($37,800,000 FY 2026, $37,800,000 FY 2028) | 8100 - Aircraft Apron Requirements | 6 - Improve Access  
Construct additional right turn lane from NS Main Line to Westbound I-40 ramp to Southbound Huffman Mill Road and Improve intersection operations (additional right turn lane Southbound Huffman Mill) at Garden Street Intersection. |
| US 29 Gate City Blvd Summit Hills | Improve interchange at US 29 Gate City Blvd. | 6 - Improve Access | H171956 Rail P-5735 Statewide | Rail PR-5735 Statewide | 0.00 | 76.47 | Orange | 07 Guilford | $37,800,000 ($37,800,000 FY 2026, $37,800,000 FY 2028) | 8100 - Aircraft Apron Requirements | 6 - Improve Access  
Construct additional right turn lane from NS Main Line to Westbound I-40 ramp to Southbound Huffman Mill Road and Improve intersection operations (additional right turn lane Southbound Huffman Mill) at Garden Street Intersection. |
| NC 54 / US 15/501 (South Columbia St) | Improve interchange at NC 54 / US 15/501 (South Columbia St). | 6 - Improve Access | H149001-A | Highway U-5304A Statewide | 0.00 | 76.47 | Orange | 07 Guilford | $37,800,000 ($37,800,000 FY 2026, $37,800,000 FY 2028) | 8100 - Aircraft Apron Requirements | 6 - Improve Access  
Construct additional right turn lane from NS Main Line to Westbound I-40 ramp to Southbound Huffman Mill Road and Improve intersection operations (additional right turn lane Southbound Huffman Mill) at Garden Street Intersection. |
| US 29 Gate City Blvd Summit Hills | Improve interchange at US 29 Gate City Blvd. | 6 - Improve Access | H171956 Rail P-5735 Statewide | Rail PR-5735 Statewide | 0.00 | 76.47 | Orange | 07 Guilford | $37,800,000 ($37,800,000 FY 2026, $37,800,000 FY 2028) | 8100 - Aircraft Apron Requirements | 6 - Improve Access  
Construct additional right turn lane from NS Main Line to Westbound I-40 ramp to Southbound Huffman Mill Road and Improve intersection operations (additional right turn lane Southbound Huffman Mill) at Garden Street Intersection. |
<table>
<thead>
<tr>
<th>Route / Facility Name</th>
<th>County(s)</th>
<th>Description</th>
<th>Length (Miles)</th>
<th>Division(s)</th>
<th>Specific Improvement Type</th>
<th>Improvement Type</th>
<th>Score</th>
<th>SR/UTI Mode</th>
<th>TIP Project Title for Aviation</th>
<th>From / Cross Street (Project SPOT ID)</th>
<th>Construction Cost</th>
<th>Construction Date</th>
<th>Status</th>
<th>Score Date</th>
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<tr>
<td>I-85 widening</td>
<td>Orange, Durham</td>
<td>Widen existing roadway by constructing four managed lanes (two in each direction) – includes the cost of the I-277 (Belk Freeway) interchange.</td>
<td>10.13</td>
<td>09, 07 Forsyth, Guilford</td>
<td>1 - Widen Existing Roadway</td>
<td>Capacity Improvement</td>
<td>89.25</td>
<td>Hwy 15</td>
<td>I-5981 - CLT - North Parallel Runway Conversion</td>
<td>I-85 West of SR 1006 (Orange Grove Road)</td>
<td>$155,705,540</td>
<td>FY 2025 - FY 2028</td>
<td>Statewide Mobility</td>
<td>After 2029</td>
</tr>
<tr>
<td>US 421 widening</td>
<td>Forsyth, Guilford</td>
<td>Widen existing freeway by constructing four managed lanes (two in each direction) – includes the cost of the I-277 (Belk Freeway) interchange.</td>
<td>6.69</td>
<td>09, 07 Forsyth, Guilford</td>
<td>1 - Widen Existing Roadway</td>
<td>Capacity Improvement</td>
<td>89.36</td>
<td>Hwy 15</td>
<td>I-5981 - CLT - West Ramp Expansion</td>
<td>US 421 &amp; I-85 Business/US 421</td>
<td>$551,440,000</td>
<td>FY 2024 - FY 2026</td>
<td>Statewide Mobility</td>
<td>FY 2025</td>
</tr>
<tr>
<td>Park Road to Polk Street in Pineville</td>
<td>Mecklenburg</td>
<td>Construct improvements at the I-77/I-85 system interchange. Construct two elevated flyovers ramps from I-85 NB to I-77 NB and I-85 SB to I-77 SB.</td>
<td>2.00</td>
<td>10 Mecklenburg</td>
<td>8 - Improve Interchange</td>
<td>Capacity Improvement</td>
<td>88.45</td>
<td>Hwy 15</td>
<td>I-5718A - CLT - Park Road to Polk Street in Pineville</td>
<td>I-77 South Carolina State Line/US 74 (Belk Freeway) [Exit 9]</td>
<td>$82,000,000</td>
<td>FY 2023 - FY 2025</td>
<td>Statewide Mobility</td>
<td>FY 2023</td>
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<tr>
<td>NC 74/NC 51 (Andrew Jackson Highway)</td>
<td>Anson</td>
<td>Construct a median divided two-lane roadway with a signalized access point at Park Road to Polk Street in Pineville.</td>
<td>0.50</td>
<td>10 Mecklenburg</td>
<td>8 - Improve Interchange</td>
<td>Capacity Improvement</td>
<td>85.64</td>
<td>Hwy 15</td>
<td>I-5718A - CLT - Park Road to Polk Street in Pineville</td>
<td>NC 74/NC 51 (Andrew Jackson Highway)</td>
<td>$4,500,000</td>
<td>FY 2025 - FY 2026</td>
<td>Statewide Mobility</td>
<td>FY 2026</td>
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<tr>
<td>I-485/NC 51 (Andrew Jackson Highway)</td>
<td>Mecklenburg</td>
<td>Construct improvements at the I-485/NC 51 interchange (Exit 64) and also making operational improvements along NC 51 between Park Road and Polk Street in Pineville.</td>
<td>2.00</td>
<td>10 Mecklenburg</td>
<td>8 - Improve Interchange</td>
<td>Capacity Improvement</td>
<td>88.38</td>
<td>Hwy 15</td>
<td>I-5718A - CLT - Park Road to Polk Street in Pineville</td>
<td>I-485/NC 51 (Andrew Jackson Highway)</td>
<td>$66,000,000</td>
<td>FY 2024 - FY 2026</td>
<td>Statewide Mobility</td>
<td>FY 2023</td>
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<tr>
<td>I-485/NC 51 (Andrew Jackson Highway)</td>
<td>Mecklenburg</td>
<td>Construct an at-grade intersection with a median divided two-lane roadway with a signalized access point at Park Road to Polk Street in Pineville.</td>
<td>0.50</td>
<td>10 Mecklenburg</td>
<td>8 - Improve Interchange</td>
<td>Capacity Improvement</td>
<td>85.34</td>
<td>Hwy 15</td>
<td>I-5718A - CLT - Park Road to Polk Street in Pineville</td>
<td>I-485/NC 51 (Andrew Jackson Highway)</td>
<td>$4,500,000</td>
<td>FY 2026 - FY 2027</td>
<td>Statewide Mobility</td>
<td>FY 2026</td>
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<tr>
<td>I-485/NC 51 (Andrew Jackson Highway)</td>
<td>Mecklenburg</td>
<td>Construct a median divided two-lane roadway with a signalized access point at Park Road to Polk Street in Pineville.</td>
<td>0.50</td>
<td>10 Mecklenburg</td>
<td>8 - Improve Interchange</td>
<td>Capacity Improvement</td>
<td>85.64</td>
<td>Hwy 15</td>
<td>I-5718A - CLT - Park Road to Polk Street in Pineville</td>
<td>I-485/NC 51 (Andrew Jackson Highway)</td>
<td>$4,500,000</td>
<td>FY 2027 - FY 2028</td>
<td>Statewide Mobility</td>
<td>FY 2027</td>
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</table>

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### DRAFT Prioritization 5.0 Programmed Statewide Mobility Projects
Projects Sorted by Division (ascending), then Score (descending)

**April 2, 2018**

<table>
<thead>
<tr>
<th>SPOT ID</th>
<th>Mode</th>
<th>TIP</th>
<th>Project Category</th>
<th>Route / Facility Name</th>
<th>From / Cross Street (Project Title for Aviation)</th>
<th>To</th>
<th>Description</th>
<th>Specific Improvement Type</th>
<th>Length (Miles)</th>
<th>Division(s)</th>
<th>County(s)</th>
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<th>Cost to NCDOT (2020-2029)</th>
<th>Draft Right-of-Way Date</th>
<th>Draft Construction Date</th>
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<td>H171432</td>
<td>Highway</td>
<td>I-6016</td>
<td>Statewide Mobility</td>
<td>I-85</td>
<td>I-85 west of Charlotte</td>
<td></td>
<td>This project is intended to make improvements to the I-485/I-85 interchange in west Charlotte. The interchange currently experiences high levels of congestion and poor operations. Targeted improvements are to the I-485 inner to I-85 southbound movement.</td>
<td>6 - Improve Interchange</td>
<td>2.00</td>
<td>Mecklenburg</td>
<td>82.69</td>
<td>$12,700,000</td>
<td>$12,700,000</td>
<td>FY 2025</td>
<td>FY 2026</td>
<td>Statewide Mobility</td>
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<tr>
<td>R171151</td>
<td>Rail</td>
<td>P-0744</td>
<td>Statewide Mobility</td>
<td>CSX SF Line</td>
<td>SR 1377 (Wesley Chapel Stadium Road)</td>
<td></td>
<td>Construct grade separation of SR 1377 (Wesley Chapel Stadium Road) and closure of existing at-grade crossing (Crossing # 63192) to enhance Stouts Rd/SF usage in Indian Trail.</td>
<td>High-way-rail crossing improvement</td>
<td>0.00</td>
<td>10</td>
<td>Union</td>
<td>82.30</td>
<td>$10,000,000</td>
<td>$10,000,000</td>
<td>FY 2025</td>
<td>FY 2027</td>
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<tr>
<td>A170366</td>
<td>Aviation</td>
<td>AV-9881</td>
<td>Statewide Mobility</td>
<td>CLT - Charlotte Douglas International Airport</td>
<td>CLT - West Ramp Expansion Phase II</td>
<td></td>
<td>Design and construct the remaining portion of the ramp for Concourse A Expansion Phase II. (3668)</td>
<td>1200 - Aircraft Apron (Hangar Requirements)</td>
<td>10</td>
<td>Mecklenburg</td>
<td>81.39</td>
<td>$500,000</td>
<td>$500,000</td>
<td>FY 2027</td>
<td>Statewide Mobility</td>
<td></td>
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<tr>
<td>H171445</td>
<td>Highway</td>
<td>U-6103</td>
<td>Statewide Mobility</td>
<td>US 74 (Independence Boulevard), NC 27</td>
<td>US 74 (Independence Blvd)</td>
<td></td>
<td>Construct an additional managed lane in the median. The U-5036 project will convert the existing busway to a managed lanes facility with reversible operations depending on the peak traffic flow. This project will allow for two-way managed lane operations at all times.</td>
<td>1 - Widen Existing Roadway</td>
<td>3.50</td>
<td>10</td>
<td>Mecklenburg</td>
<td>76.64</td>
<td>$76,800,000</td>
<td>$61,150,000</td>
<td>FY 2025</td>
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<td>H171440</td>
<td>Highway</td>
<td>I-6017</td>
<td>Statewide Mobility</td>
<td>I-85</td>
<td>SR 2472 (Bullard Creek Church Road)</td>
<td></td>
<td>Construct two additional constrained loops within the interchange.</td>
<td>6 - Improve Interchange</td>
<td>2.00</td>
<td>10</td>
<td>Mecklenburg</td>
<td>78.48</td>
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<tr>
<td>H171671</td>
<td>Highway</td>
<td>I-6019</td>
<td>Statewide Mobility</td>
<td>NC 49 (South Tryon Street)</td>
<td>NC 49 (South Tryon Street)</td>
<td></td>
<td>This project is intended to improve the interchange at I-485/NC 49 (Ext 1) in southwest Charlotte. Additional improvements will be needed along NC 49 between Amwood Road and Westinghouse Boulevard to reduce congestion and improve traffic operations in this area. Division 10 is open to alternative solutions.</td>
<td>6 - Improve Interchange</td>
<td>2.00</td>
<td>10</td>
<td>Mecklenburg</td>
<td>78.39</td>
<td>$41,100,000</td>
<td>$12,100,000</td>
<td>FY 2028</td>
<td>After 2029</td>
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<tr>
<td>H171804</td>
<td>Highway</td>
<td>I-6022</td>
<td>Statewide Mobility</td>
<td>I-277</td>
<td>North Davidson Street</td>
<td></td>
<td>This project will upgrade numerous interchanges and ramps along the I-277 Loop in Uptown Charlotte to improve safety, mobility and capacity. The project shall also include associated work along US 74 east to roughly Pecan Avenue and the US 74/277 interchange. Improvements shall be consistent with those specified in NCDOT Feasibility Study FS-1810A. Division 10 is open to alternative solutions.</td>
<td>8 - Improve Interchange</td>
<td>2.00</td>
<td>10</td>
<td>Mecklenburg</td>
<td>77.92</td>
<td>$221,100,000</td>
<td>$180,250,000</td>
<td>FY 2025</td>
<td>FY 2027</td>
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<td>8</td>
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<td>$12,000,000 FY 2028 FY 2029</td>
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<td>Statewide Mobility</td>
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<td>Watauga</td>
<td>11</td>
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<td>$1,500,000 FY 2025 FY 2026</td>
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<td>H171760</td>
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<td>Watauga</td>
<td>11</td>
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<td>H171761</td>
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<td>Watauga</td>
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<td>10</td>
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<td>$2,000,000 FY 2025 FY 2024</td>
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<td>H141339-A</td>
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<td>Statewide Mobility</td>
<td>1</td>
<td>Cleveland, Gaston</td>
<td>12</td>
<td>10</td>
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<td>$143,400,000 FY 2024 FY 2025</td>
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| Note: The Feasibility Study for the NC 16 corridor (FS-1510A) has revealed that the DDI would have a better LOS if the following intersection improvements were completed at the intersection of NC 16 and N. Hoskins Road: Northeast approach of N.Hoskins Road: Construct a dedicated right turn lane NC 16 : construct dedicated right turn lanes in both approaches. CRTPO and Division 10 Agree on scope of this project.

Draft Prioritization 5.0 Programmed Statewide Mobility Projects
Projects Sorted by Division (ascending), then Score (descending)

DRAFT: SUBJECT TO CHANGE

Data subject to change based on continued evaluation Data and costs are for prioritization purposes only

April 2, 2018
* R-5753
STATEWIDE PROJ.CATEGORY EXEMPT

VARIOUS, 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.

PROJECT MODIFIED TO REFLECT CURRENT FUNDING LEVELS.

STIP/MPO TIP Modifications # 18-4 (April 2018)

STATEWIDE PROJECT CONSTRUCTION

FY 2018 - $9,812,000 (FLTP)
FY 2019 - $1,794,000 (ERFO)
FY 2019 - $9,955,000 (FLTP)
FY 2020 - $35,062,000 (FLTP)
$56,623,000
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 March:

Current Activities
- The project team continues to coordinate and correspond with project stakeholders.
- Studies for the Traffic Noise Analysis and Air Quality Analysis are ongoing.
- The draft Traffic Capacity Analysis has been reviewed by NCDOT and is being revised by the project team.
- The project team continues preparation of the Draft Environmental Impact Statement (DEIS).
- The project team is currently coordinating with NCDOT on design refinements for the detailed study alternatives.

Upcoming Activities
- The project team will revise designs per NCDOT comments and include any design revisions necessary upon finalization of the Traffic Capacity Analysis.
- A newsletter will be sent to notify citizens of the remaining alternatives under study.

Past Activities
- The NEPA/Section 404 Merger Team reached concurrence on 11/30/17 to eliminate Alternatives C, F, P, G, J, and V Freeway. Alternatives B, Q, T, M Avoidance, N Avoidance, and V Widening will be carried forward for detailed study in the DEIS.
- The update to the Natural Resources Technical Report was finalized on 9/19/17.
- The Essential Fish Habitat Assessment was finalized on 9/01/17.
- Right-of-Way cost estimates and relocation reports have been completed.
- The project team received final concurrence from the NEPA/Section 404 Merger Team on Concurrence Point 2A – “Bridging Decisions and Alignment Review” on 8/17/17.
- The NEPA/Section 404 Merger Team reached Concurrence Point 2A – “Bridging Decisions and Alignment Review” on 5/30/17.
- The project team received final concurrence from the State Historic Preservation Office on 5/26/17 regarding Section106 effects on historic resources in the project study area.
- The project team presented the status of the project and preliminary alternative impact analysis results to the WMPO TAC on 3/29/17.
- The Archaeological Predictive Model Update was finalized on 2/13/17.
- The NEPA/Section 404 Merger Team reached Concurrence Point 1 – “Purpose and Need and Study Area Defined” on 12/12/13; the NEPA/Section 404 Merger Team reached Concurrence Point 2 – “Detailed Study Alternatives Carried Forward” on 2/10/14.
- Technical documents that have been finalized are available on the project website under “Project Documents.”

Contact Information
NCDOT – John Conforti, jgconforti@ncdot.gov, 919.707.6015; AECOM – Joanna Rocco, joanna.rocco@aecom.com, 919.239.7179; Website: http://www.ncdot.gov/projects/capefear/; Email: capefear@ncdot.gov; Hotline: 1.800.233.6315
**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. The plan update has been branded as Cape Fear Moving Forward 2045.

The Cape Fear Moving Forward 2045 Kick-Off Event was held April 3, 2018 from 4-6pm at the NHC Northeast Library. There were approximately 35 people in attendance and the event was covered by multiple media outlets. Remarks were given by Pat Batleman, WMPO Board Vice Chairwoman; Ron Lucas from FHWA; and Laura Padgett, CAC Chairwoman.

Next Steps:
- Present to the Local Members Boards in April
- Regional open houses scheduled for May in Carolina Beach, Leland, Hampstead, and Wilmington
- Modal subcommittees to convene in early summer and begin preparations for project lists, scoring, and ranking.
- Adoption in November 2020

**Leland Street Design Standards Manual**

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

Next Steps:
- The Town continues to review the document
- Hold a meeting with the development community to discuss the planning effort
- Continue to update the guidelines/manual per guidance from the Town of Leland

**Northeast New Hanover County Future Street Plan**

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

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

- New Hanover County Development Plan Reviews: 9 reviews
- New Hanover County Informal Plan Reviews: 3 reviews
- New Hanover Concept Reviews: 3 reviews
- Town of Leland Formal Reviews: 4 reviews
- Town of Leland Informal Reviews: 0 reviews
- Town of Navassa Formal Reviews: 0 reviews
- Town of Navassa Informal Reviews: 0 reviews
- Town of Navassa Concept Reviews: 0 reviews
- Town of Carolina Beach Formal Reviews: 0 reviews
- Town of Carolina Beach Informal Reviews: 0 reviews
- Brunswick County Formal Plan Reviews: 0 reviews
- Brunswick County Informal Plan Reviews: 0 reviews
- TIA Reviews: 10 total (New Hanover County 2, City of Wilmington 7, Carolina Beach 0, Leland 0, Navassa 1, and Pender County 0) new 2 and ongoing 8
- Pender County Development Plan Reviews: 8 reviews
- Pender County Informal Plan Reviews: 2 reviews
- Pender County Concept Reviews: 0 reviews
- City of Wilmington Formal Reviews: 61 (9 new, 52 on-going)
- City of Wilmington Informal Reviews: 16 (2 new, 14 on-going)
- City of Wilmington Concept Reviews: 14 (10 new concept reviews- 4 on-going concept)
- COW Project Releases: 10 Full releases

STBGP-DA

U-5534B - CITY OF WILMINGTON- HEIDI TRASK DRAWBRIDGE
Project Descriptions/Scope: This project consists of construction of a public walkway/pier underneath the Heidi Trask Drawbridge to provide for a safe crossing for cyclists and pedestrians across US 74 (Wrightsville Avenue) on the mainland side of the drawbridge in Wilmington.

Project Status and Next Steps:
- Construction contract awarded to Intercoastal Marine, LLC
- Additional funds approved by the City on September 5, 2017
- Additional modifications being made to the structure to span AT&T locations
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:
- 100% plan comments sent back to Engineer
- Specifications comments sent back to Engineer
- R/W acquisition completed Spring 2018
- Bidding anticipated in Summer 2018

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:
- Revised 90% plans/ROW plans and project schedule submitted to NCDOT on January 24, 2018
- The Town is working to complete a Supplemental Agreement with NCDOT
- NCDOT to determine project ownership
- Construction contract let is anticipated June 20, 2018

U-5534E - TOWN OF CAROLINA BEACH - ISLAND GREENWAY AND HARPER AVENUE BIKE LANES

Project Descriptions/Scope: This project is for the design and construction of an off-road multi-use path that begins at Mike Chappell Park and winds along the existing cleared fire path and terminates at Alabama Avenue and the Harper Avenue bike lanes will consist of a bicycle boulevard on existing pavement on each side of Harper Avenue from Dow Road to Lake Park Boulevard. The Town desires to combine the project with the awarded 2014 STP-DA project. Contract documents have been approved and are being finalized for advertisement. Initial funding has been approved by the Board and FHWA.

Project Status and Next Steps:
- The project is under construction

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

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

Project Status and Next Steps:
- Plans and Technical specifications have been resubmitted to NCDOT for review
- The City has received the proposed Supplemental Agreement from NCDOT for $240,000
- A supplemental agreement was approved in March by the City Council and is being routed for signatures
- Anticipated Let Date: To be determined once bid package approved
U-5534S (Formerly U-5534M)- Coral Drive Sidewalks
Project Descriptions/Scope: The construction of sidewalks along Coral Drive will install approximately 954 feet of 5 foot wide sidewalk on Coral Drive adjacent to Wrightsville Beach Elementary. The Town hired SEPI to complete the design.

Project Status and Next Steps:
• 65% plans complete.
• Awaiting final plans
• Anticipated Let Date: Summer 2018

U-5534H – 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:
• The City has provided the executed revised scope and amendment to McKim & Creed.
• Issues with the plans continue to exist. McKim & Creed is working on revising the plans.
• Anticipated Let Date of Fall 2018

U-5534G –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:
• The City has provided the executed revised scope and amendment to McKim & Creed.
• Issues with the plans continue to exist. McKim & Creed is working on revising the plans.
• Anticipated Let Date of Fall 2018

U-5534K –LELAND MIDDLE SCHOOL SIDEWALK
Project Descriptions/Scope: The construction of 5 foot wide concrete sidewalk adjacent to Old Fayetteville Road from Ricefield Branch Rd to the US Hwy 74/76 overpass after Glendale Drive with connections to Leland Middle School and the surrounding neighborhoods.

Project Status and Next Steps:
• 90% plans reviewed by NCDOT. Comments are being addressed.
• Right of way Certification-TBD
• Encroachment agreement will be needed once right-of-way is finalized
• Let date will be delayed to match up with “J” project.

U-5534J –OLD FAYETTEVILLE LOOP ROAD PEDESTRIAN LOOP
Project Descriptions/Scope: The construction of 5 foot wide sidewalks in three locations: along Village Road from Town Hall Drive going southeast to the existing sidewalk in front of the apartment complex, along Town Hall Drive from Village Road NE to the sidewalk currently under construction by the new Town Hall, and along Old Fayetteville Road from the existing sidewalk in front of the apartment complex to Village Road NE.

Project Status and Next Steps:
• The Leland Town Council approved a scope change at their July 2017 meeting
• 90% plans reviewed by NCDOT. Comments being addressed.
• Right of way acquisition underway

**U-5534I –VILLAGE ROAD MULTI-USE PATH EXTENSION**

**Project Descriptions/Scope:** The construction of a 10 foot wide asphalt multi-use path routed across Perry Ave, behind the library, out to Village Road, down Village Road ending on the western edge of the First Baptist Church property before the Sturgeon Creek Bridge.

**Project Status and Next Steps:**
- 90% plans reviewed by NCDOT. Comments are being addressed.
- 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.

**SHIPYARD BOULEVARD SIDEWALK**

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

**Project Status and Next Steps:**
- 100% plans approved by NCDOT
- A request for additional funds was approved at the April 3rd City Council meeting. A resolution will be considered on the April TCC and MPO Board meetings for these additional funds.
- Anticipated let date Summer 2018

**U-5534O Cape Fear Blvd Multi-Use Path**

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

**Project Status and Next Steps:**
- Bids were opened January 23, 2018.
- Additional funds were approved by the MPO. The Town is moving forward with NCDOT on a supplemental agreement.
- Construction to start once additional funds are received

**U-5534Q –S. College/Holly Tree Crosswalks**

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

**Project Status and Next Steps:**
- The City will provide additional survey regarding the drainage conflicts – survey update 95% complete
- The project has been put on hold until NCDOT’s resurfacing project moves forward.
U-5534T – Traffic Signal Preemption
Project Description/Scope: This project will install traffic pre-emption equipment at 27 locations throughout the City of Wilmington and GPS devices on fire apparatus.

Project Status and Next Steps:
• 10% design completed

U-5534U – Navassa Park Multi-Use Path
Project Description/Scope: This project will construct bike lanes on both sides of Brooklyn Street, a multi-use path connecting Brooklyn Street to the Navassa Park, and a multi-use path through the Navassa Park forming a loop within the park.

Project Status and Next Steps:
• Scoping meeting held with NCDOT
• PE funds were released at the December 2017 Board of Transportation meeting
• PE Advertisement to close on March 15, 2018

TASA-DA

U-5527B CITY OF WILMINGTON – 5th AVE INTERSECTION UPGRADES
Project Descriptions/Scope: This project is for the construction of high visibility crosswalks, curb ramps, and pedestrian activated signals on 5th Ave at the Dawson Street and Wooster Street intersections.

Project Status and Next Steps:
• A supplemental agreement for additional funding was approved by the Wilmington City Council on September 5, 2017.
• The supplemental agreement was approved by the Board of Transportation
• The project is over budget. The city will try to rebid this project with the Gregory/Williston Safe Routes to School project.

U-5527C NEW HANOVER COUNTY – MIDDLE SOUND GREENWAY – EXTENSION TO MIDDLE SOUND VILLAGE
Project Descriptions/Scope: This project is for the construction of a multi-use path along Middle Sound Loop Road from Oyster Lane to the Middle Sound Village property line.

Project Status and Next Steps:
• New Hanover County has selected Davenport Engineering to complete the design.
• Davenport manhour estimate has been approved by NCDOT
• New supplemental agreement signed allowing for additional funding and time extension to December 31, 2019

U-5527D HARPER AVE. MULTI-USE PATH
Project Descriptions/Scope: The construction of approximately 2104 linear feet of 10’ wide paved multi-use path along Harper Ave. from Dow Road to 6th Street

Project Status and Next Steps:
• NCDOT Agreement is in place
• PE funds authorized August 2, 2016
• Draft LOI for PE Services submitted and being revised by the Town
• Advertisement of PE Services is anticipated in early Summer 2018
• Anticipated let date Spring 2019

TRANSPORTATION DEMAND MANAGEMENT PROGRAM
Project Description/Scope: UNCW is taking the role as lead employer for the Cape Fear region. The WMPO will coordinate with UNCW to work with other major employers in the region to identify opportunities for public outreach, marketing, carpooling, vanpooling, alternative/compressed work schedules, Emergency Guaranteed Ride Home, park and ride lots, etc. The MPO adopted “Work Cape Fear: Expanding Commuter Options in the Cape Fear Region” TDM Short Range Plan on January 28, 2015 and also authorized staff to apply for a TDM grant through NCDOT that if approved would fund a full-time TDM Coordinator position. The Agreement with NCDOT for the full-time TDM Coordinator position was approved on November 4, 2015. The TDM Coordinator position is currently vacant with the position closing on March 3rd. The MPO held a bike share meeting to discuss the bike-share concept.

Next Steps:
• Continue to work with Pulsar on the development of the Go Coast strategic marketing plan. A meeting will be held on May 3, 2018
• Analyze data and results from the Go Coast Commuter Challenge and develop presentations to various groups reflecting our success
• Gather model alternative work schedule policies from various regional employers to be highlighted in the statewide initiative to showcase model alternative work schedules
• Schedule lunch and learns/presentations with area employers to promote Go Coast program
• Partner with large employers to determine vanpool options
• Partner with UNCW, Cape Fear Community College, and New Hanover Regional Medical Center to explore carpool matching options and guaranteed ride home strategies
• Coordinate with employers to implement 2 additional vanpool programs and potential Park & Ride lot locations
• Conduct Bike Share interviews
REGIONAL AUTHORITY PROJECTS

1. **Bus fleet replacement** - identifying state and federal funding opportunities to replace eleven thirty-five foot buses, two trolleys, and three shuttles. The Authority has applied for funding from a nationwide discretionary grant program from Federal Transit and is working with the WMPO, City of Wilmington and NCDOT to identify opportunities regarding the allocation of $92M in VW settlement funding.

2. **Short Range Transportation Plan** - 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/](https://www.wavetransit.com/short-range-transit-plan/). Changes to the Wave Transit routes based on recommendations from the consultant will be developed over the summer and fall with implementation in late 2018 to coincide with the opening of the Wilmington Multimodal Transportation Center.

3. **Long Term Funding** - currently, the Authority does not have a dedicated source of local funding. A consultant led study to evaluate the governing model and long term funding for transit in the region has been commissioned by the City of Wilmington and New Hanover County. TransPro Consulting has been retained to undertake the effort.

4. **Shelter Program** - a program to replace and add up to 50 bus shelters and 25 benches at bus stops is underway. Construction of the first eight shelters is complete. Phase two, consisting of 12 shelters and 15 benches is currently under construction. Phase three
consisting of super stops at Hanover Center, and Monkey Junction is in the engineering and permitting phase.
Wave Transit is in discussion with the owners of Independence Mall to include transit improvements in coordination with redevelopment of the property.

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.
   Phase 1 consisting of hazardous materials abatement and demolition is complete.
   Phase 2 consisting of building stabilization is complete.
   Phase 3 consisting of renovation construction was let for bidding on February 14, 2018. Bids for Phase 3 were opened on March 13, 2018. On March 22, 2018, the Authority resolved to reject all bids due to the lowest bid exceeding available funds for the project. The Authority is developing plans to move the project forward.

2. Preventive Maintenance & ADA - STBGP-DA funding in the amount of $510,778 for preventive maintenance and ADA service throughout the region was approved by the WMPO in 2016. The process of flexing the funds from FHWA to FTA is complete and a grant for the funding has been submitted to FTA. The funds will assist the Authority in maintaining its fleet of fixed route buses and FTA funded facilities to meet the FTA State of Good Repair Requirement. The preventive maintenance funding will ensure that Wave Transit vehicles are safe, reliable, and provide a positive and comfortable experience on Wave Transit routes throughout the region. Americans with Disabilities Act (ADA) compliance utilized under the funding will be used to offset the cost of providing complementary ADA service for passengers unable to access Wave Transit fixed routes. Paratransit services provided under the WMPO authorized funding include specialized origin to destination van service. In February 2018 the Authority provided 1,464 ADA passenger trips. The period of performance for the project is 07/01/2017 through 06/30/2018.

3. Replacement CNG Buses - (no change) In February 2017 the WMPO appropriated $744,000 in FHWA funding for two replacement CNG buses. The Authority has a contract for the vehicles with Gillig, LLC. A purchase order for the buses was approved by the Authority on June 22, 2017. Local matching funds have been appropriated by the City of Wilmington. The estimated delivery date is May 2018 for both vehicles.
April 6, 2018

WMPO Project Update List

Project Update List for New Hanover County

Projects Under Construction

**Contract C203922: Greenfield Lake:** Realign and upgrade intersection at SR 1436/US 421 and SR 1140 (Burnett Blvd.) south of Willard Street.
Original traffic pattern open December 2017

- Contractor has completed the culvert.
- Full intersection opened to Traffic
- Sewer line work away from traffic remains.
- Contractor working on punch list items.
- Punch list completion tentatively end of February

Contractor: Mountain Creek Contractors Inc.
Bid Amount: $3,156,247.36
Completion Date: February 28, 2018
Percent Complete: **100.0%**

**R-2633 BA – (Wilmington Bypass: C203199)** construct a 4-lane divided highway from US 74/76 (near Malmo) to SR 1430 (Cedar Hill Road).
Open to traffic on December 18, 2017.
Work will continue to Mt. Misery and Cedar Hill Road until Spring of 2018.
Roadway:
- Working on guardrail/guiderail.
- Working on grading approach slabs for last incomplete structures on mainline.
Contractor: Barnhill Contracting
Estimated Completion Date: June 2018
Percent Complete: **88.6%**

**R-2633 BB – (Wilmington Bypass: Bridge over Cape Fear River: C203198)** construct a 4-lane divided highway from SR 1430 (Cedar Hill Road) to US 421 (where I-140 currently ends in New Hanover County...this includes the large bridge over the Cape Fear River).
Open to traffic on December 18, 2017.
- 90% complete on the roadway portion of the project.
Contractor: Balfour Beatty Infrastructure
Estimated Completion Date: June 2018
Percent Complete: **99.7%**
B-5103: (C203540) replace bridge #35 over the abandoned railroad on SR 1627 (3rd Street), in Wilmington.
Bid Amount: $4,640,453.87
Percent Complete: 99.9%. Waiting on final estimate.

U-3338B: (C203772) Widening of Kerr Ave. from Randall Parkway to MLK, Jr. Prkwy. Installing storm drain throughout project, and grading Multi-Use Path at Kerr and Randall Prkwy. Multi-Use path at Kerr Ave. and Randall Prkwy. is paved.
• Mast arm for traffic signal has been installed at Kerr Ave. and Randall Prkwy.
Contractor: Sealand Contractors Corp.
Bid Amount: $22,000,000.58
Estimated Completion date: November 2018
Percent Complete: 62.9%

B-5236: (C203957) Replace Bridge #19 over Lords Creek on SR-1100
Start Date: November 2017
Anticipated Completion date: November 2018
Percent Complete: 24.5%

U-4751: (C203980) Military Cutoff Road Extension: extending Military Cutoff Road from Market Street to the Wilmington Bypass, with an interchange at the Bypass west of US 17 Business (Market Street) to US 17 Business (Market Street) SR 1403 (Middle Sound Loop Road).
Realignment of Lendire Road complete.
Construction forecasted from FY2017 - FY2022
➢ PNB is working on lowering their gas line throughout the project
➢ Spectrum boring and pulling cable
➢ Duke Energy working on clearing and installing power poles
➢ Precon was on Tuesday January 9, 2018
➢ Survey party finish staking wetland boundary for Duke clearing crews.
Anticipated Completion date: April 2022
Percent Complete: 2.6%

Project Development

R-5021: widening of NC 211 from NC 87 to SR 1500 (Midway Road) to a 4-lane divided facility.
Let Date June 2018

U-4902 C&D: US 17 Business (Market Street) construct a “superstreet” (median) from SR 2734 (Marsh Oaks Drive) to Lendire Drive & from Station Road to US 74 (MLK Parkway/Eastwood Road).
Let Date October 2018

B-4590: replace bridge #29 over Smith Creek on NC 133 (Old Castle Hayne Road)
Let Date December 2018

U-5710: US 74 (Eastwood Road) from Burnett Avenue to US 117 (Shipyard Blvd) upgrade the roadway.
Let Date July 2021
U-5729: **US 421 (Carolina Beach Road)** from Burnett Avenue to US 117 (Shipyard Blvd) upgrade the roadway. **Let Date July 2021**

FS-1003B: **Feasibility Study US 421 (Carolina Beach Road)** study the widening of roadway from Sanders Road to NC 132 (College Road). **Feasibility Study in progress.**

U-5790: **US 421 (Carolina Beach Road)** widen existing US 421 from Sanders Road to NC 132 (College Road) and construct fly-overs at Monkey Junction intersection

**Design Build Selection Date January 2020**

Construct a Fly-Over and Free Flow Ramp at interchange. **Let Date September 2022**

R-5701: **US 117 Business (Intersection of N. Walker Street and E. Wilmington Street)**
Construct roundabout.

**Let Date for construction: FY 2020**

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

**Let Date September 2023. Right of Way and Utilities Let 2021**

U-5710: **US 74 (Eastwood Road)** construct an interchange at the at-grade intersection of SR 1409 (Military Cutoff Road) & US 74 (Eastwood Road)

**Let Date January 2022**

FS-1503A: **Feasibility Study US 17 Bus. (Market Street)** study the at-grade intersection of US 17 Business (Market Street), US 74 (MLK Parkway) & US 74 (Eastwood Road) for installment of an interchange.

**Feasibility Study in progress.**

FS U-5734: **Feasibility Study S. Front Street** study the widening of S. Front Street from the intersection of Burnett Blvd. and US 421 (Carolina Beach Road), to Dawson Street.

**Environmental Assessment in progress.**

**Resurfacing Contracts - New Hanover County**

**New Contract:** New Hanover County: Resurfacing Contract: 2018CPT.03.04.10651; C203888 US 76 E. & W., US 421 (3) + NC State Port.

**No activity to report to date**

Mill & Resurface the following primary and secondary routes in New Hanover County:

**2018CPT.03.03.10101 and 2018CPT.03.04.10651 DC00172**
US 17 Bus. W./US 76 West – Ocean Hwy E.
US 421 N. Ramp – From US 421 to off ramp onto US 76/421
US 421 N. (Carolina Beach Rd.) – From Snows Cut Bridge, north to SR 1187 (Sanders Road).
US 421 S. (Carolina Beach Rd.) – From Snows Cut Bridge south to SR 1187 (Sanders Road).
NC 132 N. (South College Rd.) – near SR 1521 (Piner Road) north to 17th Street.
NC 132 S. (South College Rd.) – From 17th Street south near SR 1521 (Piner Road).
SR 1318 (Blue Clay Rd.) – From the intersection of SR 1302 (23rd St.) and Blue Clay Rd. north to the intersection of Blue Clay Rd. and N. College Rd.
SR 1492 (Myrtle Grove Rd.)
SR 1333 (Hermitage Rd.) – From NC 133 to SR 2157 (Crowatan Rd.)
SR 2158 (Hermitage Rd.) – From SR 2157 (Crowatan Rd.) to end of road.
SR 2157 (Crowatan Rd.) – From NC 133 to SR 1333 (Hermitage Rd.)
SR 2159 (Chesterfield Rd.) – From end of SR 1333 (Hermitage Rd.) to end of SR 2159 (Chesterfield Rd.)
SR 2228 (Dekker Rd.)
SR 1317 (Chadwick Ave.) – From Castle Hayne Rd. to end of SR 1317 (Chadwick Ave.)
SR 2697 (Memory Lane) – From Bountiful to end of SR 2697 (Memory Lane).
SR 1852 (Shore Point Dr.)
SR 1853 (Conch Dr.)
SR 1882 (Abalone Dr.) (Coquina Dr.) and (Cowrie Lane) – Located off of Edewater Club Dr. in Porters Neck.
SR 2908 (Conquina Dr.) – Located off of Edewater Club Dr. in Porters Neck.
SR 2537 (Duck Downe Ct.)
SR 2023 (Diamond Shamrock Rd.) – Located off of SR 1002 (Holly Shelter Rd.)
SR 1823 (Kenmore Dr.) – Located off of SR 1403 (Middle Sound Loop Rd.)
SR 1824 (Brandywine Circle) – Located off of SR 1403 (Middle Sound Loop Rd.)
SR 1826 (Homestead Ct.) – Located off of SR 1403 (Middle Sound Loop Rd.)
SR 1825 (Salem Ct.) – Located off of SR 1403 (Middle Sound Loop Rd.)
SR 2024 (Krauss Ln.) – Located off of Division Dr.
SR 2322 (Walker Ridge Ct.) - Located off of Carolina Beach Rd. (North)
SR 2326 (Bainbridge Ct.) - Located off of Carolina Beach Rd. (North)
SR 2327 (Alden Ct.) - Located off of Carolina Beach Rd. (North)
SR 2021 (Wordsworth Dr.) – Located off of North College Rd.
SR 2168 (Pine Knolls Rd.) – Located off of SR 1322 (Murrayville Rd.)
SR 2733 (Miranda Ct.) – Located off of W. Northchase Prkwy.
SR 2732 (Lakemoor Dr.) – Located off of W. Northchase Prkwy.
SR 2230 (Edward Hyde Place) – Located off of W. Northchase Prkwy.
SR 2231 (John Yeamen Rd.) – Located off of SR 2230 (Edward Hyde Place)
SR 2730 (Nevan Ln.) – Located off of W. Northchase Prkwy.
SR 2004 (Kings Dr.) – Located off of N. College Rd.
SR 2264 (Jason Ct.)
SR 2657 (William Louis Dr.)
SR 2658 (Brandy Ct.)
SR 1375 (Lockwood Dr.)
SR 1376 (Glenlea Dr.)
SR 1374 (Alandale Dr.) – Located off of N. Kerr Ave.
SR 1377 (Lynbrook Rd.)
SR 2206 (W. Northchase Prkwy.) – Located on N. College between SR 2257 (SE Northchase Prkwy.) and SR 2652 (NE Northchase Prkwy.)
SR 2767 (Ammons Drive) – Located off of W. Northchase Prkwy.
SR 2234 (Brittany Rd.) – Located off of SR 1322 (Murrayville Rd.)
SR 2235 (Creek Ridge Rd.) – Located off of SR 1322 (Murrayville Rd.)
SR 2117 (Shenandoah St.) – Located off of SR 1322 (Murrayville Rd.)
SR 2072 (Kerry Dr.) – Located off of Holly Shelter Rd.
SR 2073 (McGregor Rd.) – Located off of Holly Shelter Rd.
SR 2074 (Berwick Dr.) – Located off of Holly Shelter Rd.
NC State Port Authority (Patching)
SR 1971 (Humphrey Dr.)
SR 1345 (Alexander Rd.) – Located off of Market Street
SR 1923 (Lost Tree Rd.) – Located off of N. Market Street
SR 1930 (Bright Leaf Rd.)
SR 1979 (Harlandale Rd.)
SR 1989 (Haven Way) – Located off of Middle Sound Loop Rd.

Following roads are located off of SR 2048 (Gordon Rd.)
SR 2622 (Bay Blossom Dr.)
SR 2626 (Winter Moss Ln.)
SR 2665 (Hopscotch Dr.)
SR 2666 (Sapling Circle)
SR 2676 (Splitbrook Ct.)
SR 2672 (Loblolly Ct.)

Mill & resurface the following primary routes in New Hanover County: 2017CPT.03.07.20651.
DC00172
SR 1318 (Blue Clay Rd.) – from radius at intersection of SR 1322 (Kerr Ave.) to pvmr seam at US 117. 2.89 miles.
SR 1324 (Sheridan Dr.) – from NC 133 to SR 1325 (Long Leaf Drive).
SR 1325 (Long Leaf Dr.) – from SR 1326 (Laurel Drive) to SR 1358 (Holland Drive).
SR 1326 (Laurel Dr.) – from SR 1358 (Holland Drive) to dead end.
SR 1332 (Chair Rd.) – from NC 133 west on NC 133.
SR 1382 (Garden Place Dr.) – from NC 132 to SR 1387 (Hyacinth Ave.)
SR 1383 (Wedgewood Rd.) – from SR 1382 (Garden Place Dr.) to dead end.
SR 1387 (Hyacinth Ave.) – from SR 1382 (Garden Place Dr.) to dead end.
SR 1668 (Balsam Dr.) – from SR 1667 (Hickory Knoll Dr.) to SR 1668 (Balsam Dr.).
SR 1669 (Darley Ln.) – from SR 1667 (Hickory Knoll Dr.) to SR 1686 (Royal Oak Dr.)
SR 1686 (Royal Oak Dr.) – from SR 1492 (Myrtle Grove Rd.) to SR 1667 (Hickory Knoll Dr.)
SR 2071 (Arlene Dr.) – from NC 133 to end of maintenance.
SR 2181 (Blue Clay Rd./Dairy Farm Rd.) – from SR 1002 (Holly Shelter Rd.) to SR 1336 (Sidbury Rd.).
SR 2199 (Creekstone Ln.) – from SR 1335 (Parmele Rd.) to end of maintenance.
SR 2200 (Plum Tree Lane) – from SR 2199 (Creekstone Ln.) to end of maintenance.
SR 1322 (Murrayville Rd.) – from SR 2234 (Brittany Rd.) to SR 2691 (Retriever Dr.).
SR 2313 (Wilshire Blvd.) – from west of SR 1175 (Kerr Ave.) to east of Rosemont Ave.
SR 1400 (Flutch Creek Rd./Champ Davis Rd.) – from south of SR 2845 (Market Street) to SR 1491 (Porters Neck Rd.)
SR 2652 (Northchase Pkwy. NE) – from US 117 to cul-de-sac

**Estimated Completion Date:** February 2018

**Percent Complete:** 95.7%

**Mill & resurface the following primary routes in New Hanover County:**

**US 421 (Carolina Beach Road)** – from 0.26 miles south of Independence Blvd. (non-system portion) to west of Lake Shore Drive (non-system)

**US 117 Northbound Lanes (Shipyard Blvd)** – from US 421 to 0.05 miles east of US 421 (Carolina Beach Road)

**US 117 Southbound Lanes (Shipyard Blvd)** – from 0.20 miles east of US 421 to US 421 (Carolina Beach Road)

**US 421 Southbound Lanes (South 3rd Street)** – from US 76 (Dawson Street) to Greenfield Street (non-system)

**US 421 Northbound Lanes (South 3rd Street)** – from Greenfield Street (non-system) to US 76 (Dawson Street)

**US 17 Business (South 3rd Street)** – from US 76 eastbound lanes to US 76 westbound lanes.

**Mill & resurface the following secondary routes in New Hanover County:**

**SR 1218 (16th Street)** – from US 76 westbound lanes (Wooster Street) to US 76 eastbound lanes (Dawson Street)

**SR 1371 (16th St.)** - from Grace Street (non-system) to US 17 Business (Market Street)

**SR 2816 (16th St.)** - from US 17 Business (Market Street) to US 76 westbound lanes (Wooster Street)

**SR 1301 (17th Street)** - from US 17 Business (Market Street) to Grace Street (non-system)

**SR 2817 (17th Street)** - from US 76 eastbound lanes (Dawson Street) to US 17 Business (Market Street)

**SR 1411 (Wrightsville Avenue)** - from Dawson Street Extension (non-system) to SR 1209 (Independence Blvd.)

**Resurface the following secondary routes in New Hanover County:**

**SR 2699 (Amsterdam Way)** - from SR 2700 (Old Dairy Rd.) to SR 2048 (Gordon Rd.)

**SR 2701 (Antilles Ct.)** - from SR 2698 (Netherlands Dr.) to end maintenance

**SR 2698 (Netherlands Dr.)** - from SR 2048 (Gordon Rd.) to SR 2700 (Old Dairy Rd.)
SR 2700 (Old Dairy Rd.) - from US 17 Bus. (Market St.) to SR 2699 (Amsterdam Way)
SR 2220 (Windmill Way) - from SR 2219 (N. Green Meadows Dr.) to SR 2700 (Old Dairy Rd)
SR 2183 (Spring Rd) - from NC 133 (Castle Hayne Rd.) to SR 2184 (Fairfield Rd.)
SR 2184 (Fairfield Rd.) - from SR 2183 (Spring Rd) to SR 1318 (Blue Clay Rd)

**Widen & resurface following routes in New Hanover County:**

SR 1940 (Covil Farm Rd) - from SR 1409 (Military Cut-Off Rd) to SR 1916 (Red Cedar Rd)
SR 2717 (Torchwood Blvd.) - from US 17 Bus. (Market St.) to SR 2718 (Beacon Dr.)

**Mill & resurface a section & just resurface another section of SR 1363 (Bayshore Dr.)** from US 17 Bus. (Market St.) to SR 1393 (Biscayne Dr.)

**New Hanover:**
I-40 – milling & resurfacing from Gordon Road interchange to NC 210 interchange
I-40 – milling & resurfacing from US 117 interchange to mile post 393 (approximately 3.5 miles east of US 117 interchange)

**No activity to report to date**

**New Hanover County: Resurfacing Contract: C203868, I-5760**
I-140 (Wilmington Bypass) resurface from I-40 to US 421 & reconstruction of bridge approaches, joint repair & signals.
Contractor: Barnhill Contracting Company
Estimated Contract Completion Date: March 2018
Percent Complete: 73.0%

**New Hanover County: Resurfacing Contract: 2017CPT.03.01.10651; C203888**
US 117/NC 132 (College Road) from US 17 Business (Market Street) to SR 2313 (Wilshire Blvd.)

**WBS #36249.3622; C203888** City of Wilmington signal plan modifications & work to install pedestrian upgrades at the intersection of US 117/NC 132 (S. College Road) and SR 2313 (Wilshire Blvd) to US-17 Business.

**Includes safety projects:**
- W-5203AA construct offset left turn lanes on College Road & Hurst/Hoggard Drive upgrade pedestrian facilities to high visibility crosswalks w/ countdown pedestrian heads. Extend sidewalk to connect with existing sidewalk.
- W-5601BB install high visibility crosswalks & push button pedestrian signals at the intersection of College Road & New Center Drive.

Contractor: Barnhill Contracting Company
Estimated Contract Completion Date: February 2018
Percent Complete: 44.2%
Project Update List for Brunswick County

Projects Under Construction

ER-2971: (DC00194) Ocean Isle Beach Roundabout – Hwy 179 (Beach Drive) at Hwy 904 (Causeway Drive) SR 1184 (Ocean Isle Beach Road) in Ocean Isle
Contractor: Triangle Grading & Paving Inc.
Bid Amount: $1,849,999.35
Estimated Completion Date: May 2018
Percent Complete: 21.2%

Proposed Projects

R-5021: widening of NC 211 from NC 87 to SR 1500 (Midway Road) to a 4-lane divided facility.
Let Date June 2018

U-5788: US 17 Business (Main Street) Realign intersection at Wall Street and Shallotte Avenue
Let Date ROW: FY 2018, construction: FY: 2020

U-5862: US 17 (Shallotte Bypass) Upgrade intersection to interchange SR 1357 (Smith Avenue)
Let Date ROW and construction: FY: 2020

U-5914: NC 133 Modernize Intersection at US 17/US 74/ US 76 to SR 1554 (Old River Road).
Let Date construction: FY: 2020

U-5932: US 17 Convert Intersection to Interchange.
Let Date construction: FY: 2024

R-3436: Carolina Bays Parkway Extension

Project Overview and Purpose

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

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

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

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

Although the project is funded for study, no schedule has been established for right-of-way acquisition or construction, which is not currently funded in North Carolina.

- Capacity analysis for the existing roadways is about to get underway. They will be looking at current and future conditions.

**Resurfacing Projects - Brunswick County**

Resurfacing Contract: C203923, 2017CPT.03.06.10101 & 2017CPT.03.06.20101  
Brunswick County primary routes: 1 Section of US 74/US 76, 2 Sections of NC 87, NC 179, NC 904/179, and 41 Sections of secondary roads.  
Contractor has started widening on 74/76, and starting to mill and fill on 74/76.  
Contractor is close to completing mill and fill in Calabash at Beach Drive SW.  
Estimated Completion Date: May 2018  
Percent Complete: 95.4%

Resurfacing Contract: I-5357, C203630, WBS #46176.3.FS1, Brunswick County secondary routes:  
- SR 1104 (Beach Drive) – patching, milling, resurface & leveling from beginning of curb & gutter section to end of SR 1104  
- SR 1828 (Kings Lynn Drive) – patching, mill & resurface from SR 1104 (West Beach Drive) to SR 1828  
- SR 1401 (Galloway Road) – resurface from US 17 to SR 1402 (Randolphville Road)  
- SR 1435 (North Navassa Road) – patching, mill & resurface from SR 1472 (Village Road Northeast) to SR 1432 (Old Mill Road Northeast)  
- SR 1430 (Cedar Hill Road) – patching, mill & resurface from SR 1435 (North Navassa Road) to 0.58 miles south of SR 1431 (Royster Road Northeast)  
- SR 1430 (Cedar Hill Road) – patching, mill & resurface from 0.54 miles north of SR 1431 (Royster Road Northeast) to SR 1426 (Mount Misery Road)  
Contractor: S.T. Wooten  
Percent Complete: 100.0%. Waiting on final estimate

New Contract: Resurfacing Contract: WBS: 2018CPT.03.03.10101, Brunswick County  
No activity to report to date
**Project Update List for Pender County**

**Under Construction**

**B-4929: (C203789) Bridge @ Surf City NC 50/210** - replace bridge #16 over the inter-coastal waterway with a fixed span high rise structure.
Contractors placed concrete at the following locations: Bent 19, Pier’s 6 and 8, Bent 20, Pier’s 6 and 8. Contractors placed concrete at span A of the bridge deck. Contractors placed concrete at the Bent 12 columns.
Contractor: Balfour Beatty Infrastructure
Bid Amount: $53,651,508.35
**Estimated Contract Completion Date November 2020**
**Percent Complete: 59.3%**

**Project Development**

**R-3300B: US 17 Hampstead Bypass:** Construct a four lane divided roadway on mostly new location from NC 210 to Sloop Point Loop Road. **R-3300B currently funded in DRAFT 2018-2027 STIP; ROW and Utilities: FY 2018 – FY 2020.**
**Let date for construction: FY 2020**

**U-5732: Hampstead Median Project: US 17 (Ocean Highway in Hampstead)**
Convert to superstreet from SR 1582 (Washington Acres Road) to SR 1563 (Sloop Point Loop Road). Median project has been combined with Hampstead Bypass to accelerate the completion of the Bypass.
**Let Date September 2020**

**R-3300B:** project may be accelerated to build and open the Bypass for use as a detour during the median project construction.

**Dan Owen Drive connector to Factory Road:** Roadway being constructed to alleviate traffic volume off of Hampstead Median Project while being built and to reduce the number of vehicle crashes. Currently staking ROW. NCDOT to construct connector road in 2018.

**R-3300A: US 17 Hampstead Bypass:** Construct a four lane divided roadway from NC 210 to I-140 south of Hampstead. **Currently unfunded section of Hampstead Bypass. However, Design and Right of Way has been approved. NCDOT is pursuing funds to meet the same construction let date as R-3300B.**

**U-5732: US 17 (Ocean Highway in Hampstead)**
Convert to superstreet from SR 1582 (Washington Acres Road) to SR 1563 (Sloop Point Loop Road). **Note: Will be built in conjunction with Hampstead Bypass.**
**Let Date September 2020**
Resurfacing Projects - Pender County

Resurfacing Contract: C204090, 2018CPT.03.05.10711, 2018CPT.03.05.20700 & 2018CPT.03.05.20712. 1-section of US-17, 1-section of NC-50, 1-section of NC-210, and 36 other various SR roads.
Physical length: 35.563 Miles
Bid amount: $3,672,560.25
Estimated Completion Date: Not available
Percent Complete: Not available

Brunswick County primary routes: 1 Section of US 74/US 76, 2 Sections of NC 87, NC 179, NC 904/179, and 41 Sections of secondary roads.
Contractor has started widening on 74/76, and starting to mill and fill on 74/76. Contractor is close to completing mill and fill in Calabash at Beach Drive SW.
Estimated Completion Date: May 2018
Percent Complete: 95.4%

Additional updates

Resurfacing & System Preservation
- College Road Project. Contractor has pulled off to complete other projects.
- I-140 Resurfacing is ongoing.
- This seasons resurfacing projects (Division wide) are underway.
- Next seasons resurfacing projects are being Let and soon to be underway.

Project Team

Project Team is currently managing 94 active projects.
Managing 55 STIP Projects. 11 Safety Projects, 4 Bike/Ped Projects, and 24 Locally Administered Projects.
Working on assigning the latest 10 STIP projects to design firms. Scoping meetings will begin on these projects soon.

- Project List updated March 23, 2018

If you have any questions, please contact Alan Pytcher at the Division 3 Office: (910) 341-2000, apytcher@ncdot.gov
MARCH TPD UPDATES WILMINGTON MPO

April 2018

Wilmington Model Update – Wilmington MPO has requested that TPD update their model to a base year of 2015, previously the base year was 2010. The model is being updated so it can be accurately used in the next MTP. We are working on incorporating Base Year SE Data Verification. Once that is completed, the Board will adopt the base year data and we will move onto future year data.

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 will develop one in the next few weeks.

CTP 2.0 – The CTP 2.0 work is ongoing. TPD has given updates to many RPOs, MPOs and NCDOT employees that were involved in this process end of February.

Performance Measures – Performance management is a strategic approach that uses system information to make investment and policy decisions to achieve transportation system performance goals. TPD will be developing a committee with MPO and RPO representatives to establish targets and other requirements. NCDOT informed the MPOs via email on October 19, 2017 about the established safety targets. MPOs are reminded that they must establish safety targets by February 27, 2018.
**Statewide Plan:** TPD has selected WSP as the consultant for the Statewide Plan. A scope and schedule will be developed soon. As stakeholders, MPO/RPOs will be engaged throughout the process.

**Corridor Studies:** Work is underway on the first two master plans, as follows:

- **Bundle #1** has been assigned to Kimley-Horn and includes **Corridor P** (Future I-42/US 70E/NCRR from I-440 in Wake County to Port at Morehead City), **Corridor S** (I-795/US 117 from I-95 in Wilson County to I-40 in Sampson County), and **Corridor X** (US 258/NC 11/US 13 from US 17 in Onslow County to US 64E in Edgecombe County).

- **Bundle #2** has been assigned to Atkins, and includes **Corridor U** (US 74W/US 74E/I 74 from I-26 in Polk County to US 117 in Wilmington) and **Corridor D** (US 321/CSX from South Carolina state line to Tennessee state line).

**Freight Plan:** The Statewide Freight Plan was adopted by the BOT in September 2017 and approved by FHWA on November 21, 2017. It can be found online at [https://connect.ncdot.gov/projects/planning/Statewide-Freight-Plan/Pages/default.aspx](https://connect.ncdot.gov/projects/planning/Statewide-Freight-Plan/Pages/default.aspx).

**CMAQ:** Applications for funding in FFY 2019 are due in by March 15, 2018.

**Traffic Forecast:** The TF Shapefile is currently “live” and being updated monthly: NCDOT Traffic Forecasting Data. Processes are currently being established in order to allow for the download of approved traffic forecasts from ArcGIS online. A Traffic Forecasts library has been established on the Connect NCDOT site (Traffic Forecasts Connect NCDOT Library). This library is currently a work-in-progress but will ultimately be a place to store and link-to approved traffic forecasts.

**AQ Conformity:** The Conformity Determination Report for the 2045 Metropolitan Transportation Plans for the Metrolina region is out for public comment. We are on track for federal approval of the conformity determination on May 2, 2018.