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Create and execute continuing, cooperative and comprehensive regional long-range planning efforts that pro-actively drive transportation decisions to improve safety, connectivity, economic development and quality of life in the Wilmington region.

Technical Coordinating Committee Meeting Agenda

TO: Technical Coordinating Committee Members
FROM: Mike Kozlosky, Executive Director
DATE: November 9, 2017
SUBJECT: November 15th meeting

A meeting of the Wilmington Urban Area MPO's Technical Coordinating Committee will be held on Wednesday, November 15th at 10 am. The meeting will be held in the Lord Spencer Compton Conference Room at 102 North 3rd Street in downtown Wilmington.

The following is the agenda for the meeting:

- 1) Call to Order
- 2) Approval of the Agenda
- 3) Presentation
 - a. 2017 Commuter Challenge Results, Adrienne Harrington and Zoe Leonard, WMPO
- 4) Consent Agenda
 - a. Approval of TCC Meeting Minutes- October 11, 2017
 - b. Resolution adopting the 2018 Meeting Schedule
 - c. Resolution supporting the allocation of additional Direct Attributable funds to the Town of Leland for the Old Fayetteville Road Multi-use Path
- 5) Discussion
 - a. 2015 Socio-Economic Data
 - b. Direct Attributable Programs
 - c. 2018 NCDOT Standards and Specifications
 - d. Bike Share
- 6) Updates
 - a. MPO Staffing
 - b. Crossing over the Cape Fear River
 - c. Wilmington Urban Area MPO
 - d. Wilmington Urban Area MPO's Metropolitan Transportation Plan
 - e. Cape Fear Public Transportation Authority
 - f. NCDOT Division
 - g. NCDOT Transportation Planning Division
- 7) Announcements
 - a. WMPO Bike/Ped Committee Meeting- November 19th

Wilmington Urban Area Metropolitan Planning Organization

8) Next meeting –January 17, 2018

Attachments:

- TCC Meeting Minutes- October 11, 2017
- Proposed 2018 Meeting Schedule
- Resolution adopting the 2018 Meeting Schedule
- Town of Leland Resolution
- Town of Leland Memorandum
- Resolution supporting the allocation of additional Direct Attributable funds to the Town of Leland for the Old Fayetteville Road Multi-use Path
- Direct Attributable Memorandum
- Cape Fear River Crossing Update (November)
- Wilmington MPO Project Update (November)
- Cape Fear Public Transportation Authority Update (November)
- NCDOT Division Project Update (November)
- NCDOT Transportation Planning Division Project Update (November)

**Wilmington Urban Area
Technical Coordinating Committee
Wednesday, October 11, 2017
Meeting Minutes**

Members Present:

Mike Kozlosky, Wilmington MPO	Kyle Breuer, Pender County
Don Bennett, City of Wilmington	Allen Serkin, Cape Fear Council of Governments
Adrienne Harrington, Wilmington MPO	Alan Pytcher, NCDOT Division of Highways
Ed Parvin, Town of Carolina Beach	Nazia Sarder, NCDOT Planning
Ken Vafier, New Hanover County	Megan Matheny, Cape Fear Public Transportation Authority
Stephanie Ayers, NC Ports Authority	
John Allen, Town of Bellville	
Helen Bunch, Brunswick County	

1. Call to Order

Mr. Kozlosky called the meeting to order at 10:03 a.m. He introduced Abby Lorenzo and Jason O'Brien, new Associate Transportation Planners.

Ms. Lorenzo and Mr. O'Brien expressed appreciation and gave a brief overview of their backgrounds.

2. Approval of Agenda

Mr. Breuer made the motion to approve the agenda as presented with no changes. Ms. Bunch seconded the motion and it carried unanimously.

3. Presentation

a. International Walk to School Day Results, Adrienne Harrington, WMPO

Ms. Harrington gave a presentation on this year's International Walk to School Day, which was held on October 4th. She noted that outreach to New Hanover, Brunswick and Pender County Schools differed this year with the provision of a link to an online survey that captured interest in an educational curriculum and materials, and/or a walking event.

Ms. Harrington stated that five (5) schools took advantage of the materials, and six (6) schools participated in the event. She reported that more than 1,200 students walked to school this year; three (3) times the number of last year's participants. She added that most of the programs' promotional materials were exhausted during this event. She commented that other schools may have participated in addition to those captured.

Mr. Breuer commented that Pender County will begin its Safe Routes to School project next year. He expressed a desire to partner with the NCDOT for a ribbon cutting ceremony.

A question/answer and discussion period was held.

4. Consent Agenda

- a. **Approval of TCC Meeting Minutes – September 13, 2017**
- b. **Resolution supporting the North Carolina Ports Authority’s submission for the INFRA grant**
- c. **Resolution supporting the North Carolina Department of Transportation’s submission of Rail Improvements for the INFRA grant**
- d. **Resolution supporting the Wilmington Urban Area Metropolitan Planning Organization’s submission of an Infrastructure for Rebuilding America (INFRA) grant request for the upgrade of US 74 from east of NC 87 to Mt Misery Road**

Ms. Bunch expressed the desire to pull Item 4a (Approval of TCC Meeting Minutes of September 13, 2017) for a minor correction.

Mr. Bennett made a motion to approve the Consent Agenda excluding Item 4a, and to forward Items 4b through 4d to the Board for consideration. Mr. Vafier seconded the motion and it carried unanimously.

Mr. Kozlosky stated that a correction has been made to the minutes of September 13th to record the arrival of Ms. Bunch at 10:14 a.m. (instead of 10:41 a.m.).

Mr. Breuer made a motion to approve TCC Meeting Minutes of September 13, 2017 with the correction. Ms. Bunch seconded the motion and it carried unanimously.

In response to an inquiry by Mr. Serkin regarding Item 4d, Mr. Kozlosky displayed a map of the rail sites, connections, grade separations, and crossing closures between Wilmington and Charlotte. He expressed regret that the map was not available in time to be included in the agenda packet.

5. Regular Agenda

- a. **Resolution requesting the North Carolina Department of Transportation designate US 74 from Whiteville to Interstate-140 and Interstate-140 from US 74 to US 17 as “Future I-74”**

Mr. Kozlosky stated that this Resolution is the result of discussions with Mr. Serkin and the Department of Transportation. He noted that the National Highway System Act of 1995 identifies the locations for Interstate 73 and 74, and the route to be identified for I-74 in North Carolina, specifically southeastern North Carolina. He reminded members that the DOT has a map that shows a corridor running through the Green Swamp, which is not supported by the RPO or Brunswick County. He pointed out that if the DOT would designate these sections, it would help encourage the goal of the MPO to bring I-74 to Wilmington.

Mr. Serkin suggested that a request should be made to change the map for the designated route.

Mr. Bennett made a motion to approve the Resolution requesting the North Carolina Department of Transportation designate US 74 from Whiteville to Interstate-140 and Interstate-140 from US 74 to US 17 as “Future I-74,” and to forward it to the Board for consideration. Mr. Serkin seconded the motion, and it carried unanimously.

b. Resolution supporting the allocation of additional Direct Attributable funds to the Carolina Beach Greenway and Harper Avenue Bike Lanes projects

Ms. Kimes stated that this project bid came in higher than anticipated. She noted that the Town of Carolina Beach has requested additional money, and a Resolution was adopted at the Town Council's meeting last night to award it, request additional funds, and provide the 20% match.

Mr. Kozlosky reminded members that this was one of the projects with anticipated overruns.

Ms. Kimes stated that this request is for about \$167,000 in unanticipated costs, and approval would allow the Town to move forward with the project. A question/answer and discussion period was held.

In response to an inquiry by Mr. Breuer, Ms. Kimes stated that the surplus has been updated with capital costs and overages based on the original match. She noted that only some of the projects are ready to go to construction at this time. She added that the current shortfall is approximately \$3.4 million, which translates to a potential maximum of \$2.7 million. She estimated that current available funding of this year's allocation minus UPWP (Unified Planning Work Program) is \$3.725 million, which leaves a balance of \$1 million.

Ms. Kimes expressed the desire to wait until next week when NCDOT can validate percent completion, and projections can be updated based on award dates, before allocating this year's funds.

A lengthy question/answer and discussion period was held.

Mr. Breuer made a motion to approve the Resolution supporting the allocation of additional Direct Attributable funds to the Carolina Beach Greenway and Harper Avenue Bike Lanes projects, and to forward it to the Board for consideration.

Mr. Serkin seconded the motion, and it carried unanimously.

6. Discussion

a. Direct Attributable Programs

Ms. Kimes reminded members that over the past few months she and Ms. Lorenzo have been working on the process for the Direct Attributable Programs. She stated that following discussions with the TCC and the Board, staff identified the four (4) main areas for improvements as follows:

1. Application submittal and award timeline;
2. The use of "pots" or targets allocating funding for projects to different modes of transportation;
3. Inaccurate engineering and construction cost estimates; and
4. Understanding the NCDOT expectations and basic timelines of a project from NCDOT Agreement to Project Closeout.

Ms. Kimes pointed out that this will be a living document that will evolve over time. She reported that a more similar mindset exists within the state than outside it. She noted that options include:

- Continue as usual with applications and awards for funding after the funds are released; or
- Do a call for projects a year in advance of funds being released, which would give towns time to be prepared to start projects on the first day of funding; or
- Use a Board or TCC approved mini-five (5)-year TIP of funded projects rotated every two (2)-years.

A question/answer and discussion period was held regarding a mini-TIP with a local prioritization process.

Mr. Kozlosky stated that if the Board agrees, the next step would be to return to the Committee with criteria.

In response to an inquiry by Mr. Breuer, Mr. Kozlosky responded that the process is moving toward requiring projects to be in the MTP. He noted that the match makes the application necessary.

Ms. Kimes gave an overview regarding various funding target categories. She noted that the targets will not work with current legislation.

Mr. Serkin expressed a desire for flexibility in the targets.

Ms. Kimes gave an overview of the inaccuracy of original engineering estimates. She attributed some of the challenges to the newness of the program. She pointed out that local rules and requirements differ greatly from federal rules and requirements. She proposed that feasibility study completed for projects.

In response to an inquiry by Mr. Serkin, Ms. Kimes stated that it is her understanding that the studies are separate from the projects. She recommended that the town or local municipality be in charge of the studies so that they can make their own decisions about the projects.

Mr. Kozlosky stated that staff will need to determine if DA (Direct Attributable) money can be used for feasibility studies; and the amount to be programmed for it. He commented that if DA funds can't be used, the local jurisdictions may want to assume responsibility for them. He expressed a reluctance to flex PL funds for this purpose without consulting with the DOT first.

Ms. Kimes pointed out that if a project can't be completed, the municipality/county would have to reimburse the funds, which could be costly.

In response to an inquiry by Mr. Serkin, Ms. Kimes stated that Mr. Lowe estimated the cost of a feasibility study at \$5,000 based on his experience. She noted that it may be necessary to engage local firms to obtain a better estimate.

Mr. Breuer inquired about the MPO doing the contracting and feasibility study if the LGA were to give it the funds. Mr. Kozlosky stated that this could be considered.

Mr. Serkin suggested the possibility of on-call firms. Mr. Kozlosky pointed out that the MPO uses on-call firms for planning.

Ms. Ayers stated that the Ports operate differently from municipalities and counties by making decisions based on the marketplace. She noted that the Ports have an infrastructure capital plan and a full engineering staff.

Ms. Matheny pointed out that feasibility studies are done on all transit projects, and are included in the capital improvement TAM Plan.

Ms. Kimes commented that airport transit may be different from municipalities as well. She noted that the MPO does not have the internal engineering staff to conduct feasibility studies in-house.

Mr. Kozlosky identified a consensus regarding the need for feasibility studies although the funding mechanism has not been identified yet.

In response to an inquiry by Ms. Matheny, Ms. Kimes stated that staff hopes to move forward with a new process in January. She noted that the call for this year's funds (2018) may be unnecessary, and the call for next year (2019) would go out in February or March.

Ms. Kimes provided some recommendations for meeting NCDOT's expectations and timelines, including a manual, check list, and project management software.

A question/answer and discussion period was held.

Ms. Kimes reminded members that MPOs across the state and in the southeastern region are struggling with this process as well.

Mr. Breuer suggested that members reach out to the LGAs regarding administration at the local level. Ms. Kimes responded that further input will be requested.

Mr. Serkin expressed appreciation for progress to date.

Mr. Kozlosky pointed out that this essentially creates a capital improvements program. He noted that more work will be required.

Ms. Ayers volunteered to participate in any subcommittee.

Mr. Kozlosky stated that the potential creation of a workgroup will be discussed at the next TCC meeting.

Ms. Kimes reiterated that the goal is to have a plan ready by January, with the creation of materials such as a handbook and updating letters of interest to follow.

b. Old Fayetteville Road Multi-use Path (U-5534D)

Mr. Kozlosky stated that in 2013 the Town of Leland was awarded funds for the Old Fayetteville Road Multi-use Path, and agreed to provide a 50% local match. In 2015, the town executed an agreement with DOT for some additional funds, at which time the match was reduced to 35%. He noted that the project has changed significantly in cost since the original proposal. The original estimate was \$380,000. The most recent estimate is \$2.2 million, which excludes the DOT's resurfacing portion of the project.

In response to an inquiry by Mr. Breuer, Ms. Kimes stated that the plans are at 65%, and soon to be at 95%.

Mr. Bennett expressed concerns regarding the rapid shift in the market for construction costs and the increase in cost estimates.

Ms. Ayers expressed concerns that no one from Leland is present during this discussion.

Mr. Kozlosky concurred with Ms. Ayers and noted that the town is short staffed currently. He stated that the town would like to move forward with the project and reduce the local match to 20%. He expressed concerns regarding setting a precedent where other jurisdictions have remained committed to their match percentages.

A question/answer and discussion period was held regarding the change in match.

In response to an inquiry by Mr. Bennett, Ms. Kimes stated that only Leland has matches greater than 20%.

Mr. Kozlosky requested discussion to identify any interest or support for reducing Leland's match to 20%. If so, staff would bring to the TCC in November an Item acknowledging support. He noted that the Town will not proceed unless it can secure the match.

In response to an inquiry Mr. Vafier, Ms. Kimes stated that the path was to be installed in 60 feet of right-of-way; but needs a little more right-of-way, pipe, and curb and gutter.

Mr. Bennett requested more information about the inflation of cost.

Ms. Harrington expressed concerns regarding the other projects at 30%. Ms. Kimes responded that those projects are further along and have better estimates.

In response to an inquiry by Mr. Bennett, Mr. Kozlosky stated that the town is seeking a commitment from the Board to provide the match equaling about \$1.5 million.

Ms. Kimes noted that without a commitment the town will stop the project, pay back any reimbursements, and consider it a loss.

Ms. Ayers pointed out that a surplus of STP funds will exist even with moving this and other projects forward. She expressed concerns regarding delaying the Resolution of support and not advancing the project.

In response to an inquiry by Mr. Serkin, Mr. Kozlosky stated that the MPO must expend its funds, and the town must complete the project within 10 years.

A lengthy question/answer and discussion period was held.

Ms. Kimes pointed out that a feasibility study would have prevented this situation. Committee members concurred.

Mr. Breuer requested documentation from the town for the cost increase, and a Resolution of support for members to consider at the November meeting.

Following further discussion, Mr. Kozlosky reminded the Committee that the goal is to expend the funds.

7. Updates

Mr. Kozlosky reminded members that the two (2) new Associate Planners were introduced earlier. He noted that the Senior Planner position will close on the 15th and the Project Engineer position will close around the same time. He added that interviews for the GIS Analyst position are in progress and efforts are focused on the return to full staffing.

Mr. Breuer pointed out that the public meeting for the Hampstead Bypass median project is next Thursday.

Mr. Kozlosky reminded members that updates are in the agenda packet.

Mr. Pytcher stated that the Greenfield Lake project should be open to traffic in December of this year. He noted that the contractor has completed the culvert, and is rebuilding 3rd Street, beginning with installation of base pavement, and curb and gutter next week. He added that the backfilling for the second phase of the culvert on 3rd Street is underway.

Mr. Pytcher stated that the Wilmington Bypass should be open to traffic in December; a delay of one month. He noted that two (2) paving crews are working to complete the project by December 15th.

8. Announcements

- Hampstead Bypass meeting: October 19th
- Carolina Beach Road meeting: October 30th at Sunset Elementary School
- South Front Street Widening public meeting: November 13th
- The next WMPO Bike/Ped Committee meeting: October 17th
- The next TCC Meeting: November 15th

In response to an inquiry by Ms. Matheny, Mr. Kozlosky stated that he would forward public meeting times and locations to members.

Ms. Harrington reminded members that the Commuter Challenge starts on Monday.

Mr. Kozlosky expressed appreciation to members for their efforts on the STP-DA process.

Mr. Breuer requested that the member jurisdictions be updated regarding the revised DA program.

Mr. Kozlosky stated that training has been suspended until that time as well.

9. Adjournment

With no further items, the meeting was adjourned at 11:54 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.**



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MEMORANDUM

TO: TCC/Board members

FROM: Mike Kozlosky, Executive Director

DATE: November 7, 2017

SUBJECT: Wilmington Urban Area MPO Proposed 2018 Meeting Schedule

Technical Coordinating Committee	Board
January 17	January 31
February 14	February 28
March 14	March 28
April 11	April 25
May 16	May 30
June 13	June 27
July 11	July 25
August 15	August 29
September 12	September 26
October 17	October 31
November 14	November 28
December –no meeting scheduled	December –no meeting scheduled

The TCC meetings will begin at 10 am on the date of the meetings.

The Board meetings will begin at 3 pm on the date of the meetings.

Wilmington Urban Area Metropolitan Planning Organization

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

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
BOARD**

**RESOLUTION ADOPTING THE 2018 WILMINGTON URBAN AREA MPO MEETING
CALENDAR**

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

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization's Board adopts the meeting calendar on an annual basis.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby adopts the 2018 meeting calendar.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on November 29, 2017.

Gary Doetsch, Chair

Mike Kozlosky, Secretary



Resolution R17-251

Introduced By: Gary Vidmar

Date: September 28, 2017

Resolution Authorizing the Town of Leland to Contribute Additional Matching Funds for the Town of Leland's 2014 Surface Transportation Program Direct Attributable Project U-5534D which is the Old Fayetteville Road Multi-Use Path.

WHEREAS, in 2013 the Town of Leland was awarded federal funds from the Surface Transportation Direct Attributable ("STP-DA") program for the design, permitting, and construction of the Old Fayetteville Road Multi-Use Path project (U-5534D"); and

WHEREAS, on September 9, 2014 the Town of Leland 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 \$190,000 for the design, permitting, and construction of the U-55334D project with the Town committing to an equal matching amount of \$190,000 to pay for the \$380,000 total estimated project cost of the U-5534D project; and

WHEREAS, the Town of Leland executed a supplemental agreement with NCDOT dated September 16, 2015 for the U-55334D project to receive an additional \$163,000 in STP-DA federal funds to pay for the purchase of property required for permanent public easements which increased the total estimated project cost to \$543,000 with no additional matching amount to be paid by the Town; and

WHEREAS, major changes have been made to the U-5534D project which has increased the total estimated project cost to \$2,261,575; and

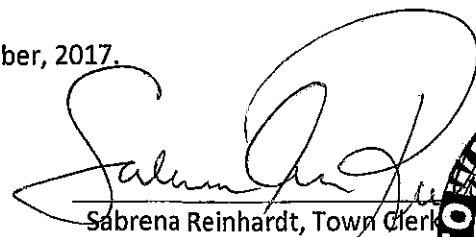
WHEREAS, the Town of Leland is willing to increase its matching amount to twenty-percent (20%) of the aforementioned revised total estimated project cost which is \$2,261,575.

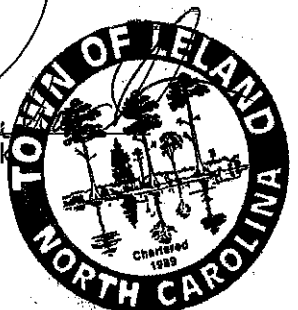
Therefore, Be It Resolved:

That the Town of Leland agrees to provide a 20% match of the total estimated funds needed for the design and construction of the STP-DA U-5534D project for an amount of \$452,315.

Adopted by Town Council on this 28th day of September, 2017.


Brenda Bozeman, Mayor


Sabrena Reinhardt, Town Clerk





MEMORANDUM

TO: Mike Kozloski (WMPO)
FROM: Gary Vidmar
SUBJECT: Old Fayetteville Road Multi-Use Path – STP-DA U-5534D
DATE: November 6, 2017

The purpose of this memo is to present supporting backup for the Town's request to increase the STP-DA funding from its current amount of \$543,000 with a \$190,000 Town match to \$2,261,575 with a \$452,315 Town match.

1. Initial plans in 2014 showed the multi-use path on the north side of Old Fayetteville.
2. During review of initial plans, Town determines that north side alignment has conflicts with right-of-way and other issues.
3. URS provides concept plans showing options on north and south side of the road.
4. NCDOT accepts alignment on south side of road.
5. URS proceeds to 50% and eventually 90% progress plans with NCDOT review and comments for south side alignment.
6. After receiving NCDOT comments concerning right-of-way conflicts and request to add curb and gutter, Town authorizes URS to revise alignment and add curb & gutter.
7. After considering curb and gutter implications Town once again considers moving MUP to north side of the road. Town chooses to proceed with the alignment on the north side to reduce right-of-way acquisition costs and time.
8. After reviewing preliminary plans for north side alignment, NCDOT determines that the project scope requires the plans to be drawn to meet NCDOT format standards and should include additional scope by combining MUP project with an anticipated NCDOT project to repave Old Fayetteville Road.
9. Project design proceeds again with a northern alignment along with underground storm drainage to reduce right-of-way and easement acquisitions and with added NCDOT scope to repave Old Fayetteville.

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
BOARD**

**RESOLUTION SUPPORTING THE ALLOCATION OF ADDITIONAL DIRECT ATTRIBUTABLE FUNDS
TO THE TOWN OF LELAND FOR THE OLD FAYETTEVILLE ROAD MULTI-USE PATH 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- 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 2013 STP-DA funds to the Old Fayetteville Road Multi-use path from corner of the Town of Leland's Town Hall campus to the driveway of the North Brunswick High School; and

WHEREAS, the Town executed a supplemental agreement with NCDOT in September 2015 for an additional \$163,000 in STP-DA funds; and

WHEREAS, major changes have been made to the project and now the project's total estimated cost is \$2,261,575; and

WHEREAS, the Town has requested an additional \$1,456,260 in funds from the Wilmington Urban Area Metropolitan Planning Organization and has confirmed their willingness to provide a total of \$452,315 to this project.

NOW THEREFORE, be it resolved that the Board of the Wilmington Urban Area Metropolitan Planning Organization hereby supports the allocation of additional Direct Attributable funding in the amount of \$1,456,260 to the Town of Leland for the Old Fayetteville Road Multi-use path project.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization's Board on November 29, 2017.

Gary Doetsch, Chair

Mike Kozlosky, Secretary



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Memorandum

To: MPO Board members

From: Amy Kimes, PE, Senior Project Engineer, WMPO
Abby Lorenzo, Associate Transportation Planner, WMPO

Date: October 16, 2017

Subject: Alternatives for STBG/TASA Direct Attributable Funding Allocation Process

Based on discussions with the TCC and MPO Board, Staff researched the Direct Attributable allocation processes of multiple MPO's throughout North Carolina and the Southeastern US. Staff identified and focused our research on four main areas for improvements:

- **Application submittal and award timeline.**
- **The use of "Pots" allocating funding for projects to different modes of transportation.**
- **Inaccurate engineering and construction cost estimates.**
- **Understanding the DOT expectations and basic timelines of a project from NCDOT Agreement to Project Closeout.**

After analyzing policies and procedures of other MPO's and speaking with representatives of some of these other organizations as to the most successful methods, a list of possible solutions for each area of concern have been determined. Staff presented solutions for each area of concern to the TCC at their October meeting. Their recommendations are included with Staff's initial alternatives.

Application and submittal award timeline.

- Award funding a minimum of one year in advance. For instance, have a call for FY 2019 funding in the Fall of 2017, score and award in early 2018. This advanced awarding will allow for Local Government Agency's (LGA's) to finalize an agreement with NCDOT prior to the funds becoming available October 1, 2018.
Or;

Wilmington Urban Area Metropolitan Planning Organization

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

-
- Create an MPO Direct Attributable Transportation Improvement Program (TIP) on a 2-year rotating basis with a five year horizon. Only the first two years would be guaranteed funding. The MPO could utilize a call for projects or SPOT scoring to prioritize projects for the MPO Direct Attributable TIP. This option would give LGA's additional time to secure their local match and complete the DOT project agreement.

TCC Recommendation: *Support for developing a 5-year program and establishing local level scoring criteria. Programming potentially to begin in 2019.*

The use of “Pots” allocating funding for projects to different modes of transportation.

- Remove “pots” or “target” amounts for different modes of transportation. Removing these pots will necessitate a further discussion on how Transit funds will be awarded. The removal of these target amounts will not include the funds annually taken off the top for the MPO administrative costs. The development of an application for studies will also be necessary.

TCC Recommendation: *Further discussion will be necessary once a decision has been made on the mechanism (annual solicitation or create a Direct Attributable TIP) to program funds. If “pots” or “targets” are desired they will need to be reorganized to accommodate studies, ports, rail, and aviation related projects.*

Inaccurate engineering and construction cost estimates.

- Require a feasibility study for each LGA's top 5-10 projects supported by the MTP. These studies could be funded with FY 2018 DA funds and local match. Once complete and prior to the submittal of a project for scoring, the applicant will be required to hold a scoping meeting with WMPO & NCDOT.

TCC Recommendation: *Support for developing project feasibility studies/evaluations. This could be a standalone study or feasibility of multiple projects. Capital plans could also potentially be used to satisfy this recommendation. Further discussions will be necessary to determine if the MPO should be responsible for managing feasibility studies on behalf of Local Governments or if this should be incumbent on the Local Government.*

Understanding the NCDOT expectations and basic timelines of a project from NCDOT Agreement to Project Closeout.

- Require and continue additional training for LGA's prior to and once funding has been awarded.
- WMPO creation of Gantt and flow charts of the expected process from project award to closeout.
- WMPO creation of a project handbook for quick reference and step by step instruction for LGA's.
- Identify project management software that can be used by all LGA's, MPO, and NCDOT for the management of Direct Attributable projects.

TCC Recommendation: *In favor of solutions proposed by staff.*

Other suggestions to improve project flow and support.

- The requirement of monthly check-ins to give a project update and status.
- Prepare a template for a more detailed LOI for engineering firms that specifically spells out the LGA's needs and expectations for the project.
- Require selected firms to provide a schedule with an anticipated timeline of project milestones at the beginning of the project.

TCC Recommendation: *Consider the creation of a focus group or subcommittee to further develop ideas for programming and distribution of DA funds.*

The goal is to finalize a process by the end of the year. Staff requests further discussion and direction from the Board prior to selection of the final alternatives for Board consideration and approval.



Cape Fear Crossing

STIP U-4738

Brunswick and New Hanover Counties

PROJECT STATUS REPORT

November 1, 2017

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 October:

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 Sea Level Rise Assessment is under review by NCDOT.
- The project team continues preparation of the Draft Environmental Impact Statement.
- Design refinements for alternatives south of the Port of Wilmington are being investigated due to the request from the NCSA and WMPO to provide 215 feet of vertical clearance over the Cape Fear River navigational channel (versus 187 feet currently designed).

Upcoming Activities

- The project team has discussed potential elimination of alternatives with the NEPA/Section 404 Merger Team and will be following up with FHWA and USACE before making final decisions on alternatives to carry forward.
- The project team will revise designs based on bridging decisions from the NEPA/Section 404 Merger Team Concurrence Point 2A – “Bridging Decisions and Alignment Review” meeting on 8/17/17.

Past Activities

- 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 NEPA/404 merger team met on 8/17/17 to discuss alternatives that could potentially be dropped from consideration.
- 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 met on 5/30/17 in Wilmington to review Concurrence Point 2A – “Bridging Decisions and Alignment Review”.
- The project team received final concurrence from the State Historic Preservation Office on 5/26/17 regarding Section 106 effects on historic resources in the project study area.
- The project team presented the status of the project and preliminary alternative impact analysis results to the WMPO TAC on 3/29/17.
- The Archaeological Predictive Model Update was finalized on 2/13/17.
- The NEPA/Section 404 Merger Team reached Concurrence Point 2 – “Detailed Study Alternatives Carried Forward” on 2/10/14.
- The NEPA/Section 404 Merger Team reached Concurrence Point 1 – “Purpose and Need and Study Area Defined” on 12/12/13.
- Technical documents that have been finalized are available on the project website under “Project Documents.”

Contact Information

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WILMINGTON MPO
TRANSPORTATION PLANNING
NOVEMBER 2017

17TH STREET STREETScape

Project Descriptions/Scope: The 17th Street streetscape project includes upgrades to 17th Street between Wrightsville Avenue and Princess Place Drive. The project provides for a more efficient transportation system by reduced travel speeds, removal of the lateral shift, improved pedestrian crossings, improved safety and enhance the aesthetics of the area. The City awarded the construction contract to Lanier Construction on June 21, 2016. Construction began on August 22, 2016. Construction is complete.

Next Steps:

- Final project close-out

LELAND STREET DESIGN STANDARDS MANUAL

Project Description/Scope: The Town of Leland is partnering with the Wilmington Urban Area MPO to utilize consultant services for the development of street design guidelines. 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 Guidelines will include the provision of conceptual tables/graphics which will more easily convey the impact of standards on the physical landscape to the public and elected officials. Staff from the MPO and Town continue to work on the development of these standards.

Next Steps:

- Consultant submit the final draft typical cross-sections for inclusion in the draft Street Design Guidelines
- Consultant submit the final draft Leland Street Design Guidelines
- Present draft Leland Street Design Guidelines to Town Council for review and comment
- A public workshop will be held on December 4th to review the draft materials.

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.

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: 3 reviews
- New Hanover County Informal Plan Reviews: 3 reviews
- New Hanover Concept Reviews: 1 reviews
- Town of Leland Formal Reviews: 3 reviews
- Town of Leland Informal 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: 15 total (New Hanover County 5, City of Wilmington 8, Carolina Beach 0, Leland 0, Navassa 1, and Pender County 1) new 4 and ongoing 11
- Pender County Development Plan Reviews: 11 reviews
- Pender County Informal Plan Reviews: 2 reviews
- Pender County Concept Reviews: 0 reviews
- City of Wilmington Formal Reviews: 46 (14 new, 32 on-going)
- City of Wilmington Informal Reviews: 29 (4 new, 25 on-going)
- City of Wilmington Concept Reviews: 20 (17 new concept reviews-3 on-going concept)
- COW Project Releases: 10 Full releases

STBGP-DA/TASA-DA FY 2013, 2014 and 2015 Project Status

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 5th.
- Contractor is ordering materials. Work will begin as soon as material is delivered.

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
- Anticipate R/W acquisition completed December 2017
- Bidding anticipated in January 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 75 % plans/ROW plans and project schedule submitted to NCDOT on October 26, 2017
- The Town has submitted a resolution for a 20% match of additional funding
- 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:

- Bid Opening was held September 28, 2017. Bids currently under review.
- The Town is working toward December Board of Transportation meeting for award of additional funds.

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 specs have been submitted to NCDOT for approval
- The City has received the proposed Supplemental Agreement from NCDOT for \$240,000
- The City is preparing the Council package for approval of the Supplemental agreement during the December Council Meeting.
- 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 received by Town – to be submitted to NCDOT for comment
- 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.
- According to previous discussions with MCE, Revised 90% plans anticipated within 5 days following the execution of the amendment.
- 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.
- According to previous discussions with MCE, Revised 90% plans anticipated within 5 days following the execution of the amendment.
- 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:

- The Town is currently reviewing the revised 90% drawings, which will be resubmitted to NCDOT.
- Right of way Certification-TBD
- Encroachment agreement needed once right-of-way finalized
- Let date will be delayed to match up with “J” project.

U-5534J –OLD FAYETTEVILLE LOOP ROAD PEDESTRIAN LOOP

Project Descriptions/Scope: The construction of 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 meeting
- The Town is currently reviewing revised 90% drawings, which will be resubmitted to NCDOT.
- 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:

- The Town is currently reviewing revised 90% drawings
- 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:

- 90% design plans - comments submitted to LJB
- CFPUA comments submitted to LJB
- Next submittal to include specs and revised estimate
- Design completion anticipated November 2017

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:

- 100% Plans and Engineer’s Estimate have been approved by NCDOT
- Finalized contract documents and estimates submitted to NCDOT
- Anticipated let date November/ December 2017

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
- Consultant is providing a revised design scope and schedule based on the drainage issues identified in the 25% plans – once revised survey is complete
- 25 % plans have been submitted to NCDOT for review – comments received, designer correcting
- The City will revise schedule upon outcome of survey issue

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:

- Davenport Engineering manhour estimate has been approved.
- Design to begin

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
- The Town is working on a Letter of Interest (LOI)

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 between NCDOT and City is required for the additional funding. The agreement was approved by the Wilmington City Council on September 5, 2017. The supplemental agreement is on the December Board of Transportation agenda.
- Anticipated Let Date: December 2017

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
- NCDOT is processing the supplemental agreement for funds awarded last spring.

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 November 2017
- Anticipated let date June 2018

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 established 2 park and ride lots in Brunswick County and a ridesharing program that began on January 5, 2015. 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 Wilmington MPO has hired a full-time TDM Coordinator. Pulsar is continuing to develop branding materials and a marketing plan for the Go Coast.

Next Steps:

- Begin development of the Go Coast marketing plan
- 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
- Create Bike Share RFP selection committee



Cape Fear Public Transportation Authority

Project Update

November 2017

REGIONAL AUTHORITY PROJECTS

1. **Bus fleet replacement** - (no change) 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 pursuing other opportunities.

2. **Short Range Transportation Plan** - (no change) following adoption of Cape Fear Transportation 2040 by the Wilmington Metropolitan Planning Organization (WMPO), Wave Transit has begun 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 9 - 12 month 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.

3. **Long Term Funding** - (no significant change) currently, the Authority does not have a dedicated source of local funding. Strategies to meet future revenue requirements will be identified during SRTP development. The Authority has drafted a *Short Range Final Plan* which was adopted on January 26, 2017. The financial plan findings will be reviewed by the SRTP consultant and included in the final plan. A possible study regarding long term funding for transit in the region is being evaluated by the City of Wilmington and New Hanover County.

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 three super stops at Independence Mall, Hanover Center, and Monkey Junction is in the engineering and permitting phase.

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. Stabilization design is complete and stabilization construction is underway. Upon completion of stabilization, renovation will commence with an expected facility dedication to take place in the spring of 2018.

Phase 2 consisting of building stabilization is 95% complete.

Phase 3 consisting of renovation construction is scheduled to be bid in December 2017. Renovation construction is expected to be complete six months from contract award which is expected in late February 2018.
- 2. Preventive Maintenance & ADA** - STP-DA funding in the amount of \$351,000 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 the grant has been submitted to FTA for review. Grant award is expected in November 2017.

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. The allocation does not represent all PM funding to the Authority but will serve to supplement current federal funding.

Upon approval of the grant, funds will be drawn and the project will be complete.
- 3. Preventive Maintenance & ADA** - (no change) 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 in process. 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 September 2017 the Authority provided 1,631 ADA passenger trips. The period of performance for the project is 07/01/2017 through 06/30/2018.
- 4. Replacement CNG Buses** - (no change) In February 2017 the WMPO appropriated \$372,000 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 February 19, 2018 for both vehicles. Grant application with FTA will commence upon completion of the flex funding process from FHWA to FTA.



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

November 2, 2017

WMPO Project Update List
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 December 2017

Final Completion is April 2018

- Contractor has completed the culvert
- Contractor is currently rebuilding 3rd Street, and will begin installing base pavement, curb and sidewalk, next week.
- Currently backfilling the 2nd phase of the culvert under S Front Street.
- Full intersection open to Traffic - schedule remains Early November.

Contractor: Mountain Creek Contractors Inc.

Bid Amount: \$3,156,247.36

Estimated Completion Date: December 2017

Percent Complete: 88.1%

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 15, 2017.

Work will continue on Mt. Misery and Cedar hill road until Spring of 2018.

Roadway:

- Progress on mainline continues as 95% is covered with asphalt.
- Working on guardrail/guiderail.
- Working on grading approach slabs for last incomplete structures on mainline.

Contractor: Barnhill Contracting

Estimated Completion Date: May 2018

Percent Complete: 81.8%

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 15, 2017.

- Structure 3 & 4 over the CSX RR is complete. Grooving will be complete end of Sept.
- Paving is scheduled to be complete by the end of September 2017.
- 90% complete on the roadway portion of the project.



Contractor: Balfour Beatty Infrastructure
Estimated Completion Date: June 2018

Percent Complete: 91.7%

R-3324 – (Long Beach Road Extension: C202155) construct a 2-lane, 2-way roadway from NC 133 (near Jump & Run Creek) to NC 87. Most of this roadway will be on new location.

Contractor: Balfour Beatty Infrastructure

Bid Amount: \$22,082,124.13

Waiting on Final Estimate

Percent Complete: 100%

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.
- Sidewalk, curb and gutter installed from STA 31+08 to 50+00 LT –L-
- Curb and Gutter, installed on Cinema Drive from STA 14+50 to 8+85 LT and RT
- Sidewalk installed on Cinema Dr from STA 14+50 to 8+85 RT

Contractor: Sealand Contractors Corp.

Bid Amount: \$22,000,000.58

Estimated Completion date: November 2018

Percent Complete: 52.7%

Wrightsville Avenue (EB-4411C: DC00119):

Widen for bike lanes on SR 1411 (Wrightsville Ave.) from Huntington Ave. to US 76 (Oleander Drive). Pavement markings have been placed.

Contractor: Highland Paving Company

Bid Amount: \$1,540,740.05

Percent Complete: 100.0%. Waiting on Final Estimate

B-4929: (C203789) Bridge @ Surf City NC 50/210 - replace bridge #16 over the inter-coastal waterway with a fixed span high rise structure. All foundation piles were driven before April 1st.

Contractor placing concrete for columns and bent cap.

Y-1 construction ongoing, utility work to begin Mid Oct.

Contractor: Balfour Beatty Infrastructure

Bid Amount: \$53,651,508.35

Estimated Contract Completion Date November 2020

Percent Complete: 41.9%

B-5236: replace bridge #19 over Lords Creek on SR 1100 (River Road)

Start Date: November 2017

Anticipated Completion date: May 2018

[Future Projects](#)

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

U-4751: 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 - FY2021
***Let Date November 15, 2017**

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

U-5731: US 74 (US 17/US 421 in Wilmington)
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 multilanes 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

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 pvmt 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.)** – 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 2501 (Access Rd. to Monkey Jct.)** – from US 421 to US 421.
- 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: November 2017

Percent Complete: 62.6%

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: November 2017

Percent Complete: 69.0%

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

Percent Complete: 44.2%. Estimated Contract Completion Date: February 2018

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

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: December 2017

Percent Complete: 73.3%

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

Resurfacing Contract: DC00117, Brunswick County:

NC 87/NC 133 (River Road) resurfacing from project limits of R-3324 (Long Beach Road Extension) to SR 1526 (Jabbertown Road)

SR 1100 (Caswell Beach Road) milling & resurfacing from SR 1190 (Oak Island Drive) to end of system

SR 1101 (Fish Factory Road) resurfacing from NC 133 (Long Beach Road) to end of system

SR 1194 (West Street) resurfacing from NC 211 to end of system, in Southport

SR 1209 (9th Street) resurfacing from NC 211 to end of system, in Southport

SR 1210 (Old Bridge Road) resurfacing from NC 133 (Long Beach Road) to end of system

SR 1526 (Jabbertown Road) resurfacing from NC 87 to

SR 1527 (Leonard Street), in Southport

SR 1528 (Moore Street) resurfacing from NC 211 to end of system, in Southport

Contractor: Highland Paving Company

Percent Complete: 100%. Waiting on final estimate

Resurfacing Contract: 2016, C203760, Brunswick County:

US 17 NBL & SBL resurfacing from NC 904 to South Carolina line

SR 1139 (Seashore Road) resurfacing from NC 130 (Holden Beach Road) to

SR 1137 (Boones Neck Road)

SR 1184 (Ocean Isle Beach Road) resurfacing from US 17 to NC 904/179

SR 1241 (Milliken Avenue) resurfacing from

SR 1242 (Beach Drive) resurfacing from NC 179 Bus. to end of the system

SR 1940 (Claremont Drive) resurfacing from SR 1941 (Stratford Place) to end of the system

SR 1941 (Stratford Place) resurfacing from SR 1943 (Country Club Drive) to SR 1940 (Claremont Drive)

SR 1942 (Bruce Lane) resurfacing from SR 1941 (Stratford Place) to SR 1944 (Deep Branch Road)

SR 1944 (Deep Branch Road) resurfacing from SR 1942 (Bruce Lane) to SR 1940 (Claremont Drive)

SR 1813 (Pinewood Drive) resurfacing from SR 1950 (Camelia Drive) to end of system

SR 1943 (Country Club Drive) resurfacing from SR 1949 (Brierwood Road) to SR 1941 (Stratford Place)

SR 1949 (Brierwood Road) resurfacing from SR 1943 (Country Club Drive) to Shallotte City Limits

SR 1950 (Camelia Drive) resurfacing from SR 1141 (Kirby Road) to SR 1813 (Pinewood Drive)

SR 1951 (Driftwood Acres Drive) resurfacing from SR 1950 (Camelia Drive) to end of the system

SR 1952 (Myrtlewood Drive) resurfacing from SR 1950 (Camelia Drive) to end of the system

Percent Complete: 100%

New Contract: Resurfacing Contract: WBS: 2018CPT.03.03.10101, Brunswick County

US 76 E. & W., US 421 N., NC 130, NC 179, NC 904.

No activity to report to date

Additional updates

Resurfacing & System Preservation

Carolina Beach Road – Work should be complete by October

I-40 Pender County (from MM 393 to MM 408) Westbound Friction Course complete, eastbound Mill and Fill is complete. Friction Course is underway.
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

Sunday November 5th – Battleship Half Marathon

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.

Upcoming STIP/Safety Project Let Dates:

September: Ocean Isle Beach Roundabout (re-let)

- **Changes to Project Update List made November 2, 2017**

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



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

November 2017

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Transportation Engineer
NCDOT Transportation Planning Division
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NOVEMBER TPD UPDATES WILMINGTON MPO

November 2017

Wilmington Model Update – The Wilmington 2045 Model Update is ongoing. Data Collection was completed this month. The Transportation Planning Division has sent data collection for verification to the MPO on October 26th. Soon after, TPD will continue with base year model estimation and calibration. The Wilmington MPO will also receive model training from TPD and consultants for new staff beginning of next year.

Wilmington CTP – The Wilmington CTP amendment will begin within the next few months.

Freight Plan – The plan was due to FHWA/USDOT by Oct 1st and was submitted. The plan is now under review by FHWA.

STC Master Plan – There are two consultants that have been hired to complete the STC Master Plan – Atkins and Kimley Horn and Associates. The two consultants are providing their scope of work to NCDOT by end of October/ beginning of November. They will start public outreach sessions beginning of next year. The Corridors to be studied are 1. Bundle 1: P, X & S and 2. Bundle 2: U & D. Please see map on the next page to view the corridors.

Performance Measures – NCDOT is establishing safety targets for 2018. State DOTs and MPOs must follow regulations regarding inclusion of performance measures into the planning

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process, implementation and details of the performance management process (targets and measures). For further details, please contact Daryl Vreeland at the NCDOT Transportation Planning Division.

Corridor Studies Group and New DPE's – These groups are being considered in the Secretary of Transportations office. However, we have not been updated on their statuses.