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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: May 10, 2016
SUBJECT: May 18th meeting

A meeting of the Wilmington Urban Area MPO's Technical Coordinating Committee will be held on Wednesday, May 18th 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) Approval of Minutes
 - a. 4/11/16
- 4) Presentation
 - a. Transportation Demand Management Activities, Adrienne Harrington, WMPO
- 5) Consent Agenda
 - a. Resolution approving the STIP/MTIP Amendments (February)
 - b. Opening of the 30-day public comment period for STIP/MTIP Amendments (May)
 - c. Resolution authorizing the Executive Director to enter into an agreement for use of I-95 Corridor Coalition Traffic Flow Data Program
- 6) Regular Agenda
 - a. Opening of a 14-day public comment period for the Regional Local Input Point Assignment
 - b. Resolution requesting the North Carolina Department of Transportation consider the installation of a crosswalk on North College Road near Laney High School
- 7) Discussion
 - a. Strategic Business Plan Development
 - b. STIP/MTIP Modifications (May)
- 8) Updates
 - a. Crossing over the Cape Fear River
 - b. Wilmington MPO
 - c. Cape Fear Public Transportation Authority
 - d. NCDOT Division

Wilmington Urban Area Metropolitan Planning Organization

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

-
- e. NCDOT Transportation Planning Branch
 - 9) Announcements
 - a. WMPO Bike/Ped Committee Meeting- April 28th
 - 10) Next meeting –June 15, 2016

Attachments:

- Minutes 4/11/16 meeting
- MTIP/STIP Amendments (February)
- Resolution approving the STIP/MTIP Amendments (February)
- STIP/MTIP Amendments (May)
- I-95 Corridor Coalition Traffic Flow Program Data Agreement
- Resolution authorizing the Executive Director to enter into an agreement for the I-95 Corridor Coalition Traffic Flow Data Program
- Preliminary Regional Local Input Point Assignment
- Resolution requesting the North Carolina Department of Transportation consider the installation of a crosswalk on North College Road near Laney High School
- Newspaper Exercise Responses
- STIP/MTIP Modifications (May)
- Cape Fear River Crossing Update (May)
- Wilmington MPO Project Update (May)
- Cape Fear Public Transportation Authority Update (May)
- NCDOT Project Update (May)

**Wilmington Urban Area
Technical Coordinating Committee
Meeting Notes for April 13, 2016**

Members Present:

Mike Kozlosky, City of Wilmington
Don Bennett, City of Wilmington
Ed Parvin, Town of Carolina Beach
Suraiya Motsinger, TDM
Megan O'Hare, Pender County
Trey Burke, Town of Navassa
Robert Waring, Town of Leland
Athina Williams, Town of Belville

Allen Serkin, CFCOG
Brad Schuler, New Hanover County
Helen Bunch, Brunswick County
Whitney Prease, ILM
Patrick Riddle, NCDOT
Adam Snipes, NCDOT Planning Branch
Megan Matheny, WAVE Transit

Others Present

Ron Lucas, FHWA

1. Call to Order

Mr. Kozlosky called the meeting to order at 10:01am.

2. Approval of Minutes

The minutes for the meeting March 13, 2016 were approved unanimously.

3. Presentation

a. Transportation Demand Management Activities Update, Adrienne Harrington, WMPO

Mr. Kozlosky told members that Ms. Harrington was unable to attend today's meeting and the presentation will be moved to next month's meeting.

b. Wilmington Urban Area MPO Website Update, Britt Strait, WMPO

Ms. Strait gave a presentation previewing the new MPO Website. Ms. Strait reviewed the home-page and four of the interior pages and talked about the new format for the information contained on the website. She told members that the website should be "live" by mid-May. A brief question/answer and discussion period followed the presentation.

c. Cape Fear Regional Bike Plan, Allen Serkin, CFRPO

Mr. Serkin gave a presentation on the Cape Fear Regional Bike Plan. He told members that the plan is a collaboration between NCDOT's Bike Pedestrian Division, the Cape Fear Council of Governments and Alta Planning and Design. Mr. Serkin reviewed the guiding concepts and the economic development aspects of the plan. He told members they are currently working on the Public and Stakeholder Engagement element of the plan. He invited members to participate in the plan's public engagement efforts.

d. STI Prioritization Process, Suraiya Motsinger, WMPO

Ms. Motsinger gave a presentation on NCDOT's Statewide Transportation Improvement Prioritization 4.0 Process. A brief question/answer and discussion period followed the presentation.

4. Consent Agenda

- a. **Resolution Authorizing the Executive Director to Enter into an Agreement with the City of Wilmington and NCDOT for the Rail Re-alignment Feasibility Study**
- b. **Resolution to Dissolve the Citizen Advisory Committee**
- c. **Resolution Amending the Wilmington Urban Area MPO Bylaws**
- d. **Opening of the 30-day Public Comment Period for STIP/MTIP Amendments (April)**

Mr. Kozlosky asked the items 4.c. be pulled for discussion.

Ms. Bunch made the motion to approve items a., b. and d. on the consent agenda and forward to the TAC for consideration. Mr. Parvin seconded to motion and it carried unanimously.

Mr. Kozlosky told members that under Article IV – Officers, Section I - Officers Defined staff recommended changing A member of the staff of the City of Wilmington Development Services Department will serve as Secretary to the Committee toA member of the staff of the Wilmington Urban Area Metropolitan Planning Organization will serve as Secretary to the Committee.

Mr. Snipes made the motion to amend the Wilmington Urban Area MPO Bylaws and forward to the TAC for consideration. Mr. Bennett seconded the motion and it carried unanimously.

5. Regular Agenda

- a. **Resolution adopting the Wilmington Urban Area MPO's Mission Statement**

Mr. Kozlosky told members that staff is working through some organizational improvements that were suggested in the 2016 Organization Survey's SWOT Analysis. One of the suggestions was to create a more concise mission statement for the organization.

Mr. Schuler suggested that the word "plans" be changed to "planning efforts" because the MPO does more than just make long-range plans.

Ms. Motsinger made the motion to adopt the Wilmington Urban Area MPO's Mission Statement as amended and forward to the TAC for consideration. Mr. Bennett seconded the motion and it carried unanimously.

6. Discussion

- a. **Draft Local Input Points Assignment**

Mr. Kozlosky told members that staff has not yet received the results from the Statewide Tier and Regional scores. He said staff was notified that the information will be sent out by noon today. He noted that the draft point assignment will be forwarded to members once it's received. Mr. Kozlosky told members that SPOT has extended the deadline for submission of Regional point assignments to June 30th. Staff will bring the draft document to the next meeting along with the opening of the public comment period. That will allow for the adoption of the Regional tier point assignment by the June 30th deadline.

b. Organizational Improvements

Mr. Kozlosky told members that staff is working on the improvements to the organization as suggested from the survey and the TAC retreat in early March. Based on that retreat, staff is working with the TAC on the suggestions for inclusion in the strategic business plan as the goals for the organization.

7. Updates

Updates are included in the agenda packet.

8. Announcements

9. Adjournment

With no further items, the meeting was adjourned at 10:43am.

**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.**

Proposed Revisions to 2016-2025 STIP/MTIP Program

STIP/MTIP Amendments (February)

* W -5700 STATEWIDE	VARIOUS, SIGNAL RETIMING TO IMPROVE SAFETY.		
	<u>NEW PROJECT PROGRAMMED AT REQUEST OF</u>		
	<u>TRANSPORTATION MOBILITY AND SAFETY</u>		
	<u>DIVISION -STI CATEGORY PROGRAMMING</u>		
	<u>SHOW N BELOW .</u>		
* W -5700DIV STATEWIDE PROJ.CATEGORY DIVISION	VARIOUS, SIGNAL RETIMING TO IMPROVE SAFETY.	CONSTRUCTION	FY 2016 - \$600,000 (HSIP)
	<u>NEW PROJECT PROGRAMMED AT REQUEST OF</u>		FY 2017 - \$450,000 (HSIP)
	<u>TRANSPORTATION MOBILITY AND SAFETY</u>		FY 2018 - \$450,000 (HSIP)
	<u>DIVISION - DIVISION NEEDS CATEGORY.</u>		FY 2019 - \$450,000 (HSIP)
			FY 2020 - \$450,000 (HSIP)
			FY 2021 - <u>\$450,000 (HSIP)</u>
			\$2,850,000
* W -5700REG STATEWIDE PROJ.CATEGORY REGIONAL	VARIOUS, SIGNAL RETIMING TO IMPROVE SAFETY.	CONSTRUCTION	FY 2016 - \$600,000 (HSIP)
	<u>NEW PROJECT PROGRAMMED AT REQUEST OF</u>		FY 2017 - \$450,000 (HSIP)
	<u>TRANSPORTATION MOBILITY AND SAFETY</u>		FY 2018 - \$450,000 (HSIP)
	<u>DIVISION - REGIONAL IMPACT CATEGORY.</u>		FY 2019 - \$450,000 (HSIP)
			FY 2020 - \$450,000 (HSIP)
			FY 2021 - <u>\$450,000 (HSIP)</u>
			\$2,850,000

* W -5700SW	VARIOUS, SIGNAL RETIMING TO IMPROVE SAFETY.	CONSTRUCTION	FY 2016 - \$800,000 (HSIP)
STATEWIDE			FY 2017 - \$600,000 (HSIP)
PROJ.CATEGORY	<u>NEW PROJECT PROGRAMMED AT REQUEST OF</u>		FY 2018 - \$600,000 (HSIP)
STATEWIDE	<u>TRANSPORTATION MOBILITY AND SAFETY</u>		FY 2019 - \$600,000 (HSIP)
	<u>DIVISION STATEWIDE STRATEGIC MOBILITY</u>		FY 2020 - \$600,000 (HSIP)
	<u>CATEGORY.</u>		FY 2021 - <u>\$600,000 (HSIP)</u>
			\$3,800,000

ADDITIONS to the Transit 2016-2025 STIP (February)

STIP #	Transit Partner	DESCRIPTION	match	FUND	FY16 (000)	FY17 (000)	FY18 (000)	FY19 (000)	FY20 (000)	FY21 (000)	FY22 (000)
TD-4721	Cape Fear Transportation Authority	Intermodal Facility – Land, Planning, Design, and Construction	FUZ	STPDA	2,400						
			Local	L	600						
TO-5210	Cape Fear Public Transportation Authority	Operating assistance for express fixed route serving Forden Station and Downtown Stations	FUZ	JARC	184						
			Local	L	184						

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
TRANSPORTATION ADVISORY COMMITTEE**

**RESOLUTION APPROVING AMENDMENTS TO THE
2016-2025 STATE /METROPOLITAN TRANSPORTATION IMPROVEMENT
PROGRAMS**

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

WHEREAS, the Transportation Advisory Committee 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 2016-2025 State Transportation Improvement Program on June 4, 2015 and the Wilmington Urban Area Metropolitan Planning Organization adopted the Statewide/Metropolitan Transportation Improvement Program on June 24, 2015; and

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization desires to amend the State/Metropolitan Transportation Improvement Programs to add projects W-5700, W-5700DIV, W-5700REG, W-5700SW, TD-4721 and TO-5210; and

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization has conducted a 30-day public comment period to receive citizen input on these transportation projects.

NOW THEREFORE, be it resolved by the Wilmington Urban Area Metropolitan Planning Organization's Transportation Advisory Committee approves amending 2016-2025 State/Metropolitan Transportation Improvement Programs to add projects W-5700, W-5700DIV, W-5700REG, W-5700SW, TD-4721 and TO-5210.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization Transportation Advisory Committee on May 25, 2016.

Gary Doetsch, Chair
Transportation Advisory Committee

Mike Kozlosky, Secretary

Proposed Revisions to 2016-2025 STIP/MTIP Program

STIP/MTIP Amendments (May)

* Z-5700
STATEWIDE
VARIOUS, HIGHWAY-RAIL GRADE CROSSING
SAFETY IMPROVEMENTS.
NEW PROJECT PROGRAMMED AT REQUEST OF
RAIL DIVISION - STI CATEGORY PROGRAMMING
SHOWN BELOW.

* Z-5700DIV
STATEWIDE
VARIOUS, HIGHWAY-RAIL GRADE CROSSING
SAFETY IMPROVEMENTS.
PROJ.CATEGORY NEW PROJECT PROGRAMMED AT REQUEST OF
DIVISION RAIL DIVISION - DIVISION NEEDS CATEGORY.

RIGHT OF WAY

CONSTRUCTION

FY 2017 - \$150,000 (RR)
FY 2018 - \$150,000 (RR)
FY 2019 - \$150,000 (RR)
FY 2017 - \$900,000 (RR)
FY 2018 - \$900,000 (RR)
FY 2019 - \$900,000 (RR)
\$3,150,000

* Z-5700REG
STATEWIDE
VARIOUS, HIGHWAY-RAIL GRADE CROSSING
SAFETY IMPROVEMENTS.
PROJ.CATEGORY NEW PROJECT PROGRAMMED AT REQUEST OF
REGIONAL RAIL DIVISION - REGIONAL IMPACT CATEGORY.

RIGHT OF WAY

CONSTRUCTION

FY 2017 - \$150,000 (RR)
FY 2018 - \$150,000 (RR)
FY 2019 - \$150,000 (RR)
FY 2017 - \$900,000 (RR)
FY 2018 - \$900,000 (RR)
FY 2019 - \$900,000 (RR)
\$3,150,000

* Z-5700SW	VARIOUS, HIGHWAY-RAIL GRADE CROSSING	RIGHT OF WAY	FY 2017 - \$200,000 (RR)
STATEWIDE	SAFETY IMPROVEMENTS.		FY 2018 - \$200,000 (RR)
PROJ.CATEGORY	<u>NEW PROJECT PROGRAMMED AT REQUEST OF</u>		FY 2019 - \$200,000 (RR)
STATEWIDE	<u>RAIL DIVISION - STATEWIDE STRATEGIC</u>	CONSTRUCTION	FY 2017 - \$1,200,000 (RR)
	<u>MOBILITY CATEGORY.</u>		FY 2018 - \$1,200,000 (RR)
			FY 2019 - <u>\$1,200,000</u> (RR)
			\$4,200,000
* Z-5800	VARIOUS, HIGHWAY-RAIL GRADE CROSSING		
STATEWIDE	SAFETY IMPROVEMENTS.		
	<u>NEW PROJECT PROGRAMMED AT REQUEST OF</u>		
	<u>RAIL DIVISION - STI CATEGORY PROGRAMMING</u>		
	<u>SHOWN BELOW.</u>		
* Z-5800DIV	VARIOUS, HIGHWAY-RAIL GRADE CROSSING	RIGHT OF WAY	FY 2019 - \$150,000 (RR)
STATEWIDE	SAFETY IMPROVEMENTS.		FY 2020 - \$150,000 (RR)
PROJ.CATEGORY	<u>NEW PROJECT PROGRAMMED AT REQUEST OF</u>		FY 2021 - \$150,000 (RR)
DIVISION	<u>RAIL DIVISION - DIVISION NEEDS CATEGORY.</u>	CONSTRUCTION	FY 2019 - \$900,000 (RR)
			FY 2020 - \$900,000 (RR)
			FY 2021 - <u>\$900,000</u> (RR)
			\$3,150,000

* Z-5800REG	VARIOUS, HIGHWAY-RAIL GRADE CROSSING	RIGHT OF WAY	FY 2019 - \$150,000 (RR)
STATEWIDE	SAFETY IMPROVEMENTS.		FY 2020 - \$150,000 (RR)
PROJ.CATEGORY	<u>NEW PROJECT PROGRAMMED AT REQUEST OF</u>		FY 2021 - \$150,000 (RR)
REGIONAL	<u>RAIL DIVISION - REGIONAL IMPACT CATEGORY.</u>	CONSTRUCTION	FY 2019 - \$900,000 (RR)
			FY 2020 - \$900,000 (RR)
			FY 2021 - <u>\$900,000</u> (RR)
			\$3,150,000
* Z-5800SW	VARIOUS, HIGHWAY-RAIL GRADE CROSSING	RIGHT OF WAY	FY 2019 - \$200,000 (RR)
STATEWIDE	SAFETY IMPROVEMENTS.		FY 2020 - \$200,000 (RR)
PROJ.CATEGORY	<u>NEW PROJECT PROGRAMMED AT REQUEST OF</u>		FY 2021 - \$200,000 (RR)
STATEWIDE	<u>RAIL DIVISION - STATEWIDE STRATEGIC</u>	CONSTRUCTION	FY 2019 - \$1,200,000 (RR)
	<u>MOBILITY CATEGORY.</u>		FY 2020 - \$1,200,000 (RR)
			FY 2021 - <u>\$1,200,000</u> (RR)
			\$4,200,000

**I-95 Corridor Coalition Traffic Flow Data Program
R009
Agreement for Use of Data**

- 1.0 This Agreement for Use of Data (“Agreement” or “Data Use Agreement”) is entered into, by and among INRIX, Inc., a corporation organized under the laws of the State of Delaware and having a primary business address set forth in Section 8 below, HERE North America, a limited liability company organized under the laws of the State of Delaware and having a primary business address set forth in Section 8 below, and TomTom North America, Inc., a corporation organized under the laws of the State of California and having a primary business address set forth in Section 8 below (collectively referred to hereinafter as the “Data Vendors”) and

(hereinafter “Data Licensee”), having an address as set forth on the signature page below. Data Vendors and Data Licensee together are hereinafter referred to as the “Parties”.

- 2.0 Background: I-95 Corridor Coalition (hereinafter “Coalition”), an unincorporated coalition of members and affiliate members (collectively referred to herein after as “Coalition Members” or “Coalition Member” in singular), has authorized the University of Maryland (hereinafter “UMD”), an agency and instrumentality of the State of Maryland, to act on behalf of the Coalition to enable the Coalition to continue to serve as a valuable knowledgeable collaborative resource throughout the I-95 Corridor. Acting on behalf of the Coalition, UMD has executed agreements with the Data Vendors under which they have agreed to license real-time traffic data, including travel time, speed, complimentary metrics and associated products provided pursuant to task orders (hereinafter referred to as “Licensed Data”) to Coalition Members and their subcontractors under the following agreements: UMD and INRIX have executed contract # 83794N-1-INRIX ; UMD and HERE North America have executed contract # 83794N-2-HERE ; and UMD and TomTom North America have executed contract # 83794N-3-TomTom (collectively hereinafter referred to as the “Contracts”).

This Agreement, to be executed by all Data Vendors and Data Licensees, sets forth the terms and conditions under which Coalition Members and their subcontractors may access and use any Licensed Data purchased through the Contracts, irrespective of geography or time; for appropriate use of and liability for misuse of Licensed Data; and warranties regarding Licensed Data.

For the avoidance of doubt, Data Licensee acknowledges that Data Vendors’ obligation to deliver the Licensed Data to Data Licensee is limited to the duration and the terms of active task orders under the applicable Contracts. The foregoing shall be without prejudice to Data Licensee’s right to use the Licensed Data that it has received as set forth in clause 4.0 below.

- 3.0 Certification: Data Licensee certifies that it is a member or affiliate member of the Coalition in good standing or an entity under contract to a Data Licensee (that may include universities) that directly supports a Coalition Member in good standing via a written agreement (hereinafter

referred to as ‘Subcontractor’), and requires and is authorized to access/use the Licensed Data procured under the Contracts.

If Data Licensee is a Subcontractor, it shall complete Attachment A to this Agreement, which shall be incorporated as part of this Agreement. Coalition Members shall notify all Data Vendors and UMD upon the termination of its written agreement with any Subcontractor.

Data Vendors agree that Data Licensee is entitled to access and use Licensed Data under the terms of this Data Use Agreement. Notwithstanding whether Data Licensee elects to purchase or not purchase Licensed Data for its particular jurisdiction, Data Vendors agree that Data Licensee is entitled to access and use, at no cost, Licensed Data purchased by any Coalition Member, subject to the terms of this Data Use Agreement.

- 4.0 Grant of License: Data Vendors hereby grant Data Licensee a nonexclusive, fully paid up right and license to reproduce, use, distribute, make derivative works based on, and archive Licensed Data consistent with Data Licensee’s traffic management, operations and planning responsibilities. Data Licensee is entitled to receive all Licensed Data purchased by any Coalition Member regardless of geographical or political boundaries of Data Licensee’s respective jurisdiction.
- 5.0 Rights and Limitations of License: The license granted under this Agreement is subject to the following restrictions:
- (a) Data Licensee shall not have the right to sell or otherwise transfer or disclose Licensed Data either to public or private entities that are not licensed to receive such data without prior written authorization from Data Vendors unless Data Licensee is required by applicable laws or regulations or pursuant to an order of a court of competent jurisdiction or a valid administrative or congressional subpoena to disclose Licensed Data. In that event, Data Licensee shall provide the affected Data Vendors prompt notice of the demand, unless prohibited by law, so they may take appropriate action to prevent disclosure, if they wish. Data Licensee shall provide a copy of any such notice to UMD. Nothing herein shall be deemed to authorize Data Licensee not to comply with any lawful order pending action by Data Vendors.
 - (b) Data Licensee shall limit access to Licensed Data to those of its employees and subcontractors who have a need to access and use Licensed Data in order to fulfill their contractual duties and shall require all such persons authorized to access and use Licensed Data to agree to abide by the terms of this Data Use Agreement. Any Data Licensee that desires access to Licensed Data for purposes not authorized by this Agreement must negotiate directly with Data Vendors to acquire such additional access and rights.
 - (c) Data Licensee may disseminate real-time traffic data delivered by Data Vendors to the public, subject to the following restrictions:
 - i. Licensed Data may only be disseminated to the public using dynamic message signs (also known as variable message signs), portable message signs, highway advisory

radio, 511 information systems, and Coalition Members' supported websites, web services, social media, and smart phone applications; and

- ii. Licensed Data disseminated to the public shall be restricted solely to travel times and speeds only that is disseminated via dynamic message signs (also known as variable message signs), portable message signs, highway advisory radio, telephone-based 511 information systems; and
- iii. This Agreement does not place any restrictions on dissemination of data to the public through Coalition Members' supported websites, web services, social media, and smart phone applications, including web-based 511 information systems.

- (d) The license granted by Data Vendors to Data Licensee authorizes Data Licensee to create visualizations and summary statistics of the archived traffic data (i.e., maps, graphs, charts, tables, etc.) for presentation and distribution to the general public ("Derivative Works"). Data Licensee shall own all copyrights in all such Derivative Works to the extent those works are protected by copyright.
- (e) Nothing in this Agreement shall preclude Data Licensee from distributing, displaying or otherwise presenting any traffic data or derivative works deemed essential to the safety of the traveling public.

6.0 Right to Acquire Non-Licensed Data: Nothing in this Agreement shall prohibit Data Licensee from acquiring, displaying or otherwise presenting or sharing information that Data Licensee has obtained from sources other than Data Vendors.

7.0 Prevention of Unauthorized Use: Data Licensee will cooperate with Data Vendors to protect the commercial value of Licensed Data by taking such measures as:

- (a) retaining all proprietary or restricted use notices included on Licensed Data as received; and
- (b) not obstructing or modifying proprietary or restricted use notices included on Licensed Data as received; and
- (c) ensuring that all copies of Licensed Data include all proprietary or restricted use notices included on Licensed Data as received . To the extent Data Vendors do not include any proprietary or restricted use notices on Licensed Data as delivered to Data Licensee, Data Licensee shall insert, at a minimum, the following notice on any copies of Licensed Data that Data Licensee makes: "PROPRIETARY INFORMATION OF DATA VENDOR. USE BY ENTITIES OTHER THAN AUTHORIZED, LICENSED USERS PROHIBITED"; and
- (d) storing and disseminating Licensed Data using methods, communication mediums and technologies that provide reasonable protections against their unlawful copying and unauthorized access and use.

8.0 Notice of Unauthorized Use: In the event Data Licensee becomes aware of an inappropriate use or unauthorized disclosure of Licensed Data, Data Licensee shall provide immediate verbal

notice as soon as practicable and subsequent written notice within 24 hours of its verbal notice to UMD and to the Data Vendor(s) whose data are the subject of inappropriate use or unauthorized disclosure as follows:

University of Maryland Program Managers

Dr. Stanley Young Kathleen Frankle (or designee)
301-405-3096, 410-414-2925
seyoung@umd.edu, kfrankle@umd.edu
Department of Civil and Environmental Engineering
University of Maryland
2200 Technology Ventures Building
College Park, Maryland 20742-3021

INRIX Inc.

Mr. Rick Schuman- Program Manager
407-298-4346 Rick@inrix.com
10210 NE Points Dr., Suite 300
Kirkland, WA 98033

HERE North America LLC

Mr. Keith Hangland, Account Representative
408-789-8264 keith.hangland@here.com
425 West Randolph Street
Chicago, IL 60606

TomTom North America, Inc.

Attn: Legal Department
11 Lafayette Street
Lebanon, NH 03766-1445 USA
Telephone: (800) 331-7881
Facsimile: (603) 653-0249
Email: aeglegal@tomtom.com

Subject to the above paragraph, all notices and approvals required to be made under this Agreement shall be made in writing and delivered (i) in person; (ii) by facsimile, with confirmation of transmission, (iii) by electronic mail (email) with return confirmation of delivery, or (iv) by first class mail, postage prepaid and addressed to the contact for each party specified above or such other person and address as each party may hereafter designate in writing. Notice shall be deemed effective upon receipt.

- 9.0 Indemnification: Data Vendors hereby indemnify and agree to hold harmless UMD, Data Licensees and their respective officers, employees and agents from and against any and all claims, actions, costs, judgments or damages of any type arising out of an allegation that Licensed Data infringes the intellectual property or proprietary rights of any third party or a breach of the representations and warranties of Data Vendors.
- (a) Upon becoming aware of an allegation of infringement or a breach of a Data Vendor's representations and warranties, Data Licensee shall promptly notify the affected Data Vendor(s) and UMD.
- (b) Data Vendors' duty to indemnify is conditioned upon (i) Data Vendors having sole control of the defense and settlement of the claim (provided that Data Vendors may not settle or compromise or defend any claim unless they unconditionally release all other parties from all liability, and further provided that Data Vendors must obtain prior approval of any such settlement or compromise from counsel for UMD and the Data Licensee which shall not be unreasonably withheld or delayed); (ii) Data Licensee provides, at Data Vendors' expense, information and reasonable assistance upon Data Vendors' request; and (iii) Data Licensee has not already compromised or settled the claim.
- 10.0 Liability: Under no circumstance will Data Licensee be responsible for another Data Licensee's breach of its duties under this Data Use Agreement. Each Data Licensee shall be liable for its

own violations of this Agreement.. IN NO EVENT WILL ANY PARTY OR ITS OFFICERS, AGENTS, OR EMPLOYEES BE LIABLE TO THE OTHER PARTIES FOR ANY INCIDENTAL, SPECIAL, INDIRECT, EXEMPLARY OR CONSEQUENTIAL DAMAGES OF ANY KIND, INCLUDING BUSINESS EXPENSE, MACHINE DOWN TIME, LOSS OF PROFITS, OR DAMAGE OR INJURY TO PROPERTY FOR ANY CLAIMS, DEMANDS OR DAMAGES ARISING OUT OF OR RELATED TO THE PERFORMANCE OR ITS OBLIGATIONS UNDER THIS AGREEMENT OR THE USE OF LICENSED DATA BY ANYONE EVEN IF THE PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

11.0 Term and Termination

- (a) This Agreement will commence with respect to an individual Data Licensee as of the last date of execution by each Data Vendor, the Data Licensee, and the UMD representative affirming the good standing of the Data Licensee.
- (b) This Agreement will terminate upon the occurrence of any of the following:
 - (i) One or more Data Vendors or UMD gives written notice to Data Licensee of its breach of one or more obligations under this Agreement and Data Licensee's failure to cure its breach within thirty (30) days of receipt of notice of breach; or
 - (ii) UMD notifies Data Vendors and Data Licensee that Data Licensee is not a member or affiliate member in good standing of the I-95 Corridor Coalition and Data Licensee fails to restore its good standing within thirty (30) days of receipt of notice; or
 - (iii) A Coalition Member or its Subcontractor gives written notice to the Data Vendors and UMD that Subcontractor no longer has a need to access/use Licensed Data in which case this Agreement will terminate only with respect to the Subcontractor; or
 - (iv) Data Licensee gives written notice to Data Vendors and UMD that it wishes to terminate this Agreement.

Notices shall be provided to the addresses listed in Section 8.0 above.

Except for the reasons stated above, this Agreement will remain in effect and will not terminate.

- (c) Termination under section 11.0(b) (i) and (ii) will become effective upon expiration of the 30-day period if the breach has not been cured. Termination under Section 11.0(b) (iii) and (iv) will become effective immediately upon receipt of notice.
- (d) In the event of termination of this Agreement:
 - (i) Data Vendor will cease to provide Licensed Data to Data Licensee; and
 - (ii) Data Licensee will no longer be able to access Licensed Data maintained in archives and analysis tools at UMD; and
 - (iii) Data Licensee must destroy any and all Licensed Data in its possession and certify their destruction to UMD within thirty (30) days of the effective date of termination

12.0 Representations and Warranties

- (a) Data Vendors represent and warrant that all Licensed Data shall be original and unencumbered.
- (b) Data Vendors represent and warrant that they either own the Licensed Data or are authorized by the owner(s) of Licensed Data to grant licenses to Data Licensees under this Agreement or that Licensed Data are in the public domain.

13.0 General

- (a) The validity, interpretation and effect of this Agreement shall be governed by the laws of the state where Data Licensee is located without regard to its conflicts of laws rules when Data Licensee is an agency or instrumentality of state government.
- (b) No Party may assign its rights or obligations under this Agreement, except with the prior written approval of the other Parties. Such approval will not be unreasonably withheld.
- (c) This Agreement may be modified only by written agreement of authorized representatives of all Parties.
- (d) This Agreement supersedes any previously executed agreement between Data Licensee and Data Vendor/s with respect to Licensed Data.
- (e) Nothing herein shall be construed to create a partnership, joint venture, or teaming agreement between or among the Parties and nothing herein shall be construed to imply that any Party's employees are employees of another Party.
- (f) The Parties shall use their best efforts to resolve any disagreement that arises out of this Agreement amicably.
- (g) No provision of this Agreement shall be waived unless in writing and signed by all Parties to this Agreement. The waiver of any provision of this Agreement shall not be deemed to be a continuing waiver or the waiver of any other provision of this Agreement.
- (h) If any one or more of the provisions contained in this Agreement is held to be invalid, illegal, or unenforceable in any respect for any reason, then such invalidity, illegality, or unenforceability shall not affect any other provision hereof or any other application of the affected provision.
- (i) This Agreement, together with Attachment A (if applicable), embodies the entire understanding between and among the Parties. There are no contracts, understandings, conditions, warranties or representations, oral or written, express or implied, with reference to the subject matter hereof which are not merged herein.
- (j) This Agreement may be executed in counterparts, all of which when taken together

will be deemed one original. The Parties agree to accept digital delivery of this executed Agreement.

Signature page follows

By signing below, the Parties certify that they agree to the above terms and are duly authorized to bind their respective entities.

Data Licensee (agency, affiliate, subcontractor)

By: _____
Name: _____

Date _____

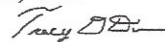
Title

Address

Name and Title of Primary Contact:

Telephone/Facsimile/E-mail

INRIX, Inc. Signed by:

By:  _____

Name: 47C01DE5D045418...

Date 18 November 2014

Name:

General Counsel

Title

HERE North America, LLC

By:  _____

Name:

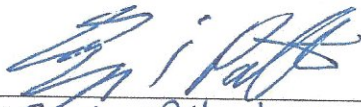
**Lori Bellows
Director**

Date

11/20/14

Title

TomTom North America, Inc.

By: 

Name: Eoster Paltantys

Date 21 November 2014

SVP, Maps
Title

UNIVERSITY OF MARYLAND CERTIFICATION

University of Maryland hereby certifies that as of the date below, Data Licensee is a Coalition Member or affiliate in good standing, or a Subcontractor of a Coalition Member or affiliate in good standing.

By: _____

Kathleen Frankle

Program Manager

I-95 Corridor Coalition

Date _____

ATTACHMENT A
Any Data Licensee that is
a Subcontractor must provide the following information
About its Contract with a Member/Affiliate to "Establish Need to Know"

1. Name and Address of Subcontractor/Data Licensee:

2. Contractor from whom data is requested (check all that apply)

____ INRIX

____ Here North America

____ TomTom

3. Explain why You Need Access to Licensed Data:

4. Prime Contract/Subcontract Source

5. Contract/Agreement Number

6. Contract/Agreement Period-of-Performance:

From: _____ to: _____

7. Contact Information from Contracting Agency (Coalition Member/Affiliate):

Name: _____ Phone: _____

E-mail Address: _____

Subcontractor's authorized official certifies that the information provided above is current and accurate.

By: _____ Date _____

Name and Title: _____

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
TRANSPORTATION ADVISORY COMMITTEE**

**RESOLUTION AUTHORIZING THE EXECUTIVE DIRECTOR TO ENTER INTO AN
AGREEMENT FOR I-95 CORRIDOR COALITION TRAFFIC FLOW PROGRAM**

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

WHEREAS, an I-95 Corridor Coalition is an alliance of transportation agencies, toll authorities, and related organizations from the State of Maine to the State of Florida, with affiliate members in Canada with the purpose of providing a forum for key decision and policy makers to address transportation management and operations issues of common interest; and

WHEREAS, the I-95 Corridor Coalition strives to provide organizational and technical support to foster learning and information sharing among Coalition member organizations; and

WHEREAS, the Wilmington Urban Area Metropolitan Planning Organization's Transportation Advisory Committee approved seeking affiliate-level membership in the I-95 Corridor Coalition on October 31, 2012 in order to utilize technical support including INRIX data services; and

WHEREAS, utilization of INRIX data by affiliate members of the I-95 Corridor Coalition is secured through a written agreement.

NOW, THEREFORE, BE IT RESOLVED, that the Wilmington Metropolitan Planning Organization's Transportation Advisory Committee hereby authorizes the Executive Director to enter into an agreement for the I-95 Coalition Traffic Flow Program Data.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization Transportation Advisory Committee on May 25, 2016.

Gary Doetsch, Chair
Transportation Advisory Committee

Mike Kozlosky, Secretary

	SPOT ID	Project Category	TIP	Project Name	From	To	Description	NCDOT Estimate	Raw Regional P 4.0 score (out of 70)	SPOT 4.0 Regional Impact Score	Includes Multi-modal Accommodations	WMPO P 3.0 Adopted Point Allocation	Consistency with Plans	Status of Project in Development	Total	Recommended Regional Tier Local Input Point Allocation	Justification of Point Allocation
1	H110981	Regional Impact	U-5734	US 421 (Front Street)	US 17 Business/76/421 (Cape Fear Memorial Bridge)	US 421 (Burnett Boulevard)	Widen to Four Lane Divided Arterial, Add Multi-Use Path and Sidewalk	\$ 26,000,000	44.21	63.16	100	100	100	50	82.6	100	
2	H110980	Regional Impact	U-5863	NC 133	I-140/US17 (Wilmington Bypass)	Division Drive	Widen Highway, Add Multi-Use Path	\$ 21,233,000	39.30	56.14	100	100	100	50	81.2	100	Feasibility study indicates a need to delay project
3	H110989	Regional Impact	U-5869	US 17 BUS	US 17 (South 17th Street)	Covil Avenue	Construct a Road Diet, Add Bicycle Lanes	\$ 3,004,000	35.46	50.66	100	100	100	25	75.1	-	
4	H090713	Regional Impact		NC 133	Rabon Way SE	US 177/4/76	Widen NC 133 (River Road) from the south of Rabon Way SE to the interchange at US 177/4/76	\$ 52,300,000	23.87	34.10	100	100	100	0	66.8	100	
5	H110988	Regional Impact		US 421 (Carolina Beach)	US 117 (Shipyard Boulevard)	George Anderson Drive	Upgrade Arterial By Adding a Landscaped Median	\$ 16,150,000	33.05	47.21	100	100	50	0	59.4	100	
6	H149006-A	Regional Impact	U-5702	NC 132 (College Road)	US 421 (Carolina Beach Road)	US 117 (Shipyard Boulevard)	Implement access management and median modification improvements	\$ 10,311,000	32.97	47.10	100	0	100	50	59.4	100	
7	H129646	Statewide Mobility	U-4738	(New Route - Cape Fear Crossings)	US 17 in Brunswick County	US 421 (Independence Boulevard) in New Hanover County	Construct Freeway on New Location with a Structure Over the Cape Fear River (toll)	\$ 921,000,000	37.98	54.26	100	0	100	25	55.9	100	
8	H150357	Regional Impact		US 17 (Market Street), SR 1272 (New Center Drive)	New Center Drive		Improve intersection at Market Street & New Center Drive	\$ 668,000	51.24	73.20	100	0	100	0	54.6	100	
9	H150020	Regional Impact		NC 133 (Castle Hayne Road)	North 23rd Street		Construct a roundabout on NC133/Castle Hayne Road at N 23rd Street	\$ 1,030,000	42.72	61.03	100	0	100	0	52.2	100	
10	H150021	Regional Impact		US 76 (Oleander Drive)	Greenville Loop Road		Add dual left turn lanes from US76/Oleander Drive to Greenville Loop Road with some widening on Greenville Loop Road for a receiving lane	\$ 434,000	34.76	49.66	100	0	100	0	49.9	100	
11	H090360	Regional Impact		NC 133 (Castle Hayne Road)	US 74 (Martin Luther King, Jr. Parkway)	SR 1002 (Holly Shelter Road)	Widen Castle Hayne Road to multi-lanes from US74/Martin Luther King, Jr. Parkway to SR1002/Holly Shelter Road	\$ 77,377,000	32.70	46.71	100	0	100	0	49.3	100	
12	H090215-A	Statewide Mobility	R-3300	US 17 (New Route - Hampstead Bypass)	US 17 Bypass South of Hampstead (at Military Cutoff Road Extension)	NC 210	Construct Freeway on New Location.	\$ 149,683,000	37.93	54.19	0	0	100	25	35.8	100	
13	H090215-B	Statewide Mobility	R-3300	US 17 (New Route - Hampstead Bypass)	NC 210	US 17 North of Hampstead near SR 1563 (Sloop Point Loop Road)	Construct Freeway on New Location.	\$ 132,792,000	36.26	51.80	0	0	100	25	35.4	100	
14	T150466	Regional Impact		Route 201 Amenity Upgrades	N/A	N/A	Install new/upgraded amenities at bus stops along WAVE Transit fixed-route number 201	\$ 60,000	45.15	64.50	100	0	100	0	72.9	100	
15	T150465	Regional Impact		Route 106 Amenity Upgrades	N/A	N/A	Install new/upgraded amenities at bus stops along WAVE Transit fixed-route number 106.	\$ 75,000	41.49	59.27	100	0	100	0	71.9	100	
16	T150468	Regional Impact		Route 204 Amenity Upgrades	N/A	N/A	Install new/upgraded amenities at bus stops along WAVE Transit fixed-route number 204	\$ 135,000	33.61	48.01	100	0	100	0	69.6	100	
17	T150469	Regional Impact		Route 205 Amenity Upgrades	N/A	N/A	Install new/upgraded amenities at bus stops along WAVE Transit fixed-route number 205	\$ 165,000	32.27	46.10	100	0	100	0	29.2		
18	T150255	Regional Impact		Route 101 Amenity Upgrades	N/A	N/A	Install new/upgraded amenities at bus stops along WAVE Transit fixed-route number 101	\$ 195,000	31.17	44.53	100	0	100	0	28.9		
19	H090287-AG	Statewide Mobility	R-4462	US 74 , US 76	East of NC 87 (Maco Road)	SR 1426 (Mount Misery Road)	Upgrade Roadway to interstate Standards	\$ 56,783,000	31.09	44.41	0	0	100	0	28.9		
20	T150467	Regional Impact		Route 202 Amenity Upgrades	N/A	N/A	Install new/upgraded amenities at bus stops along WAVE Transit fixed-route number 202	\$ 135,000	30.87	44.10	100	0	100	0	28.8		
21	T150438	Regional Impact		Route 103 Amenity Upgrades	N/A	N/A	Install new/upgraded amenities at bus stops along WAVE Transit fixed-route number 103	\$ 120,000	29.35	41.93	100	0	100	0	28.4		
22	T150464	Regional Impact		Route 104 Amenity Upgrades	N/A	N/A	Install new/upgraded amenities at bus stops along WAVE Transit fixed-route number 104	\$ 105,000	26.80	38.29	100	0	100	0	27.7		

**WILMINGTON URBAN AREA METROPOLITAN PLANNING ORGANIZATION
TRANSPORTATION ADVISORY COMMITTEE**

**RESOLUTION REQUESTING THE NORTH CAROLINA DEPARTMENT OF
TRANSPORTATION CONSIDER THE INSTALLATION OF A CROSSWALK ON NORTH
COLLEGE ROAD NEAR LANEY HIGH SCHOOL**

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 adopted Wilmington Urban Area Metropolitan Planning Organization Comprehensive Transportation Plan includes the widening of North College Road from Murrayville Road to NC 133/Castle Hayne Road; and

WHEREAS, Cape Fear Transportation 2040 identifies a number of bicycle and pedestrian projects to include improvements on North College from New Town Road to Denny Pence Drive, from Northchase Parkway to New Village Way and from New Village Way to Bavarian Lane; and

WHEREAS, the construction of bicycle and pedestrian improvements from New Town Road to Denny Pence Drive are identified in the adopted MTIP/STIP for funding in 2024; and

WHEREAS, Cape Fear Transportation 2040 also includes the installation of mass transportation amenities on North College Road at Danny Pence Drive; and

WHEREAS, the adopted Wilmington/New Hanover Comprehensive Greenway Plan suggests a greenway be installed along the west side of North College Road, and that it continue on the east side of the road from Northchase Parkway NE to the southern portion of Laney High School where it would then head east to Olsen Park; and

WHEREAS, there is a mix of uses along North College Road including residential, commercial, school and a link to Olsen Park; and

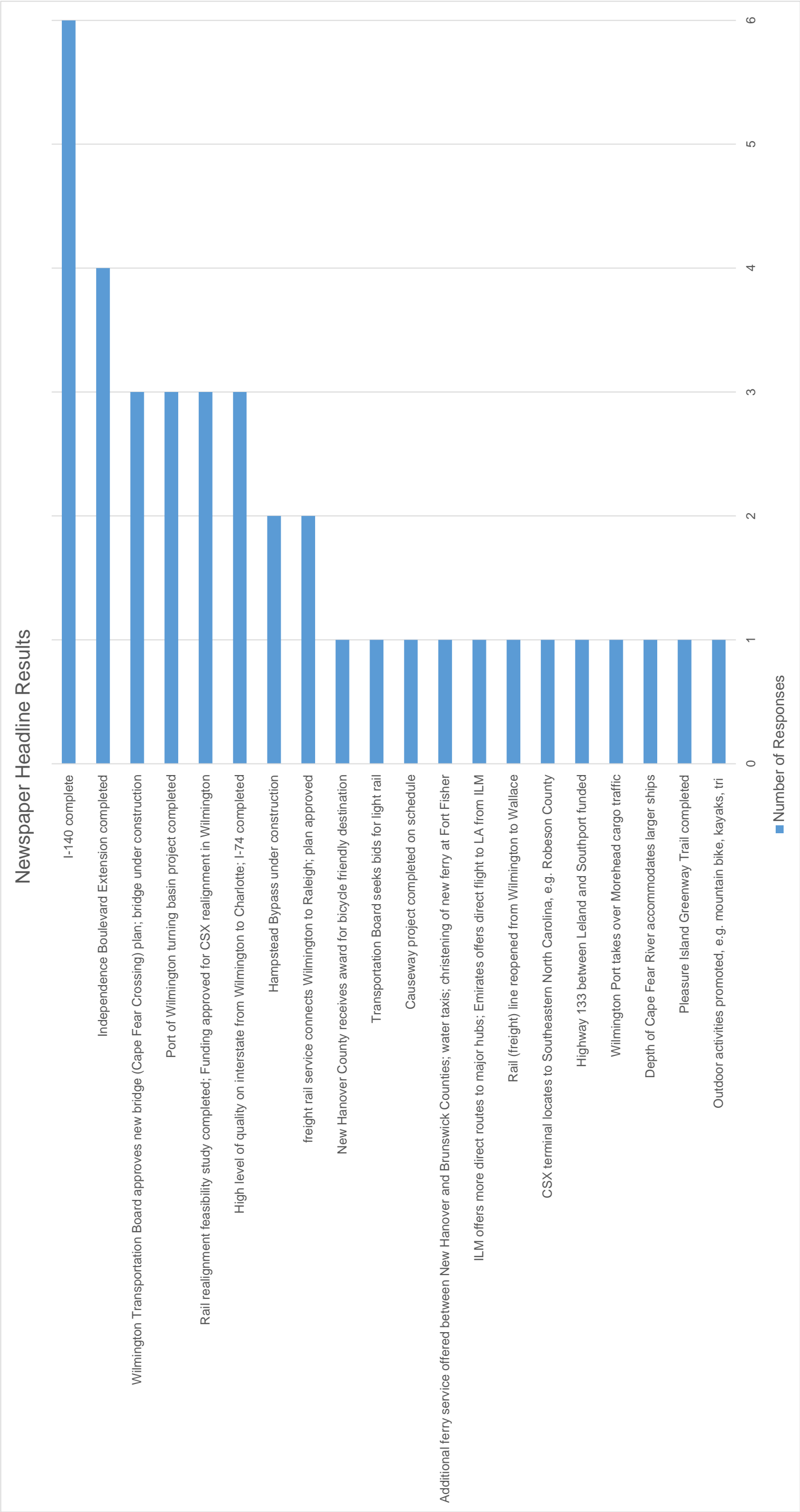
WHEREAS, with future development in this area bicycle and pedestrian activities will increase along this corridor.

NOW THEREFORE, be it resolved by the Wilmington Urban Area Metropolitan Planning Organization's Transportation Advisory Committee hereby requests the North Carolina Department of Transportation consider the installation of a crosswalk on North College Road near Laney High School to facilitate the safe crossing of North College Road.

ADOPTED at a regular meeting of the Wilmington Urban Area Metropolitan Planning Organization Transportation Advisory Committee on May 25, 2016.

Gary Doetsch, Chair
Transportation Advisory Committee

Mike Kozlosky, Secretary



Proposed Revisions to 2016-2025 STIP/MTIP Program

STIP/MTIP Modifications (May)

U-4902C NEW HANOVER PROJ.CATEGORY STATEWIDE	US 17 BUSINESS (MARKET STREET), MARTIN LUTHER KING JR., BOULEVARD TO STATION ROAD. <u>DELAY RIGHT-OF-WAY FROM FY 16 TO FY 17</u> <u>AND CONSTRUCTION FROM FY 18 TO FY 19</u> <u>BASED ON CLARIFICATION OF SCHEDULES.</u>	RIGHT OF WAY CONSTRUCTION	FY 2017 - \$125,000 (T) FY 2019 - \$1,700,000 (T) FY 2020 - <u>\$1,700,000</u> (T) \$3,525,000
U-4902D NEW HANOVER PROJ.CATEGORY STATEWIDE	US 17 BUSINESS (MARKET STREET), LENDIRE ROAD TO SR 2734 (MARSH OAKS DRIVE). <u>DELAY RIGHT-OF-WAY FROM FY 16 TO FY 17</u> <u>AND CONSTRUCTION FROM FY 18 TO FY 19</u> <u>BASED ON CLARIFICATION OF SCHEDULES.</u>	RIGHT OF WAY CONSTRUCTION	FY 2017 - \$250,000 (T) FY 2019 - \$3,150,000 (T) FY 2020 - <u>\$3,150,000</u> (T) \$6,550,000
U-5732 PENDER PROJ.CATEGORY REGIONAL	US 17, SR 1582 (WASHINGTON ACRES ROAD) TO SR 1563 (SLOOP POINT LOOP ROAD). CONVERT TO SUPERSTREET. <u>DELAY CONSTRUCTION FROM FY 20 TO FY 21</u> <u>BASED ON CLARIFICATION OF SCHEDULES.</u>	RIGHT OF WAY UTILITIES CONSTRUCTION	FY 2018 - \$4,724,000 (T) FY 2018 - \$567,000 (T) FY 2021 - \$4,706,000 (T) FY 2022 - \$4,706,000 (T) FY 2023 - <u>\$4,707,000</u> (T) \$19,410,000

* C-5571	NORTH CAROLINA RAILROAD, NCDOT	IMPLEMENTATION	FY 2016 - \$818,000 (CMAQ)
STATEWIDE	PIEDMONT AND CAROLINIAN PASSENGER RAIL		FY 2017 - <u>\$819,000</u> (CMAQ)
PROJ.CATEGORY EXEMPT	SERVICES. PUBLIC OUTREACH AND AWARENESS PROGRAM. <u>ADD IMPLEMENTATION IN FY 17 NOT PREVIOUSLY PROGRAMMED, AT REQUEST OF TRANSPORTATION PLANNING BRANCH.</u>		\$1,637,000
* Z-5400DIV	VARIOUS, HIGHWAY-RAIL GRADE CROSSING	RIGHT OF WAY	FY 2016 - \$150,000 (RR)
STATEWIDE	SAFETY IMPROVEMENTS.		FY 2017 - \$150,000 (RR)
PROJ.CATEGORY DIVISION	<u>ADD RIGHT OF WAY AND CONSTRUCTION IN FY 17 NOT PREVIOUSLY PROGRAMMED, AT REQUEST OF RAIL DIVISION.</u>	CONSTRUCTION	FY 2016 - \$900,000 (RR)
			FY 2017 - <u>\$900,000</u> (RR)
			\$2,100,000
* Z-5400REG	VARIOUS, HIGHWAY-RAIL GRADE CROSSING	RIGHT OF WAY	FY 2016 - \$150,000 (RR)
STATEWIDE	SAFETY IMPROVEMENTS.		FY 2017 - \$150,000 (RR)
PROJ.CATEGORY REGIONAL	<u>ADD RIGHT OF WAY AND CONSTRUCTION IN FY 17 NOT PREVIOUSLY PROGRAMMED, AT REQUEST OF RAIL DIVISION.</u>	CONSTRUCTION	FY 2016 - \$900,000 (RR)
			FY 2017 - <u>\$900,000</u> (RR)
			\$2,100,000
* Z-5400SW	VARIOUS, HIGHWAY-RAIL GRADE CROSSING	RIGHT OF WAY	FY 2016 - \$200,000 (RR)
STATEWIDE	SAFETY IMPROVEMENTS.		FY 2017 - \$200,000 (RR)
PROJ.CATEGORY STATEWIDE	<u>ADD RIGHT OF WAY AND CONSTRUCTION IN FY 17 NOT PREVIOUSLY PROGRAMMED, AT REQUEST OF RAIL DIVISION.</u>	CONSTRUCTION	FY 2016 - \$1,200,000 (RR)
			FY 2017 - <u>\$1,200,000</u> (RR)
			\$2,800,000



Cape Fear Crossing

STIP U-4738

Brunswick and New Hanover Counties

PROJECT STATUS REPORT

May 2, 2016

Project Description

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.

Current Status

The following list includes completed and ongoing tasks during the month of April:

- The project team continues to coordinate and correspond with project stakeholders.
- Functional Design Plans for the 12 detailed study alternatives (DSAs) were completed on 4/20/16.
- Hydraulic analysis of the DSAs is ongoing.
- The Draft Hurricane Evacuation Analysis Technical Memorandum has been submitted to NCDOT and the New Hanover and Brunswick County emergency management departments for review.
- The Historic Architecture Eligibility Report has been accepted by NCDOT and reviewed by the North Carolina State Historic Preservation Office (SHPO). An updated eligibility report has been sent to SHPO for review. The project team will meet with SHPO in the next few months to determine potential effects to these resources from the DSAs.
- Studies for the Traffic Noise Analysis and Air Quality Analysis are ongoing.
- An update to the Draft Natural Resources Technical Report is ongoing.
- A Sea Level Rise Assessment of the DSAs is ongoing.
- Utility plans and relocation estimates were finalized on 4/05/16.
- NCDOT is currently evaluating an additional alternative proposed by the WMPO near the Port of Wilmington. There are currently 12 alternatives being designed and evaluated for inclusion in the draft environmental document. NCDOT is coordinating with the NCSPA regarding this alternative; if it is determined this alternative is reasonable, studies may need to be redone to include this alternative.
- The Cape Fear Crossing project is programmed in the 2016-2025 STIP for planning and environmental studies only using STPDA funding from the Wilmington MPO.
- The project team will plan to present the status of the project to the WMPO TAC before the next NEPA/Section 404 Merger Team Meeting.

Contact Information

NCDOT – Charles Cox, ccox@ndcot.gov, 919.707.6016

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

WILMINGTON MPO
TRANSPORTATION PLANNING
MAY 2016

CONGESTION MANAGEMENT PROCESS

Project Description/Scope: Comply with a Federal mandate to create and adopt a process to evaluate the region's most congested corridors through locally-defined multi-modal performance measures in an effort to suggest improvements that would alleviate traffic congestion in the region. The CMP was adopted by the TAC on December 11, 2013. Data collection procedures have been developed. A schedule for collection logistics has been drafted and data collection will continuously be monitored and updated as needed.

Next Steps:

- Continue data collection and monitoring of congestion
- Document data collection in a Biennial Report

COLLEGE ROAD UPGRADES (U-5702), (U-5704) and (U-5792)

Project Description/Scope: The Strategic Transportation Investments is a new formula to determine how the North Carolina Department of Transportation (NCDOT), in partnership with local governments, will fund and prioritize transportation projects in the state of North Carolina. The Strategic Transportation Investment Formula allocates funding at the statewide, regional and division tiers. Prioritization 3.0 was the process used to determine the projects that are to be funded in the State's Transportation Improvement Program (STIP). The adopted 2016-2025 State Transportation Improvement Program includes several projects on College Road.

U-5704: Construction of an interchange at College Road and Oleander Drive

U-5702: Construction of Access Management Improvements on College Road between Gordon Road and Carolina Beach Road. The Department has several spot safety and intersection improvements that are anticipated would be completed under this project. This project may also include median modifications, access management strategies, etc. to improve traffic flow and safety on College Road. Another project that may be funded in the Statewide Mobility Category is an Upgrade of College Road between New Centre Drive and Gordon Road to include an additional through lane and an interchange at College Road and the Martin Luther King Jr. Parkway.

U-5792: Convert at-grade intersection to interchange

Next Steps:

- Complete Planning, Environmental Review and Design for the projects

METROPOLITAN TRANSPORTATION PLAN

Project Description/Scope: Update the Federally-mandated Metropolitan Transportation Plan/Long-Range Transportation Plan for the Wilmington Urban Area Metropolitan Planning Organization. The draft plan was finalized by the Transportation Advisory Committee on July 22, 2015. . The plan has now been adopted by all Wilmington Urban Area Metropolitan Planning Organization member jurisdictions. The TAC adopted the plan on November 18, 2015.

Next Steps:

- Implementation of the plan
- Develop a Strategic Business Plan

MILITARY CUTOFF ROAD/EASTWOOD ROAD (U-5710)

Project Descriptions/Scope: The adopted 2016-2025 State Transportation Improvement Program identified funding to upgrade the intersection of Military Cutoff Road/Eastwood Road to an interchange. HDR has been selected by NCDOT to complete this work. The Department is evaluating several alternatives to include a single point urban interchange, at-grade quadrant, continuous flow intersection, etc.

Next Steps:

- Complete Planning, Environmental Review and Design for the project

17TH STREET STREETScape

Project Descriptions/Scope: The 17th Street streetscape project will include upgrades to 17th Street between Wrightsville Avenue and Princess Place Drive. The project will provide 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 project may also include aesthetic improvements that will enhance the entryway into Carolina Heights and provide a pocket park. The project had a bid opening on March 10th. The bids still exceeded the budget.

Next Steps:

- Request additional funding from the City for the streetscape enhancements

SITE DEVELOPMENT REVIEW

Project Descriptions/Scope: The Wilmington 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: 5 reviews
- New Hanover County Informal Plan Reviews: 4 reviews
- New Hanover Concept Reviews: 0 reviews
- Town of Leland Formal Reviews: 0 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: 12 total (New Hanover County 5, City of Wilmington 5, Carolina Beach 0, Leland 1, and Pender County 1) new 3 and ongoing 9
- Pender County Development Plan Reviews: 13 reviews
- Pender County Informal Plan Reviews: 0 reviews
- Pender County Concept Reviews: 0 reviews
- City of Wilmington Formal Reviews: 30 (4 new, 26 on-going)
- City of Wilmington Informal Reviews: 6 (2 new, 4 on-going)
- City of Wilmington Concept Reviews: 14 (12 new concept reviews- 2 on-going concept)
- COW Project Releases: 4 Full releases

STP-DA/TAP-DA FY 2013, 2014 and 2015 Project Status
STP-DA

U-5534A - TOWN OF NAVASSA – MAIN STREET BICYCLE LANES

Project Descriptions/Scope: This project will include planning, design, and construction of an additional 4 feet on either side of Main Street for bike lanes starting at the existing Navassa bike path east of Brooklyn Street to Old Mill Road. The Letter of Interest (LOI) has been advertised.

Next Steps:

- Revision of man-hour estimate being performed by Ramey Kemp
- NCDOT to review man hour estimate to approve scope change
- FHWA has been contacted to discuss a change in scope from bike lanes to sidewalks and if FHWA will pay for existing design plus new design. The Town and consultant will provide NCDOT with a justification to be submitted to FHWA for consideration.
- Ramey Kemp & Associates to verify that the sidewalk will fit in the easement
- Awaiting a response from the Town of Navassa on various project related questions

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.

Next Steps:

- Construction contract awarded to Intercoastal Marine, LLC
- Construction start anticipated May 2016

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.

Next Steps:

- Design plans are complete
- Right of Way underway
- Letting anticipated October 2016

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.

Next Steps:

- Currently working on redesign and updating the PCE
- 30% plans submitted to NCDOT for review

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

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 Greenville 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.

Next Steps:

- NCDOT Approval received
- Town if awaiting finalized plans and specifications
- Awaiting easement approval from MOTSU

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. • Letters of Interest has closed and the Town has received proposals.

Next Steps:

- Select a consultant to complete the design
- R/W Plans complete: February 2017
- Let Date: April 2017

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.

Next Steps:

- 95% Construction Documents review under way
- Anticipated Let Date of July 2016

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

Next Steps:

- 95% Construction Documents review under way
- Anticipated Let Date of July 2016

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 Hwy 74/76 overpass after Glendale Drive with connections to Leland Middle School and the surrounding neighborhoods.

Next Steps:

- 90% Construction Documents review scheduled for March

- The project is currently under review
- Anticipated Let Date: May 2016

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

Next Steps:

- 90% Construction Documents review scheduled for March
- The project is currently under review
- Let Date: May 2016

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

Next Steps:

- 90% design plans complete
- The project is currently under review
- Right of Way Plans complete: September 25, 2016
- Anticipated Let Date: December 26, 2016

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.

Next Steps:

- McKim and Creed is providing Surveying
- R/W plans anticipated September 2016

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

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

Next Steps:

- Awaiting agreement execution
- PE Services submitted for review and awaiting NCDOT approval

U-5534R – Doral Drive Sidewalks –

Project Description/Scope: The construction of a sidewalk along Doral Drive from the intersection of Sloop Point Loop Road to the proposed emergency access path to the approved Wyndwater path.

Next Steps:

- Pender Co. discussing with NCDOT/WMPO to split into design phase and construction phase

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.

Next Steps:

- A consultant has been selected to complete this design.
- City to provide the survey for the project

U-5534P –Westgate Multi-Use Path (Design Phase) –

Project Description/Scope: funding for preliminary engineering and design phase services for this project in the amount of \$96,172

Next Steps:

- Town of Leland in process of scoping project
- RFQ for firms to be distributed in May

TAP-DA**CITY OF WILMINGTON – MILITARY CUTOFF ROAD MULTI-USE PATH**

Project Descriptions/Scope: This project is for the design and construction of a 10-foot wide, asphalt multi-use path on Military Cutoff Road from Gordon Road to Eastwood Road.

Next Steps:

- McKim & Creed providing surveying
- The City is working to hire a consultant to complete the design
- R/W plans anticipated December 2016

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.

Next Steps:

- City of Wilmington is preparing plans for the project
- Revised plans have been sent to NCDOT
- Quantities and specs are complete
- Anticipated Let Date: September 26, 2016

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 driveway.

Next Steps:

- NHC Currently acquiring easements for project.

- Anticipated Let Date: July 2016

U-5527D HARPER AVE. MULTI-USE PATH

Project Descriptions/Scope: The construction of approximately 2104 lf of 10' wide paved multi-use path along Harper Ave. from Dow Road to 6th Street

Next Steps:

- Advertised for PE services

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.

Next Steps:

- Continue regularly scheduled TDM Committee meetings
- Release the marketing plan RFP
- Develop program brand (name and logo)
- Implement Bike to Work Week (May 16-22) and Bike to School Day events (May 4 and May 11)
- Coordinate with employers to implement 2 additional vanpool programs

MAYOR'S RAIL RE-ALIGNMENT TASK FORCE

The City of Wilmington has appointed a Mayor's Task Force to evaluate the feasibility of re-aligning the rail line that currently traverses the City of Wilmington and potentially re-purpose this rail line for another use. This project is jointly funded by the City of Wilmington, North Carolina Department of Transportation and Wilmington MPO. All three entities have agreed to participate financially in the study. The City released a Request for Proposals for a consultant to complete the study and the City received 3 proposals. The Task Force recommended to negotiate the scope and fee with Moffatt & Nichols. Staff is currently working to finalize the scope and to get the firm under contract to begin the work on the project.



Cape Fear Public Transportation Authority

Project Update

May 2016

1. **Bus fleet replacement & conversion to CNG** - (no change) identifying state and federal funding opportunities to replace 19 thirty-five foot buses. Bid awarded to Gillig, LLC on June 26, 2014. Two buses delivered in June 2015. FTA issued a Notice of Funding Availability (NOFA) on March 25, 2016 for 49 CFR §5339(b) and §5339(c) bus and bus facility grants equaling \$266M nationally. Wave Transit is coordinating with NCDOT and state transit agencies to develop a consolidated application for replacement bus funding.
2. **Wilmington Multimodal Transportation Center** - Interlocal Agreement between Authority, City of Wilmington, WMPO and NCDOT finalized. Demolition of Haul building scheduled for April 2016. The Authority is working to complete NEPA Document, stabilize Neuwirth Brothers and Thomas Grocery buildings, and design and construct transit portion of WMMTC. The NEPA RFP is scheduled to be let on April 14, 2016. Community stake holder meeting on April 6th at the Brooklyn Arts Center to discuss the impact of the project on Downtown Wilmington was held and well received. Preliminary completion date for construction of the facility is late 2017. WMMTC webpage set up at: <http://www.wavetransit.com/services/multimodaltransportationcenter.aspx>.
3. **Short Range Transportation Plan** - (no significant change) following adoption of Cape Fear Transportation 2040 by the Wilmington Metropolitan Planning Organization (WMPO), Wave Transit is preparing to begin 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 Board members, staff, WMPO planners, passengers, interested citizens, and professional transit planning consultants, the 12-18 month plan is an important tool in meeting 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 to assess the needs of current and prospective passengers.
4. **Long Term Funding** - (no significant change) currently, the Authority does not have a dedicated source of local funding. An initiative to analyze long term revenue stability of Wave Transit has also been proposed by the City of Wilmington. This effort is critical to the long term financial health of the Authority. No timetable for the analysis has been developed.
5. **Shelter Program** - (no significant change) a program to replace and add up to 50 bus shelters and 25 benches at bus stops is nearing construction. Partial funding has been identified. Engineering and design are underway as is permit acquisition. Depending on

site requirements, bus shelters can exceed \$15,000 per location. Contract for installation of five shelters scheduled to be let in late May.

May 3, 2016

TIP Projects:

R-3601 (US 17/74/76): Widening across the “CAUSEWAY”, between Leland/Belville and the Cape Fear River. Replacing the bridges over the Brunswick River and one of the bridges over Alligator Creek.

Estimated Contract Completion Date November 2016

R-2633 BA – (Wilmington Bypass) construct a 4-lane divided highway from US 74/76 (near Malmo) to SR 1430 (Cedar Hill Road).

Estimated Contract Completion Date April 30, 2018

Open to traffic on November 2017

R-2633 BB – (Wilmington Bypass: Bridge over Cape Fear River) 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).

Estimated Contract Completion Date April 30, 2018

Open to traffic on November 2017

R-3324 – Long Beach Road Extension 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.

Traffic on new alignment of Long Beach Road

Estimated Contract Completion Date Summer 2016

R-3432 – SR 1163 (Georgetown Road) extend from SR 1184 (Ocean Isle Beach Road) to NC 179.

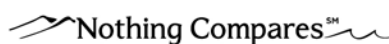
Open to traffic

Estimated Contract Completion Date May 13, 2016

B-5103: replace bridge #35 over the abandoned railroad on SR 1627 (3rd Street), in Wilmington.

Open to traffic end of May 2016

Estimated Contract Completion Date September 28, 2016



U-3338 B: Widening of Kerr Ave. from Randall Parkway to Martin Luther King, Jr. Parkway.

Estimated Contract Completion Date September 2018

Wrightsville Avenue (EB-4411C WBS#36333.3.FS3 2016CPT.03.02.20651):

widen for bike lanes on SR 1411 (Wrightsville Ave.) from Huntington Ave. to US 76 (Oleander Drive)

Estimated Contract Completion Date May 6, 2016

B-4929: Bridge @ Surf City NC 50/210 - replace bridge #16 over the inter-coastal waterway with a fixed span high rise structure.

Let Date August 2016

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

Let Date September 20, 2017

U-4751: Military Cutoff Road Extension: extending Military Cutoff Road from Market Street to the Wilmington Bypass, with an interchange at the Bypass.

Let Date October 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

R-5701: construct a roundabout at the intersection of US 117 Business, Walker Street & Wilmington Street

Let Date August 2018

U-4902 C&D: US 17 Business (Market Street) construct a “super-street” (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-5729: US 421 (Carolina Beach Road) from Burnett Avenue to US 117 (Shipyard Blvd) upgrade the roadway

Let Date August 2021

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-5732: US 17 (Ocean Highway in Hampstead)

Convert to superstreet from SR 1582 (Washington Acres Road) to SR 1563 (Sloop Point Loop Road).

Let Date August 2020

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

Greenfield Lake Culvert: replace the large culvert under 3rd Street and

US 421 Truck/Front Street...Utility relocation work will begin late 2013 and finish prior to let date

Let Date September 2016

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.

Resurfacing Contracts:

Resurfacing Contract: 2017CPT.03.01.10651 (includes W-5203AA & W-5601BB)

New Hanover County:

US 117/NC 132 (College Road) resurface from Wilshire Blvd. to Market Street
(US 17 Business).

Letting Date August 2016

Resurfacing Contract: DC-00090 3CR.10101.165

Brunswick County:

NC 211 – mill & resurface from NC 87 to end of system at Fort Fisher Ferry
Terminal.

Work Complete

**Resurfacing Contract: C-203480 3CR.10101.150, 3CR.20101.150, 3CR.10651.150,
3CR.20651.150 & 3CR.10711.150 Barnhill Contracting**

Brunswick County primary routes:

US 17 Business – mill & resurface from US 17 (south end of US 17 Bus.) to
US 17 (@ nose of concrete island)...Bolivia area

US 17 Bypass (Southbound lanes) – patch, mill & resurface from 0.17 miles
north of SR 1401 (Galloway Road) to 0.09 miles south of SR 1401

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)

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.)

Pender County primary routes:

US 117 - mill & resurface from 0.30 miles north of NC 210 to 0.026 miles north of US 117 Business

NC 11/53 - mill & resurface from begin curb & gutter @ western city limits of Town of Atkinson to end curb & gutter @ the eastern city limits.

NC 53 - Patch ONLY from I-40 to US 117 (Town of Burgaw).

Estimated Contract Completion Date Spring/Summer 2016

Resurfacing Contract: C203630 WBS #46176.3.FS1

New Hanover & Pender Counties:

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)

Estimated Contract Completion Date December 2016

Resurfacing Contract: 2016CPT.03.04.10711 & 2016CPT.03.04.20711

Pender County:

US 117 Bypass milling & resurfacing from southern city limits of Burgaw to SR 1504 (Murphy Road).

NC 53 milling & resurfacing from US 117 Bypass to US 117 Business

SR 1104 (Canetuck Road) resurfacing from bridge #20 over Lyon Creek to Bladen County line

SR 1301 (Bay Road) resurfacing from SR 1300 (Englishtown Road) to SR 1001 (Willard Road)

SR 1411 (Old River Road) resurfacing from US 117 to SR 1412 (New Road)

Estimated Contract Completion Date June 2016

Resurfacing Contract: 2016CPT.03.07.20651

New Hanover County:

- SR 1335 (Parmele Road)** resurfacing from NC 133 (Castle Hayne Road) to US 117/NC 132 (North College Road)
- SR 1276 (Cathay Road)** resurfacing from US 421 (Carolina Beach Road) to SR 1281 (Ventura Drive)
- SR 1524 (Golden Road)** resurfacing from US 421 (Carolina Beach Road) to SR 1492 (Myrtle Grove Road)
- SR 1544 (Friendly Lane)** resurfacing from SR 1492 (Masonboro Loop Road) to end of system
- SR 1616 (Pelican Point)** resurfacing from SR 1492 (Masonboro Loop Road) to end of system
- SR 1386 (Hall Drive)** resurfacing from SR 1318 (Blue Clay Road) to SR 1312 (Trask Drive)
- SR 1311 (Gardner Drive)** resurfacing from SR 1312 (Trask Drive) to SR 1312 (Trask Drive)
- SR 1312 (Trask Drive)** resurfacing from SR 1311 (Gardner Drive) to SR 1311 (Gardner Drive)

State Port Roadway resurfacing

Estimated Contract Completion Date June 2016

Resurfacing Contract: 2016CPT.03.08.10101 & 2016CPT.03.08.20101

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

Estimated Contract Completion Date May 2016

Resurfacing Contract: 2016 CPT.03.09.10101 & 2013CPT.03.09.20101

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

Estimated Contract Completion Date November 2016

Resurfacing Contract: 2017CPT.03.31.20711 DC00136

Pender County:

SR 1113 (Montague Road) resurface from SR 1114 (Blueberry Road) to US 421

SR 1412 (Newroad Ave., Front St. & Dickerson St.) resurface from US 117 to
Hayes Road.

Estimated Contract Completion Date September 2016

Resurfacing Contract: 2017CPT.03.37.20651 DC00155

New Hanover County:

- SR 1310 (Division Drive)** from NC 133 (Castle Hayne Road) to SR 1302 (23rd Street)
- SR 2270 (Wood Sorrell Road)** from SR 2048 (Gordon Road) to SR 2219 (N. Green Meadows Road)
- SR 2281 (Spicewood Street)** from Wood Sorrell Road to N. Green Meadows
- SR 2054 (Diamond Drive)** from SR 2154 (Little Creek Road) to SR 2053 (Apple Road)
- SR 2219 (N. Green Meadows Road)** from Wood Sorrell Road to Spicewood Street
- SR 2266 (Twin Leaf Road)** from SR 2286 (Strawfield Drive) to SR 2018 (Fitzgerald Drive)
- SR 2267 (Bracken Fern Road)** from Twin Leaf Road to cul-de-sac
- SR 2268 (Butterfly Court)** from Bracken Fern Road to cul-de-sac
- SR 2271 (Rushwood Court)** from Wood Sorrell Road to cul-de-sac
- SR 2272 (Sunwood Circle)** from Wood Sorrell Road to Wood Sorrell Road
- SR 2273 (Cainslash Court)** from Sunwood Circle to cul-de-sac
- SR 2274 (Emberwood Road)** from Wood Sorrell Road to cul-de-sac
- SR 2275 (Vinewood Court)** from Emberwood Road to cul-de-sac
- SR 2276 (Pearwood Court)** from Vinewood Court to cul-de-sac
- SR 2277 (Mintwood Court)** from Wood Sorrell Road to cul-de-sac
- SR 2278 (Wood Sorrell Loop)** from Wood Sorrell Road to Wood Sorrell Road
- SR 2279 (Red Bay Court)** from Wood Sorrell Road to cul-de-sac
- SR 2280 (Red Bay Loop Road)** from Red Bay Court to Red Bay Court
- SR 2282 (Low Bush Court)** from Spicewood Street to cul-de-sac
- SR 2283 (Spicewood Loop Road)** from Spicewood Street to cul-de-sac
- SR 2284 (Lupine Court)** from Spicewood Street to cul-de-sac
- SR 2285 (Golden Astor Court)** from Spicewood Street to cul-de-sac
- SR 2286 (Strawfield Drive)** from N. Green Meadows Road to N. Green Meadows Road
- SR 2287 (Sweetbay Court)** from Strawfield Drive to cul-de-sac
- SR 2294 (Silver Grass Court)** from Wood Sorrell Road to cul-de-sac
- SR 2295 (Cherry Laurel Court)** from Wood Sorrell Road to cul-de-sac
- SR 2297 (Nettle Circle)** from Strawfield Drive to Strawfield Drive
- SR 2298 (Fern Court)** from Nettle Circle to cul-de-sac
- SR 2299 (Batsonwood Court)** from Wood Sorrell Road to cul-de-sac
- SR 2618 (High Bush Court)** from Strawfield Drive to cul-de-sac
- SR 2687 (Legend Drive)** from SR 2683 (Enterprise Drive) to cul-de-sac
- SR 2688 (Promenade Court)** from Legend Drive to cul-de-sac
- SR 1327 (Farley Road)** from SR 1175 (Kerr Ave.) to Kerr Ave.
- SR 2686 (Justus Court)** from Enterprise Drive to cul-de-sac
- SR 2685 (Drewman Court)** from Enterprise Drive to cul-de-sac

Estimated Contract Completion Date November 2016

If you have any questions, please contact Patrick Riddle at the Division 3 Office:
priddle@ncdot.gov