

**PROJECTS LIST
NORTH CAROLINA BOARD OF TRANSPORTATION
RALEIGH, NORTH CAROLINA**

April 4-5, 2018

Delegated Authority.....Secretary Trogon

- (Item C) Award of Highway Construction Contracts from March 2018 Letting
- (Item D) Award of Contracts to Private Firms for Engineering Services
- (Item E) Funds for Secondary Road Improvement Projects –
Highway Fund and Highway Trust Fund
- (Item H) Funds for Division-wide Small Construction,
Statewide Contingency, Public Access, and Economic Development
- (Item L) Funds for Specific Spot Safety Improvement Projects

Action.....Chairman Fox

- (Item G) Additions, Abandonments, and Road Name Changes to State
Secondary Road System
- (Item I) Public Transportation Program
 - (Item I-1) Public Transportation
 - (Item I-1A) Public Transportation
 - (Item I-2) Rail Program
 - (Item I-3) Bicycle & Pedestrian (No Item this Month)
 - (Item I-4) Aviation
- (Item J) Specific State Funds for Construction Projects (Item K now replaces Item J)
- (Item K) North Carolina Highway Trust Funds
- (Item M) Funds for Specific Federal-Aid Projects
- (Item N) Revisions to the 2018-2027 STIP
- (Item O) Municipal and Special Agreements
- (Item P) Municipals Street System Changes
- (Item R) Right of Way Resolutions and Ordinances
- (Item S) Maintenance Allocations **(No Item this month)**
- (Item T) Submission of Comprehensive Transportation Plans for Mutual
Adoption by the Board of Transportation **(No Item this month)**

NORTH CAROLINA BOARD OF TRANSPORTATION MEETING

- Call to Order Chairman Fox
- Ethics Statement Chairman Fox
- Approval of March 8, 2018 Closed Session Meeting Minutes Chairman Fox
- Approval of March 8, 2018 Open Session Meeting Minutes Chairman Fox
- **Secretary's** Remarks Chief Deputy David Howard

INFORMATION AND DELEGATED AUTHORITY

- (Item C) Award of Highway Construction Contracts from March 2018 Letting
- (Item D) Award of Contracts to Private Firms for Engineering Services
- (Item E) Funds for Secondary Road Improvement Projects – Highway Fund and Highway Trust Fund
- (Item H) Approval of Funds for Division-wide Small Construction, Statewide Contingency, Public Access, and Economic Development
- (Item L) Approval of Funds for Specific Spot Safety Improvement Projects

NC Division of Environmental Quality Update

Secretary Michael Regan

2018 Wildflower Awards

David Harris

ACTION

Chairman Fox

Scenic Byways Annual Report

Amending the National Championship Signage Policy

Approval of Projects

- (Item G) Additions and Abandonments to State Secondary Road System
- (Item I) Public Transportation Program
- (Item I-1) Public Transportation
 - (Item I-1A) Public Transportation
 - (Item I-2) Rail Program
 - (Item I-4) Aviation
- (Item K) North Carolina Highway Trust Funds
- (Item M) Funds for Specific Federal-Aid Projects
- (Item N) Revisions to the 2016-2017 STIP
- (Item O) Municipal and Special Agreements
- (Item P) Municipal Street System Changes
- (Item R) Right of Way Resolutions and Ordinances

Committee Reports

Committee Chairs

Other Business

Chairman Fox

Adjourn

Chairman Fox

North Carolina Scenic Byway Program
Roadside Environmental Unit

2017 Annual Report



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| Program Management..... | 12-19 |



Clayton Bypass Scenic Byway



Yadkin Valley Scenic Byway



Blue - Gray Scenic Byway



Big Horse Creek Scenic Byway





North Carolina Scenic Byway Program Overview



Pamlico Scenic Byway

Purpose - North Carolina Scenic Byways give visitors and residents a chance to experience a bit of North Carolina's history, geography and culture while raising awareness for the protection and preservation of these treasures. These byways are two lane country roads as well as a few of our faster-paced highways and interstates. Following the byways, you will see some of the most breathtaking scenery from the Blue Ridge Mountains to fertile plains to the crystal blue coastline.

History - The North Carolina Scenic Byway Program was officially launched in March of 1990 when 31 byways were designated by the Board of Transportation. In July of 1993, legislation was enacted to define the program and assign management of the program to the Department of Transportation. In 1994 the program's policies and administrative codes were established.

Asset Inventory - There are currently 60 designated North Carolina Scenic Byways totaling almost 2300 miles. Three of those are designated as National Scenic Byways; Cherokee Skyway, Forest Heritage Scenic Byway and the Outer Banks Scenic Byway. There is also one All American Road in North Carolina, the highest national designation possible, The Blue Ridge Parkway.

Objectives

- Provide the opportunity for identification and designation of qualifying routes
- Mark the byways with Byway Logo signs
- Provide informative and educational materials clearly defining the byway routes and their significant features (guide book, brochures, web page, etc.)
- Promote the program to provide economic benefits to communities along the byways



Scots-Welsh Heritage Byway



Little Parkway

Avery, Caldwell and Watauga Counties
Length 18 Miles

Little Parkway follows US 221 connecting Linville to Blowing Rock. The route was built in 1889 by man and mule as a toll road. The byway begins at Linville. Located along the Linville River, it lies just north of Linville Gorge Wilderness, the nation's third largest wilderness area, Linville Falls and Linville Caverns.

Little Parkway winds along the side of Grandfather Mountain. Grandfather Mountain at an elevation of 5,946 feet it is one of the highest in the Blue Ridge and is the home of 16 distinct ecological communities. Its name stems from the mountain's grandfather like profile against the sky when viewed from a distance.

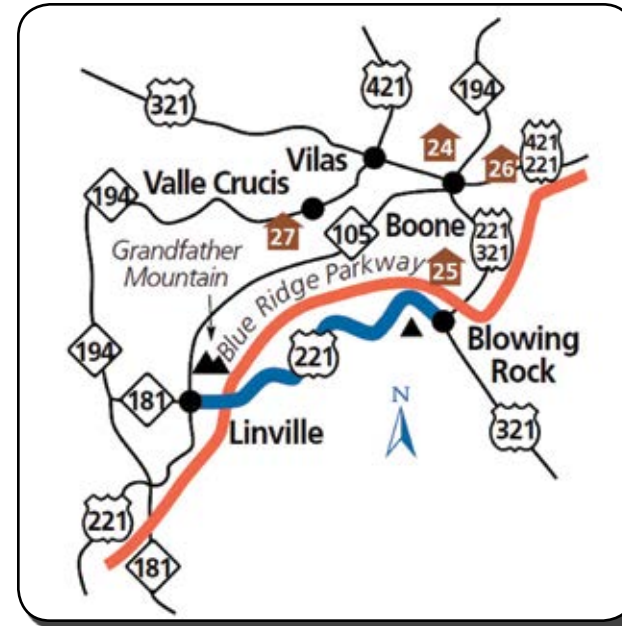


The Little Parkway is paralleled by the Blue Ridge Parkway for a portion of the drive, thus the byway name. The Blue Ridge Parkway construction began in 1935 but wasn't finished until 52 years later with the Linn Cove Viaduct forming the final link. The viaduct, located five miles north of Linville, was one of the world's first bridges to be constructed using an innovative method of building from the top down to protect the mountain's ecology. It is visible from Little Parkway.



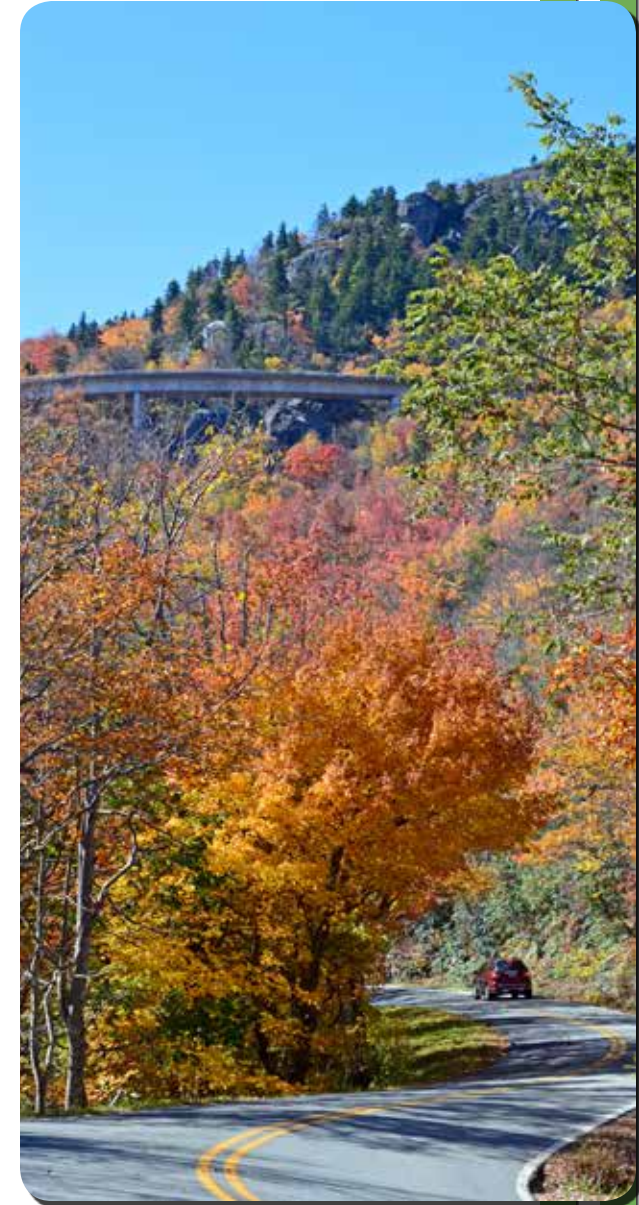
Closer to Blowing Rock the byway crosses the Eastern Continental Divide and near a large colonial revival house with huge columns. Called Westglow, the house was built by Elliott Daingerfield, one of North Carolina's most renowned artists with works in the National Gallery and the Metropolitan Museum. It is now Westglow Spa and Resort.

Before reaching Blowing Rock, there is an access ramp to the Blue Ridge Parkway. This location is close to the Moses H. Cone Memorial Park, featuring his country estate. Once called Flat Top Manor, the 13,000 square foot mansion now houses a craft shop and visitor information for parkway travelers. The park also includes two lakes and carriage trails for hiking and horseback riding.



The byway culminates in Blowing Rock, a charming resort village. The town of Blowing Rock gets its name from the rock formation that lies over 1500 feet above the Johns River Gorge. At the top of the rock formation air currents flow up from the gorge below returning light objects that are tossed over.

There is a legend of Blowing Rock that begins with a battle between the Cherokee and Catawba Native American tribes. According to the legend there were two lovers, one from each tribe. The brave was called to go to battle, but his lover begged him not to go. As they were walking together near the top of the gorge he became so distraught that he threw himself over the edge. His lover prayed for the Great Spirit to return her lover to her and her prayer was granted when a gust of wind blew the brave back up the cliff and landed him safely beside her.



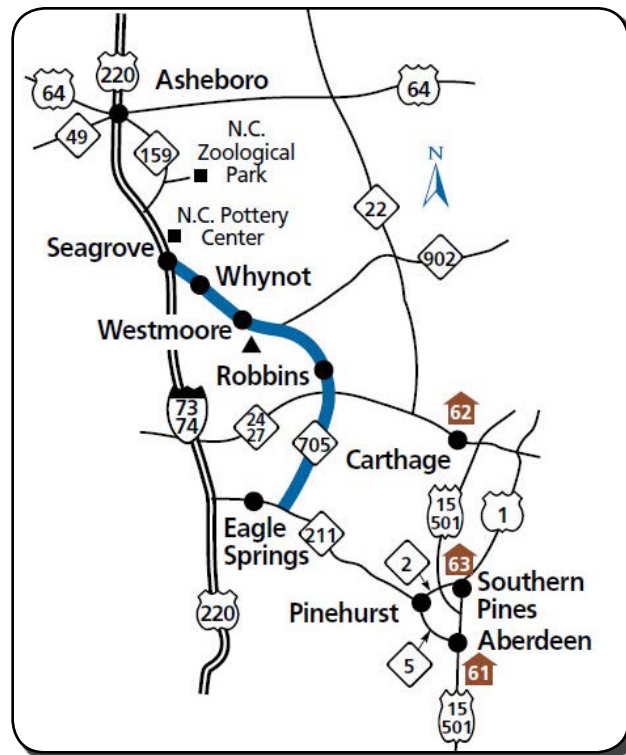
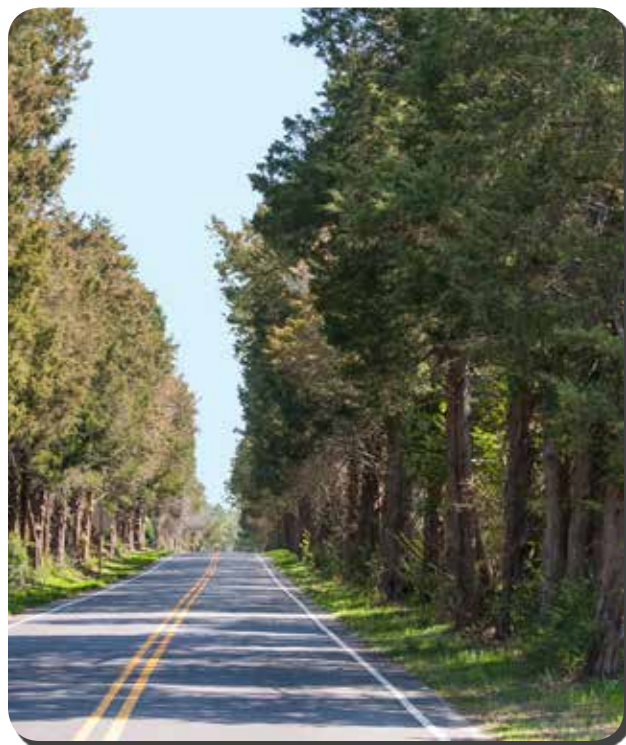


Pottery Road

Moore and Randolph Counties
Length 43 Miles

North Carolina Scenic Byway Program
Featured Byway - Piedmont

Pottery Road as the name suggest takes byway travelers through the heart of an area known worldwide for the functional and artistic pottery created there. In the 18th century, several families from England settled the area for its high quality clay, suitable for farming and making utilitarian earthenware for their everyday needs. Today, their descendants continue this craft and art form. Currently there are more than 100 potters in the area commonly referred to as Seagrove Pottery, 'the pottery capital of North Carolina' and 'the pottery capital of the world'.



The Pottery Road byway route begins in the sandhills of Moore County between Pinehurst and Eagle Springs and follows NC 705. Pinehurst, an elite golf course community, was settled in 1895 and named for the Longleaf Pine forest found there. Eagle Springs was established in 1890 and named for a mineral spring owned by the Eagle family. The byway begins with an allee of mature Cedar trees that is known locally as 'Cedar Lane'. The byway route passes through the small towns and communities of Robbins, Westmoore, and Whynot before ending in Seagrove.

Robbins began in 1795 when the gunsmith Alexander Kennedy and his family settled along Bear Creek. Kennedy Rifle Works produced long guns for American soldiers until 1838 and the town was known as Mechanics Hill. After several name changes over the years, in 1943 the town renamed once again to honor a local textile mill owner and philanthropist, Karl Robbins.

The Westmoore community is the location settled by the first potters including the Craven, Chriscoe, Cole, Luck, McNeill, Owen and Teague families. Jugtown Pottery is close by and was founded in 1917 by Jacques and Juliana Royster Busbee, artist and art enthusiasts from Raleigh. They are credited with a revival of the craft that had dwindled over the industrial revolution years with the availability of affordable glass wares. Often the entire area is referred to as Jugtown pottery.



The Whynot community of Randolph County received its name because the residents could not decide on a name. During the name debate it was 'Why not this?' and 'Why not that?' until finally someone remarked 'Why not name it Why Not and let's go home?' It stuck.

The byway culminates in Seagrove which was incorporated in 1913 and named for a local railroad official. The North Carolina Pottery Center is located here as well as the annual signature event in the fall, the Seagrove Pottery Festival.





Cape Fear Historic Byway

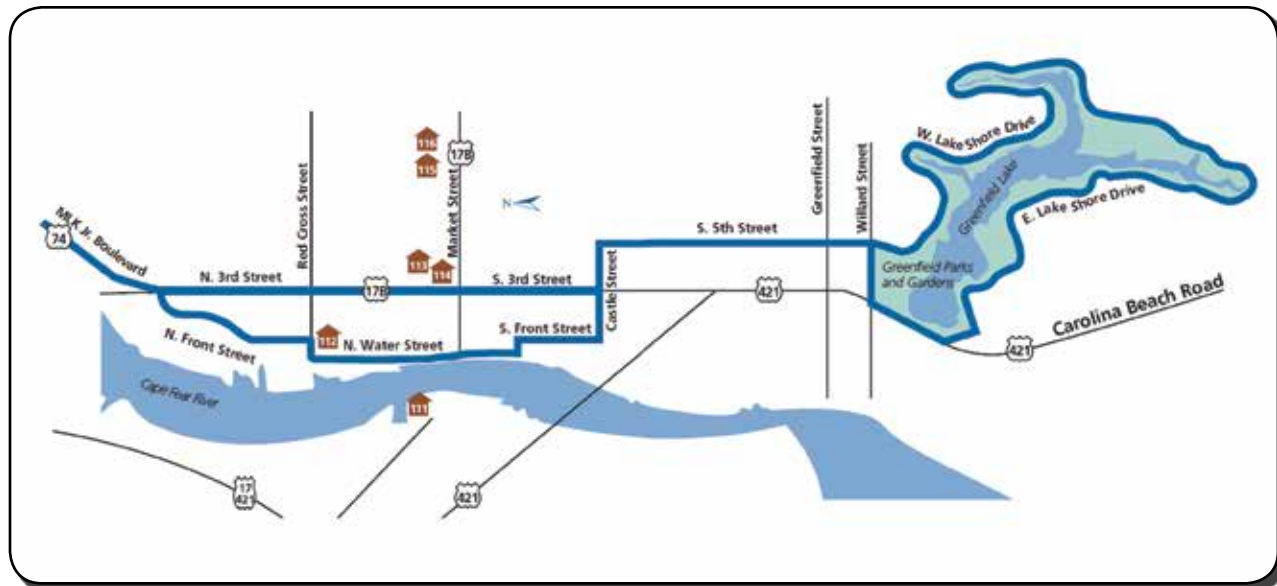
New Hanover County
Length 8 Miles

North Carolina Scenic Byway Program
Featured Byway - Coast

The Cape Fear Historic Byway in downtown Wilmington guides travelers through one of the most scenic urban areas in the nation. The byway follows along the tranquil Cape Fear River, along thriving colonial-era streets and around Greenfield Park and Gardens.

Known as the Port City, Wilmington was incorporated in 1739 and sits on a peninsula between the Cape Fear River and the Atlantic Ocean. The city contains North Carolina's richest collection of 19th century urban architecture and still maintains the original grid pattern finalized in 1743. Wilmington was built, for the most part, by commission merchants and prosperous businessmen who indulged themselves in the extravagances of the culture of the late 1800s. Today the city is the 8th largest in North Carolina.

The byway begins on the north end of downtown at the US 74/NC 133 (Martin Luther King Jr. Parkway) and North Third Street. It passes the 1898 Memorial Park which commemorates the coup d'état in which prominent white citizens of Wilmington violently overthrew the legally elected biracial government of the city. The monument serves as a testament to the city's desire to acknowledge the injustices of the past and their commitment for an inclusive society moving forward.



The byway quickly heads to the southwest where views of the Cape Fear River waterfront dominate. Wilmington's Riverwalk is a well-maintained pedestrian promenade extending the length of Water Street with many unique shops and delicious restaurants. The USS North Carolina Battleship sits directly across the river. Near the end of the Riverwalk, the byway heads east and south where travel on South Front Street, Castle Street and South Fifth Street take the byway traveler along some of the city's most exclusive homes and the heart of the Wilmington National Register Historic District.



Towards the end of Fifth Street is Greenfield Park and Gardens. Here 3.8 miles of Lake Shore Drive circles the park and Greenfield Lake. The byway returns back to US 74/NC 133 at North Market Street where it ends, via Third Street where government buildings, historic churches and the Thalian Hall for Performing Arts are found.





The North Carolina Scenic Byway Program operates at a variety of capacities to advocate and manage the state's byways. Some of the typical responsibilities include:

1) Scenic Byway Proposals – Process, review and assist with designation applications and byway revisions - In 2017 there were several inquiries about designations but there were no applications submitted.

Mount Mitchell Scenic Drive



Designation Process

- A non-profit organization notifies the NC Scenic Byway Program staff of interest in nominating a route for the NC Scenic Byway Program and obtains a NC Scenic Byway Study List Application.
- The submitted Study List Application is reviewed and it is determined whether the proposed route is likely to qualify for a byway designation. If the proposed byway route warrants further investigation it is added to the Study List.
- Once a route is added to the Study List, a NC Scenic Byway Application Package is furnished. This is an in-dept application requiring a detailed description of the route, justification of the intrinsic qualities identified, local zoning information and evidence of community support. A public hearing may also be required if requested within 60 days of receipt of application.
- The application is reviewed and a report and recommendation for adoption or rejection of the proposed byway is presented to the Board of Transportation.
- The Board of Transportation votes to approve or deny the designation and the applicant is notified of the decision.



Pacolet River Byway

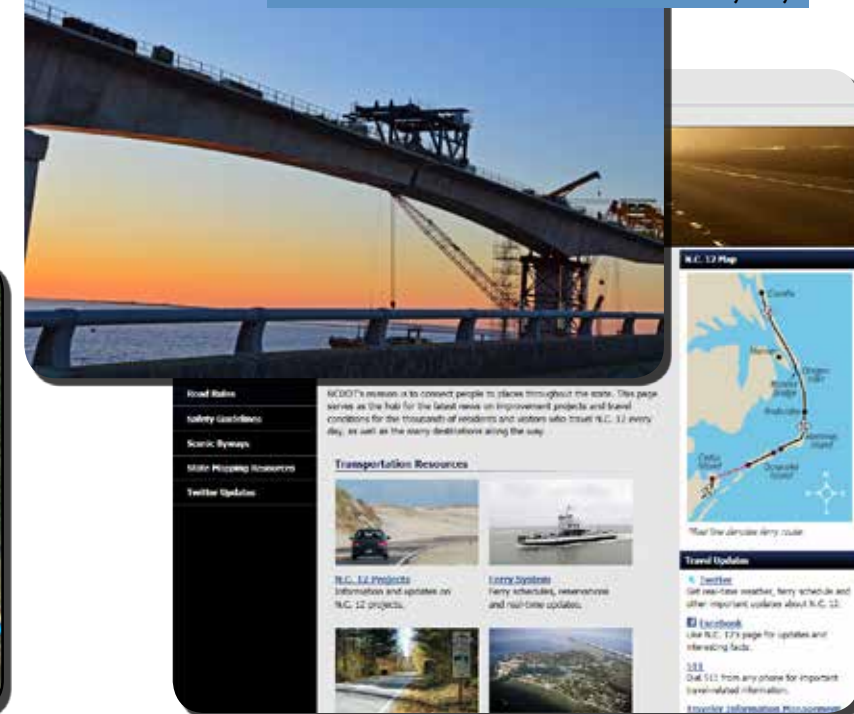
2) Project Planning – Consult and monitor improvement projects to ensure context sensitive solutions for projects impacting scenic byways. Currently there are multiple construction projects occurring along scenic byways across the state.



North Carolina Scenic Byway Program Management



NC 12 - Outer Banks National Scenic Byway

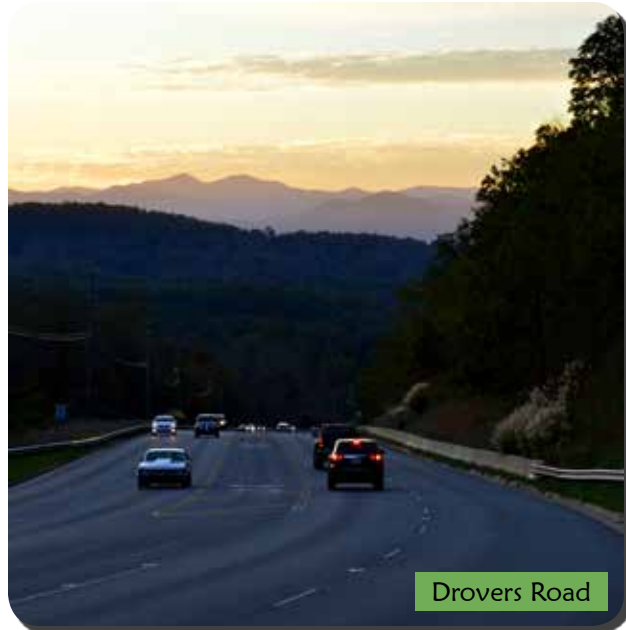




...responsibilities include:

3) Management of Program Materials - Survey, update, inventory and distribute byway informational materials - We currently have only XXX Scenic Byway Guidebooks available. We are in the process of updating the guidebook to include new byways that have been designated since the last printing, and to provide a fresh new look. We are also in the process of updating the byway signing statewide.

We are currently working with the GIS Unit to correctly map all of the byways on GO!NC which when finalized will replace the current mapping on the Scenic Byway webpage.



Original Requestor Information
Name: Vicki Bastien
Phone: (517)398-1411
Email: vdbranch@hotmail.com

Comment History
Tracking Number: VMA8D5V4HI
Unit Name: ScenicByws

Sent Contact Us Administrator **Date/Time:** 5/18/2017 9:01:02 AM
By:
Comment: Welcome to North Carolina! And you are welcome. If you are motorcycle enthusiast you will want to check out 'Tail of the Dragon' at the NC/TN state line near the Indian Lakes Scenic Byway and 'The Rattler' on the Appalachian Medley byway.

Sent Vicki Bastien **Date/Time:** 5/18/2017 9:01:02 AM
By:
Comment: That's wonderful! We're new to the area and are not accustomed to the huge highways. Looking forward to riding motorcycles and hiking and kayaking along some of the beautiful byways. I appreciate your rapid response and will be watching for the mailman. Thanks again.

Sent Contact Us Administrator **Date/Time:** 5/18/2017 9:01:02 AM
By:
Comment: Vicki, We will get a Scenic Byway Guidebook in the mail to you. Thank you for your interest in the program! Connie

Sent Vicki Bastien **Date/Time:** 5/18/2017 9:01:02 AM
By:
Comment: I do not have a printer for the download version of the Scenic By-Ways Guide. Could you please send it to me at: Vicki Bastien 1608 Elder Way Burlington NC 27215 Thank you!

Comment History
Tracking Number: T9EN3XEN3D
Unit Name: ScenicByws

Sent Contact Us Administrator **Date/Time:** 7/18/2017 10:19:14 AM
By:
Comment: Ms. Chatham, we will get a book in the mail to you. Thank you for your interest in the NC Scenic Byway Program!

Sent Melanie Chatham **Date/Time:** 7/18/2017 10:19:14 AM
By:
Comment: I would like to request a paper copy of NC Scenic Byways guide. My address is 329 Guilford Rd Harmony, NC 28634 Thank you & God Bless!

North Carolina Scenic Byway Program Program Management

Original Requestor Information
Name: Bethany Curtis
Phone: (503)705-5722
Email: bethany@captureyesterday.com

Comment History
Tracking Number: TDOVXIOJYD
Unit Name: ScenicByws

Sent Contact Us Administrator **Date/Time:** 8/12/2017 8:24:32 PM
By:
Comment: No, thank you and your family for your contribution to our country and our way of life! May God bless you all and WELCOME to North Carolina!

Sent Bethany Curtis **Date/Time:** 8/12/2017 8:24:32 PM
By:
Comment: Oh Connie! I spent an hour going through the lesson plans and curriculum and I'm so excited to implement this in our upcoming year of homeschooling. It's amazing! Our family is new to NC and this curriculum will be a wonderful resource for us to get to know NC while we are stationed at Cherry Point with the Marines. May God bless you and your staff, Bethany Curtis

Sent Contact Us Administrator **Date/Time:** 8/12/2017 8:24:32 PM
By:
Comment: You are welcome!

Sent Bethany Curtis **Date/Time:** 8/12/2017 8:24:32 PM
By:
Comment: I'm delighted! Thanks so much! Bethany

Sent Contact Us Administrator **Date/Time:** 8/12/2017 8:24:32 PM
By:
Comment: I will get one in the mail to you Bethany. Thank you for your interest in the Scenic Byway Program. I hope you find the teacher guide useful.

Sent Bethany Curtis **Date/Time:** 8/12/2017 8:24:32 PM
By:
Comment: I would love a copy of the Teacher's Guide to Scenic ByWays in the state of NC. I am a new Homeschooling Teacher and would love the resource for our classroom. Thanks so much, Bethany Curtis 2406 Wild Turkey Road, New Bern, NC 28562



...responsibilities include:

4) Grant Oversight - In previous years, the FHWA offered grants under the National Scenic Byway Program. The grants could be used for various projects such as the purchase of scenic easements, overlooks, byway facilities, corridor management planning, interpretive and wayfinding signs, etc. All outstanding FHWA Scenic Byway grants were finalized in 2017. These are some of the projects accomplished with the grant funds.



Restroom Facilities/Interpretive Signs/Parking Lot Improvements - Blue Ridge Parkway



Interpretive and Wayfinding Signs - Cherokee Skyway



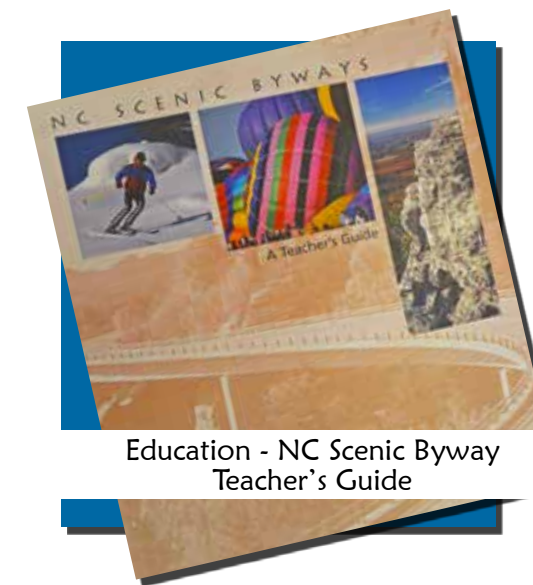
North Carolina Scenic Byway Program Program Management



Wayfinding Sign - Upper Yadkin Way



5) Public and Private Partnerships
Work with National Park Service, National Forest Service, County Visitor Bureaus and tourism organizations to promote tourism within byway communities.



Education - NC Scenic Byway Teacher's Guide



Wayfinding and Interpretive Signing
Outer Banks Scenic Byway





...responsibilities include:

6) Promotion of Program - Represent and promote the Scenic Byway Program at various meetings, conferences and tourism events. Market the program on multiple platforms including an updated webpage and social media specific to the Scenic Byway Program. We continue to struggle to achieve this goal within the current DOT framework.



North Carolina Scenic Byway Program Program Management

7) Manage Program Budget - Currently there is no annual budget for the Scenic Byway Program. We are working on several projects utilizing leftover grant funds returned to the program and approved for use by FHWA for similar projects on byways statewide.



Annual Tourism Day at Welcome Centers

I-40 Haywood County



I-26 Madison County



North Carolina State Fair



Whitewater Way



South Mountain Scenery



Appalachian Medley



Grassy Island Crossing



Yadkin Valley Scenic Byway



Blue Ridge Parkway



Alligator River Route



Big Horse Creek Scenic Byway

Our goal is to identify, highlight and preserve roads with unusual, exceptional and unique qualities for the public's enjoyment.



Yadkin Valley Scenic Byway



North Carolina Department of Transportation
Transportation Program Management Unit - Value Management
Innovative Technologies and Products Awareness Report
April 5, 2018



TECHNOLOGY INNOVATION – Blended After-Treatment System (BATS)

The NCDOT Rail Division, in partnership with Rail Propulsion Systems (RPS), developed the Blended After-Treatment System (BATS) which is designed to reduce four EPA identified diesel exhaust pollutants: nitrogen oxides, carbon monoxide, hydrocarbons and particulate matter. The technology uses catalytic reduction to chemically remove diesel engine emission pollutants from the locomotive's exhaust before they are released into the air. The Rail Division has collaborated with RPS for the past two years to install and test the functionality of BATS. In February, the EPA certified the emissions reduction system for NC 1859, one of NCDOT's F59PH passenger locomotives, making NCDOT the first rail agency in the country to successfully demonstrate the technology on an in-service passenger locomotive. With the completed prototype, the Rail Division is reaching out to regional manufacturers to incorporate the BATS into the current fleet. One locomotive will be outfitted at a time with an estimated completion by the end of 2019. This is an update from the previous report provided to the Board of Transportation in 2017.

The EPA certification will enable the Rail Division to pursue state and federal grants to retrofit its full fleet with BATS, further reducing air pollution along the NCDOT Piedmont route between Raleigh and Charlotte. Half of the state's population is within one hour (approximately 40-50 miles) of the corridor and every county along the Piedmont rail corridor has high levels of one or more types of air pollution. By implementing BATS, the Rail Division is working to improve air quality across the state, including the major metropolitan areas that are expected to see a population boom in the coming years. Implementing BATS is a cost effective way to achieve air pollution reductions equivalent to new locomotives. NCDOT owns six F59PH diesel locomotives and is acquiring two more.



NC 1859, the first locomotive fitted with BATS and certified by the EPA

A new locomotive with the latest emission controls can cost as much as \$10 million. Implementing the BATS onto the fleet of eight locomotives can be done for approximately \$5 million, which can save \$75 million when compared to purchasing eight new locomotives to meet the highest EPA standards.

A chart showing EPA emission tiers is shown on the right. The BATS is being fitted with additional subsystems to further reduce emissions. Future BATS systems should be equivalent to EPA Tier 4. Additionally the Rail Division has considered using biodiesel fuels in place of standard locomotive fuel to further reduce emissions.

Prototype BATS → Certified Tier 3+

Production BATS → Tier 4 equivalent

BATS + biodiesel → projected Tier 4+

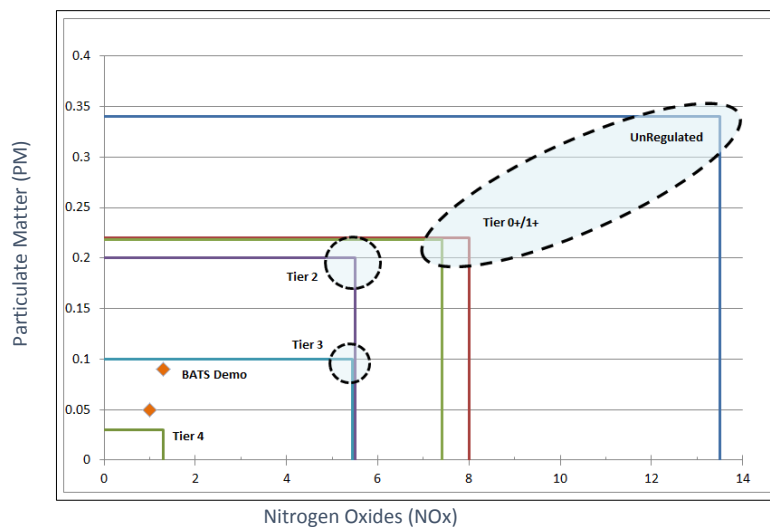
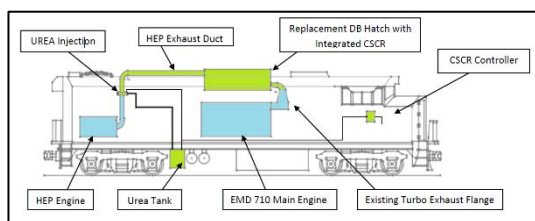


Diagram of system showing the various parts. This is a "fail safe" system that works independently from the engine.

For more information contact
Lynn Harris at:
wlharris@mcdownellengineers.com or
919-858-6611.



North Carolina Department of Transportation
Transportation Program Management Unit - Value Management
Innovative Technologies and Products Awareness Report
April 5, 2018



RESOURCE CONSERVATION WEBSITE

The NCDOT resource conservation program recently introduced the online reporting tool for Department personnel and our partners to easily report the materials that have been diverted from the landfill. This information has to be reported per NC GS 136-28.8.

<https://connect.ncdot.gov/resources/Products/Pages/Recycle.aspx>

The following screen shots display part of the form that appears when you follow the link above. From here, the NCDOT Engineer or Contractor can report on recycled materials by including the Division Number associated with the project, the location, the project number or other location marker, the state fiscal year (SFY), and the material quantities. There is no limit to the number of submissions someone can make. If it is helpful to report at the end of each contract, project, or month – that's okay! We tabulate the information at the end of the SFY to include in the final report that is submitted to the Department of Environmental Quality by October 1 each year.

Recycle Form

Division #

Reporting Location

Fiscal Year

Mulch (for Wood)
cubic yards

Mulch (for Hydr mulch)
bale

Compost Material
cubic yards

Signal Heads

Silt Fence Posts
each

Sheet Pile
square feet

Cable Guiderail
linear feet

Other
Other items not described

The Resource Conservation Program is working to streamline the reporting process by collecting the information that is available from HiCAMS* including flyash, glass beads, recycled asphalt pavement (RAP), recycled asphalt shingles (RAS), tires, etc. This will remove redundancy and make reporting simpler.

**HiCAMS is the system used by the Department to track materials and work accomplished on NCDOT's Construction projects.*

Approved Products List

The Approved Products List has over 500 products with reported recycled material. Every day the Product Evaluation Program receives applications for new products that are finding innovative ways of using reused or recycled materials. Of those, 160 products are comprised of over 50% recycled materials and 75 have over 90% recycled materials – the majority of which is from recycled steel. We are constantly on the look-out for innovative products that are environmentally friendly.

Advantage Cast Iron Premier ADA Tactile Detectable Warning Tiles

Recently approved, this product is used for curb ramps, pedestrian crossings, transit platforms, vehicular passage ways, and passage ways. This product is lightweight and easy to install and made out of >90% recycled steel which after use can be recycled again.

More information can be found at: <https://www.advantagetactile.com/>

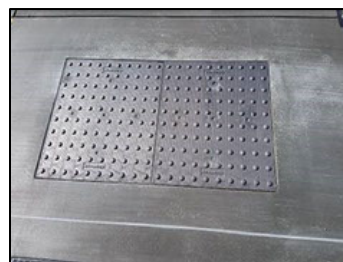


Image of installed product.

NCDOT Board of Transportation Agenda

ITEM C

March 2018

According to Executive Order No. 2 and G.S. 143B-350(g), the Board is requested to concur with staff recommendations and delegate authority to the Secretary to award the following highway construction projects.

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MARCH 20, 2018
DIVISION 00002

PAGE : 1 of 18
ITEM C

C204139
47746.3.1
STATE FUNDED
CRAVEN, JONES
I-6002

PROPOSAL LENGTH 32.040 MILES

TYPE OF WORK WIDENING, MILLING, RESURFACING, GUARDRAIL & SHLD RECONST.

LOCATION US-70/US-17 FROM DOVER TO THE NEUSE RIVER BRIDGE IN NEW BERN.

EST CONST PROGRESS.... FY-2018..16% OF BID
FY-2019..71% OF BID
FY-2020..13% OF BID

RPN 002 2 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 3.00%
ESTIMATE 30,635,439.44

DATE AVAILABLE APR 30 2018

INTER COMPLETION NOV 15 2019 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR
PERMANENT VEGETATION ESTABLISHMENT

FINAL COMPLETION FEB 13 2020

| | \$ TOTALS | % DIFF |
|--|---------------|--------|
| BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC | 25,492,230.43 | -16.8 |
| ST WOOTEN CORPORATION WILSON, NC | 27,460,461.83 | -10.4 |

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MARCH 20, 2018
DIVISION 00004

PAGE : 2 of 18
ITEM C

C203972
39930.3.2
STATE FUNDED
EDGECOMBE
U-4762

PROPOSAL LENGTH 1.290 MILES

TYPE OF WORK WIDENING, GRADING, DRAINAGE, PAVING, AND SIGNALS.

LOCATION SR-1250 (SPRINGFIELD ROAD) FROM US-64 ALTERNATE TO SR-1243 (LEGGETT ROAD).

EST CONST PROGRESS.... FY-2019..65% OF BID
FY-2020..35% OF BID

RPN 003 1 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 4.00%
ESTIMATE 5,654,234.28

DATE AVAILABLE AUG 01 2018

INTER COMPLETION MAY 15 2020 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR
PERMANENT VEGETATION ESTABLISHMENT

FINAL COMPLETION NOV 11 2020

| | \$ TOTALS | % DIFF |
|--|--------------|--------|
| BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC | 5,516,161.43 | -2.4 |

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
MARCH 20, 2018
DIVISION 00004

PAGE : 3 of 18
ITEM C

C204138
45880.3.1
NHPIM-0795(007)
WILSON
I-5937

PROPOSAL LENGTH 7.700 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

LOCATION I-795 FROM WAYNE COUNTY LINE TO SR-1103.

EST CONST PROGRESS.... FY-2018..22% OF BID
FY-2019..78% OF BID

RPN 004 2 BIDDER(S) DBE GOAL 6.00 %
ESTIMATE 7,187,662.14

DATE AVAILABLE APR 30 2018

FINAL COMPLETION JUN 01 2019

| | \$ TOTALS | % DIFF |
|---|--------------|--------|
| FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC | 5,832,838.26 | -18.8 |
| ST WOOTEN CORPORATION WILSON, NC | 6,416,911.49 | -10.7 |

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH N.C.
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DIVISION 00005

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C203981
44401.3.1
STATE FUNDED
WAKE
U-5828

PROPOSAL LENGTH 1.649 MILES

TYPE OF WORK GRADING, DRAINAGE, PAVING, AND SIGNALS.

LOCATION MCCRIMMON PARKWAY FROM SR-3015 (AIRPORT BOULEVARD) TO SR-1002 (AVIATION PARKWAY) IN MORRISVILLE.

EST CONST PROGRESS.... FY-2018..16% OF BID
FY-2019..71% OF BID
FY-2020..13% OF BID

RPN 005 8 BIDDER(S) MBE GOAL 5.00 % WBE GOAL 7.00%
ESTIMATE 12,436,443.36

DATE AVAILABLE APR 30 2018

INTER COMPLETION NOV 15 2019 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR PERMANENT VEGETATION ESTABLISHMENT
SEP 01 2018 COMPLETE WORK REQUIRED TO INSTALL ABC FROM STA. -L- 121+00 TO STA. -L- 130+00 (RIGHT SIDE OF ROAD)

FINAL COMPLETION MAY 13 2020

| | \$ TOTALS | % DIFF |
|---|---------------|--------|
| BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC | 11,575,668.65 | -6.9 |
| FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC | 11,677,915.00 | -6.1 |
| BRANCH CIVIL INC ROANOKE, VA | 11,685,333.00 | -6.0 |
| SULLIVAN EASTERN INC MORRISVILLE, NC | 13,506,836.65 | +8.6 |
| W C ENGLISH INCORPORATED LYNCHBURG, VA | 13,628,073.90 | +9.6 |
| CAROLINA SUNROCK LLC RALEIGH, NC | 15,725,385.56 | +26.4 |
| TRIANGLE GRADING & PAVING INC BURLINGTON, NC | 16,963,000.00 | +36.4 |
| ST WOOTEN CORPORATION WILSON, NC | 18,183,075.00 | +46.2 |

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
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C204128

2018CPT.05.14.10911.1, 2018CPT.05.14.20391.1, 2018CPT.05.14.20911.1, 5C.091045

STATE FUNDED

VANCE, GRANVILLE

PROPOSAL LENGTH 35.064 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

LOCATION 1 SECTION OF US-1 BUS AND 39 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2018..20% OF BID
FY-2019..80% OF BID

RPN 006 2 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 5.00%
ESTIMATE 5,285,473.95

DATE AVAILABLE APR 30 2018

INTER COMPLETION AUG 14 2018 COMPLETE ALL WORK REQUIRED OF MAPS #3 AND #4

DEC 01 2018 COMPLETE ALL WORK REQUIRED OF MAP #40

FINAL COMPLETION JUN 30 2019

| | \$ TOTALS | % DIFF |
|----------------------------------|--------------|--------|
| CAROLINA SUNROCK LLC RALEIGH, NC | 4,660,513.88 | -11.8 |
| ST WOOTEN CORPORATION WILSON, NC | 5,597,457.52 | +5.9 |

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
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C204143

2018CPT.05.15.10351.1, 2018CPT.05.15.20351.1, 2018CPT.05.15.20931.1

STATE FUNDED

FRANKLIN, WARREN

PROPOSAL LENGTH 53.109 MILES

TYPE OF WORK MILLING, RESURFACING & SHOULDER RECONSTRUCTION.

LOCATION 1 SECTION OF NC-56 AND 41 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2018..19% OF BID
FY-2019..78% OF BID
FY-2020..03% OF BID

RPN 007 4 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 6.00%
ESTIMATE 6,519,626.13

DATE AVAILABLE MAY 01 2018

INTER COMPLETION AUG 12 2018 COMPLETE ALL WORK REQUIRED OF MAPS #1 & #4.

FINAL COMPLETION AUG 01 2019

| | \$ TOTALS | % DIFF |
|---|--------------|--------|
| FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC | 5,713,743.34 | -12.4 |
| ST WOOTEN CORPORATION WILSON, NC | 5,849,754.21 | -10.3 |
| CAROLINA SUNROCK LLC RALEIGH, NC | 5,991,196.04 | -8.1 |
| ROSE BROTHERS PAVING CO INC AHOSKIE, NC | 7,037,821.31 | +7.9 |

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
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C204076
38389.3.3
BRSTP-0059(005)
CUMBERLAND
B-4491

PROPOSAL LENGTH 1.087 MILES

TYPE OF WORK GRADING, DRAINAGE, PAVING, AND STRUCTURE.

LOCATION BRIDGE #22 OVER I-95BUS/US-301 ON NC-59.

EST CONST PROGRESS.... FY-2018..12% OF BID
FY-2019..56% OF BID
FY-2020..32% OF BID

RPN 008 8 BIDDER(S) DBE GOAL 11.00 %
ESTIMATE 16,305,244.70

DATE AVAILABLE APR 30 2018

INTER COMPLETION JUL 01 2020 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR
PERMANENT VEGETATION ESTABLISHMENT

FINAL COMPLETION DEC 28 2020

| | \$ TOTALS | % DIFF |
|--|---------------|--------|
| BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC | 16,537,010.64 | +1.4 |
| ST WOOTEN CORPORATION WILSON, NC | 16,673,450.74 | +2.3 |
| C. M. LINDSAY & SONS, INC. LUMBERTON, NC | 16,801,989.02 | +3.0 |
| FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC | 17,513,500.00 | +7.4 |
| ENGLISH CONSTRUCTION CO INC LYNCHBURG, VA | 18,790,523.33 | +15.2 |
| CONTI ENTERPRISES, INC EDISON, NJ | 20,552,757.00 | +26.0 |
| BALFOUR BEATTY INFRASTRUCTURE INC WILMINGTON, NC | 21,641,737.32 | +32.7 |
| HIGHLAND PAVING COMPANY LLC FAYETTEVILLE, NC | 22,411,564.97 | +37.5 |

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
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C204096
34821.3.7
STATE FUNDED
GUILFORD
U-2525C

PROPOSAL LENGTH 5.265 MILES

TYPE OF WORK GRADING, DRAINAGE, PAVING, SIGNALS, ITS, AND STRUCTURES.

LOCATION GREENSBORO EASTERN LOOP FROM US-29 NORTH OF GREENSBORO TO SR-2303
(LAWNDALE DR).

EST CONST PROGRESS.... FY-2018..05% OF BID
FY-2019..33% OF BID
FY-2020..26% OF BID
FY-2021..20% OF BID
FY-2022..14% OF BID
FY-2023..02% OF BID

RPN 001 8 BIDDER(S) MBE GOAL 5.00 % WBE GOAL 6.00%
ESTIMATE 167,023,203.76

DATE AVAILABLE APR 30 2018
INTER COMPLETION SEP 01 2022 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR
PERMANENT VEGETATION ESTABLISHMENT
FINAL COMPLETION FEB 28 2023

| | \$ TOTALS | % DIFF |
|--|----------------|--------|
| ES WAGNER COMPANY LLC/SMITH-ROWE, LLC-JV PIEDMONT, SC | 135,331,182.82 | -19.0 |
| VECELLIO & GROGAN INC DBA SHARPE BROTHERS BECKLEY, WV | 140,860,333.09 | -15.7 |
| FLATIRON CONSTRUCTORS INC - BLYTHE DEVELOPMENT CO JOINT VENT E | 147,095,487.21 | -11.9 |
| THALLE CONSTRUCTION CO., INC. HILLSBOROUGH, NC | 147,761,650.42 | -11.5 |
| BRANCH CIVIL INC ROANOKE, VA | 156,215,233.00 | -6.5 |
| THE LANE CONSTRUCTION CORPORATION CHESHIRE, CT | 167,689,995.00 | +0.4 |
| W C ENGLISH INCORPORATED LYNCHBURG, VA | 171,702,752.72 | +2.8 |
| BLYTHE CONSTRUCTION INC CHARLOTTE, NC | 186,902,621.24 | +11.9 |

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
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MARCH 20, 2018

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SUMMARY OF BIDS FOR CONTRACT C204096 WITH THE CONTRACT TIME BEING BID BY EACH BIDDER

DAILY COST = \$10,000.00 / DAY

MAXIMUM NUMBER OF DAYS ALLOWED = 1585

| | CONTRACT TIME (CALENDAR DAYS) | CONTRACT AWARD BASIS | ACTUAL CONTRACT AMOUNT |
|---|----------------------------------|-------------------------|---------------------------|
| ESTIMATED | 1585 | 167,023,203.76 | 151,173,203.76 |
| ES WAGNER COMPANY LLC/SMITH-ROWE, LLC-JV | 1486 | 135,331,182.82 | 120,471,182.82 |
| VECELLIO & GROGAN INC DBA SHARPE BROTHERS | 1264 | 140,860,333.09 | 128,220,333.09 |
| FLATIRON CONSTRUCTORS INC - BLYTHE DEVELOPMENT CO JOINT VENT | 1195 | 147,095,487.21 | 135,145,487.21 |
| THALLE CONSTRUCTION CO., INC. | 1345 | 147,761,650.42 | 134,311,650.42 |
| BRANCH CIVIL INC | 1313 | 156,215,233.00 | 143,085,233.00 |
| THE LANE CONSTRUCTION CORPORATION | 1285 | 167,689,995.00 | 154,839,995.00 |
| W C ENGLISH INCORPORATED | 1219 | 171,702,752.72 | 159,512,752.72 |
| BLYTHE CONSTRUCTION INC | 1324 | 186,902,621.24 | 173,662,621.24 |

*ACTUAL CONTRACT AMOUNT = CONTRACT AWARD BASIS - (CONTRACT TIME) (DAILY COSTS)

HIGHWAY LETTING
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C204120
53057.3.1
NHPIM-0085(6)126
GUILFORD
I-5853

PROPOSAL LENGTH 1.874 MILES

TYPE OF WORK PAVEMENT REHABILITATION.

LOCATION I-85 FROM 1 MILE SOUTH OF SR-1129 TO 0.3 MILES NORTH OF SR-1129 IN GREENSBORO.

EST CONST PROGRESS.... FY-2018..54% OF BID
FY-2019..46% OF BID

RPN 009 1 BIDDER(S) DBE GOAL 8.00 %
ESTIMATE 3,636,582.84

DATE AVAILABLE APR 30 2018

FINAL COMPLETION OCT 01 2018

| | \$ TOTALS | % DIFF |
|--|--------------|--------|
| SHARPE BROTHERS A DIV OF VECELLIO & GROGAN, INC. GREENSBORO, I | 5,196,540.17 | +42.9 |

HIGHWAY LETTING
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C204136

2018CPT.08.06.20761, 2018CPT.09.01.10291, 2018CPT.09.02.20291

STATE FUNDED

DAVIDSON, RANDOLPH

PROPOSAL LENGTH 31.668 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

LOCATION 4 SECTIONS OF NC-8, 1 SECTION OF NC-109, NC-47/NC-109, AND NC-150, AND 20 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2018..16% OF BID

FY-2019..72% OF BID

FY-2020..12% OF BID

RPN 010 3 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 5.00%
ESTIMATE 6,067,190.20

DATE AVAILABLE APR 30 2018

FINAL COMPLETION OCT 26 2019

| | \$ TOTALS | % DIFF |
|--|--------------|--------|
| J T RUSSELL & SONS INC ALBEMARLE, NC | 5,833,070.98 | -3.9 |
| HANES CONSTRUCTION COMPANY LEXINGTON, NC | 6,388,663.66 | +5.3 |
| BLYTHE CONSTRUCTION INC CHARLOTTE, NC | 6,826,127.51 | +12.5 |

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
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C204140

2018CPT.09.01.10291.1, 2018CPT.09.02.20291.3, 2018CPT.09.05.10341, 2018CPT.09.06.20341

STATE FUNDED

DAVIDSON, FORSYTH

PROPOSAL LENGTH 39.458 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

LOCATION 2 SECTIONS OF NC-65, 1 SECTION OF NC-150, NC-66, AND NC-67, AND 12 SECTIONS OF
SECONDARY ROADS.

EST CONST PROGRESS.... FY-2018..12% OF BID

FY-2019..60% OF BID

FY-2020..28% OF BID

RPN 011 2 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 5.00%

ESTIMATE 8,221,854.01

DATE AVAILABLE APR 30 2018

INTER COMPLETION AUG 20 2018 COMPLETE ALL WORK REQUIRED OF MAP #3

FINAL COMPLETION MAY 03 2020

| | \$ TOTALS | % DIFF |
|--|--------------|--------|
| SHARPE BROTHERS A DIV OF VECELLIO & GROGAN, INC. GREENSBORO, I | 8,108,553.87 | -1.4 |
| APAC - ATLANTIC INC THOMPSON ARTHUR DIVISION GREENSBORO, NC | 8,108,808.08 | -1.4 |

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
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C204141

2018CPT.09.07.10801, 2018CPT.09.08.20801

STATE FUNDED

ROWAN

PROPOSAL LENGTH 23.914 MILES

TYPE OF WORK MILLING, RESURFACING & SHOULDER RECONSTRUCTION.

LOCATION 2 SECTIONS OF US-52 AND 13 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2018..20% OF BID
FY-2019..79% OF BID
FY-2020..01% OF BID

RPN 012 3 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 5.00%
ESTIMATE 4,835,388.94

DATE AVAILABLE APR 30 2018

INTER COMPLETION AUG 17 2018 COMPLETE ALL WORK REQUIRED OF MAP #1

FINAL COMPLETION JUL 19 2019

| | \$ TOTALS | % DIFF |
|--|--------------|--------|
| J T RUSSELL & SONS INC ALBEMARLE, NC | 4,964,422.51 | +2.7 |
| GRANITE CONTRACTING LLC CORNELIUS, NC | 5,228,294.18 | +8.1 |
| THE LANE CONSTRUCTION CORPORATION CHESHIRE, CT | 5,231,094.95 | +8.2 |

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
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C204088
34839.3.7
NHP-0074(011)
FORSYTH
U-2579D, U-2579E, U-2579F

PROPOSAL LENGTH 6.900 MILES

TYPE OF WORK DESIGN BUILD.

LOCATION FUTURE I-74 - WINSTON-SALEM NORTHERN BELTWAY FROM WEST OF NC-66/SR-4000
(UNIVERSITY PWY) TO US-311 (NEW WALKERTON RD).

EST CONST PROGRESS.... FY-2018..06% OF BID
FY-2019..20% OF BID
FY-2020..35% OF BID
FY-2021..25% OF BID
FY-2022..14% OF BID

RPN 017 4 BIDDER(S) DBE GOAL 14.00 %
ESTIMATE 140,820,860.00

DATE AVAILABLE APR 30 2018

FINAL COMPLETION JUL 01 2022

QUALITY ADJUSTED PRICE RANKING

| PROPOSAL | TECH SCORE | QUALITY CREDIT % | ACTUAL CONT AMT (PRICE PROP) | ACT % DIFF | QUALITY VALUE | CONT AWARD BASIS (ADJ PRICE) | ADJ % DIFF |
|--------------------------------|---------------|------------------------|---------------------------------------|---------------|------------------|------------------------------------|---------------|
| FLATIRON CONSTRUCTORS INC - | 87.00 | 14.17 | 140,778,000.00 | -0.03 | 19,948,242.60 | 120,829,757.40 | -14.20 |
| BRANCH CIVIL INC | 84.00 | 11.67 | 137,785,000.00 | -2.16 | 16,079,509.50 | 121,705,490.50 | -13.57 |
| * CHANGE IMPROPERLY MADE | | | | | | | |
| * NO INITIAL ON DBE CHANGE | | | | | | | |
| THE LANE CONSTRUCTION | 89.00 | 15.83 | 156,849,995.00 | +11.38 | 24,829,354.21 | 132,020,640.79 | -6.25 |
| WINSTON-SALEM BELTWAY | 87.00 | 14.17 | 162,500,000.00 | +15.39 | 23,026,250.00 | 139,473,750.00 | -0.96 |

| PROPOSAL | PROPOSED COMPLETION DATE |
|---|-----------------------------|
| FLATIRON CONSTRUCTORS INC - BLYTHE DEVE | SEP 29 2021 |
| BRANCH CIVIL INC | NOV 24 2021 |
| THE LANE CONSTRUCTION CORPORATION | DEC 10 2021 |
| WINSTON-SALEM BELTWAY CONSTRUCTORS, L | DEC 01 2021 |

HIGHWAY LETTING
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C204126
47618.3.1
STATE FUNDED
MECKLENBURG
U-6084

PROPOSAL LENGTH 0.632 MILES

TYPE OF WORK GRADING, DRAINAGE, PAVING, AND SIGNALS.

LOCATION INTERSECTION OF NC-16 (BROOKSHIRE BLVD) AND SR-2004 (MOUNT HOLLY HUNTERVILLE RD).

EST CONST PROGRESS.... FY-2018..22% OF BID
FY-2019..78% OF BID

RPN 013 3 BIDDER(S) MBE GOAL 6.00 % WBE GOAL 6.00%
ESTIMATE 6,246,535.47

DATE AVAILABLE APR 30 2018

INTER COMPLETION JUN 16 2019 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION, OR
PERMANENT VEGETATION ESTABLISHMENT
NOV 16 2018 PLACE TRAFFIC IN FINAL TRAFFIC PATTERN, PER PHASE IV, STEP #3 &
PHASE V, STEP #3

FINAL COMPLETION DEC 13 2019

| | \$ TOTALS | % DIFF |
|--|--------------|--------|
| BLYTHE DEVELOPMENT CO. CHARLOTTE, NC | 7,183,514.51 | +15.0 |
| SEALAND CONTRACTORS CORP CHARLOTTE, NC | 7,821,556.95 | +25.2 |
| THE LANE CONSTRUCTION CORPORATION CHESHIRE, CT | 8,405,199.22 | +34.6 |

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
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C204116
53012.3.1
NHPIM-0085(037)
MECKLENBURG
I-5770, I-5796

PROPOSAL LENGTH 7.809 MILES

TYPE OF WORK PAVEMENT REHABILITATION.

LOCATION I-85 FROM CONC PVMT JOINT 0.3 MILES SOUTH OF NC-16 TO CONC PVMT JOINT SOUTH OF SR-1601 (MOORES CHAPEL RD).

EST CONST PROGRESS.... FY-2018..19% OF BID
FY-2019..75% OF BID
FY-2020..06% OF BID

RPN 014 2 BIDDER(S) DBE GOAL 10.00 %
ESTIMATE 10,040,995.70

DATE AVAILABLE APR 30 2018

FINAL COMPLETION SEP 01 2019

| | \$ TOTALS | % DIFF |
|--|---------------|--------|
| CROWDER CONSTRUCTION COMPANY CHARLOTTE, NC | 10,608,928.84 | +5.7 |
| AMERICAN CIVIL CONSTRUCTORS WEST COAST LLC BENICIA, CA | 11,301,685.90 | +12.6 |

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
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C204142

2018CPT.12.07.10231, 2018CPT.12.07.20231

STATE FUNDED

CLEVELAND

PROPOSAL LENGTH 56.970 MILES

TYPE OF WORK MILLING, RESURFACING, WIDENING, AND SHOULDER RECONSTRUCTION.

LOCATION 2 SECTIONS OF NC-216, 1 SECTION OF NC-150, NC-180, AND NC-182, AND 51 SECTIONS OF
SECONDARY ROADS.

EST CONST PROGRESS.... FY-2018..20% OF BID
FY-2019..80% OF BID

RPN 015 2 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 2.00%
ESTIMATE 9,976,687.63

DATE AVAILABLE MAY 01 2018

INTER COMPLETION AUG 31 2018 COMPLETE ALL WORK REQUIRED OF MAP #14

FINAL COMPLETION JUN 28 2019

| | \$ TOTALS | % DIFF |
|--|---------------|--------|
| ASPHALT PAVING OF SHELBY INC SHELBY, NC | 9,039,671.90 | -9.4 |
| THE LANE CONSTRUCTION CORPORATION CHESHIRE, CT | 12,293,493.06 | +23.2 |

HIGHWAY LETTING
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
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C204144

2018CPT.12.10.10491, 2018CPT.12.10.20491

STATE FUNDED

IREDELL

PROPOSAL LENGTH 56.883 MILES

TYPE OF WORK MILLING, RESURFACING, SIGNALS AND SHOULDER RECONSTRUCTION.

LOCATION 3 SECTIONS OF US-21, 2 SECTIONS OF US-64, 1 SECTION OF NC-90, AND 75 SECTIONS OF
SECONDARY ROADS.

EST CONST PROGRESS.... FY-2018..20% OF BID
FY-2019..80% OF BID

RPN 016 1 BIDDER(S) MBE GOAL 3.00 % WBE GOAL 3.00%
ESTIMATE 8,301,930.40

DATE AVAILABLE MAY 01 2018

FINAL COMPLETION JUN 28 2019

| | \$ TOTALS | % DIFF |
|-------------------------------|--------------|--------|
| MAYMEAD INC MOUNTAIN CITY, TN | 8,598,932.00 | +3.6 |

| | | |
|----------------|----------------|------|
| ESTIMATE TOTAL | 433,345,352.95 | |
| LETTING TOTAL | 396,110,984.23 | -8.6 |

**NCDOT April 2018
Board of Transportation Agenda**

According to Executive Order No. 2 and G. S. 143B-350 (g) the Board is requested to concur with staff recommendations and delegate authority to the Secretary to award contracts to private firms for engineering services.

Professional Services Management

Chief Deputy Secretary

Transportation Planning Division

Planning & Forecasting

After careful evaluation of the workload and schedules of the work that can be accomplished by our staff, it was determined necessary to employ private firms for providing General Transportation Planning Services on an as needed basis for various federal-aid and state funded projects to support the Planning & Forecasting Unit. These contracts will expire two (2) years with one (1) one-year extension possible after the date of execution or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

STATEWIDE

| | |
|--------------------------|--|
| Description of Work: | 2018 General Transportation Planning Services LSC |
| Firm: | AECOM Technical Services of North Carolina Inc, Chicago, IL |
| Maximum Engineering Fee: | \$250,000.00 |
| SPSF Utilization: | 0% |

| | |
|---------------------------|---|
| Description of Work: | 2018 General Transportation Planning Services LSC |
| Firm: | Atkins North America Inc, Raleigh, NC |
| Maximum Engineering Fee: | \$250,000.00 |
| SPSF Utilization: | Data Transfer Solutions, LLC 10% / \$25,000.00 |
| DBE/WBE/SPSF Utilization: | Simon Resources Inc 5% / \$12,500.00 |
| SPSF Utilization: | Clearbox Forecast Group PLLC 5% / \$12,500.00 |
| DBE/WBE/SPSF Utilization: | Three Oaks Engineering 5% / \$12,500.00 |

| | |
|--------------------------|--|
| Description of Work: | 2018 General Transportation Planning Services LSC |
| Firm: | RS&H Architects-Engineers-Planners, Inc., Charlotte, NC |
| Maximum Engineering Fee: | \$250,000.00 |
| SPSF Utilization : | Clearbox Forecast Group PLLC 10% / \$25,000.00 |

| | |
|---------------------------|---|
| Description of Work: | 2018 General Transportation Planning Services LSC |
| Firm: | STV Engineers, Inc., Charlotte, NC |
| Maximum Engineering Fee: | \$250,000.00 |
| SPSF Utilization: | City Explained, Inc. 5% / \$12,500.00 |
| SPSF Utilization: | Patriot Transportation Engineering PLLC 5% / \$12,500.00 |
| DBE/WBE/SPSF Utilization: | Public Information Associates 5% / \$12,500.00 |

| | |
|---------------------------|---|
| Description of Work: | 2018 General Transportation Planning Services LSC |
| Firm: | VHB Engineering NC, P.C., Watertown, MA |
| Maximum Engineering Fee: | \$250,000.00 |
| DBE/MBE/SPSF Utilization: | Public Participation Partners 5% / \$12,500.00 |

| | |
|--------------------------|---|
| Description of Work: | 2018 General Transportation Planning Services LSC |
| Firm: | WSP USA Inc, Raleigh, NC |
| Maximum Engineering Fee: | \$250,000.00 |
| SPSF Utilization: | 0% |

Planning and Forecasting

The following are supplemental contracts to previous contracts approved by the Board with the same engineering firms. These supplemental contracts were necessary due to approved additional work that was unknown at the inception and is required of the firms to complete the project. Our staff has completed the actions in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

STATEWIDE

| | |
|----------------------------|--|
| Description of work: | 2016 Traffic Forecasting LSC |
| Firm: | AECOM Technical Services of North Carolina Inc, Chicago, IL |
| Original Engineering Fee: | \$500,000.00 |
| Previous Supplemental Fee: | \$500,000.00 |
| Supplemental Fee: | \$500,000.00 |
| SPSF Utilization: | Clearbox Forecast Group PLLC 10% / \$50,000.00 |

| | |
|----------------------------|--|
| Description of work: | 2016 Traffic Forecasting LSC |
| Firm: | RS&H Architects-Engineers-Planners, Inc., Charlotte, NC |
| Original Engineering Fee: | \$500,000.00 |
| Previous Supplemental Fee: | \$1,000,000.00 |
| Supplemental Fee: | \$500,000.00 |
| SPSF Utilization: | Clearbox Forecast Group PLLC 15% / \$75,000.00 |

Chief Operating Officer

Information Technology

Geographic Information Systems (GIS)

The following is a supplemental contract to a previous contract approved by the Board with the same engineering firm. This supplemental contract was necessary due to approved additional work that was unknown at the inception and is required of the firm to complete the project. Our staff has completed the actions in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

STATEWIDE

| | |
|---------------------------|--|
| Description of work: | 2017 Linear Referencing Backlog Assistance |
| Firm: | Timmons Group Inc, Raleigh, NC |
| Original Engineering Fee: | \$525,000.00 |
| Supplemental Fee: | \$525,000.00 |
| SPSF Utilization: | 0% |

Chief Engineer

Transportation Mobility and Safety

ITS & Signals

After careful evaluation of the workload and schedules of the work that can be accomplished by our staff, it was determined necessary to employ a private firm to prepare detailed plans, specifications and an engineer's estimate for the rehabilitation/expansion of the Greenville computerized traffic signal system (U-5952) listed below for our Department to obligate available funds. Our staff was authorized to proceed with the actions required to employ private engineering firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

DIVISION 2

| | |
|------------------------------|---|
| Project: | 44996.1.1 (U-5952) Pitt County Greenville - Signal System |
| Scope of Work: | ITS and Signal Design |
| Estimated Construction Cost: | \$8,472,000.00 |
| Firm: | Dewberry Engineers Inc, Raleigh, NC |
| Maximum Engineering Fee: | \$1,800,000.00 |
| SPSF Utilization: | Summit Design and Engineering Services PLLC 20% / \$360,000.00 |

Divisions

Division 2

The following is a supplemental contract to a previous contract approved by the Board with the same engineering firm. This supplemental contract was necessary due to approved additional work that was unknown at the inception and is required of the firm to complete the project. Our staff has completed the actions in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

DIVISION 2

| | |
|------------------------------|--|
| Project: | 34460.1.2 (R-2553) Lenoir County US 70 (Kinston Bypass) |
| Scope of Work: | Environmental Impact Statement / Record of Decision |
| Estimated Construction Cost: | \$314,000,000.00 |
| Firm: | AECOM Technical Services of North Carolina Inc, Chicago, IL |
| Original Engineering Fee: | \$1,000,000.00 |
| Previous Supplemental Fee: | \$3,000,000.00 |
| Supplemental Fee: | \$2,000,000.00 |
| Supplemental Work: | Completion of the FEIS and the ROD |
| SPSF Utilization: | 0% |

Division 4

The following is a supplemental contract to a previous contract approved by the Board with the same engineering firm. This supplemental contract was necessary due to approved additional work that was unknown at the inception and is required of the firm to complete the project. Our staff has completed the actions in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

DIVISION 4

| | |
|----------------------------|--|
| Description of Work: | 2017 On-Call General Engineering Services for Division-Managed Projects LSC |
| Firm: | Kisinger Campo & Associates Corp, Tampa, FL |
| Original Engineering Fee: | \$500,000.00 |
| Previous Supplemental Fee: | \$2,000,000.00 |
| Supplemental Fee: | \$1,000,000.00 |
| DBE/WBE/SPSF Utilization: | Ecological Engineering LLP 4% / \$40,000.00 |
| SPSF Utilization: | Ramey Kemp & Associates, Inc. 4% / \$40,000.00 |
| SPSF Utilization: | TGS Engineers 4% / \$40,000.00 |
| DBE/WBE/SPSF Utilization: | Three Oaks Engineering 4% / \$40,000.00 |

Division 6

After careful evaluation of the workload and schedules of the work that can be accomplished by our staff, it was determined necessary to employ a private firm to provide Construction Engineering and Inspection Services for projects U-2519AA & AB, B-4491, and Bridge No. 008 listed below for our Department to obligate available funds. Our staff was authorized to proceed with the actions required to employ private engineering firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

DIVISION 6

| | |
|-------------------------------|---|
| Projects: | 34817.3.3GV6 and 34817.3.4A (U-2519AA & AB) Robeson & Cumberland Counties; 38389.3.3 (B-4491) Cumberland County; 41665.7A Cumberland County Fayetteville Outer Loop from I-95 in Robeson County to south of SR 1003 (Camden Road) in Cumberland County; Replace Bridge 22 over I-95B/US 301 on NC 59; Bridge No. 129 & 130 on I-95 Business Loop over US 301 and Bridge No. 008 on US 301 over I-95 Business Loop SBL |
| Scope of Work: | Construction Engineering and Inspection Services |
| Estimated Construction Costs: | \$50,700,000.00 (U-2519AA) \$109,500,000.00 (U-2519AB) \$15,099,000.00 (B-4491) \$4,895,444.27 (WBS 41665.7A) |
| Firm: | KCI Associates of North Carolina PA, Baltimore, MD |
| Maximum Engineering Fee: | \$10,500,000.00 |
| SPSF Utilization: | 0% |

Divisions 10-14

The following is a supplemental contract to a previous contract approved by the Board with the same engineering firm. This supplemental contract was necessary due to approved additional work that was unknown at the inception and is required of the firm to complete the project. Our staff has completed the actions in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

DIVISIONS 10-14

| | |
|----------------------------|---|
| Description of work: | 2015 Western Region Highway Divisions (Divisions 10,11,12,13,14) LSC |
| Firm: | Kimley-Horn & Associates Inc, Raleigh, NC |
| Original Engineering Fee: | \$3,000,000.00 |
| Previous Supplemental Fee: | \$3,000,000.00 |
| Supplemental Fee: | \$1,500,000.00 |
| DBE/WBE/SPSF Utilization: | CH Engineering PLLC 20% / \$300,000.00 |
| SPSF Utilization: | North State Acquisitions, LLC 3% / \$45,000.00 |
| DBE/WBE/SPSF Utilization: | New South Associates Inc 2% / \$30,000.00 |

April 5, 2018

Field Support

Roadside Environmental Unit

The following are supplemental contracts to previous contracts approved by the Board with the same engineering firms. These supplemental contracts were necessary due to approved additional work that was unknown at the inception and is required of the firms to complete the projects. Our staff has completed the actions in accordance with the policies and procedures adopted by the Board on May 7, 2009. These are for information only.

STATEWIDE

| | |
|----------------------------|--|
| Description of Work: | 2014 Roadway Enhancement Plans LSC |
| Firm: | AMEC Foster Wheeler Environment & Infrastructure, Inc., Durham, NC |
| Original Engineering Fee: | \$500,000.00 |
| Previous Supplemental Fee: | One (1) year time-extension only |
| Supplemental Fee: | One (1) year time-extension only |
| SPSF Utilization: | 0% |

| | |
|----------------------------|------------------------------------|
| Description of Work: | 2014 Roadway Enhancement Plans LSC |
| Firm: | Design Workshop, Inc., Denver, CO |
| Original Engineering Fee: | \$500,000.00 |
| Previous Supplemental Fee: | One (1) year time-extension only |
| Supplemental Fee: | One (1) year time-extension only |
| SPSF Utilization: | 0% |

| | |
|----------------------------|---------------------------------------|
| Description of Work: | 2014 Roadway Enhancement Plans LSC |
| Firm: | OBS Landscape Architects, Raleigh, NC |
| Original Engineering Fee: | \$500,000.00 |
| Previous Supplemental Fee: | One (1) year time-extension only |
| Supplemental Fee: | One (1) year time-extension only |
| SPSF Utilization: | 0% |

| | |
|----------------------------|------------------------------------|
| Description of Work: | 2014 Roadway Enhancement Plans LSC |
| Firm: | Stewart, Philadelphia, PA |
| Original Engineering Fee: | \$500,000.00 |
| Previous Supplemental Fee: | One (1) year time-extension only |
| Supplemental Fee: | One (1) year time-extension only |
| SPSF Utilization: | 100% |

| | |
|----------------------------|---|
| Description of Work: | 2014 Roadway Enhancement Plans LSC |
| Firm: | Stimmel Associates, PA, Winston-Salem, NC |
| Original Engineering Fee: | \$500,000.00 |
| Previous Supplemental Fee: | One (1) year time-extension only |
| Supplemental Fee: | One (1) year time-extension only |
| SPSF Utilization: | 100% |

Roadside Environmental Unit

The following are supplemental contracts to previous contracts approved by the Board with the same engineering firms. These supplemental contracts were necessary due to approved additional work that was unknown at the inception and is required of the firms to complete the projects. Our staff has completed the actions in accordance with the policies and procedures adopted by the Board on May 7, 2009. These are for information only.

STATEWIDE

Description of Work: 2015 Erosion and Sediment Control Design LSC
Firm: HDR Engineering Inc of the Carolinas, Chicago, IL
Original Engineering Fee: \$500,000.00
Supplemental Fee: \$200,000.00 and One (1) year time-extension
SPSF Utilization: 0%

Description of Work: 2015 Erosion and Sediment Control Design LSC
Firm: TGS Engineers, Shelby, NC
Original Engineering Fee: \$500,000.00
Supplemental Fee: \$200,000.00 and One (1) year time-extension
SPSF Utilization: 100%

Description of Work: 2015 Erosion and Sediment Control Design LSC
Firm: Sungate Design Group PA, Raleigh, NC
Original Engineering Fee: \$500,000.00
Supplemental Fee: \$200,000.00 and One (1) year time-extension
SPSF Utilization: 100%

Description of Work: 2015 Erosion and Sediment Control Design LSC
Firm: ICA Engineering Inc, Raleigh, NC
Original Engineering Fee: \$500,000.00
Supplemental Fee: One (1) year time-extension only
SPSF Utilization: 0%

Description of Work: 2015 Erosion and Sediment Control Design LSC
Firm: AECOM Technical Services of North Carolina Inc, Chicago, IL
Original Engineering Fee: \$500,000.00
Supplemental Fee: One (1) year time-extension only
SPSF Utilization: 0%

Description of Work: 2015 Erosion and Sediment Control Design LSC
Firm: Rummel Klepper & Kahl LLP, Raleigh, NC
Original Engineering Fee: \$500,000.00
Supplemental Fee: One (1) year time-extension only
SPSF Utilization: 0%

Description of Work: 2015 Erosion and Sediment Control Design LSC
Firm: Ecological Engineering LLP, Cary, NC
Original Engineering Fee: \$500,000.00
Supplemental Fee: One (1) year time-extension only
DBE/WBE/SPSF Utilization: 100%

| | |
|---------------------------|--|
| Description of Work: | 2015 Erosion and Sediment Control Design LSC |
| Firm: | Wetherill Engineering, Inc., Raleigh, NC |
| Original Engineering Fee: | \$500,000.00 |
| Supplemental Fee: | One (1) year time-extension only |
| DBE/WBE/SPSF Utilization: | 100% |

| | |
|---------------------------|--|
| Description of Work: | 2015 Erosion and Sediment Control Design LSC |
| Firm: | WSP USA Inc, Raleigh, NC |
| Original Engineering Fee: | \$500,000.00 |
| Supplemental Fee: | One (1) year time-extension only |
| SPSF Utilization: | 0% |

| | |
|---------------------------|--|
| Description of Work: | 2015 Erosion and Sediment Control Design LSC |
| Firm: | STV Engineers, Inc., Charlotte, NC |
| Original Engineering Fee: | \$500,000.00 |
| Supplemental Fee: | One (1) year time-extension only |
| SPSF Utilization: | 0% |

| | |
|---------------------------|--|
| Description of Work: | 2015 Erosion and Sediment Control Design LSC |
| Firm: | Kimley-Horn & Associates Inc, Raleigh, NC |
| Original Engineering Fee: | \$500,000.00 |
| Supplemental Fee: | One (1) year time-extension only |
| SPSF Utilization: | 0% |

| | |
|---------------------------|--|
| Description of Work: | 2015 Erosion and Sediment Control Design LSC |
| Firm: | HNTB of North Carolina PC, Raleigh, NC |
| Original Engineering Fee: | \$500,000.00 |
| Supplemental Fee: | \$200,000.00 and One (1) year time-extension |
| SPSF Utilization: | 0% |

| | |
|---------------------------|--|
| Description of Work: | 2015 Erosion and Sediment Control Design LSC |
| Firm: | Stantec Consulting Services Inc, Raleigh, NC |
| Original Engineering Fee: | \$500,000.00 |
| Supplemental Fee: | One (1) year time-extension only |
| SPSF Utilization: | 0% |

| | |
|---------------------------|--|
| Description of Work: | 2015 Erosion and Sediment Control Design LSC |
| Firm: | Moffatt & Nichol Incorporated, Raleigh, NC |
| Original Engineering Fee: | \$500,000.00 |
| Supplemental Fee: | One (1) year time-extension only |
| SPSF Utilization: | 0% |

| | |
|---------------------------|--|
| Description of Work: | 2015 Erosion and Sediment Control Design LSC |
| Firm: | The Louis Berger Group Inc, Morristown, NJ |
| Original Engineering Fee: | \$500,000.00 |
| Supplemental Fee: | One (1) year time-extension only |
| SPSF Utilization: | 0% |

Right of Way Unit

After careful evaluation of the workload and schedules of the work that can be accomplished by our staff, it was determined necessary to employ a private firm to acquire the right of way for the project listed below for our Department to obligate available funds. Our staff was authorized to proceed with the actions required to employ private engineering firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

DIVISION 8

| | |
|------------------------------|--|
| Project: | 38887.2.3 (R-3830) Lee County NC 42 from US 421 to SR 1579 (Broadway Road) in Sanford and SR1579 from NC 42 to SR 1538 (East Harrington Avenue) in Broadway |
| Scope of Work: | Right of Way acquisition, negotiations, legal, appraisal and relocation assistance |
| Estimated Construction Cost: | \$31,200,000.00 |
| Firm: | The Right of Way Group LLC, Lumberton, NC |
| Maximum Engineering Fee: | \$932,500.00 |
| SPSF Utilization: | 100% |

Utilities Unit

The following is a supplemental contract to a previous contract approved by the Board with the same engineering firm. This supplemental contract was necessary due to approved additional work that was unknown at the inception and is required of the firm to complete the project. Our staff has completed the actions in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

STATEWIDE

| | |
|----------------------------|---|
| Description of work: | 2016 Utilities Coordination Services LSC |
| Firm: | Telecommunication & Industrial Consulting Services Corp, Pineville, NC |
| Original Engineering Fee: | \$500,000.00 |
| Previous Supplemental Fee: | \$100,000.00 |
| Supplemental Fee: | \$100,000.00 |
| SPSF Utilization: | 0% |

Highway Operations

State Maintenance Operations

After careful evaluation of the workload and schedules of the work that can be accomplished by our staff, it was determined necessary to employ a private firm for Management of the Outdoor Advertising Program. This contract will expire one (1) year with two (2) optional one-year extensions after the date of execution or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

STATEWIDE

| | |
|--------------------------|--|
| Description of Work: | 2018 Management of the Outdoor Advertising Program |
| Firm: | Volkert Inc, Birmingham, AL |
| Maximum Engineering Fee: | \$4,000,000.00 |
| SPSF Utilization: | 0% |

April 5, 2018

Transportation Asset Analytics

After careful evaluation of the workload and schedules of the work that can be accomplished by our staff, it was determined necessary to employ private firms for Staff Full-Time Equivalents (FTE) On-site for GIS/Engineering Technicians and GIS Analysts on an as needed basis for various federal-aid and state funded projects to support the Transportation Asset Analytics Unit. These contracts will expire two (2) years with two (2) one-year extensions possible after the date of execution or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

STATEWIDE

| | |
|--------------------------|---|
| Description of Work: | 2018 Staff Full-Time Equivalents (FTE) On-site for GIS/Engineering Technicians and GIS Analysts LSC |
| Firm: | Arcadis G&M of North Carolina, Inc., Raleigh, NC |
| Maximum Engineering Fee: | \$2,000,000.00 |
| SPSF Utilization: | 0% |

| | |
|--------------------------|---|
| Description of Work: | 2018 Staff Full-Time Equivalents (FTE) On-site for GIS/Engineering Technicians and GIS Analysts LSC |
| Firm: | Gannett Fleming Inc, Philadelphia, PA |
| Maximum Engineering Fee: | \$500,000.00 |
| SPSF Utilization: | 0% |

Transportation Asset Analytics

The following is a supplemental contract to a previous contract approved by the Board with the same engineering firm. This supplemental contract was necessary due to approved additional work that was unknown at the inception and is required of the firm to complete the project. Our staff has completed the actions in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

STATEWIDE

| | |
|---------------------------|---|
| Description of work: | 2016 Highway Asset Inventory and Assessments Contract |
| Firm: | Volkert Inc, Birmingham, AL |
| Original Engineering Fee: | \$2,000,000.00 |
| Supplemental Fee: | \$1,000,000.00 |
| SPSF Utilization: | 0% |

Technical Services

Roadway Design

The following is a supplemental contract to a previous contract approved by the Board with the same engineering firm. This supplemental contract was necessary due to approved additional work that was unknown at the inception and is required of the firm to complete the project. Our staff has completed the actions in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

STATEWIDE

| | |
|----------------------------|---|
| Description of work: | 2015 Planning and Design LSC |
| Firm: | Vaughn & Melton Consulting Engineers Inc, Asheville, NC |
| Original Engineering Fee: | \$1,500,000.00 |
| Previous Supplemental Fee: | \$500,000.00 |
| Supplemental Fee: | \$750,000.00 |
| DBE/WBE/SPSF Utilization: | Three Oaks Engineering 15% / \$ 112,500.00 |
| SPSF Utilization: | Parrish and Partners of NC PLLC 15% / \$ 112,500.00 |

Hydraulics Unit

The following is a supplemental contract to a previous contract approved by the Board with the same engineering firm. This supplemental contract was necessary due to approved additional work that was unknown at the inception and is required of the firm to complete the project. Our staff has completed the actions in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

STATEWIDE

| | |
|---------------------------|---|
| Description of work: | 2016 Hydraulics Design LSC |
| Firm: | AECOM Technical Services of North Carolina Inc, Chicago, IL |
| Original Engineering Fee: | \$1,250,000.00 |
| Supplemental Fee: | \$500,000.00 |
| SPSF Utilization: | 0% |

Environmental Analysis Unit

The following is a supplemental contract to a previous contract approved by the Board with the same engineering firm. This supplemental contract was necessary due to approved additional work that was unknown at the inception and is required of the firm to complete the project. Our staff has completed the actions in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

DIVISION 1

| | |
|------------------------------|---|
| Project: | 32635.1.3 (B-2500) Dare County |
| Scope of Work: | Replace Bridge 11 over the Oregon Inlet on NC 12 |
| Estimated Construction Cost: | Prepare mitigation for SAV's for Phases I and II |
| Firm: | \$181,316,000.00 |
| Original Engineering Fee: | CSA International Inc, Stuart, FL |
| Previous Supplemental Fee: | \$850,000.00 |
| Supplemental Fee: | \$1,436,650.58 |
| Supplemental Work: | \$41,322.43 |
| SPSF Utilization: | Bonner Bridge Seagrass Restoration, Construction and Monitoring |
| | 0% |

**NCDOT April 2018 BOARD OF TRANSPORTATION AGENDA
Secondary Road Improvement Projects (Highway and Trust Funds)**

According to G.S. 143B-350(g), the Board is requested to concur with staff recommendations and delegate authority to the Secretary to approve funds for Secondary Road Improvement projects

| Div / County | SR No. / Road Name | Description | Amount |
|------------------------|-----------------------------|---|---------------|
| Div 5 Division Wide | Various Routes | Division 5 Maintenance/Operations Increase Funds WBS 1DOT.1.1.1.5.1 | \$254,397.78 |
| Div 7 Guilford | SR 2256 Crestfield Road | Grade, Drain, Base & Pave Establish Funds WBS 7C.041262 | \$189,533.53 |
| Div 8 Randolph | SR 2449 Kings Way Road | Grade, Drain, Base & Pave Establish Funds WBS 8C.076161 | \$325,000.00 |
| Div 8 Randolph | SR 1187 Harvell Road | Grade, Drain, Base & Pave Establish Funds WBS 8C.076162 | \$103,571.43 |
| Div 9 Davidson | SR 1466 Chapman Drive | Grade, Drain, Base & Pave Establish Funds WBS 9C.029115 | \$260,000.00 |
| Div 9 Davidson | SR 3320 Martin Ave | Grade, Drain, Base & Pave Establish Funds WBS 9C.029116 | \$169,571.43 |
| Div 11 Watauga | Various Routes | Spot Improvements/Stabilization Increase Funds WBS 11C.095027 | \$4,623.26 |
| Div 13 Buncombe | SR 1386 Sandy River Road | Grade, Drain, Base & Pave Establish Funds WBS 13C.011145 | \$260,000.00 |

Closings:

| | | | |
|--------------------|-----------------------------------|---|------------|
| Div 11 Caldwell | SR 1356C Old John's River Road | Grade, Drain, Base & Pave Increase Funds WBS 11C.014093 | \$2,869.48 |
|--------------------|-----------------------------------|---|------------|

Item E Summary:

| | | |
|----------|------------------------------------|-----------------------|
| 6 | Projects to Establish Funds | \$1,307,676.39 |
| 2 | Projects to Increase Funds | \$259,021.04 |
| 1 | Project Closing | \$2,869.48 |

April 5, 2018

NCDOT April 2018 Board of Transportation Agenda

Additions:

| County | Pet. No. | Length Added (Miles) | Description | Date of Report |
|-------------------|----------|----------------------------|---|-------------------|
| Division 1 | | | | |
| Currituck | 51581 | | Shingle Landing Subdivision | 2/5/18 |
| | | 0.46 | Applewood Drive | |
| | | 0.53 | Creekside Drive | |
| | | 0.03 | Creekview Circle | |
| | | 0.92 | Moyock Landing Drive | |
| Pasquotank | 51582 | | Carter's Glen Subdivision | 2/5/18 |
| | | 0.14 | Cutter's Lane | |
| | | 0.10 | Whipple Avenue | |
| Division 3 | | | | |
| New Hanover | 51583 | | The Fields at Wendover Subdivision | 2/22/18 |
| | | 0.12 | Bloomington Lane, SR 2931 Ext. | |
| New Hanover | 51584 | | West Bay Estates Subdivision | 2/28/18 |
| | | 0.96 | Lendire Road | |
| | | 0.16 | Beacon Drive, SR 2718 Ext. | |
| Division 4 | | | | |
| Johnston | 51585 | | Langdon Subdivision | |
| | | 0.20 | Shetland Lane | 12/19/17 |
| Johnston | 51586 | | Remington Hills Subdivision | 12/12/17 |
| | | 0.22 | Red Wood Road, SR 3265 Ext. | |
| | | 0.10 | Box Elder Way | |
| Johnston | 51587 | | Sandy Grove Subdivision | 1/11/18 |
| | | 0.21 | Windy Drive | |
| | | 0.04 | Brisk Court | |
| | | 0.06 | Calm Court | |
| Johnston | 51588 | | The Bluffs of Southfort Plantation Subdivision | 1/11/18 |
| | | 0.12 | Brahma Drive | |
| | | 0.05 | Larkwood Lane | |
| | | 0.09 | Shadowbark Drive | |
| Nash | 51589 | | Oak Level Crossing Subdivision | 6/6/17 |
| | | 0.05 | Balsam Drive | |
| | | 0.35 | Elmwood Road | |
| | | 0.29 | Eastlake Road | |

April 5, 2018

NCDOT April 2018 Board of Transportation Agenda

Additions:

| County | Pet. No. | Length Added (Miles) | Description | Date of Report |
|--------------------|-----------------|--|---|---------------------------|
| Division 5 | | | | |
| Durham | 51590 | 0.31 | Country Knoll Subdivision South Forty Road | 2/2/18 |
| Granville | 51591 | 0.24 0.18 | Woodlief Meadows Subdivision Irvin Street Alice Drive | 2/12/18 |
| Division 6 | | | | |
| Cumberland | 51592 | 0.32 0.20 0.11 0.08 | Upchurch Farm Subdivision Homeland Drive Lion Heart Lane Ubet Place True Fews Circle | 2/14/18 |
| Harnett | 51593 | 0.11 | Atkins Village Subdivision Cardona Court | 2/19/18 |
| Harnett | 51594 | 0.07 0.34 0.06 | Ballard Woods Subdivision Joseph Alexander Dr., SR 1364 Ext. Gwendolyn Way Kendrick Court | 2/5/18 |
| Division 7 | | | | |
| Guilford | 51595 | 0.07 | Sumner Hills Subdivision Fairway Drive, SR 4069 Ext. | 12/22/17 |
| Division 12 | | | | |
| Gaston | 51596 | 0.22 0.12 0.06 | Lake Mist Subdivision Lake Mist Drive Lake Breeze Lane Shady Creek Court | 1/24/18 |
| Lincoln | 51597 | 0.11 0.48 0.18 0.19 0.53 0.15 | Eastwind Cove Subdivision Eastwind Cove Road Harmattan Drive Sellers Way Windflower Lane Rivendell Road Blue Dory Lane | 11/14/17 |

NCDOT April 2018 Board of Transportation Agenda

Abandonments:

| County | Pet. No. | Length Abandoned (Miles) | Description | Date of Report |
|-----------------------------|----------|--------------------------------|---|-------------------|
| Division 11 Surry | 51598 | 0.34 | Portion of Elkin Landfill Road SR 1191 (retain 0.16 miles) | 2/23/18 |

Summary: Number of roads petitioned for addition - 42
Number of roads petitioned for abandonment - 1

Corrections:

| County | Requested Action |
|--------------------|---|
| Division 2 | |
| Beaufort | SR 1329 was originally added in 1952 at 0.40 mile. Correct the maintenance length to 0.38 mile per survey and construction done in 1997 via project 2.46808. |
| Craven | SR 1228. Correct the maintenance length to 0.97 mile. A prior mileage correction to 1.00 mile was done in 1980 to reflect the distance on the 1944 certified mileage map. Per the District office, NCDOT no longer maintains beyond a physical End State Maintenance sign that is located at 0.97 mile. |
| Division 10 | |
| Mecklenburg | Petition 51577 was incorrectly listed under the March 2018 Item G agenda. It is correctly listed on the April 2018 Item P agenda. |

NCDOT APRIL 2018 BOARD OF TRANSPORTATION AGENDA**Funds Request****Division-wide Small Construction, Statewide Contingency,
Public Access, Economic Development, High Impact/Low Cost**

According to Executive Order No. 2 and G.S. 143B-350(g), the Board is requested to concur with staff recommendation and delegate authority to the Secretary to approve funds for specific Division-wide Small Construction / Statewide Contingency projects.

| County | Description | Type | Amount |
|-----------------|---|--------------------|---------------------|
| Div 2 | City of Greenville – construct left turn lane on Greenville Blvd at Greenville Christian Academy | Contingency | \$105,500.00 |
| | WBS 50250 | <u>TOTAL</u> | <u>\$105,500.00</u> |
| Div 4 Wilson | City of Wilson – Grading, drainage improvements, and paving of industrial access road (Potato House Court) to Wind River Tobacco Company | Contingency | \$70,000.00 |
| | WBS 80057 | Public Access | \$50,000.00 |
| | | <u>TOTAL</u> | <u>\$120,000.00</u> |
| Div 5 Wake | Installation of traffic signals at various locations throughout Wake County. | Small Construction | \$104,915.12 |
| | WBS 44476 – Increase funds | <u>TOTAL</u> | <u>\$104,915.12</u> |
| Div 9 Davie | Town of Cooleemee - Installation of curb and gutter and drainage improvements on the north side of SR 1116 (Marginal St) between Rocky Hill Trail and Ruffin St | Small Construction | \$40,905.67 |
| | WBS 44498 – Increase funds and close | <u>TOTAL</u> | <u>\$40,905.67</u> |
| Div 9 Rowan | Town of Granite Quarry – Upgrade extension of Veronica Lane to state standards for addition to the state system. | Small Construction | \$50,000.00 |
| | WBS 47726 – Increase funds | <u>TOTAL</u> | <u>\$50,000.00</u> |
| Div 10 Union | Widen New Town Road (SR 1315) for a left turn lane at Cuthbertson Road (SR 1321) | Small Construction | \$100,087.87 |
| | WBS 44720.3.1 | <u>TOTAL</u> | <u>\$100,087.87</u> |

NCDOT APRIL 2018 BOARD OF TRANSPORTATION AGENDA
Funds Request
Division-wide Small Construction, Statewide Contingency,
Public Access, Economic Development, High Impact/Low Cost

| | | | |
|---------------------|--|---|---|
| Div 12 Cleveland | Construction of turn lanes and industrial road at Washburn Switch Industrial Park. WBS 47336 | Contingency TOTAL | \$658,734.00 \$658,734.00 |
| Div 12 Gaston | Town of Cramerton – US 74 (Wilkinson Blvd)/SR 2209 (Market St) and SR 2209 (Weslyan Dr) pedestrian improvements WBS 47897 | Contingency TOTAL | \$750,000.00 \$750,000.00 |
| Div 13 Madison | Guardrail installation along SR 1318 (Guntertown Rd) and SR 1316 (Chapel Hill Church Rd) WBS 47901 | Contingency TOTAL | \$387,656.00 \$387,656.00 |
| Div 14 Clay | Town of Hayesville – Symmetrical widening along US 64 at the intersection of SR 1353 (East Vineyard Rd) for the construction of left turning lanes for US 64 traffic, widen travel lanes along SR 1353 from 9' to 11' beginning at US 64 and ending at SR 1169 (Eagle Fork Rd) to improve motorist safety and good movements to and from the Advanced Digital Cable – Eagle Fork Plant. WBS 80047 (companion funds to SS-4901CC) | Contingency Economic Development Public Access TOTAL | \$300,000.00 \$237,500.00 \$87,500.00 \$625,000.00 |

Summary:

| | |
|----------------------------|-----------|
| Number of Divisions | 8 |
| Number of Projects | 10 |

| | |
|---|-----------------------|
| Small Construction Commitment | \$295,908.66 |
| Public Access Commitment | \$137,500.00 |
| Contingency Commitment | \$2,271,890.00 |
| Economic Development Commitment | \$237,500.00 |
| <u>High Impact/Low Cost Commitment</u> | <u>\$0.00</u> |

TOTAL \$1,539,730.37

**NCDOT April 2018 Board of Transportation Agenda
Public Transportation Program**

| Division | DEMONSTRATION GRANT | Estimated Cost | |
|----------|--|----------------|---------|
| 1 | 19-DG-937 County of Hyde - The Ocracoke – Hatteras | \$ 700,000 | Total |
| | tram operation is key to the success of our passenger ferry | \$ - | Federal |
| | project. The partnership between NCDOT and the County of | \$ 350,000 | State |
| | Hyde continues to be an important part of this success. | \$ 350,000 | Local |
| | NCDOT commits to funding the tram service at ½ the total operating costs up to \$90,000 per year for the following years – 2018 (partial year), 2019, 2020 and 2021. | | |

Item I - 1, 1 Project(s), Total Federal/State Funds \$350,000

**STI projects funded through the Highway Trust Fund are approved by the BOT on Item K*

ADDITIONS to the Transit 2018-2027 STIP

| STIP # | TRANSIT PARTNER | DESCRIPTION | MATCH | FUND | FY18 (000) | FY19 (000) | FY20 (000) | FY21 (000) | FY22 (000) | FY23 (000) | FY24 (000) | FY25 (000) |
|---------|-----------------------------|---|-------|-------|------------|------------|------------|------------|------------|------------|------------|------------|
| TA-6702 | Asheville Redefines Transit | Replacement vehicles | STPDA | STPDA | 892 | | | | | | | |
| | | | Local | L | 223 | | | | | | | |
| TD-5302 | City of Salisbury | Preventive Maintenance for bus & bus facility, facility improvements & repairs, automatic bus washer, shop equipment, fueling system, security gate upgrade | FBUS | 5339 | 324 | 324 | 324 | 324 | 324 | 324 | 324 | |
| | | | Local | L | 81 | 81 | 81 | 81 | 81 | 81 | 81 | |
| TA-5182 | City of Salisbury | Expansion Vehicle (ADA Paratransit, Administration) | FBUS | 5339 | 320 | 320 | 320 | 320 | 320 | 320 | 320 | |
| | | | Local | L | 80 | 80 | 80 | 80 | 80 | 80 | 80 | |

MODIFICATIONS to the 2018-2027 STIP

| STIP # | TRANSIT PARTNER | DESCRIPTION | MATCH | FUND | FY18 (000) | FY19 (000) | FY20 (000) | FY21 (000) | FY22 (000) | FY23 (000) | FY24 (000) | FY25 (000) | FY26 (000) | FY27 (000) |
|---------|-------------------|--|-------|------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| TQ-6782 | Winston Salem MPO | FTA Section 5310 Winston- Salem allocation set aside for compete grant to eligible agencies to assist in meeting the transportation needs of low income, disabled and elderly populations. | FEPD | 5310 | 543 | 350 | 350 | 350 | 350 | 350 | 350 | 350 | | |
| | | | Local | L | 136 | 88 | 88 | 88 | 88 | 88 | 88 | 88 | | |
| TO-5204 | CARTS | Operating Assistance | 5307 | FUZ | | 240 | 240 | | | | | | | |
| | | | Local | L | | 240 | 240 | | | | | | | |
| | | | | | | | | | | | | | | |
| TO-5135 | City of Salisbury | Operating | FUZ | 5307 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 | 285 |
| | | | Local | L | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 |
| TG-5260 | City of Salisbury | Routine Capital – ADA Services | FUZ | 5307 | 63 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 | 70 |
| | | | Local | L | 16 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| TG-5232 | City of Salisbury | Preventive Maintenance – Bus Facilities | FUZ | 5307 | 334 | 334 | 334 | 334 | 334 | 334 | 334 | 334 | 334 | 334 |
| | | | Local | L | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 | 83 |

| | | | | | | | | | | | | | | |
|---------|------------------------|---|-------|------|------|------|------|------|------|------|------|-----|-----|-----|
| TG-5233 | City of Salisbury | Bus Stop Shelters, Benches, Shop Equipment, Spare Parts, Engines, Farebox, Service Vehicles, etc. | FUZ | 5307 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | 224 |
| | | | Local | L | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 | 56 |
| TP-5150 | City of Salisbury | Planning Assistance - 5303 | FMPL | 5303 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 | 30 |
| | | | Local | L | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| TA-5181 | City of Salisbury | Replacement Buses | FUZ | 5307 | 1464 | 1464 | 1464 | 1464 | 1464 | 1464 | 1464 | | | |
| | | | Local | L | 183 | 183 | 183 | 183 | 183 | 183 | 183 | | | |
| TO-5139 | City of Salisbury | Operating – Free Fare | FUZ | CMAQ | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 |
| | | | Local | L | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| TG-6179 | City of Salisbury | Software & Technology Equipment (scheduling, AVL, surveillance) | FBUS | 5339 | 224 | 224 | 224 | 224 | 224 | 224 | 224 | | | |
| | | | LOCAL | L | 56 | 56 | 56 | 56 | 56 | 56 | 56 | | | |
| TA-6673 | Charlotte Area Transit | Expansion Para Transit Vehicle | State | T | 11 | | | 250 | | | | | | |
| | | | Local | L | 13 | | | 2250 | | | | | | |

Item I-1A, 13 Projects, Total Federal Funds \$30,713,000

**NCDOT April 2018 Board of Transportation Agenda
Rail Program**

| Town/County Division | Project Description | Estimated Cost |
|--|---|---------------------------|
| Division 1 Pasquotank, Currituck and Camden Counties 80000.1.4.56 | The Rail Division requests board approval of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for the modernization of nine bridges and the replacement of cross ties to reinforce the railroad and improve bridge safety on the Chesapeake and Albemarle Railroad (CA). CA will be responsible for the construction of the project. The total estimated cost of the project is \$746,350. The total estimated cost to the Department is \$385,000. FRRCSI ID: F18112 | \$385,000 |
| Division 7 Alamance County 80000.2.2.7 Y-5500GC | The Rail Division requests board approval of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for the implementation of a traffic separation study in Mebane. The study includes upgrades to crossing number 735 464L (SR 1940 - Gibson Road), crossing number 735 468N (SR 1965 – Moore Road), crossing number 735 471W (4 th Street), crossing number 735 496V (SR 1962 – 3 rd Street), and crossing number 735 472D (NC 119 – 5 th Street). The Department will be responsible for the construction of the project. The total estimated cost to the Department is \$1,000,000. FRRCSI ID: F18203 | \$1,000,000 |
| Divisions 7,9,10 Guilford, Davidson, Rowan, Cabarrus, Mecklenburg, Gaston Counties 80000.2.3.87 | The Rail Division requests board approval of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for the replacement of antiquated gate controllers at twenty (20) four-quadrant-gated crossings for enhanced operations on the Norfolk Southern (NS) Main Line. NS will be responsible for the construction of the project. The total estimated cost to the Department is \$2,000,000. FRRCSI ID: F18220 | \$2,000,000 |

**NCDOT April 2018 Board of Transportation Agenda
Rail Program**

| | | |
|---|---|-------------|
| Division 10 Anson County 80000.2.1.19 Y-5500JD | The Rail Division requests board approval of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for the construction of an alternate access roadway and closure of the existing at-grade crossing at crossing number 631 747U (SR 1770 – Cowan Street) in Lilesville. The Department will be responsible for the construction not on the railroad right-of-way. CSXT will be responsible for the construction of the project within their operating right-of-way. CSXT will reimburse the Department \$4,000 towards the installation of barricades, signage, grading, and landscaping. The total estimated cost to the Department is \$3,150,000. FRRCSI ID: F18204 | \$3,150,000 |
| Division 12 Iredell County 80000.2.1.18 | The Rail Division requests board approval of Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for preliminary plan development for the closure of the at-grade crossing at crossing number 721 665L (milepost O 30.61 – Mazeppa Road) and future grade separated crossings in Mooresville. The Department will be responsible for the plan development. The total estimated cost to the Department is \$300,000. FRRCSI ID: F18202 | \$300,000 |

ITEM I-2 SUMMARY – 5 PROJECTS – \$6,835,000 (TOTAL FEDERAL AND STATE)

NCDOT April 2018 Board of Transportation Agenda
Division of Bicycle and Pedestrian Transportation

**Town/County
Division**

Project Description

**Estimated
Cost**

There will be no items presented for approval at the April 5, 2018 Board of Transportation meeting.

ITEM I-3 SUMMARY – NO PROJECTS

NCDOT April 2018 Board of Transportation Agenda Aviation Program

| Town/County Division | Project Description |
|--|--|
| Division 01 Northeastern Regional Airport, Chowan County | FUEL FARM AREA PAVING Rehabilitate the existing pavement adjacent to the new AVGAS and JET-A Fuel Systems. New pavement provides a safe surface for aircraft to taxi to the fueling location; existing pavement is in poor condition. State Aid project with local match provided via Funding Safety Enhancement Program [Project Request #3753] *Requesting Cash Flow of \$540,550 Fiscal Year 2019 Funds. |
| Division 01 Martin County Airport, Martin County | BEACON REPLACEMENT Replace outdated beacon to enhance safe operations in and around the airfield. State Aid project with local match provided via Funding Safety Enhancement Program. [Project Request #3718] *Requesting Cash Flow of \$95,000 Fiscal Year 2019 Funds. |
| Division 01 Elizabeth City CGAS Regional Airport, Pasquotank County | T-HANGAR TAXILANE DRAINAGE REHABILITATION Remove and replace failing 18" drainage pipe along existing t-hangar taxilanes and repair asphalt pavement along the full length to provide a consistent surface for aircraft to taxi. [Project Request #3653]] *Requesting Cash Flow of \$291,480 Fiscal Year 2019 Funds. |
| Division 02 Pitt Greenville Airport, Pitt County | RUNWAY 2-20 REHABILITATION (CONSTRUCTION) - AIP Supports Pitt-Greenville Airport's local funding against their Federal AIP grant (3-37-0028-45-2017) for the rehabilitation of their primary runway 2-20. This includes a grade correction and piping replacement on the airfield. [Project Request #3273] *Requesting Cash Flow of \$377,070 Fiscal Year 2019 Commercial Service Funds. |
| Division 03 Cape Fear Regional Jetport, Brunswick County | RUNWAY EXTENSION LAND ACQUISITION REIMBURSEMENT Brunswick County purchased property and easements, incurring costs including condemnation, professional services, and legal fees associated with the land acquisition for the Runway Extension between Dec 2009 and Oct 2012. These costs have not been reimbursed. |
| Division 04 Johnston County Airport, Johnston County | DRAINAGE REPAIR AND REHABILITATION Repair and rehabilitate deteriorated and undersized storm water drainage system in order to prevent flooding in the airfield. [Project Request #3884] *Requesting Cash Flow of \$556,200 Fiscal Year 2019 Funds. |
| Division 04 Rocky Mount Wilson Regional, Nash County | UNDERGROUND FUEL FARM CLOSURE AND REMOVAL Remove all existing 40 year old underground fuel tanks and Install a new 20,000 gallon above ground fuel tank. [Project Request #3889] *Requesting Cash Flow of \$304,920 Fiscal Year 2019 Funds. |

**NCDOT April 2018 Board of Transportation Agenda
Aviation Program**

| | |
|--|--|
| Division 05 Raleigh-Durham International Airport, Wake County | WEST RON APRON REHABILITATION (DESIGN) Design the West Remain Over Night (RON) Apron Rehabilitation. The Pavement Condition Index (PCI) is below 62. Project includes design for the removal of existing asphalt pavement and replacing with concrete and drainage improvements. [Project Request #3852] * Requesting Cash Flow of \$642,608 Fiscal Year 2019 Commercial Service Funds |
| Division 07 Burlington Alamance Regional Airport, Alamance County | RUNWAY EXTENSION AND LAND COSTS Final payment on 10 year reimbursement agreement. *Requesting Cash Flow of \$1,080,000 Fiscal Year 2019 Funds |
| Division 08 Richmond County Airport, Richmond County | CLEARING AND FENCE REPLACEMENT Clearing and Fence Replacement. This is a FAA Non-Primary Entitlement project with local match provided by Funding Safety Enhancement Program. BOT approval required for State provided local match portion only. [Project Request #3910] |

ITEM I-4 SUMMARY – 10 PROJECTS – (TOTAL STATE and FEDERAL COST) \$5,478,000

Commercial Service FY 19 Total Cash Flow requested: \$1,020,000
State Aid to Airports FY 19 Total Cash Flow requested: \$2,869,000

**Project selection and approval for award. Cost is estimated. Only eligible cost within the project scope of work will be reimbursed.

**NCDOT April 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

| Town/ County Division PROJ. CATEGORY | Project Description | Estimated Cost |
|---|--|---------------------------|
| Camden/ Currituck Cos. Div. 1 R-5717 DIVISION | WBS 50213.1.1 SR 1227 / SR 1208 (South Mills Road) / SR 1224 / SR 1223 (Old Swamp Road) from NC 343 in Camden County to NC 168 Bypass in Currituck County. \$956,427.00 has previously been approved for preliminary engineering. Additional funds are requested. | \$400,000.00 |
| Perquimans Co. Div. 1 R-5869 STATEWIDE | WBS 47894.1.1 US 17 from south of US 17 Business (Edenton Road) to north of SR 1220 (Wiggins Road). Initial funds are requested for preliminary engineering. | \$10,000.00 |
| Pitt Co. Div. 2 U-5953 REGIONAL | WBS 46894.1.1 NC 102 at Ayden Elementary School. \$100,000.00 has previously been approved for preliminary engineering. Fund need to be decreased (\$97,868.74). Project is deleted from the State Transportation Improvement Program. WBS will be closed. | -\$97,868.74 |
| Duplin Co. Div. 3 AV-5842 DIVISION | WBS 47195.3.1 Duplin County Airport (DPL). Widen runway and strengthen pavement to accommodate larger aircraft. \$3,950,000.00 has previously been approved for construction. Additional funds are requested. | \$1,200,000.00 |
| Duplin Co. Div. 3 B-5981 STATEWIDE | WBS 47747.1.1 US 117 northbound lane, replace bridge 16 over CSX railroad. \$10,000.00 has previously been approved for preliminary engineering. Additional funds are requested. | \$100,000.00 |

**NCDOT April 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

| Town/ County Division PROJ. CATEGORY | Project Description | Estimated Cost |
|--|--|---------------------------|
| New Hanover Co. Div. 3 AV-5713 STATEWIDE | WBS 46320.3.1 Wilmington International Airport (ILM). Pipe ditches in Fixed Base Operator #2 area. \$500,000.00 has previously been approved for construction. Additional funds are requested for internal staff review of locally administered project. | \$5,000.00 |
| Wilmington/ New Hanover Co. Div. 3 U-4751 STATEWIDE | WBS 40191.1.2 SR 1409 (Military Cutoff Road Extension) from SR 1409 (Military Cutoff Road) to US 17 in Wilmington. \$9,875,302.00 has previously been approved for preliminary engineering. Additional funds are requested for future construction revisions. This project has previously been identified as a Trust Fund Intrastate System project. | \$415,000.00 |
| New Hanover Co. Div. 3 U-4902B REGIONAL | WBS 40238.2.2 US 17 Business (Market Street) from the CSX railroad to Cinema Drive and from Jacksonville Street to north of US 117/NC 132 (College Road). Initial funds are requested for full right of way and utilities. | \$11,500,000.00 |
| Sampson Co. Div. 3 R-2303D STATEWIDE | WBS 34416.3.S2 NC 24 from SR 1303 (Mitchell Loop Road) to US 421 - 701/ SR 1296 (Sunset Avenue). \$55,194,551.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. This is a Strategic Transportation Investments Transition project. | \$445,000.00 |
| Sampson Co. Div. 3 R-2303E DIVISION | WBS 34416.2.8 NC 24 from US 421 - 701 / SR 1296 (Sunset Avenue) to SR 1935 (Cecil Odie Road). Initial funds are requested for full right of way and utilities. | \$8,000,000.00 |

**NCDOT April 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

| Town/ County Division PROJ. CATEGORY | Project Description | Estimated Cost |
|---|--|---------------------------|
| Johnston Co. Div. 4 U-5795 DIVISION | WBS 44366.3.1 SR 2302 (Ricks Road) from US 70 to US 301. Initial funds are requested for construction. | \$3,306,000.00 |
| Nash Co. Div. 4 AV-5845 DIVISION | WBS 47198.1.1 Rocky Mount Wilson Airport (RWI) Construct taxiway and Hangars. Initial funds are requested for preliminary engineering. | \$194,000.00 |
| Wayne Co. Div. 4 U-5724 REGIONAL | WBS 54016.1.2 US 13 (Berkeley Boulevard) - realignment of SR 1709 (Central Heights Road) at Berkeley Boulevard. \$600,000.00 has previously been approved for preliminary engineering. Additional funds are requested for railroad coordination charges, additional scope of design work, and additional surveying needs. | \$1,300,000.00 |
| Wake Co. Div. 5 B-5986 REGIONAL | WBS 47818.1.1 Replace bridge 34 over Norfolk Southern railroad in Wendell. \$10,000.00 has previously been approved for preliminary engineering. Additional funds are requested. | \$100,000.00 |
| Wake Co. Div. 5 B-5987 REGIONAL | WBS 47817.1.1 Replace bridges 115 & 117 over Norfolk Southern Railroad and an unnamed creek. \$10,000.00 has previously been approved for preliminary engineering. Additional funds are requested. | \$100,000.00 |

**NCDOT April 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

| Town/ County Division PROJ. CATEGORY | Project Description | Estimated Cost |
|---|--|---------------------------|
| Cumberland Co. Div. 6 U-5742 REGIONAL | WBS 50164.3.1 Fayetteville computerized traffic signal system. \$4,350,000.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. | \$665,000.00 |
| Cumberland Co. Div. 6 U-6073 DIVISION | WBS 47517.1.1 Fisher Road from Strickland Bridge Road to NC 162 (Bingham Drive). \$10,000.00 has previously been approved for preliminary engineering. Additional funds are requested. | \$2,000,000.00 |
| Cumberland Co. Div. 6 U-6097 DIVISION | WBS 47895.1.1 Extend SR 2217 (Clark West Road) to access proposed Cambell Soup Company. Initial funds are requested for preliminary engineering. | \$10,000.00 |
| Cumberland Co. Div. 6 W-5206AM(L) STATEWIDE | WBS 45336.3.42 NC 24/NC 87 from Barrington cross street to east of Martin Luther King westbound ramps; NC 24/ NC 210 (Rowan Street) between Ray Avenue and Ramsey Street. Initial funds are requested for landscaping. | \$28,817.00 |
| Cumberland Co. Div. 6 W-5514(L) STATEWIDE | WBS 44102.3.1 SR 1007 (Owen Drive) from Walter Reed Road to US 301/Business 95. Initial funds are requested for landscaping. | \$25,508.00 |

**NCDOT April 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

| Town/ County Division PROJ. CATEGORY | Project Description | Estimated Cost |
|---|--|---------------------------|
| Cumberland Co. Div. 6 W-5601AG(L) REGIONAL | WBS 50138.3.250 NC 53/NC 210 (Cedar Creek Road) from west of I-95 to east of I-95. Initial funds are requested for landscaping. | \$16,500.00 |
| Robeson Co. Div. 6 B-5985 REGIONAL | WBS 47749.1.1 NC 41 / NC 72 / SR 1600, replace bridges 125 and 175 over Lumber River. \$10,000.00 has previously been approved for preliminary engineering. Additional funds are requested. | \$100,000.00 |
| Pembroke/ Robeson Co. Div. 6 P-4900 STATEWIDE | WBS 41099.2.S1 Railroad Bypass of Pembroke to allow North to South shipments to turn East. \$2,808,496.00 has previously been approved for right of way. Additional funds are requested. This is a Strategic Transportation Investments Transition project. | \$245,842.40 |
| Greensboro/ Guilford Co. Div. 7 U-2525B STATEWIDE | WBS 34821.3.S6 Greensboro Eastern Loop from north of US 70 to US 29 north of Greensboro. \$139,008,603.00 has previously been approved for construction. Additional funds are needed to cover work for supplemental agreements. This is a Strategic Transportation Investments Transition project. | \$14,000,000.00 |
| Orange Co. Div. 7 R-5821B DIVISION | WBS 47093.2.3 NC 54 from SR 1006 (Orange Grove Road) to SR 1107 / SR 1937 (Old Fayetteville Road). Initial funds are requested for full right of way and utilities. | \$235,000.00 |

**NCDOT April 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

| Town/ County Division PROJ. CATEGORY | Project Description | Estimated Cost |
|---|---|---------------------------|
| Rockingham Co. Div. 7 R-2413CA STATEWIDE | WBS 34429.3.S9 US 220 / Future I-73 at NC 68. Convert at-grade intersection to interchange. \$15,620,000.00 has previously been approved for construction. Additional funds are requested to cover supplemental agreements. This is a Strategic Transportation Investments Transition project. | \$2,000,000.00 |
| Richmond Co. Div. 8 R-2501C DIVISION | WBS 34437.3.7 US 1 from north of SR 1606 (Fox Road) to south of SR 1001 (Marston Road). Initial funds are requested for construction. | \$17,800,000.00 |
| Davie Co. Div. 9 R-5728 REGIONAL | WBS 50220.3.1 US 601 at South Salisbury Street in Mocksville. Initial funds are requested for construction. | \$750,000.00 |
| Winston-Salem/ Forsyth Co. Div. 9 U-2579AB REGIONAL | WBS 34839.2.4 Winston-Salem Northern Beltway Eastern Section (Future I-74) from I-40 to I-40 Business / US 421. \$32,114,576.00 has previously been approved for appraisal and advanced acquisition of specific parcels. Additional funds are requested for advanced acquisition of Specific Parcel 924 (Property of Brian M. and Amber Idol) for \$195,000.00. This project has previously been identified as a Trust Fund Urban Loop project. | \$195,000.00 |
| Kernersville/ Forsyth Co. Div. 9 U-2800A STATEWIDE | WBS 34858.3.S4 Concrete pavement repairs. \$150,000.00 was previously approved for construction. Funds need to be decreased (\$149,839.18). Work was completed under parent project. WBS will be closed. | -\$149,839.18 |

**NCDOT April 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

| Town/ County Division PROJ. CATEGORY | Project Description | Estimated Cost |
|--|--|---------------------------|
| Mecklenburg Co. Div. 10 B-5983 REGIONAL | WBS 47815.1.1 Replace bridge 54 over Southern Railroad on NC 160. \$10,000.00 has previously been approved for preliminary engineering. Additional funds are requested. | \$100,000.00 |
| Mecklenburg Co. Div. 10 B-5984 REGIONAL | WBS 47816.1.1 Replace bridge 88 over Southern Railroad on NC 49. \$10,000.00 has previously been approved for preliminary engineering. Additional funds are requested. | \$100,000.00 |
| Mecklenburg Co. Div. 10 B-5990 DIVISION | WBS 47819.1.1 Replace bridge 1 over Sugar Creek on SR 1138. \$10,000.00 has previously been approved for preliminary engineering. Additional funds are requested. | \$100,000.00 |
| Mecklenburg Co. Div. 10 I-5718 STATEWIDE | WBS 49020.1.1 I-77 from I-485 (Exit 1) to I-277 / NC 16 (Brookshire Freeway) Exit 11. Initial funds are requested for preliminary engineering. | \$5,000,000.00 |
| Huntersville/ Mecklenburg Co. Div. 10 U-5114 REGIONAL | WBS 42376.2.1 Intersection of US 21 and Gilead Road. Construct intersection improvements, including bicycle and pedestrian accommodations. \$3,350,000.00 has previously been approved for right of way. Additional funds are requested for property costs. This is a Strategic Transportation Investments Transition project. | \$2,200,000.00 |

**NCDOT April 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

| Town/ County Division PROJ. CATEGORY | Project Description | Estimated Cost |
|--|---|---------------------------|
| Union Co. Div. 10 U-5723 STATEWIDE | WBS 46300.1.S1 Existing US 74/601 interchange. \$365,512.00 has previously been approved for preliminary engineering. Additional funds are requested for design work. | \$650,000.00 |
| Mecklenburg/ Iredell Cos. Divs. 10/12 I-5992 STATEWIDE | WBS 47699.3.1 I-77 from Mile Marker 11 to Mile Marker 20 and Mile Marker 24.5 to Mile Marker 37. Initial funds are requested for construction. | \$11,600,000.00 |
| Caldwell/ Watauga Cos. Div. 11 R-2237C STATEWIDE | WBS 34402.3.7 US 321 from SR 1500 (Blackberry Road) to US 221 at Blowing Rock. \$82,256,360.00 has previously been approved for construction. Additional funds are requested for supplemental agreements. This project has previously been identified as a Trust Fund Intrastate System project. This is a Strategic Transportation Investments transition project. | \$8,700,000.00 |
| Wilkes Co. Div. 11 R-0616 DIVISION | WBS 34349.1.2 New route - Wilkesboro and North Wilkesboro Bypass from NC 18 to US 421. \$10,000.00 has previously been approved for preliminary engineering. Additional funds are requested. | \$1,000,000.00 |
| Cleveland Co. Div. 12 U-5775 REGIONAL | WBS 50186.1.1 US 74 Business (Marion St.) and NC 150 (Cherryville Road) intersection. \$247,787.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. | \$240,000.00 |

**NCDOT April 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

| Town/ County Division PROJ. CATEGORY | Project Description | Estimated Cost |
|---|--|---------------------------|
| Buncombe Co. Div. 13 B-5992 DIVISION | WBS 47846.1.1 Replace bridge 7 over French Broad River and Southern Railroad on SR 1620. \$10,000.00 has previously been approved for preliminary engineering. Additional funds are requested. | \$100,000.00 |
| Burke Co. Div. 13 U-5836 REGIONAL/ DIVISION | WBS 50228.1.1 NC 181 from SR 1414 (St. Mary's Church Road) to Morganton Extra Territorial Jurisdiction. \$320,000.00 has previously been approved for preliminary engineering. Additional funds are requested. | \$600,000.00 |
| Madison Co. Div. 13 B-5989 DIVISION | WBS 47845.1.1 Replace bridge 71 over Big Laurel Creek on SR 1395. \$10,000.00 has previously been approved for preliminary engineering. Additional funds are requested. | \$100,000.00 |
| Cherokee Co. Div. 14 R-5735 DIVISION | WBS 50193.3.1 US 19 / US 74 / US 64 / US 129 from the end of 4-lane divided section to SR 1556 (Martins Creek Road). Initial funds are requested in advance of construction for traffic signal work. | \$200,000.00 |
| Cherokee Co. Div. 14 R-5735 DIVISION | WBS 50193.1.1 US 19 / US 74 / US 64 / US 129 from the end of 4-lane divided section to SR 1556 (Martins Creek Road). \$878,393.00 has previously been approved for preliminary engineering. Additional funds are requested. | \$800,000.00 |

**NCDOT April 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

| Town/ County Division PROJ. CATEGORY | Project Description | Estimated Cost |
|---|---|---------------------------|
| Haywood Co. Div. 14 B-5982 STATEWIDE | WBS 47814.1.1 Replace bridge 95 over Southern Railroad on US 74. \$10,000.00 has previously been approved for preliminary engineering. Additional funds are requested. | \$100,000.00 |
| Haywood Co. Div. 14 U-5888 DIVISION | WBS 44625.2.1 Intersection of US 23 Business (North Main Street) and Walnut Street. Initial funds are requested for full right of way. | \$950,000.00 |
| Jackson Co. Div. 14 R-5000 DIVISION | WBS 41156.3.1 New location connector from NC 116 to NC 107 in Webster. \$18,829,043.00 has previously been approved for construction. Additional funds are requested. This project has previously been identified as a Trust Fund Specific State Funds for Construction project. | \$300,000.00 |
| Polk Co. Div. 14 R-5838 DIVISION | WBS 47108.1.1 NC 108 from I-26 to US 176. Widen roadway. \$285,000.00 has previously been approved for preliminary engineering. Additional funds are requested. | \$1,300,000.00 |
| Polk Co. Div. 14 R-5867 DIVISION | WBS 47847.3.1 Construct two bridges on US 74 from the northwest quadrant of Exit 270 to John Shehan Road. Initial funds are requested for construction. This is a Cash Flow project with \$950,000.00 in SFY 18 and \$1,775,000.00 in SFY 19 and SFY 20. This is an Economic Development project. | \$4,500,000.00 |

**NCDOT April 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

| Town/ County Division PROJ. CATEGORY | Project Description | Estimated Cost |
|---|---|---------------------------|
| Swain Co. Div. 14 R-5843 DIVISION | WBS 47085.1.1 SR 1321 (Bryson Walk), SR 1336 (Depot Street) from SR 1323 (Slope Street) to SR 1336 (Deep Creek Road). Improve intersection. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are requested. | \$500,000.00 |
| Statewide M-0194 STATEWIDE | WBS 34263.1.1 Feasibility Studies by Division of Planning and Programming. \$33,300,381.00 has previously been approved for feasibility studies. Additional funds are requested. This project has previously been identified as a Trust Fund Specific State Funds for Construction project. | \$10,000,000.00 |
| Statewide M-0219 STATEWIDE | WBS 35511 Statewide - Aerial Photography for projects which cannot be forecasted or for which there is an urgent need. \$3,057,926.00 has previously been approved for preliminary engineering. Additional funds are requested for replacement of aerial camera system purchase. This project has previously been identified as a Trust Fund Specific State Funds for Construction project. | \$1,000,000.00 |
| Statewide P-5602P STATEWIDE | WBS 46393.1.16 Rail fleet replacement strategy study. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are requested. | \$500,000.00 |
| Statewide R-9999WM STATEWIDE | WBS 34634.4.5 Mitigation for French Broad 0105. Initial funds are requested to purchase private mitigation bank credits. | \$10,000,000.00 |

**NCDOT April 2018 Board of Transportation Agenda
Approval of Strategic Transportation Investments Funds**

| Town/ County Division PROJ. CATEGORY | Project Description | Estimated Cost |
|---|---|---------------------------|
| Cabarrus/ Rowan Cos. Divs. 9/10 U-5614 DIVISION | WBS 50243.1.1 Cabarrus - Rowan Metropolitan Planning Organization. \$10,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$10,000.00). Funds are not needed at this time. WBS will remain open. | -\$10,000.00 |
| STATEWIDE STRATEGIC TRANSPORTATION INVESTMENTS | 20 PROJECTS | \$64,675,328.22 |
| REGIONAL STRATEGIC TRANSPORTATION INVESTMENTS | 14 PROJECTS | \$17,268,631.26 |
| DIVISION STRATEGIC TRANSPORTATION INVESTMENTS | 21 PROJECTS | \$42,985,000.00 |
| REGIONAL / DIVISION STRATEGIC TRANSPORTATION INVESTMENTS | 1 PROJECT | \$600,000.00 |
| STRATEGIC TRANSPORTATION INVESTMENTS | 56 PROJECTS | \$125,528,959.48 |

**NCDOT April 2018 Board of Transportation Agenda
Approval of Funds for Specific Spot Safety Improvement Projects
And for Specific Spot Mobility Projects**

L-1

**According to Executive Order No. 2 and G.S. 143B-350(g) the Board is requested to
concur with staff recommendations and delegate authority to the Secretary to approve
Funds for Specific Spot Safety And Spot Mobility Improvement Projects**

| Town/ County Division PROJ. CATEGORY | Project Description | Estimated Cost |
|---|---|---------------------------|
| Division 5 Div. 5 SM-5705N | WBS 47902.3.1 Division 5. Initial Spot Mobility construction funds are needed to provide reimbursements for road improvements adjacent to schools per 136-18(29a). File 05-18-001C | \$1,200,000.00 |
| Cary/ Wake Co. Div. 5 SM-5705M | WBS 47900.3.1 NC 54 (Chapel Hill Road) at SR 3073 (Maynard Road). Initial Spot Mobility construction funds are needed for turn lane construction. File 05-18-51360C | \$184,000.00 |
| Cary/ Wake Co. Div. 5 SM-5705M | WBS 47900.1.1 NC 54 (Chapel Hill Road) at SR 3073 (Maynard Road). Initial Spot Mobility preliminary engineering funds are needed for turn lane construction. File 05-18-51360P | \$16,000.00 |
| Wake Co. Div. 5 SS-4905EI | WBS 46954.3.1 NC 540 West approaching NC 54. \$45,000.00 has previously been approved to provide advance notice of Exit Only condition. Additional funds are needed due to an increase in construction costs. File 05-16-3663-1 | \$45,000.00 |
| Alamance Co. Div. 7 SM-5707B | WBS 47903.2.1 SR 1007 (Mebane Oaks Road) at SR 2126/SR 2128 (Old Hillsborough Road) south of Mebane. Initial Spot Mobility right of way and utilities funds are needed for turn lane construction. File 07-18-396R | \$300,000.00 |

April 5, 2018

**NCDOT April 2018 Board of Transportation Agenda
Approval of Funds for Specific Spot Safety Improvement Projects
And for Specific Spot Mobility Projects**

L-2

**According to Executive Order No. 2 and G.S. 143B-350(g) the Board is requested to
concur with staff recommendations and delegate authority to the Secretary to approve
Funds for Specific Spot Safety And Spot Mobility Improvement Projects**

| Town/ County Division PROJ. CATEGORY | Project Description | Estimated Cost |
|---|---|---------------------------|
| Rowan Co. Div. 9 SM-5709D | WBS 47904.3.1 NC 152 at SR 1002 (Old Concord Road) east of China Grove. Initial Spot Mobility construction funds are needed for turn lane construction. File 09-18-221C | \$425,000.00 |
| Rowan Co. Div. 9 SM-5709D | WBS 47904.1.1 NC 152 at SR 1002 (Old Concord Road) east of China Grove. Initial Spot Mobility preliminary engineering funds are needed for turn lane construction. File 09-18-221P | \$35,000.00 |
| Rowan Co. Div. 9 SM-5709D | WBS 47904.2.1 NC 152 at SR 1002 (Old Concord Road) east of China Grove. Initial Spot Mobility right of way and utilities funds are needed for turn lane construction. File 09-18-221R | \$150,000.00 |
| Charlotte/ Mecklenburg Co. Div. 10 SS-4910DA | WBS 47680.3.1 I-77 SB Ramp and LaSalle Street and I-77 SB Ramp and 5th Street. \$142,650.00 has previously been approved for traffic signal installation. Additional funds are needed due to an increase in construction costs. File 10-16-231-1 | \$71,350.00 |
| Wesley Chapel/ Union Co. Div. 10 SM-5710E | WBS 47905.3.1 SR 1346 (Potter Road) and SR 1162 (Wesley Chapel Road) in Wesley Chapel. Initial Spot Mobility construction funds are needed for roundabout installation. File 10-17-211C | \$210,000.00 |

April 5, 2018

**NCDOT April 2018 Board of Transportation Agenda
Approval of Funds for Specific Spot Safety Improvement Projects
And for Specific Spot Mobility Projects**

L-3

**According to Executive Order No. 2 and G.S. 143B-350(g) the Board is requested to
concur with staff recommendations and delegate authority to the Secretary to approve
Funds for Specific Spot Safety And Spot Mobility Improvement Projects**

| Town/ County Division PROJ. CATEGORY | Project Description | Estimated Cost |
|---|---|---------------------------|
| Wesley Chapel/ Union Co, Div. 10 SM-5710E | WBS 47905.1.1 SR 1346 (Potter Road) and SR 1162 (Wesley Chapel Road) in Wesley Chapel. Initial Spot Mobility preliminary engineering funds are needed for roundabout installation. File 10-17-211P | \$32,000.00 |
| Wesley Chapel/ Union Co, Div. 10 SM-5710E | WBS 47905.2.1 SR 1346 (Potter Road) and SR 1162 (Wesley Chapel Road) in Wesley Chapel. Initial Spot Mobility right of way and utilities funds are needed for roundabout installation. File 10-17-211R | \$20,000.00 |
| Wesley Chapel/ Union Co. Div. 10 SM-5710F | WBS 47906.2.1 NC 84 and SR 1162 (Potter Road)/SR 1377 (Wesley Chapel Road) in Wesley Chapel. Initial Spot Mobility right of way and utilities funds are needed for turn lane construction. File 10-17-223R | \$125,000.00 |
| Wesley Chapel/ Union Co. Div. 10 SM-5710F | WBS 47906.1.1 NC 84 and SR 1162 (Potter Road)/SR 1377 (Wesley Chapel Road) in Wesley Chapel. Initial Spot Mobility preliminary engineering funds are needed for turn lane construction. File 10-17-223P | \$50,000.00 |
| Wesley Chapel/ Union Co. Div. 10 SM-5710F | WBS 47906.3.1 NC 84 and SR 1162 (Potter Road)/SR 1377 (Wesley Chapel Road) in Wesley Chapel. Initial Spot Mobility construction funds are needed for turn lane construction. File 10-17-223C | \$575,000.00 |

April 5, 2018

**NCDOT April 2018 Board of Transportation Agenda
Approval of Funds for Specific Spot Safety Improvement Projects
And for Specific Spot Mobility Projects**

L-4

**According to Executive Order No. 2 and G.S. 143B-350(g) the Board is requested to
concur with staff recommendations and delegate authority to the Secretary to approve
Funds for Specific Spot Safety And Spot Mobility Improvement Projects**

| Town/ County Division PROJ. CATEGORY | Project Description | Estimated Cost |
|---|---|---------------------------|
| Monroe/ Union Co. Div. 10 SM-5710G | WBS 47907.3.1 US 74 and NC 200 in Monroe. Initial Spot Mobility construction funds are needed for turn lane construction. File 10-17-277C | \$250,000.00 |
| Monroe/ Union Co. Div. 10 SM-5710G | WBS 47907.1.1 US 74 and NC 200 in Monroe. Initial Spot Mobility preliminary engineering funds are needed for turn lane construction. File 10-17-277P | \$25,000.00 |
| Monroe/ Union Co. Div. 10 SM-5710G | WBS 47907.2.1 US 74 and NC 200 in Monroe. Initial Spot Mobility right of way and utilities funds are needed for turn lane construction. File 10-17-277R | \$100,000.00 |
| Wesley Chapel/ Union Co. Div. 10 SS-4910CC | WBS 44720.3.1 SR 1315 (New Town Road) at SR 1321 (Cuthbertson Road) in Wesley Chapel; SR 1315 (New Town Road) at SR 1329 (Billy Howie Road) in Wesley Chapel; and SR 1315 (New Town Road) at SR 1162 (Potter Road) near Wesley Chapel. \$8,100.00 has previously been approved for turn lane construction, signal revisions, and all way stop installations. Additional funds are needed due to an increase in construction costs. File 10-15-237-1 | \$142,000.00 |
| Gastonia/ Gaston Co. Div. 12 SM-5712B | WBS 47909.1.1 SR 2439 (Lowell Bethesda Road) at SR 2209 (Cramerton Road). Initial Spot Mobility preliminary engineering funds are needed for turn lane construction. File 12-18-209P | \$80,000.00 |

April 5, 2018

**NCDOT April 2018 Board of Transportation Agenda
Approval of Funds for Specific Spot Safety Improvement Projects
And for Specific Spot Mobility Projects**

L-5

**According to Executive Order No. 2 and G.S. 143B-350(g) the Board is requested to
concur with staff recommendations and delegate authority to the Secretary to approve
Funds for Specific Spot Safety And Spot Mobility Improvement Projects**

| Town/ County Division PROJ. CATEGORY | Project Description | Estimated Cost |
|---|---|---------------------------|
| Gastonia/ Gaston Co. Div. 12 SM-5712B | WBS 47909.2.1 SR 2439 (Lowell Bethesda Road) at SR 2209 (Cramerton Road). Initial Spot Mobility right of way and utilities funds are needed for turn lane construction. File 12-18-209R | \$180,000.00 |
| Gastonia/ Gaston Co. Div. 12 SM-5712B | WBS 47909.3.1 SR 2439 (Lowell Bethesda Road) at SR 2209 (Cramerton Road). Initial Spot Mobility construction funds are needed for turn lane construction. File 12-18-209C | \$490,000.00 |
| Iredell Co. Div. 12 SM-5712A | WBS 47908.2.1 US 21 at SR 1001 (Oswalt Amity Road)/SR 1410 (Barkdale Road). Initial Spot Mobility right of way and utilities funds are needed for traffic signal installation. File 12-18-208R | \$5,000.00 |
| Iredell Co. Div. 12 SM-5712A | WBS 47908.3.1 US 21 at SR 1001 (Oswalt Amity Road)/SR 1410 (Barkdale Road). Initial Spot Mobility construction funds are needed for traffic signal installation. File 12-18-208C | \$35,000.00 |
| Asheville/ Buncombe Co. Div. 13 SM-5713E | WBS 47910.1.1 I-240 EB ramps at US 70-Charlotte Street. Initial Spot Mobility preliminary engineering funds are needed for turn lane construction and traffic signal revisions. File 13-18-205P | \$100,000.00 |

April 5, 2018

**NCDOT April 2018 Board of Transportation Agenda
Approval of Funds for Specific Spot Safety Improvement Projects
And for Specific Spot Mobility Projects**

L-6

**According to Executive Order No. 2 and G.S. 143B-350(g) the Board is requested to
concur with staff recommendations and delegate authority to the Secretary to approve
Funds for Specific Spot Safety And Spot Mobility Improvement Projects**

| Town/ County Division PROJ. CATEGORY | Project Description | Estimated Cost |
|---|--|---------------------------|
| Asheville/ Buncombe Co. Div. 13 SM-5713E | WBS 47910.2.1 I-240 EB ramps at US 70-Charlotte Street. Initial Spot Mobility right of way and utilities funds are needed for turn lane construction and traffic signal revisions. File 13-18-205R | \$64,000.00 |
| Asheville/ Buncombe Co. Div. 13 SM-5713E | WBS 47910.3.1 I-240 EB ramps at US 70-Charlotte Street. Initial Spot Mobility construction funds are needed for turn lane construction and traffic signal revisions. File 13-18-205C | \$546,000.00 |
| Statewide SM-5715A | WBS 47911.1.1 Initial Spot Mobility preliminary engineering funds are needed for traffic signal retiming at various locations statewide. File SW-18-001P | \$2,495,000.00 |
| Statewide SM-5715B | WBS 47912.1.1 Initial Spot Mobility preliminary engineering funds are needed for school traffic analysis for new, relocated, and expanding schools. File SW-18-002P | \$300,000.00 |
| Statewide SM-5715C | WBS 47913.1.1 Initial Spot Mobility preliminary engineering funds are needed for congestion network screening that will review travel time data statewide to find problem locations that have correctable conditions within the funding range. File SW-18-003P | \$500,000.00 |
| ITEM L SUMMARY | 30 PROJECTS | \$8,750,350.00 |

April 5, 2018

**NCDOT April 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 2

Safety

| Town/ County/PROJ CATEGORY | Project Description | Estimated Cost | |
|---|--|---|-----------------------|
| Pamlico Co. W-5702C DIVISION | 44848.2.3, HSIP-1005(043) SR 1005 (Neuse Road) between 0.9 mile west of SR 1108 (Scotts Store Road) and 0.3 mile east of SR 1100 (Scott Town Road). Funds are needed for full right of way and utilities. | \$162,000.00 \$145,800.00 \$16,200.00 | Cost Fed. State |
| Pitt Co. SR-5001CA DIVISION | 40924.3.77, SRS-0220(074) Safe Routes to School-Memorial Drive, Norris Street, and Skinner Street serving Eastern Elementary and Wahl-Coates Elementary Schools and Saint Peters Catholic School. Funds are needed for construction for pedestrian access, crossing improvements and sidewalk improvements. | \$503,000.00 \$503,000.00 | Cost Fed. |

Division 3

National Highway

| Town/ County/PROJ CATEGORY | Project Description | Estimated Cost | |
|---|---|--|-----------------------|
| Brunswick Co. R-2633D STATEWIDE | 34491.3.23, NHP-0040(058) Intelligent Transportation Systems (ITS) for I-140 (Wilmington Bypass). Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published February 15, 2018. | \$2,700,000.00 \$2,160,000.00 \$540,000.00 | Cost Fed. State |

Safety

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|---------------------------------------|--|---|-----------------------|
| Brunswick Co. W-5703H STATEWIDE | 44849.1.8, HSIP-0017(169) US 17 (Ocean Highway) and SR 1303 (Hickman Road) and SW Middleton Avenue and US 17. Funds are needed for preliminary engineering. | \$352,000.00 \$316,800.00 \$35,200.00 | Cost Fed. State |
|---------------------------------------|--|---|-----------------------|

**NCDOT April 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 4

Safety

| Town/ County/PROJ CATEGORY | Project Description | Estimated Cost | |
|---|--|--|-----------------------|
| Johnston Co. W-5601DP DIVISION | 50138.1.121, HSIP-1003(146) SR 1003 (Buffalo Road) between SR 1702 (Archer Lodge Road) and the Wake County Line(portion of section is within Archer Lodge Town limits, remainder in Johnston County). \$20,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested. | \$60,000.00 \$54,000.00 \$6,000.00 | Cost Fed. State |

**NCDOT April 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 5

National Highway

| Town/ County/PROJ CATEGORY | Project Description | Estimated Cost |
|---|---|--|
| Durham Co. U-5516 REGIONAL | 43610.1.1, NHPP-0501(030) US 501 (Roxboro Road) to SR 1448 (Latta Road)/SR 1639 (Infinity Road). \$110,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested. | \$800,000.00 Cost \$640,000.00 Fed. \$160,000.00 State |

Congestion Mitigation

| | | |
|-----------------------------------|---|---|
| Granville Co. C-5569 EXEMPT | 50106.3.1, CMS-0519(002) Construct sidewalk and crosswalk enhancements at various locations. \$199,500.00 has previously been approved for construction. Additional funds are needed for sidewalk and crosswalk improvements. | \$76,250.00 Cost \$61,000.00 Fed. \$15,250.00 Local |
| Wake Co. C-5604RA EXEMPT | 43714.1.13, CMAQ-0508(009) Timber Drive sidewalk, approximately 0.75 miles of new sidewalk. Funds are needed for preliminary engineering. | \$62,400.00 Cost \$49,920.00 Fed. \$12,480.00 Local |

Urban

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|----------------------------------|--|--|
| Wake Co. U-5118AE REGIONAL | 42379.3.30, STPDA-0501(035) NC 55 and Olive Chapel Road at Apex Peakway Intersections. \$412,800.00 has previously been approved for construction. Additional funds are needed for additional turn lanes. | \$605,000.00 Cost \$302,500.00 Fed. \$302,500.00 Local |
|----------------------------------|--|--|

**NCDOT April 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 5 (Continued)

Urban

| Town/ County/PROJ CATEGORY | Project Description | Estimated Cost | |
|---|--|--|-----------------------|
| Wake Co. U-5530NA DIVISION | 44111.3.10, TAPDA-0517(012) Research Triangle Park (RTP) / Morrisville Davis Drive Trail- Research Triangle Foundation (RTF). \$990,000.00 has previously been approved for construction. Additional funds are needed for construction for a multi-use trail. | \$680,000.00 \$340,000.00 \$340,000.00 | Cost Fed. Local |

Safety

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|-----------------------------------|--|---|-----------------------|
| Durham Co. W-5705K DIVISION | 44851.3.12, HSIP-1327(006) SR 1327 (Gregson Street) at Lamond Avenue and SR 1445 (Duke Street) at West Corporation Street. Funds are needed for construction for intersection improvements. | \$65,000.00 \$58,500.00 \$6,500.00 | Cost Fed. State |
| Wake Co. W-5601EW REGIONAL | 50138.3.154, HSIP-0050(017) NC 50 (Benson Road) at SR 3718 (Turner Farm Road / Wakefield Lane). Funds are needed for construction for widening of turn lanes. | \$325,000.00 \$292,500.00 \$32,500.00 | Cost Fed. State |
| Wake Co. W-5705F DIVISION | 44851.3.6, HSIP-1152(014) SR 1152 (Holly Springs Road) curve in vicinity of SR 3917 (Southbriar Drive). Funds are needed for construction to improve traffic operations at a intersection. | \$380,000.00 \$342,000.00 \$38,000.00 | Cost Fed. State |

**NCDOT April 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 5 (Continued)

Safety

| Town/ County/PROJ CATEGORY | Project Description | Estimated Cost | |
|---|---|---------------------------|-------|
| Wake Co. | 44851.1.9, HSIP-2509(002) | \$25,000.00 | Cost |
| W-5705H | SR 2509 (Mial Plantation Road) at SR 2506 (Major Slade | \$22,500.00 | Fed. |
| DIVISION | Road). \$150,000.00 has previously been approved for preliminary engineering. Additional funds are needed due to public meeting comments/suggestions. | \$2,500.00 | State |

**NCDOT April 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 6

Interstate

| Town/ County/PROJ CATEGORY | Project Description | Estimated Cost | |
|---|---|--|-----------------------|
| Harnett Co. I-5883 DIVISION | 53083.2.2, NHPP-0095(033)74 I-95 at SR 1808 (Jonesboro Road) (Exit 75) and SR 1709 (Hodges Chapel Road) (Exit 77). Funds are needed for full right of way and utilities. | \$8,225,000.00 \$6,580,000.00 \$1,645,000.00 | Cost Fed. State |

National Highway

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|-----------------------------------|--|---|-----------------------|
| Harnett Co. I-5878 DIVISION | 53078.2.1, NHP-0095(017) I-95 at US 421 (Exit 73) and SR 1793 (Pope Road) (Exit 72). Funds are needed for full right of way and utilities. | \$10,750,000.00 \$8,600,000.00 \$2,150,000.00 | Cost Fed. State |
|-----------------------------------|--|---|-----------------------|

Congestion Mitigation

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|--|--|---|-----------------------|
| Cumberland Co. ER-5600FI DIVISION | 46305.3.6, STBG-0620(048) Landscape Enhancement along NC 295 at Patriot Park in Cumberland County. Funds are needed for construction for Landscaping. | \$178,800.00 \$143,080.00 \$35,720.00 | Cost Fed. State |
|--|--|---|-----------------------|

Urban

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|---|--|--|-----------------------|
| Cumberland Co. U-4403 REGIONAL | 39047.1.1, NHP-0401(276) US 401 (Ramsey Street), US 401 Business to I-295. \$700,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested. | \$2,300,000.00 \$1,840,000.00 \$460,000.00 | Cost Fed. State |
|---|--|--|-----------------------|

**NCDOT April 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 6 (Continued)

Safety

| Town/ County/PROJ CATEGORY | Project Description | Estimated Cost | |
|--|--|--|-----------------------|
| Columbus Co. W-5706I REGIONAL | 44852.1.9, HSIP-0087(041) NC 87 at SR 1808 (Woodyard). Funds are needed for preliminary engineering. | \$150,000.00 \$135,000.00 \$15,000.00 | Cost Fed. State |
| Columbus Co. W-5706J REGIONAL | 44852.1.10, HSIP-0410(004) NC 410 (Joe Brown Highway) at SR 1002 (Old Lumberton Road) and at SR 1003 (Silverspoon Road) and SR 1002 at SR 1003. Funds are needed for preliminary engineering. | \$175,000.00 \$157,500.00 \$17,500.00 | Cost Fed. State |
| Cumberland Co. W-5601CD REGIONAL | 50138.3.83, HSIP-0095(019) I-95 Business / US 301 (Eastern Boulevard) from Brock Street to SR 1006 (Person Street). Funds are needed to construct median leftovers. | \$1,585,000.00 \$1,426,500.00 \$158,500.00 | Cost Fed. State |
| Cumberland Co. W-5601FCB DIVISION | 50138.3.251, HSIP-1657(004) SR 1657 (Nowell Road) at SR 5808 (Hillsborough Street). Funds are needed for construction to install traffic signal with railroad (RR) Preemption. | \$375,000.00 \$337,500.00 \$37,500.00 | Cost Fed. State |

**NCDOT April 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 6 (Continued)

Safety

| Town/ County/PROJ CATEGORY | Project Description | Estimated Cost | |
|---|--|---|-----------------------|
| Cumberland Co. W-5706E REGIONAL | 44852.2.5, HSIP-0211(040) NC 211 at SR 1529 (Mount Olive Church Road). Funds are needed for full right of way and utilities. | \$30,000.00 \$27,000.00 \$3,000.00 | Cost Fed. State |
| Cumberland Co. W-5706G REGIONAL | 44852.1.7, HSIP-0059(009) NC 59 (Hope Mills Road) from NC 162 (George Owen Drive) to SR 1003 (Camden Road). Funds are needed for preliminary engineering. | \$230,000.00 \$207,000.00 \$23,000.00 | Cost Fed. State |
| Robeson Co. W-5706H REGIONAL | 44852.1.8, HSIP-0301(043) US 301 at SR 1723 (Parkton Tobermory Road). Funds are needed for preliminary engineering. | \$100,000.00 \$90,000.00 \$10,000.00 | Cost Fed. State |

**NCDOT April 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 7

Urban

| Town/ County/PROJ CATEGORY | Project Description | Estimated Cost | |
|---|--|---|-----------------------|
| Guilford Co. EB-5877 DIVISION | 47272.1.1, TAP-4021(001) Farmington Drive from Wintergarden Lane to SR 4021 (West Gate City Boulevard) in Greensboro. Funds are needed for preliminary engineering. | \$86,039.00 \$68,831.00 \$17,208.00 | Cost Fed. Local |
| Guilford Co. U-5532A DIVISION | 46297.2.2, TAP-0708(069) Aycock Street and Walker Avenue Pedestrian Improvement Project. Funds are needed for full right of way and utilities. | \$21,000.00 \$16,800.00 \$4,200.00 | Cost Fed. Local |

Bridge

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|--------------------------------------|---|--|-----------------------|
| Rockingham Co. B-5721 DIVISION | 45677.1.1, BRZ-2177(001) Replace Bridge #124 over the Mayo River on SR 2177(Dan Valley Road). \$100,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested. | \$100,000.00 \$80,000.00 \$20,000.00 | Cost Fed. State |
|--------------------------------------|---|--|-----------------------|

Safety

| | | | |
|------------------------------------|---|--|-----------------------|
| Caswell Co. W-5707H REGIONAL | 44853.1.8, HSIP-0087(040) NC 87 at AR 1144 (Browns Chapel Road) at SR 1142 (Brown Road). Funds are needed for preliminary engineering. | \$80,000.00 \$72,000.00 \$8,000.00 | Cost Fed. State |
|------------------------------------|---|--|-----------------------|

**NCDOT April 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 7 (Continued)

Rural

| Town/ County/PROJ CATEGORY | Project Description | Estimated Cost | |
|---|---|---------------------------|-------|
| Guilford Co. | 34483.3.4, CMNHF-0421(096) | \$67,648.00 | Cost |
| R-2612B(L) | US 421 at SR 3418 (Neelley Road) south of Greensboro. | \$54,118.00 | Fed. |
| EXEMPT | Funds are needed for construction for Landscaping. | \$13,530.00 | State |

**NCDOT April 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 8

Safety

| Town/ County/PROJ CATEGORY | Project Description | Estimated Cost | |
|---|---|---|-----------------------|
| Lee Co. W-5708H STATEWIDE | 44854.3.8, HSIP-0001(153) US 1 / US 15 / US 501 from SR 1333 (Westover Road) to US 421 Business. Funds are needed for construction for guardrail revisions. | \$720,000.00 \$648,000.00 \$72,000.00 | Cost Fed. State |
| Moore Co. W-5708B REGIONAL | 44854.1.2, HSIP-0002(100) NC 2 (Midland Road) at US 1 and NC 2 (Midland Road) at NC 22 (Central Drive). \$95,000.00 has previously been approved for preliminary engineering. Additional funds are needed for additional water and utility line relocation plans and preparation of traffic control plans. | \$32,000.00 \$28,800.00 \$3,200.00 | Cost Fed. State |

Bicycle and Pedestrian

| | | | |
|------------------------------------|---|--|-----------------------|
| Chatham Co. EB-5734 DIVISION | 51057.1.1, TAP-0839(009) SR 2013 (East Raleigh Street) from South 6th Avenue to US 64 east (East 11th Street). Funds are needed for preliminary engineering. | \$39,000.00 \$31,200.00 \$7,800.00 | Cost Fed. Local |
|------------------------------------|---|--|-----------------------|

**NCDOT April 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 9

Safety

| Town/ County/PROJ CATEGORY | Project Description | Estimated Cost |
|---|--|--|
| Divisionwide W-5601II STATEWIDE | 50138.3.244, HSIP-000S(891) Install Severe Duty Impact Attenuator on multiple routes in Division 9. \$115,600.00 has previously been approved for construction. Funds need to be reduced; Project is to be State Funded. | -\$115,600.00 Cost -\$104,040.00 Fed. -\$11,560.00 State |
| Rowan Co. W-5709E REGIONAL | 44855.1.5, HSIP-0153(007) NC 153 (Rice Street) at SR 1197 (Cannon Farm Road) in China Grove. Funds are needed for preliminary engineering. | \$100,000.00 Cost \$90,000.00 Fed. \$10,000.00 State |

Bicycle and Pedestrian

| | | |
|-------------------------------------|--|---|
| Forsyth Co. EB-4020C DIVISION | 33974.3.3, STPEB-0918(059) Brushy Fork Creek Greenway, Phase IV. Greenway Extension from the existing Brushy Fork Creek Greenway at Lowery Street to Reynolds Park Road near the Salem Creek Greenway. \$120,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested. | \$140,000.00 Cost \$112,000.00 Fed. \$28,000.00 Local |
|-------------------------------------|--|---|

**NCDOT April 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 10

Congestion Mitigation

| Town/ County/PROJ CATEGORY | Project Description | Estimated Cost | |
|---|--|--|-----------------------|
| Cabarrus Co. C-4916C EXEMPT | 44016.3.4, CMS-1034(009) Sidewalk along Oakwood Avenue from Windsor Drive to Rogers Lake Road. Funds are needed for construction for a sidewalk. | \$920,875.00 \$736,700.00 \$184,175.00 | Cost Fed. Local |

Urban

| | | | |
|--|---|--|-----------------------|
| Mecklenburg Co. U-5908 EXEMPT | 46453.2.1, STP-0115(009) Main Street, NC 115 (Old Statesville Road) / SR 2004 (Mount Holly-Huntersville Road) to south of Ramah Church Road. Funds are needed for full right of way and utilities. | \$2,000,000.00 \$1,000,000.00 \$1,000,000.00 | Cost Fed. Local |
|--|---|--|-----------------------|

Bridge

| | | | |
|---------------------------------|---|--|-----------------------|
| Union Co. B-5377 DIVISION | 46092.2.2, BRZ-2170(006) Replace Bridge #157 over Pole Cat Creek on SR 2170. Funds are needed for full right of way and utilities. | \$125,000.00 \$100,000.00 \$25,000.00 | Cost Fed. State |
| Union Co. B-5801 DIVISION | 45755.3.1, BRZ-2166(001) Replace Bridge #163 over Pole Cat Creek on SR 2166 (Plyler Road). Funds are needed for construction for bridge replacement. | \$815,000.00 \$652,000.00 \$163,000.00 | Cost Fed. State |

**NCDOT April 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 10 (Continued)

Safety

| Town/ County/PROJ CATEGORY | Project Description | Estimated Cost | |
|---|---|---------------------------|-------|
| Union Co. | 44856.1.26, HSIP-0200(013) | \$175,000.00 | Cost |
| W-5710Z | NC 200 and NC 522 and SR 1007 (South Rocky River Road) | \$157,500.00 | Fed. |
| DIVISION | and SR 1146 (Parkwood School Road). Funds are needed for preliminary engineering. | \$17,500.00 | State |

**NCDOT April 2018 Board of Transportation Agenda
Approval of Funds for Specific Federal - Aid Projects**

Division 14

Urban

| Town/ County/PROJ CATEGORY | Project Description | Estimated Cost | |
|---|---|--|-----------------------|
| Henderson Co. U-5105 REGIONAL | 41903.3.3, STP-0025(022) US 25 / SR 1164 (Erkwood Drive) / SR 1779 (Shepherd Street). Funds are needed for construction for intersection improvements. | \$2,650,000.00 \$2,120,000.00 \$530,000.00 | Cost Fed. State |

Safety

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|-------------------------------------|--|---|-----------------------|
| Cherokee Co. W-5714F REGIONAL | 44862.3.6, HSIP-0141(009) NC 141 from SR 1527 (North Intersection) to south of SR 1527 (South Intersection) near Marble. Funds are needed for construction for pavement improvements. | \$203,000.00 \$182,700.00 \$20,300.00 | Cost Fed. State |
|-------------------------------------|--|---|-----------------------|

Bicycle and Pedestrian

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|--|---|--|-----------------------|
| Haywood Co. EB-5859 DIVISION | 47315.3.1, TAP-1422(016) Hazelwood Avenue (Plott Creek Road), Richland Creek Bridge to Will Hyatt Road. \$25,000.00 has previously been approved for construction. Additional funds are needed for construction for a sidewalk. | \$60,000.00 \$48,000.00 \$12,000.00 | Cost Fed. Local |
| Transylvania Co. EB-5858 DIVISION | 47314.1.1, TAP-1402(012) Construct Bike/Pedestrian Bridge from City of Brevard existing shared use path across Davidson River. Funds are needed for preliminary engineering. | \$100,000.00 \$80,000.00 \$20,000.00 | Cost Fed. Local |

ITEM M SUMMARY - 45 PROJECT(S) - (TOTAL FEDERAL, STATE AND LOCAL) \$39,213,412.00

REVISIONS TO THE 2018-2027 STIP

HIGHWAY PROGRAM
STIP ADDITIONS

DIVISION 1

| | | | | | |
|---------------|---|--------------|-----------|--------------|-------|
| * R-5869A | US 17, SR 1336 (HARVEY POINT ROAD) AND SR 1338 | RIGHT-OF-WAY | FY 2024 - | \$6,000,000 | (NHP) |
| PERQUIMANS | (WAYNE FORK ROAD). CONVERT AT-GRADE | UTILITIES | FY 2024 - | \$900,000 | (NHP) |
| PROJ.CATEGORY | INTERSECTION TO AN INTERCHANGE. | CONSTRUCTION | FY 2026 - | \$30,000,000 | (NHP) |
| STATEWIDE | <u>WORK PREVIOUSLY PROGRAMMED UNDER R-4459.</u> | | | \$36,900,000 | |

| | | | | | |
|---------------|---|--------------|-----------|--------------|-------|
| * R-5869B | US 17, SR 1300 (NEW HOPE ROAD). CONVERT AT- | RIGHT-OF-WAY | FY 2023 - | \$3,400,000 | (NHP) |
| PERQUIMANS | GRADE INTERSECTION TO INTERCHANGE. | UTILITIES | FY 2023 - | \$500,000 | (NHP) |
| PROJ.CATEGORY | <u>WORK PREVIOUSLY PROGRAMMED UNDER R-4458.</u> | CONSTRUCTION | FY 2025 - | \$19,800,000 | (NHP) |
| DIVISION | | | | \$23,700,000 | |

| | | | | | |
|------------|---|--------------|----------|---------------|-------|
| * R-5869C | US 17, SOUTH OF US 17 BUSINESS (EDENTON ROAD) | RIGHT-OF-WAY | POST YR- | \$3,500,000 | (NHP) |
| PERQUIMANS | TO NORTH OF SR 1220 (WIGGINS ROAD) | UTILITIES | POST YR- | \$1,000,000 | (NHP) |
| | <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL</u> | CONSTRUCTION | POST YR- | \$135,000,000 | (NHP) |
| | <u>STUDY ONLY TO ESTABLISH FUTURE INTERSTATE</u> | | | \$139,500,000 | |
| | <u>CORRIDOR LOCATION IN RELATION TO FUNDED STIP</u> | | | | |
| | <u>PROJECTS R-5869 A AND B.</u> | | | | |

DIVISION 6

| | | | | | |
|---------------|--|--------------|-----------|-------------|-----|
| U-6097 | SR 2217 (CLARK WEST ROAD), EXTEND SR 2217 TO | RIGHT-OF-WAY | FY 2018 - | \$85,000 | (T) |
| CUMBERLAND | ACCESS PROPOSED CAMPBELL SOUP COMPANY | CONSTRUCTION | FY 2019 - | \$1,458,000 | (T) |
| PROJ.CATEGORY | DEVELOPMENT. ECONOMIC DEVELOPMENT PROJECT. | | FY 2020 - | \$1,457,000 | (T) |
| DIVISION | <u>ECONOMIC DEVELOPMENT PROJECT.</u> | | | \$3,000,000 | |

DIVISION 10

| | | | | | |
|---------------|--|--------------|-----------|-------------|-----|
| * U-6098 | VARIOUS, EXTEND LEFT TURN LANE AT NC 73 AND SR | CONSTRUCTION | FY 2019 - | \$850,000 | (T) |
| CABARRUS | 1430, CONSTRUCT RIGHT AND LEFT TURN AT ACCESS | | FY 2020 - | \$850,000 | (T) |
| PROJ.CATEGORY | ROAD ON NC 73. CONSTRUCT ROUNDABOUT AT SR | | | \$1,700,000 | |
| DIVISION | 1620 AND SR 1621 (BARR ROAD). CONSTRUCT 200 | | | | |
| | FEET SB ON-RAMP RIGHT TURN LANE AT I-85 AND | | | | |
| | EXTEND STORAGE TO NB OFF RAMP | | | | |
| | <u>ADD NEW ECONOMIC DEVELOPMENT PROJECT</u> | | | | |

* INDICATES FEDERAL AMENDMENT

NCDOT April 5, 2018 Board of Transportation Agenda

SUMMARY: There are a total of 47 agreements for approval by the Board of Transportation.

Statewide

| | |
|---|--|
| U.S. Forest Service U.S. Department of Agriculture | This Agreement with the U.S. Forest Service to continue funding for reimbursement of costs for work performed by USFS staff, primarily the existing NCDOT-USFS liaison working on NCDOT projects not covered by the Category 5 Master or the Category 6 Major Cost Recovery Agreements. The work covered by this agreement includes work that is not project specific or that occurs on projects prior to the identification of detailed study alternatives (for Merger projects) or prior to scope definition (other projects). The Department shall reimburse the U.S. Forest Service an amount not to exceed a maximum of \$330,000 for the five (5)-year period. |
|---|--|

Division 1

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|---|---|
| North Carolina Department of Environmental Quality Dare (NCDEQ) Dare County B-2500 32635.3.5 | This Project consists of dredging the navigation channel at Oregon Inlet to remediate the accumulated sand to achieve 12' depth west of construction adjacent to bents 27 to 32 in accordance with Navigation Aids 19 to 21A, at the Herbert C. Bonner Bridge. NCDEQ, at the request of the Department, has agreed to have the required dredging performed by the US Army Corps of Engineers subject to reimbursement by the Department. This Supplemental Agreement is to increase the Departments funding participation for the Project. The Departments original participation was \$300,000. The Department agrees to participate in additional cost of dredging in the amount of \$1,000,000. The total estimated cost is \$1,300,000. |
|---|---|

Division 2

| | |
|--|--|
| USDA, Forest Service , National Forests in North Carolina, Croatan National Forest Craven County R-1015 | This Agreement provides for payment of processing and monitoring fees associated with the Havelock Bypass (US 70) authorized use and occupancy of National Forest System lands encroaching upon the Croatan Ranger District, Croatan National Forest, in Craven County. The Department will pay a processing fee of up to \$130,386.00 and a monitoring fee of up to \$138,019.00 for USFS cost recovery and services provided for the Havelock Bypass (US 70) for the five (5) year period. |
|--|--|

NCDOT April 5, 2018 Board of Transportation Agenda

Division 3

New Hanover County
U-4902D
40238.1.4
40238.2.4
40238.3.4
40238.3.5

This Project consists of roadway improvements on US 17 Business (Market Street) from Lendire Road to SR 2734 (Marsh Oaks Drive). The Department shall prepare the environmental and/or planning document, Project plans and specifications, construct the Project, and acquire any needed right of way. The County shall relocate and adjust any publically-owned utilities. At the request of the County, the Department shall include in its contract the construction of sidewalk and multi-use path along US 17 (Market Street) from Middle Sound Loop Road to Marsh Oaks Drive. The County shall reimburse the Department 50% of the actual cost of the work for sidewalk, and the first 5' of multi-use path, 100% of the second 5' of multi-use path and 100% of right of way cost for the multi-use path. The estimated reimbursement from the County is \$675,372.86.

City of Jacksonville
Onslow County
U-5319
45433.1.1
45433.2.1
45433.3.1

This Project consists of roadway improvement on SR 1308 (Gum Branch Road) at the intersection of NC 53 (Western Boulevard). The Department shall prepare the environmental and/or planning document, Project plans and specifications, construct the Project, and acquire any needed right of way. The Municipality shall relocate and adjust any municipally-owned utilities. At the request of the Municipality, the Department shall include in its contract the construction of sidewalk along SR 1308 (Gum Branch Road) at the intersection of NC 53 (Western Boulevard). The Municipality shall reimburse the Department 40% of the actual cost of the sidewalk work and 100% for powder coated mast arms and pedestals. The estimated reimbursement from the Municipality is \$8,355.42.

Brunswick County
SS-4903BR
44315.3.1

This Project consists of highway improvements at Highway 179 at Highway 904/SR 1184 in Ocean Isle Beach. At the request of the County, the Department shall include provisions in the construction contract for the contractor to adjust and/or relocate sewer lines. The County shall reimburse the Department the entire cost of said utility work. The estimated reimbursement from the County is \$139,050.00.

Division 4

North Carolina Department of
Environmental Quality
Edgecombe County
R-5868
47802.1.1

This Project consists of erosion control plan review for the Kingsboro Megasite (Triangle Tyre) in Edgecombe County. The Agency shall be responsible for all phases of the Project. The Department shall participate in actual costs in an amount not to exceed \$18,850.

April 5, 2018

NCDOT April 5, 2018 Board of Transportation Agenda

Division 4, cont.

Town of Spring Hope
Nash County
R-5784AA
44914.3.8

This Project consists of the construction of ADA acceptable ramps on State Routes within the Municipality. This Supplemental Agreement extends the Project scope to include two additional intersections. The Municipality shall assume maintenance upon Project completion.

Division 5

NC Department of Natural and
Cultural Resources
Museum of Art (NCMA)
Wake County
U-2719
35869.1.2

The Project consists of widening I-440 from Walnut Street in Cary to Wade Avenue in Raleigh. This Agreement is to obtain a US Department of Transportation Section 4(f) de minimus for project impacts to the NCMA campus. The Department shall participate in cost up to a maximum of \$775,000, as mitigation for project impacts.

Town of Cary
Wake County
EB-5894
47291.3.1

This Project consists of construction of the Black Creek Greenway from W. Dynasty Drive to Old Reedy Creek Road in Cary. The Municipality is responsible for all phases of the Project. The Department shall reimburse 80% of eligible expenses up to a maximum amount of \$4,000,000. The Municipality shall provide the 20% local match (\$1,000,000) and all costs that exceed the total available funding.

Town of Cary
Wake County
EB-5893
47290.1.1
47290.2.1
47290.3.1

This Project consists of construction of the Swift Creek Greenway from Lake Pine Drive to Koka Booth Amphitheater in Cary. The Municipality is responsible for all phases of the Project. The Department shall reimburse 80% of eligible expenses up to a maximum amount of \$12,240,000. The Municipality shall provide the 20% local match (\$3,060,000) and all costs that exceed the total available funding.

Town of Cary GoTriangle
Wake County
I-5506
43608.1.1
43608.2.2
43608.3.3

This Project consists of additional sidewalk and curb improvements at the I-40 and SR 1002 (Aviation Parkway) interchange. The Department will construct the Project. GoTriangle shall reimburse the Department 50% of the actual cost of the work. The estimated cost is \$5,616. Based on the estimated cost, GoTriangle shall submit a check for \$2,808 upon partial execution of the 3-party agreement. The Town of Cary will maintain the sidewalk upon completion of the Project.

GoTriangle
Durham County
36249.3543

This Project consists of plan review for the Durham-Orange Light Rail Project. This Supplemental Agreement is to expand the scope of work from preliminary to final design review and to increase funding for the Project. The Department will participate in review of the final design documents. The estimated additional cost to GoTriangle is \$30,000.

April 5, 2018

NCDOT April 5, 2018 Board of Transportation Agenda

Division 5, cont.

City of Durham
Durham County
EB-5720
50416.1.2
50416.2.1
50416.3.1

This Project consists of construction of an urban bicycle and pedestrian trail beginning at the southern end of the Kelly Bryant Bridge on NC Hwy 147 (Durham Freeway) and ending on Dakota Street at NC 55 at the existing Rocky Creek Trail in Durham. This Supplemental Agreement is to expand the scope to include construction of the Goose Creek West Multi-Use Trail from NC 55 to the south end of the Kelly Bryant Bridge and then from the north end of the Kelly Bryant Bridge to Drew-Granby Park, including connecting sidewalks. The funding will also be increased to accommodate the additional work. The Department shall reimburse 80% up to a maximum amount of \$3,989,621 in TAP funds. The Municipality shall provide the non-federal 20% match (\$997,405) and all costs that exceed the total available funding.

CSX Transportation, Inc.
(CSXT)
Wake County
P-5720
46932.1.1
46932.2.1
46932.3.1

This Agreement provides for the permanent closure of the at-grade railroad crossing of Durant Road (SR 2006, Crossing # 630 601X, milepost S 147.36). CSXT shall perform all work within the railroad right-of-way. The Department shall perform all work outside of the railroad right-of-way. The at-grade railroad crossing will be closed upon the completion of a roadway-bridge grade separation, which will be executed under a separate agreement between CSXT and the Department. The total estimated cost of the overall project (crossing and grade separation) is \$11,000,000.

CSX Transportation, Inc.
(CSXT)
Wake County
P-5715
46927.1.1
46927.2.1
46927.3.1

This Agreement provides for the permanent closure of the at-grade railroad crossing of New Hope Church Road (SR 2034, Crossing # 630 607N, milepost S 1152.32). CSXT shall perform all work within the railroad right-of-way. The Department shall perform all work outside of the railroad right-of-way. The at-grade railroad crossing will be closed upon the completion of a roadway-bridge grade separation, which will be executed under a separate agreement between CSXT and the Department. The total estimated cost of the overall project (crossing and grade separation) is \$10,700,000.

Division 6

City of Fayetteville Public
Works Commission
Cumberland County
W-5601CD
50138.3.83

This Project consists of constructing left over medians, bulb outs and drainage on Eastern Boulevard (US 301 and I-95 Business) from Brock Street to SR 1006 (Person Street). At the request of the Agency, the Department shall include provisions in the construction contract for the contractor to remove and replace manholes and valve boxes. The Agency shall reimburse the Department the entire cost of said utility work. The estimated reimbursement from the Agency is \$20,000.

April 5, 2018

NCDOT April 5, 2018 Board of Transportation Agenda

Division 7

City of Greensboro
Guilford County
U-5306A
47026.2.2
47026.3.F2

This Project consists of improving the approach to the Battleground-Benjamin-Cone Intersection. This Supplemental Agreement is to provide additional funding and extend the completion date. The Department's original participation was \$2,650,000. The Department agrees to reimburse the Municipality an additional \$1,400,000 of NHP funds and \$350,000 State match. The Municipality shall complete all work outlined in the Agreement by 12/31/2018 in lieu of 2/4/2018.

City of Greensboro
Guilford County
U-5306C
47026.2.F4
47026.3.F4

This Project consists of improving the approach to the Battleground-New Garden Intersection. This Supplemental Agreement is to provide additional funding and extend the completion date. The Department's original participation was \$1,220,000. The Department agrees to reimburse the Municipality an additional \$288,000 of NHP funds and \$72,000 State match. The Municipality shall complete all work outlined in the Agreement by 12/31/2018 in lieu of 11/9/2018.

City of High Point
Guilford County
C-5609E
43731.2.2
43731.3.4

This Project consists of construction of sidewalk, curb ramps for wheelchair accessibility and bus pads that will create a walking alternative for residential neighborhoods to access transit connections at Oakview Elementary and Oakview Recreational Center in High Point. The Municipality is responsible for all aspects of the Project. The Department shall reimburse 80% of eligible expenses up to a maximum amount of \$197,600 in TAP funds. The Municipality shall provide the 20% non-federal match (\$49,400) and all costs that exceed the total available funding.

City of Burlington
Alamance County
EB-5879
47274.1.1
47274.2.1
47274.3.1

This Project consists of construction of sidewalk improvements, driveway aprons, and curb ramps located on N. Church Street between Sellars Mill Road and N. Graham-Hopedale Road in Burlington. The Municipality is responsible for all phases of the project. The total estimated cost is \$110,000. The Department shall reimburse 80% of eligible expenses incurred by the Municipality up to a maximum amount of \$88,000 in TAP funds. The Municipality shall provide the local 20% match (\$22,000) and all costs that exceed the available funding.

City of Burlington
Alamance County
EB-5885
47281.1.1
47281.3.1

This Projects consists of construction of sidewalk along N Church St (US Highway 70) from Beaumont Avenue to Graham Hopedale Road including new ADA ramps and ADA ramp improvements at all intersections in Burlington. The Municipality is responsible for all aspects of the Project. The Department shall reimburse 80% up to a maximum amount of \$94,400 in TAP funds. The Municipality shall provide the non-federal 20% match (\$23,600) and all costs that exceed the total available funding.

April 5, 2018

NCDOT April 5, 2018 Board of Transportation Agenda

Division 7, cont.

Town of Jamestown
Guilford County
U-2412A
34802.3.3

This Project consists of improvements on SR 4121 (Greensboro/High Point Road) from I-74/US 311 to west of SR 4228 (Vickery Chapel Road) in Jamestown. At the request of the Municipality, construction will include a sidewalk in the municipal limits on one side of Oakdale Road in Jamestown. The estimated cost of the sidewalk is \$10,868. The Municipality will reimburse the Department 20% of the cost. The estimated cost to the Municipality is \$2,174.

City of High Point
Guilford County
U-2412A
34802.2.2
34802.2.6
34802.3.3

This Project consists of improvements on SR 4121 (Greensboro/High Point Road) from I-74/US 311 to west of SR 4228 (Vickery Chapel Road) in High Point. The Department shall prepare the environmental documents, plans and specifications, acquire any needed right of way, and construct the Project. The Municipality shall relocate and adjust any municipally-owned utilities.

City of High Point
Guilford County
U-2412A
34802.2.2

This Project consists of improvements on SR 4121 (Greensboro/High Point Road) from I-74/US 311 to west of SR 4228 (Vickery Chapel Road) in High Point. This Utility Preliminary Engineering Agreement is for PE design prior to the relocation of municipal water and sewer lines. The Municipality shall reimburse the Department a fixed amount for the work, \$26,106.37.

City of High Point
Guilford County
U-2412A
34802.3.3

This Project consists of improvements on SR 4121 (Greensboro/High Point Road) from I-74/US 311 to west of SR 4228 (Vickery Chapel Road) in High Point. This Utility Construction Agreement is to adjust and/or relocate municipally-owned water and sewer lines. The Municipality shall reimburse the Department the entire cost of said utility work. The estimated reimbursement from the Municipality is \$205,411.

Division 8

City of Asheboro
Randolph County
EB-5862
47318.1.1
47318.3.1

This Project consists of constructing sidewalk on the south side of Industrial Park Avenue from Randolph Community College entrance to the Continuing Education and Industrial Center in Asheboro. The Municipality is responsible for all aspects of the Project. The Department shall reimburse 80% of eligible expenses up to a maximum amount of \$174,000 in TAP funds. The Municipality shall provide the 20% non-federal match (\$43,000) and all costs that exceed the total available funding.

NCDOT April 5, 2018 Board of Transportation Agenda

Division 8, cont.

Mountaire Farms Inc.
CSX Transportation, Inc.
(CSXT), Laurinburg-Maxton
Airport Commission
Scotland County
P-5724
80000.3.1.14
47371.3.1

This Rail Industrial Access and Construction Agreement provides for the approval of Freight Rail and Rail Crossing Safety Improvement (FRRCSI) and Strategic Transportation Investments (STI) funding to assist the Industry with the upgrade of 8,621 feet of rail industrial lead track from the CSXT SE line milepost 274.68, along Airport Road (SR 1434) to near Luter Road (SR 1437) and the construction of a 16,832 foot loop track off the rail spur to serve a proposed feed mill located near the Town of Maxton. In addition, the project will include a new at-grade crossing on Airport Road (SR 1434), the rehabilitation of two (2) at-grade crossings and the installation of crossing warning devices. The Industry, CSXT, and the Commission will be responsible for performing the work. The Department will participate in the project up to \$1,490,809. The estimated cost of the project is \$9,282,133. Due to a change in the Parties to the Agreement, this Board Agenda Item supersedes the agenda item that was presented and approved at the December 2017 Board of Transportation Meeting.

Divisions 8 and 10

USDA, Forest Service
(US Forest Service)
Montgomery and Stanly
Counties

This Agreement is to relocate and provide permanent habitat for three populations of the federally endangered plant species, Schweinitz's sunflower, to the Uwharrie Ranger District. The Department will assist with annual monitoring of the transplant sites until December 2018 and provide a maximum amount of \$14,270.

Town of Southern Pines
Moore County
W-5708B
44854.3.2

This Project consists of intersection improvements at the Intersection of NC 2 (Midland Rd) & NC 22 (Central Drive) in Southern Pines. This Utility Construction Agreement is for adjustment and relocation of municipal water and sewer lines. The Municipality shall reimburse the Department 100% of the cost of the work, estimated to be \$92,197.91.

Division 9

Winston-Salem City/County
Utilities
Forsyth County
R-2247CD & EC
34409.3.23

This Project consists of reconstruction of interchanges on the Winston-Salem Northern Beltway at the US 52/Future I-74 Interchange with NC 65 and the US 421 Interchange with SR 1891/Peace Haven Road. This Utility Construction Agreement is for adjustment and relocation of municipal water lines. The Municipality shall reimburse the Department a fixed amount for the work, \$400,602.

NCDOT April 5, 2018 Board of Transportation Agenda

Division 9, cont.

Village of Clemmons
Forsyth County
C-5620E
43740.3.5

This Project consists of construction of approximately 1,200 linear feet of sidewalks with stamped crosswalk and pedestrian signalization along Market Center Drive in Clemmons. The Municipality is responsible for all aspects of the work. The Department shall reimburse 80% of eligible expenses up to a maximum amount of \$320,000 in CMAQ funds. The Municipality shall provide the 20% non-federal match (\$80,000) and all costs that exceed the total available funding.

City of Salisbury
Rowan County
C-5603H
43713.1.8
43713.2.8
43713.3.8

This Project consists of installation of approximately 3,000 linear feet of sidewalk to include necessary drainage and curb and gutter along Brenner Avenue from Statesville Boulevard (near Catawba College) W. Horah Street (near Livingstone College); and the addition of left turn lanes at the intersection of Brenner Avenue and Link Avenue at the VA Hospital entrance in Salisbury. The Municipality is responsible for all aspects of the work. The Department shall reimburse 80% of eligible expenses up to a maximum amount of \$608,000 in CMAQ funds. The Municipality shall provide the 20% non-federal match (\$152,000) and all costs that exceed the total available funding.

Piedmont Authority for
Regional Transportation
Forsyth County
U-2827BC
34872.3.8

This Project is for the rehabilitation and reconstruction of Business I-40 through downtown Winston-Salem. This Agreement is for enhanced transit services to alleviate congestion and improve access in the area through the life of the Project. The Agency will provide all enhanced services and the Department will reimburse the Agency up to \$5,404,000 (\$4,323,200 NHPP funds and \$1,080,800 State funds) for eligible costs.

City of Winston-Salem
Forsyth County
U-2827BC
34872.3.8

This Project is for the rehabilitation and reconstruction of Business I-40 through downtown Winston-Salem. This Agreement is for enhanced transit services to alleviate congestion and improve access in the area through the life of the Project. The Municipality will provide all enhanced services and the Department will reimburse the Municipality up to \$9,470,240 (\$7,576,192 NHPP funds and \$1,894,048 State funds) for eligible costs.

NCDOT April 5, 2018 Board of Transportation Agenda

Division 10

Norfolk Southern Railway
Company (NS)
North Carolina Railroad
Company (NCRR)
Hazeline H. Stroup, et. Al.
Mecklenburg County
Y-5500JA
80000.2.1.4

This Rail Agreement consists of the permanent closure of the private at-grade crossing that serves the Stroup property (Crossing # 715 338M, milepost Main 367.00), which crosses the main line track of NS, and is within the NCRR Corridor. The Department will perform all work not on railroad right of way. NS/NCRR will perform all work within their right-of-way. As mitigation for the closure, the Department shall construct an alternate access road from Caldwell Park Drive to the Stroup property. The total estimated cost for Project Y-5500JA to the Department \$900,000.

Norfolk Southern Railway
Company (NS)
North Carolina Railroad
Company (NCRR)
Elma Cochrane et. al.
Mecklenburg County
Y-5500JA
80000.2.1.4

This Rail Agreement consists of the permanent closure of the private at-grade crossings that serves the Cochrane property (Crossing # 715 336Y, milepost Main 366.61), which crosses the main line track of NS, and is within the NCRR corridor. The Department will perform all work not on railroad right-of-way. NS/NCRR will perform all work within their right-of-way. As mitigation for the closure, the Department shall construct an alternate access road from Caldwell Park Drive to the Cochrane property. The total estimated cost for Project Y-5500JA to the Department is \$900,000.

City of Charlotte
Mecklenburg County
SS-4910DA
47680.3.1

This Project consists of the installation of 2 traffic signals on I-77 Southbound at LaSalle Street and Fifth Street. The Municipality is responsible for all phases of the project. The Department shall participate in the construction costs of the project up to a maximum amount of \$214,000.

City of Kannapolis
Cabarrus County
C-5603F
43713.1.6
43713.2.6
43713.3.6

This Project consists of construction of sidewalk, curb and gutter and associated storm drainage along the north side of Bethpage Road from South Main Street to existing sidewalk at Leonard Avenue and along the south side of Bethpage Road from Westgreen Drive to Klondale Avenue in Kannapolis. The Municipality is responsible for all phases of the project. The Department shall reimburse 80% of eligible expenses from CMAQ funds allocation, not to exceed \$648,000. The City shall provide a 20% (\$162,000) non-federal match and all costs that exceed the total estimated cost of \$810,000.

Union County
W-5601AC
50138.3.30

This Project consists of improvements on NC 75 (Waxhaw Highway) and SR 1007 (Rocky River Road)/SR 1150 (Old Waxhaw Monroe Road) near Monroe. At the request of the County, the Department shall include provisions in the construction contract for the contractor to adjust and/or relocate municipally-owned water lines. The County shall reimburse the Department the entire cost of said utility work. The estimated reimbursement from the County is \$66,000.

April 5, 2018

NCDOT April 5, 2018 Board of Transportation Agenda

Division 10, cont.

Town of Indian Trail
Union County
EB-5931
47696.3.1

This Project consists of complete street along North Indian Trail Road from South Fork Road to Liberty Lane. The Municipality is responsible for the project. The Department shall reimburse 80% of eligible expenses from STBGDA funds allocation, not to exceed \$2,510,000. The Municipality shall provide the 20% non-federal match (\$627,500) and all costs that exceed the total estimated cost of \$3,137,500.

Town of Indian Trail
Union County
EB-5723
50419.1.2
50419.2.1
50419.3.1

This Project consists of construction of a multi-use path on US 74 from SR 1520 (Indian Trail Fairview Road) to SR 1367 (Unionville Indian Trail Road) and from SR 1367 (Unionville Indian Trail Road) to Oakwood Lane. The Municipality is responsible for all phases of the project. The Department shall reimburse 80% of eligible expenses from TAP funds allocation, not to exceed \$1,113,000 and shall also reimburse 80% of eligible expenses from STBGDA funds allocation, not to exceed \$1,879,000, for a total maximum reimbursement of \$2,992,000. The Municipality shall provide the 20% non-federal match (\$748,000) and all costs that exceed the total estimated cost of \$3,740,000.

Division 13

City of Asheville
Buncombe County
EB-5830
46998.1.1

This Project consists of bicycle, pedestrian, streetscaping and safety improvements on South Lexington Avenue between Patton Avenue and Southside Avenue in Asheville. The City is responsible for the project. The Department shall reimburse 80% of eligible expenses from STBGDA funds allocation, not to exceed \$540,000. The City shall provide the 20% non-federal match (\$135,000) and all costs that exceed the total estimated cost of \$675,000.

City of Asheville
Buncombe County
EB-5831
46999.1.1

This Project consists of bicycle, pedestrian, streetscaping and safety improvements along Coxe Avenue between Patton Avenue and Short Coxe Avenue. The City is responsible for the project. The Department shall reimburse 80% of eligible expenses from STBGDA funds allocation, not to exceed \$420,000. The City shall provide the 20% non-federal match (\$105,000) and all costs that exceed the total estimated cost of \$525,000.

NCDOT April 5, 2018 Board of Transportation Agenda

Division 14

Town of Maggie Valley
Haywood County
EB-5926
47631.1.1
47631.3.1

This Project consists of the construction of bicycle and pedestrian improvements along US 19 from US 276 to Fie Top Road in Maggie Valley. The Department is responsible for all phases of the Project. The Department will provide \$1,580,000 in federal funds. The Municipality will provide the 20% non-federal match (\$395,000) to the federal funds authorized and all costs that exceed the total available funding of \$1,975,000.

City of Hendersonville
Henderson County
U-5105
41903.3.3

This Project consists of intersection improvements on NC 225 from SR 1164 (Erkwood Drive) to SR 1779 (Shepherd Street) in Hendersonville. The Department shall prepare the environmental/planning document, Project plans and specifications acquire any needed right of way and construct the Project. The Municipality shall relocate and adjust any municipally-owned utilities. At the request of the Municipality, the Department shall include in its contract the construction of sidewalk along NC 225 from SR 1164 (Erkwood Drive) to SR 1779 (Shepherd Street). The Municipality shall reimburse the Department 20% of the actual cost of the work. The estimated reimbursement from the Municipality is \$3,670.

Land of Sky Regional Council
Haywood County
C-5612C
43734.4.1

This Project consists of implementing a comprehensive regional education and outreach program on clean transportation options to reduce mobile source emissions in the Smoky Mountain Region. The Agency is responsible for the project. The Department shall reimburse 80% of eligible expenses from CMAQ funds allocation not to exceed \$80,000. The Agency shall provide the 20% (\$20,000) non-federal match and all costs that exceed the total estimated cost of \$100,000.

NCDOT April 5, 2018 Board of Transportation Agenda

SUMMARY: There are a total of 12 agreements for informational purposes only

Division 1

NC Division of Environmental
Quality
Hyde County

This Project is to allow the Division of Marine Fisheries, a branch of the Agency, to install a pier at the Swan Quarter Ferry Terminal, at no expense or liability to the Department, for the loading of oyster shells. The Agency shall perform all work and assume all maintenance.

Town of Nags Head
Dare County
36249.3888

This Project consists of the installation of presence detecting, edge lit, pedestrian warning flashers on US 64 at the Melvin R. Daniels Bridge. The Department shall be responsible for all phases of the Project. The Municipality shall reimburse the Department \$10,000 (50%) of the cost of the work performed by the Department. The total estimated Project cost is \$20,000.

Pasquotank County
36249.3887

This Project consists of the installation of a fire signal at Providence Volunteer Fire Department on US 17. The Department shall be responsible for all phases of the Project. The County shall reimburse the Department 100% of the cost of the work performed by the Department. The estimated reimbursement from the County is \$30,000.

Division 2

Ruedebsch Development and
Construction, Inc.
36249.3886

This Project consists of review and inspection of a traffic signal upgrade at the intersection of Old Creek Road at US 264. The Developer shall reimburse the Department 100% of the cost of the Department's review and inspection of the signals. The estimated reimbursement is \$10,000.

Division 3

City of Jacksonville
Onslow County
44721

This Project consists of repair work on Carolina Forest Boulevard (non-system). This Supplemental Agreement is to extend the completion date for the Project to 4/12/2019, in lieu of 4/12/18.

Division 6

Town of Elizabethtown
Bladen County
36244.4.7.1

This Project consists of repaving of the Curtis L. Brown Jr. Field airport terminal parking lot. The Municipality shall be responsible for all phases of the Project. The Department shall participate in actual costs in an amount not to exceed \$35,000. Costs which exceed this amount shall be borne by the Municipality.

April 5, 2018

NCDOT April 5, 2018 Board of Transportation Agenda

Division 6, cont.

City of Fayetteville
Cumberland County
U-4444AB(L)
36492.3.FS5

This Project consists of landscaping on NC 87/NC 210 (Murchison Road) from north of SR 1613 (Honeycutt Road) to north of NC 24-87-210. The Project will include landscape plantings and irrigation system. The Department shall develop the landscape design, prepare plans and site and install the plantings and irrigation system. The Municipality shall reimburse the Department 100% for the irrigation system installation. The estimated reimbursement is \$163,664.64.

Division 7

Aldi, Inc.
Guilford County
36249.3880

This Project consists of traffic signal modifications at the intersection of SR 1009 (S. Main St.) and Plaza Lane/South Main Center. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% of the actual cost of all work performed by the Department. The estimated cost is \$5,000.

City of Burlington
Alamance County
N/A

This Agreement is to define the roles and responsibilities with respect to the NCDOT's conveyance to Burlington of a single underground conduit located in the right-of-way along the I-40 interstate between Exit 140 (University Drive) and Exit 132 (Mount Hope Church Road). The Municipality will install fiber optic cables. No funding is involved.

Division 9

Town of Spencer
Rowan County
44793

This Project consists of drainage improvements on Fourth Street between US 29 (Salisbury Avenue) and Iredell Avenue in the Town of Spencer. This Supplemental Agreement is to extend the completion date to 4/12/2019 in lieu of 4/12/2018.

Division 10

City of Charlotte
Mecklenburg County
C-5540
51010.1.1
51010.2.F1
51010.3.3

This Project consists of construction of sidewalk on the north side of Nevin Road from Alpine Drive to Gibbon Road; on the south side of Gibbon Road from Nevin Road to West Sugar Creek Road and the east side of West Sugar Creek Road between Bisaner Street and Mallard Creek Road. This Supplemental Agreement extends the completion date to December 31, 2018 in lieu of March 27, 2018.

NCDOT April 5, 2018 Board of Transportation Agenda

Division 14

Polk County
R-5867
47847.3.1

This Project consists of the construction of 2 bridges on US 74 west of Exit 170 to allow traffic to gain access to the equestrian center using a new road underneath US 74. The County shall participate in the cost of the project in the amount of \$500,000. The estimated cost of the project is \$5,750,000.

NCDOT April 5, 2018 Board of Transportation Agenda

Statewide

National Railroad
Passenger Corporation
(Amtrak)
Wake County
P-2918
42801.3.F2

This Rail agreement provides for supplemental funding for Federal Fiscal Year 2018 to Amtrak for the operation of an additional Piedmont passenger service (new trains 77 and 78) between Raleigh and Charlotte. The terms of Amtrak's operating agreement with the Department approved September 7, 2017 will continue. This agreement also includes costs related to Amtrak's training of engineers and conductors to operate the additional trains. The estimated additional cost to the Department for the period ending September 30, 2018 is \$558,893.75.

REVISIONS TO THE 2018-2027 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 1

| | | | | | |
|---------------|---|--------------|-----------|--------------------|------------|
| * B-5603 | SR 1311 (BOONE'S BRIDGE ROAD), REPLACE BRIDGE | CONSTRUCTION | FY 2018 - | \$1,268,000 | (STBG OFF) |
| HERTFORD | 450137 OVER MEHERRIN RIVER OVERFLOW. | | FY 2019 - | <u>\$1,267,000</u> | (STBG OFF) |
| PROJ.CATEGORY | <u>ACCELERATE CONSTRUCTION FROM FY 19 TO FY 18.</u> | | | \$2,535,000 | |
| DIVISION | | | | | |

DIVISION 2

| | | | | | |
|---------------|--|--------------|-----------|--------------------|-----|
| U-3618 | SR 1569 (CAREY ROAD EXTENSION), SR 1572 (ROUSE | RIGHT-OF-WAY | FY 2022 - | \$2,140,000 | (T) |
| LENOIR | ROAD) TO US 258. CONSTRUCT MULTI-LANES ON NEW | UTILITIES | FY 2022 - | \$322,000 | (T) |
| PROJ.CATEGORY | LOCATION. | CONSTRUCTION | FY 2024 - | \$7,233,000 | (T) |
| DIVISION | <u>COST INCREASE EXCEEDING \$2 MILLION AND 25%</u> | | FY 2025 - | \$7,233,000 | (T) |
| | <u>THRESHOLDS</u> | | FY 2026 - | <u>\$7,234,000</u> | (T) |
| | | | | \$24,162,000 | |

| | | | | | |
|---------------|--|--------------|-----------|---------------------|-----|
| U-5876 | US 70 (ARENDELL STREET), 4TH STREET TO SR 1175 | RIGHT-OF-WAY | FY 2020 - | \$6,764,000 | (T) |
| CARTERET | (RADIO ISLAND ROAD). WIDEN TO MULTI-LANES. | | FY 2021 - | \$6,764,000 | (T) |
| PROJ.CATEGORY | <u>ACCELERATE RIGHT-OF-WAY FROM FY 22 TO FY 20</u> | UTILITIES | FY 2020 - | \$1,667,000 | (T) |
| STATEWIDE | <u>AND CONSTRUCTION FROM FY 22 TO FY 20.</u> | CONSTRUCTION | FY 2020 - | \$6,980,000 | (T) |
| | | | FY 2021 - | \$44,209,000 | (T) |
| | | | FY 2022 - | \$44,209,000 | (T) |
| | | | FY 2023 - | <u>\$44,209,000</u> | (T) |
| | | | | \$154,802,000 | |

| | | | | | |
|---------------|---|--------------|-----------|--------------------|--------|
| * U-5952 | GREENVILLE, GREENVILLE SIGNAL SYSTEM. | UTILITIES | FY 2019 - | \$100,000 | (STBG) |
| PITT | <u>ACCELERATE UTILITIES FROM FY 22 TO FY 19 AND</u> | CONSTRUCTION | FY 2020 - | \$2,824,000 | (STBG) |
| PROJ.CATEGORY | <u>CONSTRUCTION FROM FY 23 TO FY 20.</u> | | FY 2021 - | \$2,824,000 | (STBG) |
| REGIONAL | | | FY 2022 - | <u>\$2,824,000</u> | (STBG) |
| | | | | \$8,572,000 | |

DIVISION 3

| | | | | | |
|---------------|---|--------------|-----------|--------------------|-----|
| AV-5742 | ODELL WILLIAMSON MUNICIPAL AIRPORT (60J), | RIGHT-OF-WAY | FY 2018 - | <u>\$1,270,000</u> | (T) |
| BRUNSWICK | RUNWAY PROTECTION ZONE 2 - RUNWAY 24 LAND | | | \$1,270,000 | |
| PROJ.CATEGORY | ACQUISITION. | | | | |
| DIVISION | <u>TO ALLOW ADDITIONAL TIME FOR DESIGN, DELAY</u> | | | | |
| | <u>RIGHT-OF-WAY FROM FY 17 TO FY 18.</u> | | | | |

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2018-2027 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 3

| | | | | | |
|---------------|---|--------------|-----------|--------------|--------|
| * R-5021 | NC 211, SR 1500 (MIDWAY ROAD) TO NC 87. WIDEN TO | CONSTRUCTION | FY 2019 - | \$28,467,000 | (STBG) |
| BRUNSWICK | MULTI-LANES. | | FY 2020 - | \$28,467,000 | (STBG) |
| PROJ.CATEGORY | <u>TO ALLOW ADDITIONAL TIME FOR DESIGN, DELAY</u> | | FY 2021 - | \$28,466,000 | (STBG) |
| DIVISION | <u>CONSTRUCTION FROM FY 18 TO FY 19.</u> | | | \$85,400,000 | |

| | | | | | |
|---------------|--|--------------|-----------|-------------|-----|
| R-5857 | US 17, US 17 BUSINESS SOUTH OF SHALLOTTE AND | RIGHT-OF-WAY | FY 2020 - | \$840,000 | (T) |
| BRUNSWICK | US 17 BUSINESS NORTH OF SHALLOTTE. CONVERT | UTILITIES | FY 2020 - | \$200,000 | (T) |
| PROJ.CATEGORY | INTERSECTIONS TO SUPERSTREETS. | CONSTRUCTION | FY 2022 - | \$4,368,000 | (T) |
| STATEWIDE | <u>ACCELERATE RIGHT-OF-WAY FROM FY 24 TO FY 20</u> | | | \$5,408,000 | |
| | <u>AND CONSTRUCTION FROM FY 26 TO FY 22.</u> | | | | |

| | | | | | |
|---------------|---|--------------|-----------|--------------|-----|
| U-5739 | US 258 (RICHLANDS HIGHWAY), SR 1212 (PONY FARM | RIGHT-OF-WAY | FY 2018 - | \$1,896,000 | (T) |
| ONSLow | ROAD) TO SR 1213 (BLUE CREEK ROAD). CONSTRUCT | UTILITIES | FY 2018 - | \$1,303,000 | (T) |
| PROJ.CATEGORY | SUPERSTREET. | CONSTRUCTION | FY 2021 - | \$6,450,000 | (T) |
| REGIONAL | <u>MODIFY PROJECT LIMITS TO BETTER COORDINATE</u> | | FY 2022 - | \$6,450,000 | (T) |
| | <u>WITH PROJECT U-5716.</u> | | | \$16,099,000 | |

DIVISION 5

| | | | | | |
|---------------|--|--------------|-----------|-------------|-------|
| * EB-5720 | BRYANT BRIDGE NORTH / GOOSE CREEK WEST TRAIL, | ENGINEERING | FY 2018 - | \$230,000 | (TAP) |
| DURHAM | NC 55 TO TO DREW-GRANBY PARK IN DURHAM. | | FY 2018 - | \$58,000 | (L) |
| PROJ.CATEGORY | CONSTRUCT SHARED-USE PATH AND CONNECTING | RIGHT-OF-WAY | FY 2020 - | \$3,000 | (TAP) |
| DIVISION | SIWALKS. | | FY 2020 - | \$11,000 | (L) |
| | <u>REVISE PROJECT DESCRIPTION TO INCLUDE EB-5833</u> | CONSTRUCTION | FY 2021 - | \$3,524,000 | (TAP) |
| | <u>SCOPE AT THE REQUEST OF MPO.</u> | | FY 2021 - | \$908,000 | (L) |
| | | | | \$4,734,000 | |

| | |
|---------------|--|
| R-2721 | NEW ROUTE (FUTURE NC 540), SOUTHERN WAKE |
| WAKE | FREEWAY / TRIANGLE EXPRESSWAY SOUTHEAST |
| PROJ.CATEGORY | EXTENSION (RALEIGH OUTER LOOP), NC 55 (SOUTH) |
| STATEWIDE | TO EAST OF US 401 SOUTH. FREEWAY ON NEW |
| | LOCATION. |
| | <u>CREATE PROJECT BREAKS A AND B, AND</u> |
| | <u>ACCELERATE RIGHT OF WAY AND CONSTRUCTION</u> |
| | <u>FROM FY 20 TO FY 19 AT NCTA REQUEST FOR</u> |
| | <u>STRATEGIC LETTING PURPOSES. SEE PARTS A AND B</u> |
| | <u>FOR FUNDING AND SCHEDULES.</u> |

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2018-2027 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 5

| | | | | | |
|---------------|--|---------------|-----------|---------------|----------|
| R-2721A | NC 540, NC 55 BYPASS TO EAST OF SR 1152 (HOLLY SPRINGS ROAD). CONSTRUCT FREEWAY ON NEW LOCATION. | RIGHT-OF-WAY | FY 2019 - | \$61,755,000 | (BOND R) |
| WAKE | | UTILITIES | FY 2019 - | \$4,370,000 | (BOND R) |
| PROJ.CATEGORY | | CONSTRUCTION | FY 2019 - | \$14,642,000 | (NHP) |
| STATEWIDE | <u>PROJECT BREAK IS CREATED AT NCTA REQUEST FOR STRATEGIC LETTING PURPOSES.</u> | | FY 2019 - | \$10,000,000 | (S(M)) |
| | | | FY 2019 - | \$42,616,000 | (BOND R) |
| | | | FY 2020 - | \$14,641,000 | (NHP) |
| | | | FY 2020 - | \$10,000,000 | (S(M)) |
| | | | FY 2021 - | \$14,641,000 | (NHP) |
| | | | FY 2021 - | \$10,000,000 | (S(M)) |
| | | GARVEE CONSTR | FY 2019 - | \$7,722,000 | (NHP) |
| | | | FY 2020 - | \$7,722,000 | (NHP) |
| | | | FY 2021 - | \$7,722,000 | (NHP) |
| | | | FY 2022 - | \$7,722,000 | (NHP) |
| | | | FY 2023 - | \$7,722,000 | (NHP) |
| | | | FY 2024 - | \$7,722,000 | (NHP) |
| | | | FY 2025 - | \$7,722,000 | (NHP) |
| | | | FY 2026 - | \$7,722,000 | (NHP) |
| | | | FY 2027 - | \$7,722,000 | (NHP) |
| | | | FY 2028 - | \$7,722,000 | (NHP) |
| | | | FY 2029 - | \$7,722,000 | (NHP) |
| | | | POST YR - | \$30,888,000 | (NHP) |
| | | | | \$298,495,000 | |
| R-2721B | NC 540, EAST OF SR 1152 (HOLLY SPRINGS ROAD) TO EAST OF US 401. CONSTRUCT FREEWAY ON NEW LOCATION. | RIGHT-OF-WAY | FY 2019 - | \$89,470,000 | (BOND R) |
| WAKE | | UTILITIES | FY 2019 - | \$26,450,000 | (BOND R) |
| PROJ.CATEGORY | | CONSTRUCTION | FY 2019 - | \$16,903,000 | (NHP) |
| STATEWIDE | <u>PROJECT BREAK IS CREATED AT NCTA REQUEST FOR STRATEGIC LETTING PURPOSES.</u> | | FY 2019 - | \$10,000,000 | (S(M)) |
| | | | FY 2019 - | \$42,617,000 | (BOND R) |
| | | | FY 2020 - | \$16,903,000 | (NHP) |
| | | | FY 2020 - | \$10,000,000 | (S(M)) |
| | | | FY 2021 - | \$16,902,000 | (NHP) |
| | | | FY 2021 - | \$10,000,000 | (S(M)) |
| | | GARVEE CONSTR | FY 2019 - | \$7,722,000 | (NHP) |
| | | | FY 2020 - | \$7,722,000 | (NHP) |
| | | | FY 2021 - | \$7,722,000 | (NHP) |
| | | | FY 2022 - | \$7,722,000 | (NHP) |
| | | | FY 2023 - | \$7,722,000 | (NHP) |
| | | | FY 2024 - | \$7,722,000 | (NHP) |
| | | | FY 2025 - | \$7,722,000 | (NHP) |
| | | | FY 2026 - | \$7,722,000 | (NHP) |
| | | | FY 2027 - | \$7,722,000 | (NHP) |
| | | | FY 2028 - | \$7,722,000 | (NHP) |
| | | | FY 2029 - | \$7,722,000 | (NHP) |
| | | | POST YR - | \$30,888,000 | (NHP) |
| | | | | \$355,075,000 | |

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2018-2027 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 5

| | | | | | |
|---------------|---|---------------|-----------|---------------|----------|
| R-2828 | NEW ROUTE (FUTURE NC 540), SOUTHERN WAKE | RIGHT-OF-WAY | FY 2019 - | \$81,535,000 | (BOND R) |
| JOHNSTON | FREEWAY / TRIANGLE EXPRESSWAY SOUTHEAST | UTILITIES | FY 2019 - | \$31,510,000 | (BOND R) |
| WAKE | EXTENSION (RALEIGH OUTER LOOP), EAST OF US 401 | CONSTRUCTION | FY 2019 - | \$52,159,000 | (NHP) |
| PROJ.CATEGORY | TO I-40. CONSTRUCT FREEWAY ON NEW LOCATION. | | FY 2019 - | \$18,667,000 | (S(M)) |
| STATEWIDE | <u>ACCELERATE RIGHT-OF-WAY AND CONSTRUCTION</u> | | FY 2019 - | \$185,073,000 | (BOND R) |
| | <u>FROM FY 20 TO FY 19 TO REFLECT CURRENT</u> | | FY 2020 - | \$52,159,000 | (NHP) |
| | <u>DELIVERY SCHEDULE.</u> | | FY 2020 - | \$18,666,000 | (S(M)) |
| | | | FY 2021 - | \$52,159,000 | (NHP) |
| | | | FY 2021 - | \$18,667,000 | (S(M)) |
| | | GARVEE CONSTR | FY 2019 - | \$19,219,000 | (NHP) |
| | | | FY 2020 - | \$19,219,000 | (NHP) |
| | | | FY 2021 - | \$19,219,000 | (NHP) |
| | | | FY 2022 - | \$19,219,000 | (NHP) |
| | | | FY 2023 - | \$19,219,000 | (NHP) |
| | | | FY 2024 - | \$19,219,000 | (NHP) |
| | | | FY 2025 - | \$19,219,000 | (NHP) |
| | | | FY 2026 - | \$19,219,000 | (NHP) |
| | | | FY 2027 - | \$19,219,000 | (NHP) |
| | | | FY 2028 - | \$19,219,000 | (NHP) |
| | | | FY 2029 - | \$19,219,000 | (NHP) |
| | | | POST YR- | \$115,314,000 | (NHP) |
| | | | | \$837,318,000 | |
| U-5516 | US 501 (ROXBORO ROAD), SR 1448 (LATTA ROAD) / SR | RIGHT-OF-WAY | FY 2019 - | \$4,341,000 | (NHP) |
| DURHAM | 1639 (INFINITY ROAD) INTERSECTION IN DURHAM. | | FY 2019 - | \$2,000,000 | (L) |
| PROJ.CATEGORY | INTERSECTION IMPROVEMENTS. | CONSTRUCTION | FY 2020 - | \$5,500,000 | (NHP) |
| REGIONAL | <u>TO ALLOW ADDITIONAL TIME FOR DESIGN DELAY</u> | | | \$11,841,000 | |
| | <u>RIGHT-OF-WAY FROM FY 18 TO FY 19 AND</u> | | | | |
| | <u>CONSTRUCTION FROM FY 19 TO 20.</u> | | | | |
| U-5518 | US 70 (GLENWOOD AVENUE), WEST OF SR 3067 (T.W. | UTILITIES | FY 2020 - | \$2,700,000 | (T) |
| WAKE | ALEXANDER DRIVE) TO I-540 IN RALEIGH. UPGRADE | RIGHT-OF-WAY | FY 2020 - | \$14,500,000 | (T) |
| PROJ.CATEGORY | ROADWAY TO IMPROVE CAPACITY, SAFETY AND | CONSTRUCTION | FY 2020 - | \$73,000,000 | (T) |
| STATEWIDE | TRAFFIC OPERATIONS INCLUDING INTERCHANGES AT | | | \$90,200,000 | |
| | VARIOUS LOCATIONS. | | | | |
| | <u>PROJECT BREAKS HAVE BEEN ELIMINATED AND</u> | | | | |
| | <u>COMBINED WITH THIS PROJECT. ACCELERATE</u> | | | | |
| | <u>CONSTRUCTION FROM FY 21 TO FY 20 TO</u> | | | | |
| | <u>ACCOMPLISH SCHEDULE FOR DESIGN BUILD</u> | | | | |
| | <u>DELIVERY.</u> | | | | |

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2018-2027 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 6

| | | | | | |
|---------------|---|--------------|-----------|--------------------|---------|
| * I-5938B | I-74, PAVEMENT REHABILITATION | CONSTRUCTION | FY 2019 - | <u>\$7,000,000</u> | (NHPIM) |
| ROBESON | <u>ACCELERATE CONSTRUCTION FROM FY 22 TO FY 19.</u> | | | \$7,000,000 | |
| PROJ.CATEGORY | | | | | |
| STATEWIDE | | | | | |

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|---------------|---|--------------|-----------|----------------------|-------|
| * I-5987 | I-95, US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40). WIDEN TO EIGHT LANES. | RIGHT-OF-WAY | FY 2022 - | \$16,000,000 | (NHP) |
| CUMBERLAND | | | FY 2023 - | \$16,000,000 | (NHP) |
| ROBESON | <u>ACCELERATE RIGHT-OF-WAY FROM FY 27 TO FY 22.</u> | UTILITIES | FY 2022 - | \$1,000,000 | (NHP) |
| PROJ.CATEGORY | | CONSTRUCTION | POST YR- | <u>\$342,000,000</u> | (NHP) |
| REGIONAL | | | | \$375,000,000 | |

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|---------------|--|--------------|-----------|---------------------|-----|
| U-4414 | SR 1007 (ALL AMERICAN FREEWAY), SR 1151 (OWEN DRIVE) TO NORTH OF SR 1437 (SANTA FE DRIVE). ADD ADDITIONAL LANES. | RIGHT-OF-WAY | FY 2022 - | \$4,600,000 | (T) |
| CUMBERLAND | | UTILITIES | FY 2022 - | \$503,000 | (T) |
| PROJ.CATEGORY | | CONSTRUCTION | FY 2027 - | \$14,733,000 | (T) |
| REGIONAL | <u>RIGHT OF WAY ACCELERATED FROM FY 25 TO FY 22.</u> | | FY 2028 - | \$14,733,000 | (T) |
| | | | FY 2029 - | <u>\$14,734,000</u> | (T) |
| | | | | \$49,303,000 | |

DIVISION 7

| | | | | | |
|---------------|---|--------------|-----------|--------------------|--------|
| B-5713 | WILLOW ROAD, REPLACE BRIDGE 400352 OVER I-40 / BUSINESS 85 IN GREENSBORO. | RIGHT-OF-WAY | FY 2018 - | \$166,000 | (NHPB) |
| GUILFORD | | CONSTRUCTION | FY 2019 - | <u>\$3,318,000</u> | (NHPB) |
| PROJ.CATEGORY | <u>ACCELERATE RIGHT-OF-WAY FROM FY 19 TO FY 18</u> | | | \$3,484,000 | |
| DIVISION | <u>AND CONSTRUCTION FROM FY 20 TO FY 19 BY</u> | | | | |
| | <u>REQUEST OF THE STRUCTURES MANAGEMENT UNIT.</u> | | | | |

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|---------------|---|--------------|-----------|-----------|-------|
| EB-5885 | US 70 (NORTH CHURCH STREET), BEAUMONT AVENUE TO SR 1716 (GRAHAM-HOPEDALE ROAD) IN BURLINGTON. CONSTRUCT SIDEWALK. | ENGINEERING | FY 2018 - | \$12,000 | (TAP) |
| ALAMANCE | | | FY 2018 - | \$3,000 | (L) |
| PROJ.CATEGORY | <u>ACCELERATE ENGINEERING FROM FY 19 TO FY 18</u> | CONSTRUCTION | FY 2020 - | \$82,000 | (TAP) |
| DIVISION | <u>AND CONSTRUCTION FROM FY 21 TO FY 20 TO</u> | | FY 2020 - | \$21,000 | (L) |
| | <u>REFLECT THE CITY'S CURRENT PROJECT DELIVERY SCHEDULE.</u> | | | \$118,000 | |

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2018-2027 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 7

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|---|---|---|-------------------------------------|---|-------------------|
| I-5852A GUILFORD PROJ.CATEGORY STATEWIDE | I-73 / US 421, I-85 TO I-40 <u>ACCELERATE CONSTRUCTION FROM FY 20 TO FY 19 PER REQUEST BY DIVISION OFFICE.</u> | CONSTRUCTION | FY 2019 - | <u>\$13,888,000</u> | (NHPIM) |
| | | | | \$13,888,000 | |
| U-2581B GUILFORD PROJ.CATEGORY DIVISION | US 70, SR 3045 (MOUNT HOPE CHURCH ROAD) TO SR 3056 (ROCK CREEK DAIRY ROAD). WIDEN TO MULTILANES, PART ON NEW LOCATION. <u>PROJECT DIVIDED INTO BREAKS BA, BB AND BC. SEE INDIVIDUAL BREAKS FOR SCHEDULES.</u> | | | | |
| * U-2581BA GUILFORD PROJ.CATEGORY DIVISION | US 70, SR3045 (MOUNT HOPE CHURCH ROAD) TO SR 3175 (BIRCH CREEK ROAD) <u>CREATE PROJECT BREAK BA. ACCELERATE R/W FROM FY 25 TO FY 19 AND CON FROM FY 27 TO FY 20 AT REQUEST OF DIVISION OFFICE TO REFLECT CURRENT PROJECT DELIVERY SCHEDULE.</u> | RIGHT-OF-WAY UTILITIES CONSTRUCTION | FY 2019 - FY 2019 - FY 2020 - | <u>\$1,597,000</u> <u>\$473,000</u> <u>\$6,200,000</u> | (T) (T) (T) |
| | | | | \$8,270,000 | |
| U-2581BB GUILFORD PROJ.CATEGORY DIVISION | US 70, SR 3175 (BIRCH CREEK ROAD) TO SR 3051 (KNOX ROAD) <u>CREATE PROJECT BREAK BB. ACCELERATE R/W FROM FY 25 TO FY 23 AND CON FROM FY 27 TO FY 24 AT REQUEST OF DIVISION OFFICE TO REFLECT CURRENT PROJECT DELIVERY SCHEDULE.</u> | RIGHT-OF-WAY UTILITIES CONSTRUCTION | FY 2023 - FY 2023 - FY 2024 - | <u>\$2,113,000</u> <u>\$626,000</u> <u>\$8,200,000</u> | (T) (T) (T) |
| | | | | \$10,939,000 | |
| U-2581BC GUILFORD PROJ.CATEGORY DIVISION | US 70, SR 3051 (KNOX ROAD) TO SR 3056 (ROCK CREEK DAIRY ROAD) <u>CREATE PROJECT BREAK BC. ACCELERATE R/W FROM FY 25 TO FY 23 AND CON FROM FY 27 TO FY 25 AT REQUEST OF DIVISION OFFICE TO REFLECT CURRENT PROJECT DELIVERY SCHEDULE.</u> | RIGHT-OF-WAY UTILITIES CONSTRUCTION | FY 2023 - FY 2023 - FY 2025 - | <u>\$3,040,000</u> <u>\$901,000</u> <u>\$11,800,000</u> | (T) (T) (T) |
| | | | | \$15,741,000 | |

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2018-2027 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 8

| | | | | | |
|---|---|--------------|-----------|--------------------|-----|
| AV-5816 CHATHAM PROJ.CATEGORY DIVISION | SILER CITY MUNICIPAL AIRPORT (5W8), EXTEND RUNWAY 22 AND PARALLEL TAXIWAY BY 500 FT, INCLUDING RELOCATION OF AIRPORT ROAD <u>TO ALLOW ADDITIONAL TIME FOR DESIGN AND R/W DELAY CONSTRUCTION FROM FY 19 TO FY 21</u> | CONSTRUCTION | FY 2021 - | <u>\$5,660,000</u> | (T) |
| | | | | \$5,660,000 | |

DIVISION 9

| | | | | | |
|---|---|--------------|-----------|-----------|--------|
| * C-4908G ROWAN PROJ.CATEGORY EXEMPT | US 70 (STATESVILLE BOULEVARD), US 601 (JAKE ALEXANDER BOULEVARD) <u>ADD CONSTRUCTION IN FY 18 NOT PREVIOUSLY PROGRAMMED (DELAY FROM FY 16-25 STIP) TO ALLOW TIME FOR THE CITY TO COMPLETE THE R/W PHASE.</u> | CONSTRUCTION | FY 2018 - | \$298,000 | (CMAQ) |
| | | | FY 2018 - | \$75,000 | (L) |
| | | | | \$373,000 | |

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|---|---|--------------|-----------|------------------|--------|
| * C-5216 DAVIDSON PROJ.CATEGORY EXEMPT | SR 3346 (SOUTH MAIN STREET), EXTEND SIDEWALKS ON SOUTH MAIN STREET AND PROVIDE WIDE PAVED SHOULDERS ON ANNA LEWIS DRIVE AND EMERGENCY DRIVE TO PROVIDE BICYCLE ACCESS TO LEXINGTON MEMORIAL HOSPITAL IN LEXINGTON. <u>ADD ENGINEERING IN FY 18 AND CONSTRUCTION IN FY 19 NOT PREVIOUSLY PROGRAMMED (DELAY FROM FY 16-25 STIP) FOR THE CITY TO ADJUST ITS PROJECT DELIVERY SCHEDULE.</u> | ENGINEERING | FY 2018 - | \$107,000 | (CMAQ) |
| | | | FY 2018 - | \$27,000 | (L) |
| | | CONSTRUCTION | FY 2019 - | \$481,000 | (CMAQ) |
| | | | FY 2019 - | <u>\$120,000</u> | (L) |
| | | | | \$735,000 | |

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|---|---|--------------|-----------|-----------------|--------|
| * C-5217 DAVIDSON PROJ.CATEGORY EXEMPT | VARIOUS, BIKE AND PEDESTRIAN IMPROVEMENTS IN VICINITY OF SCHOOL. BISECKER AND MIZE ROADS, PROVIDE WIDE PAVED SHOULDERS AND CONSTRUCT SIDE-WALKS ON CORNELIA STREET AND HILLSIDE DRIVE IN LEXINGTON. <u>ADD CONSTRUCTION IN FY 19 NOT PREVIOUSLY PROGRAMMED (DELAY FROM FY 16-25 STIP) FOR THE CITY TO ADJUST ITS PROJECT DELIVERY SCHEDULE.</u> | CONSTRUCTION | FY 2019 - | \$152,000 | (CMAQ) |
| | | | FY 2019 - | <u>\$38,000</u> | (L) |
| | | | | \$190,000 | |

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|--|--|--------------|-----------|------------------|----------|
| EB-4020C FORSYTH PROJ.CATEGORY TRANSITION | BRUSHY FORK GREENWAY, LOWERY STREET TO REYNOLDS PARK ROAD <u>TO ALLOW ADDITIONAL TIME FOR THE CITY TO COMPLETE DESIGN AND R/W ACQUISITION, DELAY CONSTRUCTION FROM FY 18 TO FY 19</u> | RIGHT-OF-WAY | FY 2018 - | \$20,000 | (STBGDA) |
| | | | FY 2018 - | \$5,000 | (L) |
| | | CONSTRUCTION | FY 2019 - | \$300,000 | (STBGEB) |
| | | | FY 2019 - | \$700,000 | (STBGDA) |
| | | | FY 2019 - | <u>\$175,000</u> | (L) |
| | | | | \$1,200,000 | |

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2018-2027 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 9

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|---------------|--|--------------|-----------|--------------|-----|
| R-5737 | US 29 / US 70 / BUSINESS 85, SR 1798 (OLD GREENSBORO ROAD). CONVERT AT-GRADE INTERSECTION TO INTERCHANGE. | RIGHT-OF-WAY | FY 2019 - | \$700,000 | (T) |
| DAVIDSON | | | FY 2019 - | \$2,900,000 | (O) |
| PROJ.CATEGORY | | CONSTRUCTION | FY 2020 - | \$7,500,000 | (T) |
| DIVISION | <u>TO CORRECTLY MATCH STIP SCHEDULE TO FUNDING SOURCE, DELAY RIGHT OF WAY FROM FY 18 TO FY 19 (NOTE: NO CHANGE IN DELIVERY MILESTONE)</u> | | FY 2021 - | \$7,500,000 | (T) |
| | | | | \$18,600,000 | |

DIVISION 10

| | | | | | |
|---------------|---|--------------|-----------|-----------|-----------|
| * B-5930 | SARDIS LANE, REPLACE BRIDGE 590433 OVER MCALPINE CREEK. | RIGHT-OF-WAY | FY 2018 - | \$50,000 | (STBGOFF) |
| MECKLENBURG | | | FY 2018 - | \$13,000 | (L) |
| PROJ.CATEGORY | <u>TO ALLOW ADDITIONAL TIME TO COMPLETE ENVIRONMENTAL STUDIES AND DESIGN DELAY RIGHT-OF-WAY FROM FY 17 TO FY 18 AND CONSTRUCTION FROM FY 18 TO FY 19</u> | CONSTRUCTION | FY 2019 - | \$625,000 | (STBGOFF) |
| DIVISION | | | FY 2019 - | \$156,000 | (L) |
| | | | | \$844,000 | |

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|---------------|---|--------------|-----------|-------------|--------|
| * C-5537 | CHARLOTTE, BARTON CREEK GREENWAY IN CHARLOTTE. CONSTRUCT A CONNECTOR BETWEEN MALLARD CREEK GREENWAY AND UNIVERSITY PLACE. | CONSTRUCTION | FY 2018 - | \$1,384,000 | (CMAQ) |
| MECKLENBURG | | | FY 2018 - | \$639,000 | (L) |
| PROJ.CATEGORY | <u>MODIFY PROJECT LIMITS AND ADD FUNDS AT REQUEST OF MPO</u> | | | \$2,023,000 | |
| EXEMPT | | | | | |

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|---------------|--|--------------|-----------|-------------|----------|
| EB-5723 | US 74, SR 1520 (INDIAN TRAIL FAIRVIEW ROAD) TO SR 1367 (UNIONVILLE INDIAN TRAIL ROAD). CONSTRUCT A MULTI-USE PATH. SR 1367 (UNIONVILLE INDIAN TRAIL ROAD) TO OAKWOOD LANE. CONSTRUCT A MULTI-USE GREENWAY. | ENGINEERING | FY 2019 - | \$145,000 | (TAP) |
| UNION | | | FY 2019 - | \$36,000 | (L) |
| PROJ.CATEGORY | | RIGHT-OF-WAY | FY 2019 - | \$100,000 | (TAP) |
| DIVISION | <u>ADD PROJECT FUNDS AT REQUEST OF MPO.</u> | | FY 2019 - | \$25,000 | (L) |
| | | CONSTRUCTION | FY 2020 - | \$1,879,000 | (STBGDA) |
| | | | FY 2020 - | \$868,000 | (TAP) |
| | | | FY 2020 - | \$1,000,000 | (TAPDA) |
| | | | FY 2020 - | \$1,020,000 | (L) |
| | | | | \$5,073,000 | |

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|---------------|--|--------------|-----------|-------------|-------|
| * EB-5844 | KANNAPOLIS, LITTLE TEXAS ROAD, LANE STREET TO DALE EARNHARDT BOULEVARD. CONSTRUCT SIDEWALK AND CURB AND GUTTER. | ENGINEERING | FY 2018 - | \$320,000 | (TAP) |
| CABARRUS | | | FY 2018 - | \$80,000 | (L) |
| PROJ.CATEGORY | <u>PE ACCELERATED FROM FY 22 TO FY 18; ROW ACCELERATED FROM FY 23 TO FY 19; CONSTRUCTION ACCELERATED FROM FY 24 TO FY 20 AT THE REQUEST OF THE CITY OF KANNAPOLIS</u> | RIGHT-OF-WAY | FY 2019 - | \$320,000 | (TAP) |
| DIVISION | | | FY 2019 - | \$80,000 | (L) |
| | | CONSTRUCTION | FY 2020 - | \$1,280,000 | (TAP) |
| | | | FY 2020 - | \$320,000 | (L) |
| | | | | \$2,400,000 | |

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2018-2027 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 10

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|---------------|---|--------------|-----------|-------------|----------|
| EB-5929 | CHARLOTTE, BELK GREENWAY CONNECTOR PHASE | ENGINEERING | FY 2018 - | \$97,000 | (STBGDA) |
| MECKLENBURG | ONE. EAST STONEWALL STREET AT SOUTH | | FY 2018 - | \$24,000 | (L) |
| PROJ.CATEGORY | DAVIDSON STREET TO SOUTH KINGS DRIVE. | RIGHT-OF-WAY | FY 2020 - | \$69,000 | (STBGDA) |
| DIVISION | <u>ACCELERATE PRELIMINARY ENGINEERING FROM FY 19 TO FY 18 AT REQUEST OF MPO</u> | | FY 2020 - | \$17,000 | (L) |
| | | CONSTRUCTION | FY 2021 - | \$1,550,000 | (STBGDA) |
| | | | FY 2021 - | \$388,000 | (L) |
| | | | | \$2,145,000 | |

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|---------------|--|--------------|-----------|-------------|---------|
| * I-5769 | I-77, I-277 TO 0.7 MILE NORTH OF NC 27. PAVEMENT REHABILITATION. | CONSTRUCTION | FY 2019 - | \$3,500,000 | (NHPIM) |
| MECKLENBURG | | | | \$3,500,000 | |
| PROJ.CATEGORY | <u>TO AVOID CONFLICTS WITH CURRENT I-77</u> | | | | |
| STATEWIDE | <u>CONSTRUCTION, DELAY CONSTRUCTION FROM FY 17 TO FY 19</u> | | | | |

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|---------------|---|--------------|-----------|-------------|---------|
| I-5837 | I-85, GASTON COUNTY LINE TO 0.7 MILES NORTH OF GASTON COUNTY LINE. PAVEMENT REHABILITATION. | CONSTRUCTION | FY 2019 - | \$1,800,000 | (NHPIM) |
| MECKLENBURG | | | | \$1,800,000 | |
| PROJ.CATEGORY | <u>ACCELERATE CONSTRUCTION FROM FY 20 TO FY 19</u> | | | | |
| STATEWIDE | <u>AT REQUEST OF DIVISION.</u> | | | | |

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|---------------|---|--------------|-----------|--------------|-----|
| * U-5808 | SR 1362 (CHESTNUT LANE CONNECTOR), SR 1367 | RIGHT-OF-WAY | FY 2019 - | \$1,700,000 | (T) |
| UNION | (MATTHEWS INDIAN TRAIL ROAD) TO SR 1368 | UTILITIES | FY 2019 - | \$50,000 | (T) |
| PROJ.CATEGORY | (GRIBBLE ROAD). CONSTRUCT ROAD ON NEW | CONSTRUCTION | FY 2021 - | \$10,000,000 | (T) |
| DIVISION | LOCATION. | | | \$11,750,000 | |
| | <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS</u> | | | | |

DIVISION 11

| | | | | | |
|---------------|--|--------------|-----------|-------------|-----|
| * AV-5859 | MOUNT AIRY - SURRY COUNTY AIRPORT (MWK), | CONSTRUCTION | FY 2019 - | \$2,986,000 | (T) |
| SURRY | CONSTRUCT GENERAL AVIATION APRON AND | | FY 2020 - | \$2,986,000 | (T) |
| PROJ.CATEGORY | AIRCRAFT STORAGE HANGARS. | | | \$5,972,000 | |
| DIVISION | <u>ACCELERATE CONSTRUCTION FROM FY 23 TO FY 19</u> | | | | |
| | <u>PER AVIATION TO BEGIN DESIGN.</u> | | | | |

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2018-2027 STIP

HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 11

| | | | | | |
|---------------|--|--------------|-----------|--------------|-----|
| B-5825 | NC 67, REPLACE BRIDGE 980035 OVER YADKIN RIVER. | RIGHT-OF-WAY | FY 2019 - | \$830,000 | (T) |
| YADKIN | <u>ACCELERATE RIGHT-OF-WAY FROM FY 20 TO FY 19</u> | CONSTRUCTION | FY 2019 - | \$5,500,000 | (T) |
| PROJ.CATEGORY | <u>AND CONSTRUCTION FROM FY 21 TO FY 19</u> | | FY 2020 - | \$5,500,000 | (T) |
| REGIONAL | | | FY 2021 - | \$5,500,000 | (T) |
| | | | | \$17,330,000 | |

DIVISION 12

| | | | | | |
|---------------|--|--------------|-----------|-----------|---------|
| * P-5200D | P & N CORRIDOR REACTIVATION, BELMONT SPUR | RIGHT-OF-WAY | FY 2019 - | \$50,000 | (STPE) |
| GASTON | <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u> | CONSTRUCTION | FY 2019 - | \$850,000 | (STBGE) |
| PROJ.CATEGORY | <u>DESIGN DELAY RIGHT-OF-WAY FROM FY 17 TO FY 19</u> | | | \$900,000 | |
| TRANSITION | <u>AND CONSTRUCTION FROM FY 18 TO FY 19</u> | | | | |

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|---------------|--|--------------|-----------|--------------|-----|
| * U-5821 | NC 279 (NEW HOPE ROAD), SR 2478 (TITMAN ROAD) TO | RIGHT-OF-WAY | FY 2019 - | \$36,400,000 | (T) |
| GASTON | SR 2435 (UNION-NEW HOPE ROAD). WIDEN TO 4- | UTILITIES | FY 2019 - | \$3,300,000 | (T) |
| PROJ.CATEGORY | LANES. | CONSTRUCTION | FY 2021 - | \$8,950,000 | (T) |
| DIVISION | <u>COST INCREASE EXCEEDING \$2 MILLION AND 25%</u> | | FY 2022 - | \$8,950,000 | (T) |
| | <u>THRESHOLDS</u> | | | \$57,600,000 | |

DIVISION 13

| | | | | | |
|---------------|--|-------------|-----------|-----------|----------|
| EB-5822 | NORTH RAD GREENWAY, CONSTRUCT MULTI-USE | ENGINEERING | FY 2019 - | \$240,000 | (STBGDA) |
| BUNCOMBE | PATH ALONG RIVERSIDE DRIVE FROM HILL STREET TO | | FY 2019 - | \$60,000 | (L) |
| PROJ.CATEGORY | US 19/23/70 AT BROADWAY | | | \$300,000 | |
| DIVISION | <u>DELAY PRELIMINARY ENGINEERING FROM FY 18 TO</u> | | | | |
| | <u>FY 19 AT REQUEST OF MPO</u> | | | | |

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|---------------|--|--------------|-----------|--------------|---------|
| * I-5890 | I-40, MILEMARKER 55 TO MILEMARKER 67.5. | CONSTRUCTION | FY 2018 - | \$18,200,000 | (NHPIM) |
| BUNCOMBE | PAVEMENT REHABILITATION. | | | \$18,200,000 | |
| PROJ.CATEGORY | <u>COST INCREASE EXCEEDING \$2 MILLION AND 25%</u> | | | | |
| STATEWIDE | <u>THRESHOLDS</u> | | | | |

* INDICATES FEDERAL AMENDMENT

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HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 14

| | | | | | |
|---------------|--|--------------|-----------|-----------|----------|
| U-5548 | BROWN AVENUE, REALIGNMENT OF BROWN AVENUE | CONSTRUCTION | FY 2019 - | \$400,000 | (STBGDA) |
| HAYWOOD | FROM BOYD AVENUE TO APPROXIMATELY 1200 FEET | | FY 2019 - | \$100,000 | (L) |
| PROJ.CATEGORY | SOUTH OF THE INTERSECTION. PROJECT INCLUDES | | | \$500,000 | |
| DIVISION | CONSTRUCTION OF NEW ROADWAY (SCHOOL STREET), RAISED CROSSWALK, PAINTED CROSSWALKS, REFUGE ISLAND, BULBOUT AND SIGNAGE. | | | | |
| | <u>DELAY CONSTRUCTION FROM FY 18 TO FY 19 AT REQUEST OF MPO</u> | | | | |

STIP DELETIONS

DIVISION 1

| | | | | | |
|---------------|---|--------------|-----------|--------------|-----|
| R-4458 | US 17, SR 1300 (NEW HOPE ROAD). CONVERT AT- | RIGHT-OF-WAY | FY 2023 - | \$2,100,000 | (T) |
| PERQUIMANS | GRADE INTERSECTION TO INTERCHANGE. | UTILITIES | FY 2023 - | \$500,000 | (T) |
| PROJ.CATEGORY | <u>DELETE, WORK TO BE ACCOMPLISHED UNDER</u> | CONSTRUCTION | FY 2025 - | \$9,100,000 | (T) |
| DIVISION | <u>PROJECT R-5869 B.</u> | | | \$11,700,000 | |

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|---------------|---|--------------|-----------|--------------|-----|
| R-4459 | US 17, SR 1336 (HARVEY POINT ROAD) AND SR 1338 | RIGHT-OF-WAY | FY 2024 - | \$3,250,000 | (T) |
| PERQUIMANS | (WAYNE FORK ROAD). CONVERT AT-GRADE | UTILITIES | FY 2024 - | \$500,000 | (T) |
| PROJ.CATEGORY | INTERSECTION TO AN INTERCHANGE. | CONSTRUCTION | FY 2026 - | \$9,100,000 | (T) |
| STATEWIDE | <u>DELETE, WORK TO BE ACCOMPLISHED UNDER</u> | | | \$12,850,000 | |
| | <u>PROJECT R-5869 A.</u> | | | | |

DIVISION 2

| | | | | | |
|----------|---|--------------|-----------|--------------|-----|
| U-5740 | US 70 (ARENDELL STREET), MOREHEAD CITY TO | RIGHT-OF-WAY | FY 2022 - | \$4,728,000 | (T) |
| CARTERET | BEAUFORT CAUSEWAY. WIDEN AND IMPROVE | UTILITIES | FY 2022 - | \$567,000 | (T) |
| | NEWPORT RIVER BRIDGE. | CONSTRUCTION | FY 2022 - | \$2,605,000 | (T) |
| | <u>DELETE, WORK TO BE ACCOMPLISHED UNDER</u> | | FY 2023 - | \$16,501,000 | (T) |
| | <u>PROJECT U-5876.</u> | | FY 2024 - | \$16,501,000 | (T) |
| | | | FY 2025 - | \$16,501,000 | (T) |
| | | | | \$57,403,000 | |

DIVISION 5

| | | | | | |
|---------------|--|--------------|-----------|-------------|-------|
| * EB-5833 | BRYANT BRIDGE NORTH / GOOSE CREEK WEST TRAIL, | ENGINEERING | FY 2018 - | \$230,000 | (TAP) |
| DURHAM | KELLY BRYANT BRIDGE TO DREW-GRANBY PARK IN | | FY 2018 - | \$58,000 | (L) |
| PROJ.CATEGORY | DURHAM. CONSTRUCT SHARED-USE PATH AND | RIGHT-OF-WAY | FY 2020 - | \$3,000 | (TAP) |
| DIVISION | CONNECTING SIDEWALKS. | | FY 2020 - | \$1,000 | (L) |
| | <u>DELETE PROJECT AT THE REQUEST OF MPO. WORK</u> | CONSTRUCTION | FY 2021 - | \$1,990,000 | (TAP) |
| | <u>TO BE ACCOMPLISHED UNDER EB-5720.</u> | | FY 2021 - | \$525,000 | (L) |
| | | | | \$2,807,000 | |

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2018-2027 STIP

HIGHWAY PROGRAM
STIP DELETIONS

DIVISION 5

| | | | | | |
|---------------|--|--------------|-----------|--------------|-----|
| * U-5518A | US 70, WEST OF SR 3067 (T.W. ALEXANDER DRIVE) TO | RIGHT-OF-WAY | FY 2019 - | \$8,700,000 | (T) |
| WAKE | I-540. CORRIDOR UPGRADE. | UTILITIES | FY 2019 - | \$500,000 | (T) |
| PROJ.CATEGORY | <u>DELETE PROJECT BREAK WORK TO BE</u> | CONSTRUCTION | FY 2021 - | \$9,575,000 | (T) |
| STATEWIDE | <u>ACCOMPLISHED UNDER PROJECT U-5518.</u> | | FY 2022 - | \$9,575,000 | (T) |
| | | | FY 2023 - | \$9,575,000 | (T) |
| | | | FY 2024 - | \$9,575,000 | (T) |
| | | | | \$47,500,000 | |

| | | | | | |
|---------------|---|--------------|-----------|--------------|-----|
| * U-5518B | US 70, SR 3067 (T. W. ALEXANDER DRIVE). CONVERT | RIGHT-OF-WAY | FY 2019 - | \$5,700,000 | (T) |
| WAKE | AT-GRADE INTERSECTION TO INTERCHANGE. | UTILITIES | FY 2019 - | \$2,200,000 | (T) |
| PROJ.CATEGORY | <u>DELETE PROJECT BREAK WORK TO BE</u> | CONSTRUCTION | FY 2021 - | \$5,350,000 | (T) |
| STATEWIDE | <u>ACCOMPLISHED UNDER PROJECT U-5518.</u> | | FY 2022 - | \$5,350,000 | (T) |
| | | | FY 2023 - | \$5,350,000 | (T) |
| | | | FY 2024 - | \$5,350,000 | (T) |
| | | | | \$29,300,000 | |

| | | | | | |
|---------------|---|--------------|-----------|--------------|-----|
| * U-5518C | US 70, SR 3100-SR 3109 (BRIER CREEK PARKWAY) IN | RIGHT-OF-WAY | FY 2019 - | \$100,000 | (T) |
| WAKE | RALEIGH. CONVERT AT-GRADE INTERSECTION TO | CONSTRUCTION | FY 2021 - | \$4,434,000 | (T) |
| PROJ.CATEGORY | INTERCHANGE. | | FY 2022 - | \$4,433,000 | (T) |
| STATEWIDE | <u>DELETE PROJECT BREAK WORK TO BE</u> | | FY 2023 - | \$4,433,000 | (T) |
| | <u>ACCOMPLISHED UNDER PROJECT U-5518.</u> | | | \$13,400,000 | |

DIVISION 8

| | | | | | |
|---------------|---|--------------|-----------|-------------|-----|
| * R-2807 | NC 73, NC 211 TO PROPOSED NC 211 BYPASS OF | RIGHT-OF-WAY | FY 2020 - | \$800,000 | (T) |
| MOORE | WEST END. RELOCATE PORTION OF NC 73 TO | UTILITIES | FY 2020 - | \$100,000 | (T) |
| PROJ.CATEGORY | ELIMINATE OFFSET INTERSECTIONS IN WEST END. | CONSTRUCTION | FY 2022 - | \$2,200,000 | (T) |
| DIVISION | <u>DELETE PROJECT AT THE REQUEST OF DIVISION.</u> | | | \$3,100,000 | |
| | <u>WORK TO BE ACCOMPLISHED UNDER R-5726.</u> | | | | |

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2018-2027 STIP

HIGHWAY PROGRAM

ITEM N SUMMARY

| | | |
|---------------|-------------|---------------|
| ADDITIONS | 5 PROJECTS | \$204,800,000 |
| MODIFICATIONS | 46 PROJECTS | |
| DELETIONS | 8 PROJECTS | \$178,060,000 |
| | 59 PROJECTS | \$26,740,000 |

* INDICATES FEDERAL AMENDMENT

Thursday, April 05, 2018

NCDOT April 5, 2018 Board of Transportation Agenda

SUMMARY: There are a total of 47 agreements for approval by the Board of Transportation.

Statewide

| | |
|---|--|
| U.S. Forest Service U.S. Department of Agriculture | This Agreement with the U.S. Forest Service to continue funding for reimbursement of costs for work performed by USFS staff, primarily the existing NCDOT-USFS liaison working on NCDOT projects not covered by the Category 5 Master or the Category 6 Major Cost Recovery Agreements. The work covered by this agreement includes work that is not project specific or that occurs on projects prior to the identification of detailed study alternatives (for Merger projects) or prior to scope definition (other projects). The Department shall reimburse the U.S. Forest Service an amount not to exceed a maximum of \$330,000 for the five (5)-year period. |
|---|--|

Division 1

| | |
|---|---|
| North Carolina Department of Environmental Quality Dare (NCDEQ) Dare County B-2500 32635.3.5 | This Project consists of dredging the navigation channel at Oregon Inlet to remediate the accumulated sand to achieve 12' depth west of construction adjacent to bents 27 to 32 in accordance with Navigation Aids 19 to 21A, at the Herbert C. Bonner Bridge. NCDEQ, at the request of the Department, has agreed to have the required dredging performed by the US Army Corps of Engineers subject to reimbursement by the Department. This Supplemental Agreement is to increase the Departments funding participation for the Project. The Departments original participation was \$300,000. The Department agrees to participate in additional cost of dredging in the amount of \$1,000,000. The total estimated cost is \$1,300,000. |
|---|---|

Division 2

| | |
|--|--|
| USDA, Forest Service , National Forests in North Carolina, Croatan National Forest Craven County R-1015 | This Agreement provides for payment of processing and monitoring fees associated with the Havelock Bypass (US 70) authorized use and occupancy of National Forest System lands encroaching upon the Croatan Ranger District, Croatan National Forest, in Craven County. The Department will pay a processing fee of up to \$130,386.00 and a monitoring fee of up to \$138,019.00 for USFS cost recovery and services provided for the Havelock Bypass (US 70) for the five (5) year period. |
|--|--|

NCDOT April 5, 2018 Board of Transportation Agenda

Division 3

New Hanover County
U-4902D
40238.1.4
40238.2.4
40238.3.4
40238.3.5

This Project consists of roadway improvements on US 17 Business (Market Street) from Lendire Road to SR 2734 (Marsh Oaks Drive). The Department shall prepare the environmental and/or planning document, Project plans and specifications, construct the Project, and acquire any needed right of way. The County shall relocate and adjust any publically-owned utilities. At the request of the County, the Department shall include in its contract the construction of sidewalk and multi-use path along US 17 (Market Street) from Middle Sound Loop Road to Marsh Oaks Drive. The County shall reimburse the Department 50% of the actual cost of the work for sidewalk, and the first 5' of multi-use path, 100% of the second 5' of multi-use path and 100% of right of way cost for the multi-use path. The estimated reimbursement from the County is \$675,372.86.

City of Jacksonville
Onslow County
U-5319
45433.1.1
45433.2.1
45433.3.1

This Project consists of roadway improvement on SR 1308 (Gum Branch Road) at the intersection of NC 53 (Western Boulevard). The Department shall prepare the environmental and/or planning document, Project plans and specifications, construct the Project, and acquire any needed right of way. The Municipality shall relocate and adjust any municipally-owned utilities. At the request of the Municipality, the Department shall include in its contract the construction of sidewalk along SR 1308 (Gum Branch Road) at the intersection of NC 53 (Western Boulevard). The Municipality shall reimburse the Department 40% of the actual cost of the sidewalk work and 100% for powder coated mast arms and pedestals. The estimated reimbursement from the Municipality is \$8,355.42.

Brunswick County
SS-4903BR
44315.3.1

This Project consists of highway improvements at Highway 179 at Highway 904/SR 1184 in Ocean Isle Beach. At the request of the County, the Department shall include provisions in the construction contract for the contractor to adjust and/or relocate sewer lines. The County shall reimburse the Department the entire cost of said utility work. The estimated reimbursement from the County is \$139,050.00.

Division 4

North Carolina Department of
Environmental Quality
Edgecombe County
R-5868
47802.1.1

This Project consists of erosion control plan review for the Kingsboro Megasite (Triangle Tyre) in Edgecombe County. The Agency shall be responsible for all phases of the Project. The Department shall participate in actual costs in an amount not to exceed \$18,850.

April 5, 2018

NCDOT April 5, 2018 Board of Transportation Agenda

Division 4, cont.

Town of Spring Hope
Nash County
R-5784AA
44914.3.8

This Project consists of the construction of ADA acceptable ramps on State Routes within the Municipality. This Supplemental Agreement extends the Project scope to include two additional intersections. The Municipality shall assume maintenance upon Project completion.

Division 5

NC Department of Natural and
Cultural Resources
Museum of Art (NCMA)
Wake County
U-2719
35869.1.2

The Project consists of widening I-440 from Walnut Street in Cary to Wade Avenue in Raleigh. This Agreement is to obtain a US Department of Transportation Section 4(f) de minimus for project impacts to the NCMA campus. The Department shall participate in cost up to a maximum of \$775,000, as mitigation for project impacts.

Town of Cary
Wake County
EB-5894
47291.3.1

This Project consists of construction of the Black Creek Greenway from W. Dynasty Drive to Old Reedy Creek Road in Cary. The Municipality is responsible for all phases of the Project. The Department shall reimburse 80% of eligible expenses up to a maximum amount of \$4,000,000. The Municipality shall provide the 20% local match (\$1,000,000) and all costs that exceed the total available funding.

Town of Cary
Wake County
EB-5893
47290.1.1
47290.2.1
47290.3.1

This Project consists of construction of the Swift Creek Greenway from Lake Pine Drive to Koka Booth Amphitheater in Cary. The Municipality is responsible for all phases of the Project. The Department shall reimburse 80% of eligible expenses up to a maximum amount of \$12,240,000. The Municipality shall provide the 20% local match (\$3,060,000) and all costs that exceed the total available funding.

Town of Cary GoTriangle
Wake County
I-5506
43608.1.1
43608.2.2
43608.3.3

This Project consists of additional sidewalk and curb improvements at the I-40 and SR 1002 (Aviation Parkway) interchange. The Department will construct the Project. GoTriangle shall reimburse the Department 50% of the actual cost of the work. The estimated cost is \$5,616. Based on the estimated cost, GoTriangle shall submit a check for \$2,808 upon partial execution of the 3-party agreement. The Town of Cary will maintain the sidewalk upon completion of the Project.

GoTriangle
Durham County
36249.3543

This Project consists of plan review for the Durham-Orange Light Rail Project. This Supplemental Agreement is to expand the scope of work from preliminary to final design review and to increase funding for the Project. The Department will participate in review of the final design documents. The estimated additional cost to GoTriangle is \$30,000.

April 5, 2018

NCDOT April 5, 2018 Board of Transportation Agenda

Division 5, cont.

City of Durham
Durham County
EB-5720
50416.1.2
50416.2.1
50416.3.1

This Project consists of construction of an urban bicycle and pedestrian trail beginning at the southern end of the Kelly Bryant Bridge on NC Hwy 147 (Durham Freeway) and ending on Dakota Street at NC 55 at the existing Rocky Creek Trail in Durham. This Supplemental Agreement is to expand the scope to include construction of the Goose Creek West Multi-Use Trail from NC 55 to the south end of the Kelly Bryant Bridge and then from the north end of the Kelly Bryant Bridge to Drew-Granby Park, including connecting sidewalks. The funding will also be increased to accommodate the additional work. The Department shall reimburse 80% up to a maximum amount of \$3,989,621 in TAP funds. The Municipality shall provide the non-federal 20% match (\$997,405) and all costs that exceed the total available funding.

CSX Transportation, Inc.
(CSXT)
Wake County
P-5720
46932.1.1
46932.2.1
46932.3.1

This Agreement provides for the permanent closure of the at-grade railroad crossing of Durant Road (SR 2006, Crossing # 630 601X, milepost S 147.36). CSXT shall perform all work within the railroad right-of-way. The Department shall perform all work outside of the railroad right-of-way. The at-grade railroad crossing will be closed upon the completion of a roadway-bridge grade separation, which will be executed under a separate agreement between CSXT and the Department. The total estimated cost of the overall project (crossing and grade separation) is \$11,000,000.

CSX Transportation, Inc.
(CSXT)
Wake County
P-5715
46927.1.1
46927.2.1
46927.3.1

This Agreement provides for the permanent closure of the at-grade railroad crossing of New Hope Church Road (SR 2034, Crossing # 630 607N, milepost S 1152.32). CSXT shall perform all work within the railroad right-of-way. The Department shall perform all work outside of the railroad right-of-way. The at-grade railroad crossing will be closed upon the completion of a roadway-bridge grade separation, which will be executed under a separate agreement between CSXT and the Department. The total estimated cost of the overall project (crossing and grade separation) is \$10,700,000.

Division 6

City of Fayetteville Public
Works Commission
Cumberland County
W-5601CD
50138.3.83

This Project consists of constructing left over medians, bulb outs and drainage on Eastern Boulevard (US 301 and I-95 Business) from Brock Street to SR 1006 (Person Street). At the request of the Agency, the Department shall include provisions in the construction contract for the contractor to remove and replace manholes and valve boxes. The Agency shall reimburse the Department the entire cost of said utility work. The estimated reimbursement from the Agency is \$20,000.

April 5, 2018

NCDOT April 5, 2018 Board of Transportation Agenda

Division 7

City of Greensboro
Guilford County
U-5306A
47026.2.2
47026.3.F2

This Project consists of improving the approach to the Battleground-Benjamin-Cone Intersection. This Supplemental Agreement is to provide additional funding and extend the completion date. The Department's original participation was \$2,650,000. The Department agrees to reimburse the Municipality an additional \$1,400,000 of NHP funds and \$350,000 State match. The Municipality shall complete all work outlined in the Agreement by 12/31/2018 in lieu of 2/4/2018.

City of Greensboro
Guilford County
U-5306C
47026.2.F4
47026.3.F4

This Project consists of improving the approach to the Battleground-New Garden Intersection. This Supplemental Agreement is to provide additional funding and extend the completion date. The Department's original participation was \$1,220,000. The Department agrees to reimburse the Municipality an additional \$288,000 of NHP funds and \$72,000 State match. The Municipality shall complete all work outlined in the Agreement by 12/31/2018 in lieu of 11/9/2018.

City of High Point
Guilford County
C-5609E
43731.2.2
43731.3.4

This Project consists of construction of sidewalk, curb ramps for wheelchair accessibility and bus pads that will create a walking alternative for residential neighborhoods to access transit connections at Oakview Elementary and Oakview Recreational Center in High Point. The Municipality is responsible for all aspects of the Project. The Department shall reimburse 80% of eligible expenses up to a maximum amount of \$197,600 in TAP funds. The Municipality shall provide the 20% non-federal match (\$49,400) and all costs that exceed the total available funding.

City of Burlington
Alamance County
EB-5879
47274.1.1
47274.2.1
47274.3.1

This Project consists of construction of sidewalk improvements, driveway aprons, and curb ramps located on N. Church Street between Sellars Mill Road and N. Graham-Hopedale Road in Burlington. The Municipality is responsible for all phases of the project. The total estimated cost is \$110,000. The Department shall reimburse 80% of eligible expenses incurred by the Municipality up to a maximum amount of \$88,000 in TAP funds. The Municipality shall provide the local 20% match (\$22,000) and all costs that exceed the available funding.

City of Burlington
Alamance County
EB-5885
47281.1.1
47281.3.1

This Projects consists of construction of sidewalk along N Church St (US Highway 70) from Beaumont Avenue to Graham Hopedale Road including new ADA ramps and ADA ramp improvements at all intersections in Burlington. The Municipality is responsible for all aspects of the Project. The Department shall reimburse 80% up to a maximum amount of \$94,400 in TAP funds. The Municipality shall provide the non-federal 20% match (\$23,600) and all costs that exceed the total available funding.

April 5, 2018

NCDOT April 5, 2018 Board of Transportation Agenda

Division 7, cont.

Town of Jamestown
Guilford County
U-2412A
34802.3.3

This Project consists of improvements on SR 4121 (Greensboro/High Point Road) from I-74/US 311 to west of SR 4228 (Vickery Chapel Road) in Jamestown. At the request of the Municipality, construction will include a sidewalk in the municipal limits on one side of Oakdale Road in Jamestown. The estimated cost of the sidewalk is \$10,868. The Municipality will reimburse the Department 20% of the cost. The estimated cost to the Municipality is \$2,174.

City of High Point
Guilford County
U-2412A
34802.2.2
34802.2.6
34802.3.3

This Project consists of improvements on SR 4121 (Greensboro/High Point Road) from I-74/US 311 to west of SR 4228 (Vickery Chapel Road) in High Point. The Department shall prepare the environmental documents, plans and specifications, acquire any needed right of way, and construct the Project. The Municipality shall relocate and adjust any municipally-owned utilities.

City of High Point
Guilford County
U-2412A
34802.2.2

This Project consists of improvements on SR 4121 (Greensboro/High Point Road) from I-74/US 311 to west of SR 4228 (Vickery Chapel Road) in High Point. This Utility Preliminary Engineering Agreement is for PE design prior to the relocation of municipal water and sewer lines. The Municipality shall reimburse the Department a fixed amount for the work, \$26,106.37.

City of High Point
Guilford County
U-2412A
34802.3.3

This Project consists of improvements on SR 4121 (Greensboro/High Point Road) from I-74/US 311 to west of SR 4228 (Vickery Chapel Road) in High Point. This Utility Construction Agreement is to adjust and/or relocate municipally-owned water and sewer lines. The Municipality shall reimburse the Department the entire cost of said utility work. The estimated reimbursement from the Municipality is \$205,411.

Division 8

City of Asheboro
Randolph County
EB-5862
47318.1.1
47318.3.1

This Project consists of constructing sidewalk on the south side of Industrial Park Avenue from Randolph Community College entrance to the Continuing Education and Industrial Center in Asheboro. The Municipality is responsible for all aspects of the Project. The Department shall reimburse 80% of eligible expenses up to a maximum amount of \$174,000 in TAP funds. The Municipality shall provide the 20% non-federal match (\$43,000) and all costs that exceed the total available funding.

NCDOT April 5, 2018 Board of Transportation Agenda

Division 8, cont.

Mountaire Farms Inc.
CSX Transportation, Inc.
(CSXT), Laurinburg-Maxton
Airport Commission
Scotland County
P-5724
80000.3.1.14
47371.3.1

This Rail Industrial Access and Construction Agreement provides for the approval of Freight Rail and Rail Crossing Safety Improvement (FRRCSI) and Strategic Transportation Investments (STI) funding to assist the Industry with the upgrade of 8,621 feet of rail industrial lead track from the CSXT SE line milepost 274.68, along Airport Road (SR 1434) to near Luter Road (SR 1437) and the construction of a 16,832 foot loop track off the rail spur to serve a proposed feed mill located near the Town of Maxton. In addition, the project will include a new at-grade crossing on Airport Road (SR 1434), the rehabilitation of two (2) at-grade crossings and the installation of crossing warning devices. The Industry, CSXT, and the Commission will be responsible for performing the work. The Department will participate in the project up to \$1,490,809. The estimated cost of the project is \$9,282,133. Due to a change in the Parties to the Agreement, this Board Agenda Item supersedes the agenda item that was presented and approved at the December 2017 Board of Transportation Meeting.

Divisions 8 and 10

USDA, Forest Service
(US Forest Service)
Montgomery and Stanly
Counties

This Agreement is to relocate and provide permanent habitat for three populations of the federally endangered plant species, Schweinitz's sunflower, to the Uwharrie Ranger District. The Department will assist with annual monitoring of the transplant sites until December 2018 and provide a maximum amount of \$14,270.

Town of Southern Pines
Moore County
W-5708B
44854.3.2

This Project consists of intersection improvements at the Intersection of NC 2 (Midland Rd) & NC 22 (Central Drive) in Southern Pines. This Utility Construction Agreement is for adjustment and relocation of municipal water and sewer lines. The Municipality shall reimburse the Department 100% of the cost of the work, estimated to be \$92,197.91.

Division 9

Winston-Salem City/County
Utilities
Forsyth County
R-2247CD & EC
34409.3.23

This Project consists of reconstruction of interchanges on the Winston-Salem Northern Beltway at the US 52/Future I-74 Interchange with NC 65 and the US 421 Interchange with SR 1891/Peace Haven Road. This Utility Construction Agreement is for adjustment and relocation of municipal water lines. The Municipality shall reimburse the Department a fixed amount for the work, \$400,602.

NCDOT April 5, 2018 Board of Transportation Agenda

Division 9, cont.

Village of Clemmons
Forsyth County
C-5620E
43740.3.5

This Project consists of construction of approximately 1,200 linear feet of sidewalks with stamped crosswalk and pedestrian signalization along Market Center Drive in Clemmons. The Municipality is responsible for all aspects of the work. The Department shall reimburse 80% of eligible expenses up to a maximum amount of \$320,000 in CMAQ funds. The Municipality shall provide the 20% non-federal match (\$80,000) and all costs that exceed the total available funding.

City of Salisbury
Rowan County
C-5603H
43713.1.8
43713.2.8
43713.3.8

This Project consists of installation of approximately 3,000 linear feet of sidewalk to include necessary drainage and curb and gutter along Brenner Avenue from Statesville Boulevard (near Catawba College) W. Horah Street (near Livingstone College); and the addition of left turn lanes at the intersection of Brenner Avenue and Link Avenue at the VA Hospital entrance in Salisbury. The Municipality is responsible for all aspects of the work. The Department shall reimburse 80% of eligible expenses up to a maximum amount of \$608,000 in CMAQ funds. The Municipality shall provide the 20% non-federal match (\$152,000) and all costs that exceed the total available funding.

Piedmont Authority for
Regional Transportation
Forsyth County
U-2827BC
34872.3.8

This Project is for the rehabilitation and reconstruction of Business I-40 through downtown Winston-Salem. This Agreement is for enhanced transit services to alleviate congestion and improve access in the area through the life of the Project. The Agency will provide all enhanced services and the Department will reimburse the Agency up to \$5,404,000 (\$4,323,200 NHPP funds and \$1,080,800 State funds) for eligible costs.

City of Winston-Salem
Forsyth County
U-2827BC
34872.3.8

This Project is for the rehabilitation and reconstruction of Business I-40 through downtown Winston-Salem. This Agreement is for enhanced transit services to alleviate congestion and improve access in the area through the life of the Project. The Municipality will provide all enhanced services and the Department will reimburse the Municipality up to \$9,470,240 (\$7,576,192 NHPP funds and \$1,894,048 State funds) for eligible costs.

NCDOT April 5, 2018 Board of Transportation Agenda

Division 10

Norfolk Southern Railway
Company (NS)
North Carolina Railroad
Company (NCRR)
Hazeline H. Stroup, et. Al.
Mecklenburg County
Y-5500JA
80000.2.1.4

This Rail Agreement consists of the permanent closure of the private at-grade crossing that serves the Stroup property (Crossing # 715 338M, milepost Main 367.00), which crosses the main line track of NS, and is within the NCRR Corridor. The Department will perform all work not on railroad right of way. NS/NCRR will perform all work within their right-of-way. As mitigation for the closure, the Department shall construct an alternate access road from Caldwell Park Drive to the Stroup property. The total estimated cost for Project Y-5500JA to the Department \$900,000.

Norfolk Southern Railway
Company (NS)
North Carolina Railroad
Company (NCRR)
Elma Cochrane et. al.
Mecklenburg County
Y-5500JA
80000.2.1.4

This Rail Agreement consists of the permanent closure of the private at-grade crossings that serves the Cochrane property (Crossing # 715 336Y, milepost Main 366.61), which crosses the main line track of NS, and is within the NCRR corridor. The Department will perform all work not on railroad right-of-way. NS/NCRR will perform all work within their right-of-way. As mitigation for the closure, the Department shall construct an alternate access road from Caldwell Park Drive to the Cochrane property. The total estimated cost for Project Y-5500JA to the Department is \$900,000.

City of Charlotte
Mecklenburg County
SS-4910DA
47680.3.1

This Project consists of the installation of 2 traffic signals on I-77 Southbound at LaSalle Street and Fifth Street. The Municipality is responsible for all phases of the project. The Department shall participate in the construction costs of the project up to a maximum amount of \$214,000.

City of Kannapolis
Cabarrus County
C-5603F
43713.1.6
43713.2.6
43713.3.6

This Project consists of construction of sidewalk, curb and gutter and associated storm drainage along the north side of Bethpage Road from South Main Street to existing sidewalk at Leonard Avenue and along the south side of Bethpage Road from Westgreen Drive to Klondale Avenue in Kannapolis. The Municipality is responsible for all phases of the project. The Department shall reimburse 80% of eligible expenses from CMAQ funds allocation, not to exceed \$648,000. The City shall provide a 20% (\$162,000) non-federal match and all costs that exceed the total estimated cost of \$810,000.

Union County
W-5601AC
50138.3.30

This Project consists of improvements on NC 75 (Waxhaw Highway) and SR 1007 (Rocky River Road)/SR 1150 (Old Waxhaw Monroe Road) near Monroe. At the request of the County, the Department shall include provisions in the construction contract for the contractor to adjust and/or relocate municipally-owned water lines. The County shall reimburse the Department the entire cost of said utility work. The estimated reimbursement from the County is \$66,000.

April 5, 2018

NCDOT April 5, 2018 Board of Transportation Agenda

Division 10, cont.

Town of Indian Trail
Union County
EB-5931
47696.3.1

This Project consists of complete street along North Indian Trail Road from South Fork Road to Liberty Lane. The Municipality is responsible for the project. The Department shall reimburse 80% of eligible expenses from STBGDA funds allocation, not to exceed \$2,510,000. The Municipality shall provide the 20% non-federal match (\$627,500) and all costs that exceed the total estimated cost of \$3,137,500.

Town of Indian Trail
Union County
EB-5723
50419.1.2
50419.2.1
50419.3.1

This Project consists of construction of a multi-use path on US 74 from SR 1520 (Indian Trail Fairview Road) to SR 1367 (Unionville Indian Trail Road) and from SR 1367 (Unionville Indian Trail Road) to Oakwood Lane. The Municipality is responsible for all phases of the project. The Department shall reimburse 80% of eligible expenses from TAP funds allocation, not to exceed \$1,113,000 and shall also reimburse 80% of eligible expenses from STBGDA funds allocation, not to exceed \$1,879,000, for a total maximum reimbursement of \$2,992,000. The Municipality shall provide the 20% non-federal match (\$748,000) and all costs that exceed the total estimated cost of \$3,740,000.

Division 13

City of Asheville
Buncombe County
EB-5830
46998.1.1

This Project consists of bicycle, pedestrian, streetscaping and safety improvements on South Lexington Avenue between Patton Avenue and Southside Avenue in Asheville. The City is responsible for the project. The Department shall reimburse 80% of eligible expenses from STBGDA funds allocation, not to exceed \$540,000. The City shall provide the 20% non-federal match (\$135,000) and all costs that exceed the total estimated cost of \$675,000.

City of Asheville
Buncombe County
EB-5831
46999.1.1

This Project consists of bicycle, pedestrian, streetscaping and safety improvements along Coxe Avenue between Patton Avenue and Short Coxe Avenue. The City is responsible for the project. The Department shall reimburse 80% of eligible expenses from STBGDA funds allocation, not to exceed \$420,000. The City shall provide the 20% non-federal match (\$105,000) and all costs that exceed the total estimated cost of \$525,000.

NCDOT April 5, 2018 Board of Transportation Agenda

Division 14

Town of Maggie Valley
Haywood County
EB-5926
47631.1.1
47631.3.1

This Project consists of the construction of bicycle and pedestrian improvements along US 19 from US 276 to Fie Top Road in Maggie Valley. The Department is responsible for all phases of the Project. The Department will provide \$1,580,000 in federal funds. The Municipality will provide the 20% non-federal match (\$395,000) to the federal funds authorized and all costs that exceed the total available funding of \$1,975,000.

City of Hendersonville
Henderson County
U-5105
41903.3.3

This Project consists of intersection improvements on NC 225 from SR 1164 (Erkwood Drive) to SR 1779 (Shepherd Street) in Hendersonville. The Department shall prepare the environmental/planning document, Project plans and specifications acquire any needed right of way and construct the Project. The Municipality shall relocate and adjust any municipally-owned utilities. At the request of the Municipality, the Department shall include in its contract the construction of sidewalk along NC 225 from SR 1164 (Erkwood Drive) to SR 1779 (Shepherd Street). The Municipality shall reimburse the Department 20% of the actual cost of the work. The estimated reimbursement from the Municipality is \$3,670.

Land of Sky Regional Council
Haywood County
C-5612C
43734.4.1

This Project consists of implementing a comprehensive regional education and outreach program on clean transportation options to reduce mobile source emissions in the Smoky Mountain Region. The Agency is responsible for the project. The Department shall reimburse 80% of eligible expenses from CMAQ funds allocation not to exceed \$80,000. The Agency shall provide the 20% (\$20,000) non-federal match and all costs that exceed the total estimated cost of \$100,000.

NCDOT April 5, 2018 Board of Transportation Agenda

SUMMARY: There are a total of 12 agreements for informational purposes only

Division 1

NC Division of Environmental
Quality
Hyde County

This Project is to allow the Division of Marine Fisheries, a branch of the Agency, to install a pier at the Swan Quarter Ferry Terminal, at no expense or liability to the Department, for the loading of oyster shells. The Agency shall perform all work and assume all maintenance.

Town of Nags Head
Dare County
36249.3888

This Project consists of the installation of presence detecting, edge lit, pedestrian warning flashers on US 64 at the Melvin R. Daniels Bridge. The Department shall be responsible for all phases of the Project. The Municipality shall reimburse the Department \$10,000 (50%) of the cost of the work performed by the Department. The total estimated Project cost is \$20,000.

Pasquotank County
36249.3887

This Project consists of the installation of a fire signal at Providence Volunteer Fire Department on US 17. The Department shall be responsible for all phases of the Project. The County shall reimburse the Department 100% of the cost of the work performed by the Department. The estimated reimbursement from the County is \$30,000.

Division 2

Ruedebsch Development and
Construction, Inc.
36249.3886

This Project consists of review and inspection of a traffic signal upgrade at the intersection of Old Creek Road at US 264. The Developer shall reimburse the Department 100% of the cost of the Department's review and inspection of the signals. The estimated reimbursement is \$10,000.

Division 3

City of Jacksonville
Onslow County
44721

This Project consists of repair work on Carolina Forest Boulevard (non-system). This Supplemental Agreement is to extend the completion date for the Project to 4/12/2019, in lieu of 4/12/18.

Division 6

Town of Elizabethtown
Bladen County
36244.4.7.1

This Project consists of repaving of the Curtis L. Brown Jr. Field airport terminal parking lot. The Municipality shall be responsible for all phases of the Project. The Department shall participate in actual costs in an amount not to exceed \$35,000. Costs which exceed this amount shall be borne by the Municipality.

April 5, 2018

NCDOT April 5, 2018 Board of Transportation Agenda

Division 6, cont.

City of Fayetteville
Cumberland County
U-4444AB(L)
36492.3.FS5

This Project consists of landscaping on NC 87/NC 210 (Murchison Road) from north of SR 1613 (Honeycutt Road) to north of NC 24-87-210. The Project will include landscape plantings and irrigation system. The Department shall develop the landscape design, prepare plans and site and install the plantings and irrigation system. The Municipality shall reimburse the Department 100% for the irrigation system installation. The estimated reimbursement is \$163,664.64.

Division 7

Aldi, Inc.
Guilford County
36249.3880

This Project consists of traffic signal modifications at the intersection of SR 1009 (S. Main St.) and Plaza Lane/South Main Center. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% of the actual cost of all work performed by the Department. The estimated cost is \$5,000.

City of Burlington
Alamance County
N/A

This Agreement is to define the roles and responsibilities with respect to the NCDOT's conveyance to Burlington of a single underground conduit located in the right-of-way along the I-40 interstate between Exit 140 (University Drive) and Exit 132 (Mount Hope Church Road). The Municipality will install fiber optic cables. No funding is involved.

Division 9

Town of Spencer
Rowan County
44793

This Project consists of drainage improvements on Fourth Street between US 29 (Salisbury Avenue) and Iredell Avenue in the Town of Spencer. This Supplemental Agreement is to extend the completion date to 4/12/2019 in lieu of 4/12/2018.

Division 10

City of Charlotte
Mecklenburg County
C-5540
51010.1.1
51010.2.F1
51010.3.3

This Project consists of construction of sidewalk on the north side of Nevin Road from Alpine Drive to Gibbon Road; on the south side of Gibbon Road from Nevin Road to West Sugar Creek Road and the east side of West Sugar Creek Road between Bisaner Street and Mallard Creek Road. This Supplemental Agreement extends the completion date to December 31, 2018 in lieu of March 27, 2018.

NCDOT April 5, 2018 Board of Transportation Agenda

Division 14

Polk County
R-5867
47847.3.1

This Project consists of the construction of 2 bridges on US 74 west of Exit 170 to allow traffic to gain access to the equestrian center using a new road underneath US 74. The County shall participate in the cost of the project in the amount of \$500,000. The estimated cost of the project is \$5,750,000.

NCDOT April 5, 2018 Board of Transportation Agenda

Statewide

National Railroad
Passenger Corporation
(Amtrak)
Wake County
P-2918
42801.3.F2

This Rail agreement provides for supplemental funding for Federal Fiscal Year 2018 to Amtrak for the operation of an additional Piedmont passenger service (new trains 77 and 78) between Raleigh and Charlotte. The terms of Amtrak's operating agreement with the Department approved September 7, 2017 will continue. This agreement also includes costs related to Amtrak's training of engineers and conductors to operate the additional trains. The estimated additional cost to the Department for the period ending September 30, 2018 is \$558,893.75.

NCDOT April Board of Transportation Agenda

Approval of Municipal Street System Changes

Deletions to the State Highway System

| Division | County | Municipality | Road | Termini | Length |
|-----------------|-----------------------------|-------------------------------|------------------------------|--|---------------|
| 3 | Brunswick 2018_04_M001 | Town of Carolina Shores | Medical Park Way | To add Medical Park Way located in the South Brunswick Medical Park. | 0.157 |
| 3 | Brunswick 2018_04_M001 | Town of Carolina Shores | Emerson Bay Road | To add Emerson Bay Road located in the South Brunswick Medical Park. | 0.097 |
| 13 | Rutherford 2018_04_M001 | Town of Lake Lure | Flowering Bridge Drive | To add Flowering Bridge Drive in the Town of Lake Lure | 0.029 |
| 10 | Mecklenburg 2018_04_M001 | City of Charlotte | Beatties Ford Road | To add Beatties Ford Road in the City of Charlotte (*Note – This is a correction from Item G March 2018) | 1.530 |
| 6 | Cumberland 2018_04_M001 | Town of Eastover | Ballpark Road | To add Ballpark Road in the Town of Eastover | 0.260 |

Total Miles= 2.073 Miles

NCDOT April Board of Transportation Agenda
Approval of Municipal Street System Changes
Additions to the State Highway System

| Division | County | Municipality | Road | Termini | Length |
|-----------------|-----------------------|----------------------|-----------------|--|---------------|
| 13 | Burke 2018_04_M001 | City of Morganton | Avery Avenue | To delete Avery Avenue in the City of Morganton | 0.120 |

NCDOT April 2018 Board of Transportation Agenda

| <u>No.</u> | | <u>Enacted Page No.</u> |
|-------------------|--|------------------------------------|
| 1 | Preliminary Right of Way Plans | R-1 & R-2 |
| 2 | Final Right of Way Plans | R-3 |
| 3 | Revisions of Final Right of Way Plans | R-4 |
| 3 | Approval of Conveyance of Highway Right of Way Residues | R-5 |
| 4 | Approval of Conveyance of Surplus Highway Right of Way | R-6 |
| 5 | Approval of Revision in Control of Access | R-7 |
| 6 | Approval of Conveyance of Permanent Easement | R-8 |
| 7 | Approval of Conveyance of Wetland Mitigation Site | R-9 |
| 8 | Approval of Advance Acquisition for Highway Right of Way | R-10 |
| 9 | Authorization to Condemn Right of Way for Secondary Road Project | R-11 |
| 10 | Conveyance ROW Residue (HB 501) | R-12 |

Preliminary Right of Way Plans

The Preliminary Right of Way Plans for the below projects, including Secondary Roads and Industrial Access Roads, provide for the construction, design, drainage and control of access as shown on the respective plans.

Based upon the recommendations of the Manager of the Right of Way Unit, the Board finds that such rights of way as shown on these preliminary plans and drawings, including existing public dedicated right of way, are for a public use and are necessary for the construction of said projects.

The rights of way for the location, construction, relocation, and control of access of highways embraced in the below projects shall be as shown in detail on the preliminary right of ways plans and drawings for said projects on file in the Right of Way Branch in the Department of Transportation in Raleigh.

The Board finds such right of way acquisition to be necessary and hereby authorizes the Right of Way Branch to acquire right of way on the below projects either by negotiation or by condemnation through the Attorney General's Office.

(Division 3)

Brunswick County; I.D. No. B-4438; Project No. 38365.2.1:
Bridge No. 47 over Bear Pen Islands Swamp

(Division 4)

Edgecombe County; I.D. No. W-5601DN; Project No. 50138.2.119:
NC 111/122 between 0.18 mile South of SR 1006 (Bullock School Road) and 0.32 mile North of SR 1006 (Bullock School Road)

(Division 6)

Harnett County; I.D. No. I-5878; Project No. 53078.2.2:
I-95 at US 421 (Exit 73) and SR 1793 (Pope Road) (Exit 72)

Harnett County; I.D. No. I-5883; Project No. 53083.2.2:
I-95 at SR 1808 (Jonesboro Road) and SR 1709 (Hodges Chapel Road) (Exit 77)

(Division 7)

Orange County; I.D. No. B-4962; Project No. 40174.2.1:
Bridge No. 46 over Eno River on US 70 Bypass

Preliminary Right of Way Plans (continued)

(Division 10)

Mecklenburg County; I.D. No. U-5908; Project No. 46453.2.1:

Main Street, NC 115 (Old Statesville Road) / SR 2004 (Mount Holly – Huntersville Road)
to South of Ramah Church Road

Union County; I.D. No. B-5377; Project No. 46092.2.2:

Bridge No. 157 over Pole Cat Creek on SR 2170

Anson County; I.D. No. B-5817; Project No. 45770.2.1:

Bridge No. 7 over Brown Creek on SR 1634 (Grassy Island Road)

(Division 11)

Yadkin County; I.D. No. B-4979; Project No. 39899.2.1:

Bridge No. 59 over Jonesville Creek on US 21 Business

Final Right of Way Plans

Right of way acquisition in accordance with the preliminary right of way plans on file in the Right of Way Unit has been determined to be necessary for public use and was authorized by the Board. Certain changes in the right of way have necessitated alteration of the preliminary right of way plans. Final plans have been prepared and provide for the construction, design, drainage and control of access for these projects. The Board finds that such rights of way and control of access as shown on the final plans are for a public use and are necessary for construction. The sections of roads which were shown on the preliminary plans as sections of roads to be abandoned are hereby abandoned and removed from the State Highway System for Maintenance upon the completion and acceptance of the project.

The rights of way for the location, design and construction of highways embraced in the following projects shall be as shown in detail on the final plans for said projects as follows:

(Division 4)**Project No. 44366.2.1; Johnston County; I.D. No. U-5795:**

Drainage, paving, grading and signals on SR 2302 (Ricks Road) from US 70 to US 301. Widen to three lanes with the right of way indicated upon the final plans for said project.

Project No. 17BP.4.R.PE.2; Nash County; I.D. No. 064SR1002:

Grading, drainage, paving and structures on Bridge No. 630086 on SR 1002 (Seven Paths Road over Turkey Creek with the right of way indicated upon the final plans for said project.

(Division 5)**Project No. 42838.2.1; Wake County; I.D. No. B-5237:**

Grading, drainage, paving and structure on Bridge No. 248 over Mahler's Creek on SR 2703 with the right of way indicated upon the final plans for said project.

(Division 8)**Project No. 34437.2.FS1; Richmond County; I.D. No. R-2501C:**

Grading, drainage and paving on US 1 from North of SR 1606 (Fox Road) to South of SR 1001 (Marston Road) with the right of way indicated upon the final plans for said project.

Revisions of the Final Right of Way Plans

Right of way acquisition in accordance with the final right of way plans for the following projects has been determined to be necessary and authorized by the Board. Plans are on file at the Office of the Secretary to the Board of Transportation as an addendum to the minutes of the meetings hereinafter indicated.

Certain changes in right of way, construction and drainage easements, and control of access have been necessitated by alterations in the construction plans of these projects. Amended plan sheets for these projects have been prepared which provide for changes of certain right of way areas, construction and drainage easements and control of access.

The Board finds that the revised areas of right of way, construction and drainage easements and control of access, as shown on the amended plan sheets hereinafter set out, are for a public purpose and are necessary for the construction of projects.

The right of way, construction and drainage easements and control of access are hereby revised as shown on the plan sheets incorporated herein as an addendum, said projects, date of original final approval, and revised right of way, easements and access being as follows:

(Division 3)**Project No. 40192.2.1; I.D. No. U-4751; New Hanover County:**

Final Right of Way plans approved on the minutes of the October 5, 2017 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 9, 10 & 11 as presented at the April 5, 2018 Board of Transportation Meeting.

(Division 5)**Project No. 34915.2.1; I.D. No. U-3308; Durham County:**

Final Right of Way plans approved on the minutes of the June 2, 2016 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 20 as presented at the April 5, 2018 Board of Transportation Meeting.

(Division 11)**Project No. 36001.2.1; I.D. No. R-2603; Wilkes County:**

Final Right of Way plans approved on the minutes of the September 3, 2015 Board of Transportation Meeting. Revised additional right of way, easements or control of access shown on plan sheet(s) 14 and 15 as presented at the April 5, 2018 Board of Transportation Meeting.

REVISION FINAL ROW PLANS**3 PROJECT(S)****\$ 0.00**

Approval of conveyance of Highway Right of Way Residues

It is hereby resolved, based upon the recommendation of the Manager of the Right of Way Unit, that the following highway right of way conveyances are approved:

(Division 11)

Project 37044.2.1, Parcel R-3101 018, US 21 from SR 1100 (Oklahoma Road) to SR 1121 (Pine Swamp Road)

Alleghany County

Conveyance of an approximate 0.750-acre residue area to Roaring Gap Club, Inc. for the high bid amount of \$27,000.00.

CONVEYANCE ROW RESIDUE

1 PROJECT(S)

\$ 27,000.00

Approval of conveyance of Surplus Highway Right of Way

It is hereby resolved, based upon the recommendation of the Manager of the Right of Way Unit that the following highway right of way conveyances are approved:

(Division 1)

Project 8.11234, US 64/264 near its intersection with SR 1113

Dare County

Abandonment of an approximate 0.100-acre surplus right of way area to Full Circle Crab Company, Inc. for no monetary consideration.

(Division 5)

Project 6.4010608, Parcel R-2402 062, US 70 east of I-40

Wake County

Conveyance of an approximate 2.117-acre surplus right of way area to Cralyn Holdings, LLC for the enhancement value of \$88,900.00.

(Division 7)

Project 8.2471401, SR 1226 (University Drive)

Alamance County

Abandonment of an approximate 0.019-acre permanent drainage easement to Lidl US Operations, LLC for no monetary consideration.

(Division 9)

Project 6.6010039, Northwest corner of NC 109 (Randolph Street) and SR 2055 (Liberty Drive)

Davidson County

Abandonment of an approximate 0.244-acre surplus right of way area to Hollis S. Blair for no monetary consideration.

Approval of Revision in Control of Access

It is hereby resolved, based upon the recommendation of the Manager of the Right of Way Unit that the following highway right of way conveyances are approved:

(Division 10)

**Project 8.1654827, I-501F, South Caldwell Street between East Stonewall Street and I-277 Southbound On-Ramp in Charlotte
Mecklenburg County**

Grant of a revision in the existing control of access to the Crescent Uptown Venture, LLC for an approximate 50 foot, right-in/right-out only break along South Caldwell Street between East Stonewall Street and I-277 southbound on-ramp in Charlotte to NC 16 (Brookshire Blvd) in Charlotte for the enhancement value of \$1,027,000.00.

Approval of conveyance of Permanent Easement

It is hereby resolved, based upon the recommendation of the Manager of the Right of Way Unit that the following highway right of way conveyances are approved:

(Division 10)

**Project 6.678013T, R-2123AB, I-485 (Charlotte Outer Loop) from South of SR 1004 (Lawyers Road) to South of NC 218
Mecklenburg County**

The Department acquired an approximate 5.070-acre residue area for construction near Country Woods Drive. The City of Charlotte has requested an approximate 0.141-acre permanent sewer easement and a 0.188 temporary construction easement for the relocation, installation, and maintenance of a sanitary sewer system for its Goose Creek Pump Station and Outfall project. The Department has determined that this conveyance would do minimal damage to the property. The City of Charlotte has agreed to the conveyance for no monetary consideration.

Approval of Conveyance of Wetland Mitigation Site

It is hereby resolved, based upon the recommendation of the Manager of the Right of Way Unit that the following highway right of way conveyances are approved:

(Division 6)

Marshbanks Mitigation Site

Project 34817.2.1, U-2519; Project 35196.2.1, X-0002B; and Project 35196.2.4, X-0002C

Cumberland County

The Department received a request for the disposal of a mitigation site of approximately 132.5 acres. McCormick Farms and NC State Parks (Carver's Creek State Park) have requested that the Department transfer this property to them in exchange for 75 acres of land owned by McCormick Farms (Pee Dee tract). The McCormick Farms and NC State Parks are paying no monetary consideration to Department for the conveyance.

CONVEYANCE OF WETLAND MITIGATION SITE

1 PROJECT(S)

\$0.00

Advance Acquisition of Highway Right of Way

Upon recommendation of the Manager of the Right of Way Unit, the Board has been requested to authorize the acquisition of the following properties through negotiation or condemnation for purposes of highway construction in order to prevent undue hardship on property owners or to protect the right of way corridor from development prior to regular project approval. The Board finds such acquisitions to be necessary, and hereby authorizes the Right of Way Branch to acquire said properties either by negotiation or by condemnation through the Office of the Attorney General.

Division 5

**Property of Lufkin Leased Fee, LLC
I.D. No. U-5825, Parcel #901
WBS 44396.2.1, F. A. Project N/A,
County of Wake**

**Property of Langston Family Limited Partnership, Joyce Langston General Partner
I.D. No. R-2721, Parcel #962
WBS 37673.2.1, F. A. Project N/A,
County of Wake**

**Property of Brenda Perry
I.D. No. R-2721, Parcel # 901
WBS 37673.2.1, F. A. Project N/A,
County of Wake**

Division 9

**Property of Brian Idol A/W Amber
I.D. No. U-2579AB, Parcel # 924
WBS 34839.2.4, F. A. Project N/A,
County of Forsyth**

Division 13

**Property of Talmage Penland A/W Helen
I.D. No. I-2513B, Parcel #900
WBS 34165.2.1, F. A. Project N/A,
County of Buncombe**

APPROVAL OF ADVANCE ACQUISITION FOR HIGHWAY ROW 5 PROJECT(S) \$0.00

Authorization to Condemn Right of Way for Secondary Road Project

The Department has been unsuccessful in acquiring certain right of way for Secondary Roads; and the indemnity bond for the cost of any condemnation proceeding required is being secured in keeping with the Secondary Roads Policy of the Department.

Upon recommendation of the Chief Engineer, the Board finds and hereby authorizes the Right of Way Unit to acquire right of way by condemnation through the Attorney General's Office for the following parcel(s):

(Division 1)

CLAIM OF: Ophelia Meads
Project # : 1.1070RW
PARCEL #: 070SR1111 001
COUNTY: Pasquotank
SR#: 1111 Harvest Point Road

Approval of conveyance of Highway Right of Way Residues by Real Estate Agent and/or Auctioneer per House Bill 501 Pilot Program

It is hereby resolved, based upon the recommendation of the Manager of the Right of Way Unit, that the following highway right of way conveyances are approved:

(Division 7)

**Project 36109.TF, Parcel I-2402B 037, I-85 Greensboro Bypass from West of SR 3300 Elm-Eugene St to Northeast of SR 3314 Wiley Lewis Rd
Guilford County**

Conveyance of an approximate 2.57-acre residue area to Silvio C Almeida for the highest offer amount of \$7,000.00 after the second listing on MLS with re-advertising and re-signing the property.

| | | |
|--|---------------------|--------------------|
| CONVEYANCE ROW RESIDUE (HB 501) | 1 PROJECT(S) | \$ 7,000.00 |
|--|---------------------|--------------------|

| | | |
|------------------------------|-----------------------------|--------------------------------------|
| <u>R-ITEM SUMMARY</u> | <u>31 PROJECT(S)</u> | <u>TOTAL: \$ 1,149,900.00</u> |
|------------------------------|-----------------------------|--------------------------------------|

**NORTH CAROLINA BOARD OF TRANSPORTATION
RECOMMENDED ALLOCATION OF HIGHWAY MAINTENANCE APPROPRIATIONS
FISCAL YEAR 2017 - 2018**

There will be no Maintenance Allocation submitted to the Board for approval at the April 2018 Board meeting.

There are no Comprehensive Transportation Plans to be presented for approval at the April 5, 2018 Board of Transportation Meeting.

These items are for informational purposes only and subject to future NC Board of Transportation approval. It is anticipated that these items will be considered for NC Board of Transportation approval in 30 days.

Additions to the Transit 2018-2027 STIP

| STIP # | TRANSIT PARTNER | DESCRIPTION | MATCH | FUND | FY18 (000) | FY19 (000) | FY20 (000) | FY21 (000) | FY22 (000) | FY23 (000) | FY24 (000) | FY25 (000) | FY26 (000) | FY27 (000) |
|---------|---------------------------------|--|--------|------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| TD-5304 | Go Raleigh | Bus Stop Improvements | STBGDA | 5307 | | 876 | | | | | | | | |
| | | | Local | L | | 219 | | | | | | | | |
| TD-5305 | Go Cary | Downtown Cary Multi-Modal Facility | STBGDA | 5307 | | 2000 | | | | | | | | |
| | | | Local | L | | 500 | | | | | | | | |
| TD-5303 | Winston Salem Transit | FTA 5339 Bus and Bus Facilities Grant | FBUS | 5339 | 809 | 420 | 420 | 420 | 420 | 420 | 420 | 420 | | |
| | | | Local | L | 203 | 105 | 105 | 105 | 105 | 105 | 105 | 105 | | |
| TG-6787 | Tar River Transit | Electronic Fare Collection System | FUZ | 5307 | | 56 | | | | | | | | |
| | | | Local | L | | 14 | | | | | | | | |
| TD-5037 | Tar River Transit | Rehabilitation/Renovation Bus Station/Terminal | FUZ | 5307 | | 116 | | | | | | | | |
| | | | Local | L | | 29 | | | | | | | | |
| TG-4796 | Cape Fear Public Transportation | Routine Capital | FUZ | 5307 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 50 | |
| | | | Local | L | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | |
| TA-5221 | Cape Fear Public Transportation | Replacement LTV | FUZ | 5307 | 324 | 324 | 324 | | | | | | | |
| | | | Local | | 41 | 41 | 41 | | | | | | | |
| TA-6703 | Asheville Redefines Transit | ART Vehicle Purchase | FBUS | 5339 | | 1453 | | | | | | | | |
| | | | Local | L | | 1752 | 950 | 960 | 1455 | | | | | |
| TD-5223 | Asheville Redefines Transit | ART Hybrid bus replacement batteries | FBUS | 5339 | | 214 | | | | | | | | |

These items are for informational purposes only and subject to future NC Board of Transportation approval. It is anticipated that these items will be considered for NC Board of Transportation approval in 30 days.

| | | | | | | | | | | | | | | |
|----------|---------------------------|---|-------|------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | | Local | L | | 54 | | | | | | | | |
| TP-5153 | Asheville Refines Transit | Planning Assistance | FUZ | 5307 | 121 | 121 | 121 | 121 | 121 | 121 | | | | |
| | | | Local | L | 30 | 30 | 30 | 30 | 30 | 30 | | | | |
| TG-6788 | Mountain Projects | Mountain Projects (Haywood County). New Deviated Fixed Route – Capital. | FUZ | 5307 | 56 | | | | | | | | | |
| | | | Local | L | 14 | | | | | | | | | |
| TA-6665 | NCDOT-PTD | 5311 Capital | FNU | 5311 | | 14487 | 14490 | 14500 | 14510 | 14520 | 14530 | 14540 | 14550 | 14560 |
| | | | Local | L | | 2898 | 2898 | 2900 | 2902 | 2904 | 2906 | 2908 | 2910 | 2912 |
| TA-6666 | NCDOT-PTD | 5339 bus and facilities | FBUS | 5339 | | 7183 | 7190 | 7200 | 7210 | 7220 | 7230 | 7240 | 7250 | 7260 |
| | | | Local | L | | 1437 | 1438 | 1440 | 1442 | 1444 | 1446 | 1448 | 1450 | 1452 |
| TC-5004 | NCDOT-PTD | 5311 ADTAP | ADTAP | 5311 | | 2116 | 2120 | 2140 | 2160 | 2180 | 2200 | 2210 | 2220 | 2240 |
| | | | Local | L | | 424 | 424 | 428 | 432 | 436 | 440 | 442 | 444 | 448 |
| TO-6155 | NCDOT-PTD | 5311 Operating and 5311 Operating F | FNU | 5311 | | 12770 | 12790 | 12810 | 12830 | 12850 | 12870 | 12890 | 12910 | 12930 |
| | | | Local | L | | 6385 | 6395 | 6405 | 6415 | 6425 | 6435 | 6445 | 6455 | 6465 |
| TK-4900Z | NCDOT-PTD | 5311 State Admin + 5311F State Admin | FNU | 5311 | | 2807 | 2820 | 2840 | 2860 | 2880 | 2900 | 2920 | 2940 | 2960 |
| TK-4902 | NCDOT-PTD | 5311 State Admin ADTAP | ADTAP | 5311 | | 156 | 170 | 180 | 200 | 210 | 220 | 230 | 240 | 250 |
| TK-6181 | NCDOT-PTD | 5311 Admin | FNU | 5311 | | 18171 | 18180 | 18190 | 18200 | 18210 | 18220 | 18230 | 18240 | 18250 |
| | | | Local | L | | 3635 | 3636 | 3638 | 3640 | 3642 | 3644 | 3646 | 3648 | 3650 |
| TO-5214 | NCDOT-PTD | Operating for Alamance through Burlington MPO | FUZ | 5307 | | 642 | 650 | 660 | 670 | 680 | 690 | 700 | 710 | 720 |
| | | | Local | L | | 321 | 325 | 330 | 335 | 340 | 345 | 350 | 355 | 360 |
| TO-5216 | NCDOT-PTD | Operating for Guilford Co through High Point MPO | FUZ | 5307 | | 70 | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 |
| | | | Local | L | | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 |
| TO-6156 | NCDOT-PTD | Operating for Union County through CRTPO | FUZ | 5307 | | 484 | 490 | 500 | 510 | 520 | 530 | 540 | 550 | 560 |

These items are for informational purposes only and subject to future NC Board of Transportation approval. It is anticipated that these items will be considered for NC Board of Transportation approval in 30 days.

| | | | | | | | | | | | | | | |
|----------|-----------|--|-------|------|--|------|------|------|------|------|------|------|------|------|
| | | | Local | L | | 242 | 245 | 250 | 255 | 260 | 265 | 270 | 275 | 280 |
| TO-6157 | NCDOT-PTD | Operating for Hoke County through City of Fayetteville | FUZ | 5307 | | 262 | 270 | 280 | 290 | 300 | 310 | 320 | 330 | 340 |
| | | | Local | L | | 131 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 |
| TO-6158 | NCDOT-PTD | Operating for Iredell County through CRTPO | FUZ | 5307 | | 567 | 570 | 580 | 590 | 600 | 610 | 620 | 630 | 640 |
| | | | Local | L | | 284 | 285 | 290 | 295 | 300 | 305 | 310 | 315 | 320 |
| TO-6159 | NCDOT-PTD | Operating for Mecklenburg County through CRTPO | FUZ | 5307 | | 675 | 680 | 690 | 700 | 710 | 720 | 730 | 740 | 750 |
| | | | Local | L | | 338 | 340 | 345 | 350 | 355 | 360 | 365 | 370 | 375 |
| TO-6160 | NCDOT-PTD | Operating for Rowan County through City of Concord | FUZ | 5307 | | 160 | 170 | 180 | 190 | 200 | 210 | 220 | 230 | 240 |
| | | | | | | 80 | 85 | 90 | 95 | 100 | 105 | 110 | 115 | 120 |
| TG-6789 | NCDOT-PTD | Capital for Cabarrus County through City of Concord | FUZ | 5307 | | 197 | 200 | 210 | 220 | 230 | 240 | 250 | 260 | 270 |
| | | | | | | 40 | 40 | 42 | 44 | 46 | 48 | 50 | 52 | 54 |
| TG-6790 | NCDOT-PTD | Capital for Mecklenburg County through CRTPO | FUZ | 5307 | | 778 | 780 | 790 | 800 | 810 | 820 | 830 | 840 | 850 |
| | | | Local | L | | 156 | 156 | 158 | 160 | 162 | 164 | 166 | 168 | 170 |
| TQ-6954 | NCDOT-PTD | 5310 Operating | FEPD | 5310 | | 1658 | 1680 | 1700 | 1720 | 1740 | 1760 | 1780 | 1800 | 1820 |
| | | | Local | L | | 1658 | 1680 | 1700 | 1720 | 1740 | 1760 | 1780 | 1800 | 1820 |
| TQ-9038 | NCDOT-PTD | 5310 Capital | FEPD | 5310 | | 3178 | 3180 | 3190 | 3200 | 3210 | 3220 | 3240 | 3250 | 3260 |
| | | | Local | L | | 636 | 636 | 638 | 640 | 642 | 644 | 648 | 650 | 652 |
| TS-4900Z | NCDOT-PTD | Statewide RTAP | RTAP | 5311 | | 422 | 440 | 460 | 480 | 500 | 520 | 540 | 560 | 580 |
| TV-4903 | NCDOT-PTD | 5310 State Admin | FEPD | 5310 | | 420 | 500 | 520 | 530 | 540 | 550 | 560 | 570 | 580 |
| TP-5154 | NCDOT-PTD | 5304 Planning | FMPL | 5304 | | 490 | 500 | 510 | 520 | 530 | 540 | 550 | 560 | 570 |
| | | | Local | L | | 98 | 100 | 102 | 104 | 106 | 108 | 110 | 112 | 114 |
| TN-6125 | NCDOT-PTD | 5317 New Freedom | FNP | 5317 | | 403 | 410 | 420 | 430 | 440 | 450 | 460 | 470 | 480 |
| | | | Local | L | | 81 | 82 | 84 | 86 | 88 | 90 | 92 | 94 | 96 |

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| | | | | | | | | | | | | | | |
|---------|-----------|---------------------------------|-------|------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| TS-7001 | NCDOT-PTD | 5329 State Safety and Oversight | FED | 5329 | | 430 | 440 | 450 | 460 | 470 | 480 | 490 | 500 | 510 |
| | | | Local | L | | 86 | 88 | 90 | 92 | 94 | 96 | 98 | 100 | 102 |

Modifications to the 2018-2027 STIP

| STIP # | TRANSIT PARTNER | DESCRIPTION | MATCH | FUND | FY18 (000) | FY19 (000) | FY20 (000) | FY21 (000) | FY22 (000) | FY23 (000) | FY24 (000) | FY25 (000) | FY26 (000) | FY27 (000) |
|---------|------------------------------|---|-------|------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| TG-6181 | Apple Country Transit | Transit Routine Capital Cost of Contracting | 5307 | FUZ | 270 | 285 | 285 | 285 | 285 | 285 | | | | |
| | | | Local | L | 406 | 429 | 429 | 429 | 429 | 429 | | | | |
| TG-4951 | Apple Country Transit | Routine Capital – Cost of Contracting | 5307 | FUZ | 260 | | | | | | | | | |
| | | | Local | L | 394 | | | | | | | | | |
| TA-6701 | Mountain Mobility - Buncombe | Replacement Vans. Adjust Funding for FY19 | 5307 | FUZ | | 143 | 55 | 184 | 95 | | 100 | | | |
| | | | Local | L | | 36 | 14 | 46 | 24 | | 26 | | | |
| TO-6154 | Mountain Mobility - Buncombe | Operating Assistance Add Funding in FY19 | 5307 | FUZ | | 86 | 239 | 250 | 250 | 262 | | | | |
| | | | Local | L | | 86 | 239 | 250 | 250 | 262 | | | | |

Item I-1B, 38 Projects, Total Federal funds \$641,163,000

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP ADDITIONS**

DIVISION 3

| | | | | | |
|-----------|---|--------------|----------|----------------------|-----|
| R-5876 | I-74 (NEW ROUTE - CAROLINA BAYS PARKWAY | RIGHT-OF-WAY | POST YR- | \$128,600,000 | (O) |
| BRUNSWICK | EXTENSION), FROM SC STATE LINE TO US 17 AT NC | UTILITIES | POST YR- | \$5,300,000 | (O) |
| | 130. CONSTRUCT FREEWAY ON NEW LOCATION. | CONSTRUCTION | POST YR- | <u>\$232,800,000</u> | (O) |
| | <u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL</u> | | | \$366,700,000 | |
| | <u>STUDY ONLY.</u> | | | | |

DIVISION 5

| | | | | | |
|---------------|---|--------------|-----------|------------------|----------|
| * U-6094 | (SR 1152) HOLLY SPRINGS ROAD, EAST OF NC 55 TO | RIGHT-OF-WAY | FY 2019 - | \$798,000 | (STBGDA) |
| WAKE | FLINT POINT LANE IN HOLLY SPRINGS. WIDEN FROM 2 | | FY 2019 - | \$199,000 | (L) |
| PROJ.CATEGORY | LANES TO 4 LANES. | CONSTRUCTION | FY 2019 - | \$1,217,000 | (STBGDA) |
| DIVISION | <u>ADD RIGHT-OF-WAY IN FY 19 AND CONSTRUCTION IN</u> | | FY 2019 - | <u>\$304,000</u> | (L) |
| | <u>FY 19 NOT PREVIOUSLY PROGRAMMED. NEW LAPP</u> | | | \$2,518,000 | |
| | <u>PROJECT AT MPO REQUEST.</u> | | | | |

| | | | | | |
|---------------|---|--------------|-----------|-----------------|----------|
| * U-6095 | NEW BERN AVE (US 64 BUSINESS), FREEDOM DRIVE | RIGHT-OF-WAY | FY 2019 - | \$90,000 | (STBGDA) |
| WAKE | TO PATRIOT DRIVE IN RALEIGH. ADD LANE IN | | FY 2019 - | \$22,000 | (L) |
| PROJ.CATEGORY | EASTBOUND DIRECTION. | CONSTRUCTION | FY 2019 - | \$320,000 | (STBGDA) |
| DIVISION | <u>ADD RIGHT-OF-WAY IN FY 19 AND CONSTRUCTION IN</u> | | FY 2019 - | <u>\$80,000</u> | (L) |
| | <u>FY 19 NOT PREVIOUSLY PROGRAMMED. NEW LAPP</u> | | | \$512,000 | |
| | <u>PROJECT AT MPO REQUEST.</u> | | | | |

| | | | | | |
|---------------|--|--------------|-----------|------------------|----------|
| * U-6096 | INTERSECTION OF OLD HONEYCUTT ROAD (SR 2763) | ENGINEERING | FY 2019 - | \$103,000 | (STBGDA) |
| WAKE | AND PURFOY ROAD (SR1301) IN FUQUAY-VARINA. | | FY 2019 - | \$34,000 | (L) |
| PROJ.CATEGORY | INTERSECTION IMPROVEMENTS. | RIGHT-OF-WAY | FY 2019 - | \$90,000 | (STBGDA) |
| DIVISION | <u>ADD PE IN FY 19, RIGHT-OF-WAY IN FY 19 AND</u> | | FY 2019 - | \$30,000 | (L) |
| | <u>CONSTRUCTION IN FY 19 NOT PREVIOUSLY</u> | CONSTRUCTION | FY 2019 - | \$722,000 | (STBGDA) |
| | <u>PROGRAMMED. NEW LAPP PROJECT AT MPO REQUEST.</u> | | FY 2019 - | <u>\$240,000</u> | (L) |
| | | | | \$1,219,000 | |

DIVISION 12

| | | | | | |
|---------------|--|--------------|-----------|--------------------|-------|
| * R-5870 | ALEXANDER COUNTY, CONSTRUCT ACCESS ROAD | CONSTRUCTION | FY 2020 - | <u>\$1,500,000</u> | (APD) |
| ALEXANDER | INTO ALEXANDER INDUSTRIAL PARK. | | | \$1,500,000 | |
| PROJ.CATEGORY | <u>PROJECT ADDED AS PART OF THE APPALACHIAN</u> | | | | |
| EXEMPT | <u>LOCAL ACCESS ROAD PROGRAM.</u> | | | | |

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* INDICATES FEDERAL AMENDMENT

Thursday, April 05, 2018

REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP ADDITIONS

DIVISION 13

| | | | | | |
|---------------|--|--------------|-----------|-----------|-------|
| * R-5875 | SR 1111 (JACK MCKINNEY ROAD), US 221 TO THE DAN RIVER FACILITY. WIDEN 1-FOOT ON EACH SIDE AND RESURFACE. | ENGINEERING | FY 2018 - | \$10,000 | (APD) |
| RUTHERFORD | | CONSTRUCTION | FY 2019 - | \$864,000 | (APD) |
| PROJ.CATEGORY | | | | \$874,000 | |
| EXEMPT | <u>PROJECT ADDED AS PART OF THE APPALACHIAN LOCAL ACCESS ROAD PROGRAM.</u> | | | | |

STIP MODIFICATIONS

DIVISION 2

| | | | | | |
|---------------|---|--------------|-----------|---------------|--------|
| * B-4786 | US 13, REPLACE BRIDGE 730038 OVER TAR RIVER. | RIGHT-OF-WAY | FY 2018 - | \$1,000,000 | (NHPB) |
| PITT | <u>TO ALLOW FOR COMPLETION OF PROJECT R-2250</u> | CONSTRUCTION | FY 2020 - | \$6,000,000 | (NHPB) |
| PROJ.CATEGORY | <u>PRIOR TO LETTING, DELAY CONSTRUCTION FROM FY 19 TO FY 20</u> | | | \$7,000,000 | |
| REGIONAL | | | | | |
| U-5713 | US 70, SR 1124 (GRANTHAM ROAD) TO NEUSE RIVER BRIDGE. UPGRADE ROADWAY TO FREEWAY. | RIGHT-OF-WAY | FY 2019 - | \$25,000,000 | (T) |
| CRAVEN | | UTILITIES | FY 2019 - | \$1,000,000 | (T) |
| PROJ.CATEGORY | <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u> | CONSTRUCTION | FY 2019 - | \$4,500,000 | (T) |
| STATEWIDE | | | FY 2020 - | \$21,375,000 | (T) |
| | | | FY 2021 - | \$21,375,000 | (T) |
| | | | FY 2022 - | \$21,375,000 | (T) |
| | | | FY 2023 - | \$21,375,000 | (T) |
| | | | | \$116,000,000 | |
| U-5785 | SR 1708 (FIRETOWER ROAD), NC 43 (CHARLES BOULEVARD) TO SR 1704 (FOURTEENTH STREET) IN GREENVILLE. WIDEN TO MULTI-LANES. | RIGHT-OF-WAY | FY 2018 - | \$5,968,000 | (T) |
| PITT | | UTILITIES | FY 2018 - | \$254,000 | (T) |
| PROJ.CATEGORY | <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u> | CONSTRUCTION | FY 2019 - | \$1,520,000 | (T) |
| DIVISION | | | FY 2020 - | \$1,520,000 | (T) |
| | | | FY 2021 - | \$1,520,000 | (T) |
| | | | | \$10,782,000 | |
| U-5870 | SR 1708 (FIRETOWER ROAD), SR 1704 (FOURTEENTH STREET) TO NC 33 (EAST 10TH STREET) IN GREENVILLE. WIDEN TO MULTI-LANES. | RIGHT-OF-WAY | FY 2018 - | \$11,226,000 | (T) |
| PITT | | | FY 2019 - | \$11,226,000 | (T) |
| PROJ.CATEGORY | <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u> | UTILITIES | FY 2018 - | \$956,000 | (T) |
| DIVISION | | CONSTRUCTION | FY 2019 - | \$5,852,000 | (T) |
| | | | FY 2020 - | \$5,852,000 | (T) |
| | | | FY 2021 - | \$5,852,000 | (T) |
| | | | | \$40,964,000 | |

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* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS**

DIVISION 2

| | | | | | |
|---------------|--|--------------|-----------|--------------|-----|
| U-5875 | SR 1203 (ALLEN ROAD), SR 1467 (STANTONSBURG ROAD) TO US 13 (DICKINSON AVENUE EXTENSION). | RIGHT-OF-WAY | FY 2018 - | \$1,777,000 | (T) |
| PITT | | UTILITIES | FY 2019 - | \$213,000 | (T) |
| PROJ.CATEGORY | WIDEN TO MULTI-LANES. | CONSTRUCTION | FY 2021 - | \$8,467,000 | (T) |
| DIVISION | <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u> | | FY 2022 - | \$8,467,000 | (T) |
| | | | FY 2023 - | \$8,466,000 | (T) |
| | | | | \$27,390,000 | |

DIVISION 4

| | | | | | |
|---------------|--|--------------|-----------|-------------|-----|
| AV-5845 | ROCKY MOUNT WILSON AIRPORT (RWI), CONSTRUCT TAXIWAY AND T HANGARS. | CONSTRUCTION | FY 2019 - | \$1,940,000 | (T) |
| NASH | | | | \$1,940,000 | |
| PROJ.CATEGORY | <u>ACCELERATE CONSTRUCTION FROM FY 25 TO FY 19.</u> | | | | |
| DIVISION | | | | | |

| | | | | | |
|---------------|--|--------------|-----------|-----------|-----|
| U-5938 | US 13 (BERKELEY BOULEVARD), SR 1003 (NEW HOPE ROAD). IMPROVE INTERSECTION. | RIGHT-OF-WAY | FY 2019 - | \$100,000 | (T) |
| WAYNE | | UTILITIES | FY 2019 - | \$100,000 | (T) |
| PROJ.CATEGORY | <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN, DELAY RIGHT-OF-WAY FROM FY 18 TO FY 19 AND CONSTRUCTION FROM FY 18 TO FY 20.</u> | CONSTRUCTION | FY 2020 - | \$234,000 | (T) |
| REGIONAL | | | | \$434,000 | |

DIVISION 5

| | | | | | |
|---------------|--|--------------|-----------|-------------|-------|
| * EB-5720 | BRYANT BRIDGE NORTH / GOOSE CREEK WEST TRAIL, NC 55 TO TO DREW-GRANBY PARK IN DURHAM. | ENGINEERING | FY 2018 - | \$230,000 | (TAP) |
| DURHAM | | | FY 2018 - | \$58,000 | (L) |
| PROJ.CATEGORY | CONSTRUCT SHARED-USE PATH AND CONNECTING SIDEWALKS. | RIGHT-OF-WAY | FY 2020 - | \$3,000 | (TAP) |
| DIVISION | <u>ADD PE IN FY 18, RIGHT OF WAY IN FY 20 AND DELAY CONSTRUCTION FROM FY 19 TO FY 21 TO REFLECT CURRENT CITY DELIVERY SCHEDULE BASED ON ADDEDD SCOPE.</u> | | FY 2020 - | \$11,000 | (L) |
| | | CONSTRUCTION | FY 2021 - | \$3,524,000 | (TAP) |
| | | | FY 2021 - | \$908,000 | (L) |
| | | | | \$4,734,000 | |

| | | | | | |
|---------------|---|--------------|-----------|--------------|--------|
| * U-4437 | NC 54 (HILLSBOROUGH STREET), SR 1664 / SR 3074 (BLUE RIDGE ROAD) IN VICINITY OF NC RAILROAD (CSX CORPORATION AND NORFOLK SOUTHERN) IN RALEIGH. CONSTRUCT GRADE SEPARATIONS AND ACCESS ROAD BETWEEN NC 54 AND SR 1664 / SR 3074. | RIGHT-OF-WAY | FY 2018 - | \$13,214,000 | (STBG) |
| WAKE | | UTILITIES | FY 2018 - | \$1,500,000 | (STBG) |
| PROJ.CATEGORY | | CONSTRUCTION | FY 2018 - | \$19,000,000 | (STBG) |
| DIVISION | <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u> | | | \$33,714,000 | |

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* INDICATES FEDERAL AMENDMENT

Thursday, April 05, 2018

REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS

DIVISION 5

| | | | |
|---|--|---|--|
| U-4724 DURHAM PROJ.CATEGORY TRANSITION | SR 1158 (CORNWALLIS ROAD), SR 2295 (SOUTH ROXBORO STREET) TO SR 1127 (CHAPEL HILL ROAD) IN DURHAM. BICYCLE AND PEDESTRIAN FEATURES. <u>TO ALLOW ADDITIONAL TIME FOR DESIGN AND RIGHT OF WAY DELAY CONSTRUCTION FROM FY 18 TO FY 20.</u> | CONSTRUCTION | FY 2020 - \$3,854,000 (STBGDA) FY 2020 - \$1,124,000 (L) \$4,978,000 |
| * U-5501 WAKE PROJ.CATEGORY DIVISION | SR 1650 (REEDY CREEK ROAD), NC 54 (NE MAYNARD ROAD) TO SR 1652 (HARRISON AVENUE) IN CARY. WIDEN FROM 2 TO 3 LANES, TO INCLUDE ROUNDABOUTS, AS WELL AS PEDESTRIAN AND BICYCLE ENHANCEMENTS. <u>ADD RIGHT-OF-WAY IN FY 18 AND CONSTRUCTION IN FY 18 NOT PREVIOUSLY PROGRAMMED. PROJECT BREAKS U-5501A AND U-5501B ELIMINATED AT DIVISION REQUEST. WORK TO BE ACCOMPLISHED UNDER U-5501.</u> | RIGHT-OF-WAY UTILITIES CONSTRUCTION | FY 2018 - \$1,024,000 (STBGDA) FY 2018 - \$256,000 (L) FY 2018 - \$200,000 (STBGDA) FY 2018 - \$300,000 (L) FY 2019 - \$4,526,000 (STBGDA) FY 2019 - \$3,166,000 (L) \$9,472,000 |
| * U-5501A WAKE PROJ.CATEGORY DIVISION | SR 1650 (REEDY CREEK ROAD), SOUTH OF WATTS POND LANE TO SR 1652 (HARRISON AVENUE). WIDEN FROM 2 TO 3 LANES, TO INCLUDE ROUNDABOUTS, AS WELL AS PEDESTRIAN AND BICYCLE ENHANCEMENTS. <u>PROJECT BREAK ELIMINATED; WORK TO BE ACCOMPLISHED UNDER U-5501</u> | | |
| * U-5501B WAKE PROJ.CATEGORY DIVISION | SR 1650 (REEDY CREEK ROAD), NC 54 (NE MAYNARD ROAD) TO SOUTH OF WATTS POND LANE. WIDEN FROM 2 TO 3 LANES, TO INCLUDE ROUNDABOUTS, AS WELL AS PEDESTRIAN AND BICYCLE ENHANCEMENTS. <u>PROJECT BREAK ELIMINATED; WORK TO BE ACCOMPLISHED UNDER U-5501</u> | | |
| U-5826 WAKE PROJ.CATEGORY DIVISION | SR 2000 (FALLS OF NEUSE ROAD), I-540 TO SR 2006 (DURANT ROAD). ADD LANES. <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN DELAY RIGHT-OF-WAY FROM FY 18 TO FY 19 AND DELAY CONSTRUCTION FROM FY 19 TO FY 20.</u> | RIGHT-OF-WAY UTILITIES CONSTRUCTION | FY 2019 - \$2,782,000 (T) FY 2019 - \$334,000 (T) FY 2020 - \$7,682,000 (T) \$10,798,000 |

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* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS**

DIVISION 6

| | | | | | |
|---------------|---|--------------|-----------|--------------|--------|
| * I-5883 | I-95, SR 1808 (JONESBORO ROAD) (EXIT 75) AND SR | RIGHT-OF-WAY | FY 2018 - | \$8,225,000 | (NHFP) |
| HARNETT | 1709 (HODGES CHAPEL ROAD) (EXIT 77). IMPROVE | CONSTRUCTION | FY 2020 - | \$8,533,000 | (NHFP) |
| PROJ.CATEGORY | INTERCHANGES. | | FY 2021 - | \$8,533,000 | (NHFP) |
| DIVISION | <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u> | | FY 2022 - | \$8,534,000 | (NHFP) |
| | | | | \$33,825,000 | |

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|---------------|---|--------------|-----------|--------------|-----|
| U-4403C | US 401, US 401 BYPASS TO NORTH OF SLOCUMB | RIGHT-OF-WAY | FY 2024 - | \$17,322,000 | (T) |
| CUMBERLAND | ROAD. | UTILITIES | FY 2024 - | \$2,079,000 | (T) |
| PROJ.CATEGORY | <u>MODIFY PROJECT TERMINI.</u> | CONSTRUCTION | FY 2026 - | \$15,782,000 | (T) |
| REGIONAL | | | FY 2027 - | \$15,782,000 | (T) |
| | | | | \$50,965,000 | |

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|---------------|---|--------------|-----------|--------------|-----|
| U-5101A | SR 1437 (SHAW RD)-SR 1614 (SHAW MILL RD)-SR 1615, | RIGHT-OF-WAY | FY 2022 - | \$5,714,000 | (T) |
| CUMBERLAND | NC 87 (BRAGG BLVD) TO NC 210 (MURCHISON ROAD). | UTILITIES | FY 2022 - | \$686,000 | (T) |
| PROJ.CATEGORY | INTERCONNECT AND WIDEN TO MULTI-LANES | CONSTRUCTION | FY 2024 - | \$6,063,000 | (T) |
| DIVISION | <u>SEGMENT PROJECT AND MODIFY PROJECT LIMITS, FUNDING AMOUNTS, AND SCHEDULE.</u> | | FY 2025 - | \$6,063,000 | (T) |
| | | | FY 2026 - | \$6,062,000 | (T) |
| | | | | \$24,588,000 | |

| | | | | | |
|---------------|---|--------------|----------|--------------|-----|
| U-5101B | SR 1437 (SHAW RD)-SR 1614 (SHAW MILL RD)-SR 1615, | RIGHT-OF-WAY | POST YR- | \$13,200,000 | (T) |
| CUMBERLAND | US 401 (RAMSEY STREET) TO NC 210 (MURCHISON | UTILITIES | POST YR- | \$1,600,000 | (T) |
| PROJ.CATEGORY | ROAD). INTERCONNECT AND WIDEN TO MULTI-LANES | CONSTRUCTION | POST YR- | \$42,900,000 | (T) |
| DIVISION | <u>SEGMENT PROJECT AND MODIFY PROJECT LIMITS, FUNDING AMOUNTS, AND SCHEDULE.</u> | | | \$57,700,000 | |

DIVISION 7

| | | | | | |
|---------------|---|--------------|-----------|-----------|-------|
| I-5964 | I-40 / BUSINESS 85 / US 29 / US 70 / US 220, ELM- | RIGHT-OF-WAY | FY 2018 - | \$75,000 | (NHP) |
| GUILFORD | EUGENE STREET IN GREENSBORO. INTERCHANGE | UTILITIES | FY 2018 - | \$25,000 | (NHP) |
| PROJ.CATEGORY | IMPROVEMENTS. | CONSTRUCTION | FY 2019 - | \$300,000 | (NHP) |
| STATEWIDE | <u>TO SYNCHRONIZE LET DATE WITH B-5356, DELAY CONSTRUCTION FROM FY 18 TO FY 19</u> | | | \$400,000 | |

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* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS**

DIVISION 7

| | | | | | |
|--|---|--------------|-----------|-------------|-------|
| * U-5306B GUILFORD PROJ.CATEGORY REGIONAL | US 220 (BATTLEGROUND AVENUE), INTERSECTION WITH WESTRIDGE ROAD AND APPROACHES | CONSTRUCTION | FY 2018 - | \$3,100,000 | (NHP) |
| | | | | \$3,100,000 | |
| | <u>ADD CONSTRUCTION IN FY 18 NOT PREVIOUSLY PROGRAMMED (DELAYED FROM FY16-25 STIP) TO ALLOW CITY ADDITIONAL TIME FOR R/W ACQUISITION AND UTILITY RELOCATION.</u> | | | | |

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|---|--|------------------------------|-----------|--------------|-----|
| * U-5844 ALAMANCE PROJ.CATEGORY DIVISION | NC 62, SR 1430 (RAMADA ROAD) TO US 70 (CHURCH STREET) IN BURLINGTON. WIDEN TO MULTILANES. | RIGHT-OF-WAY CONSTRUCTION | FY 2018 - | \$1,900,000 | (T) |
| | | | FY 2019 - | \$9,000,000 | (T) |
| | | | | \$10,900,000 | |
| | <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u> | | | | |

| | | | | | |
|---|--|---|-----------|--------------|-----|
| * U-5896 GUILFORD PROJ.CATEGORY DIVISION | US 29 / US 70 / BUSINESS 85, SR 1009 (SOUTH MAIN STREET) IN HIGH POINT. RECONSTRUCT INTERCHANGE. | RIGHT-OF-WAY UTILITIES CONSTRUCTION | FY 2019 - | \$13,444,000 | (T) |
| | | | FY 2019 - | \$500,000 | (T) |
| | | | FY 2021 - | \$12,012,000 | (T) |
| | | | | \$25,956,000 | |
| | <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u> | | | | |

DIVISION 8

| | | | | | |
|---|---|--------------|-----------|-----------|-------|
| EB-5872A SCOTLAND PROJ.CATEGORY DIVISION | SR 1108 (WEST BOULEVARD), SR 1105 (TURNPIKE ROAD) TO GLASGOW DRIVE AND EAST OF US 15 / US 401 / US 501 TO SUNSET DRIVE IN LAURINBURG. | CONSTRUCTION | FY 2020 - | \$348,000 | (TAP) |
| | | | FY 2020 - | \$88,000 | (L) |
| | | | | \$436,000 | |
| | <u>REVISE PROJECT DESCRIPTION TO INCORPORATE SCOPE OF EB-5872C AT REQUEST OF DIVISION OF BICYCLE AND PEDESTRTIAN TRANSPROTATION.</u> | | | | |

DIVISION 10

| | | | | | |
|--|---|--------------|-----------|-----------|-----------|
| B-5930 MECKLENBURG PROJ.CATEGORY DIVISION | SARDIS LANE, REPLACE BRIDGE 590433 OVER MCALPINE CREEK. | RIGHT-OF-WAY | FY 2018 - | \$50,000 | (STBGOFF) |
| | | | FY 2018 - | \$13,000 | (L) |
| | | CONSTRUCTION | FY 2019 - | \$625,000 | (STBGOFF) |
| | | | FY 2019 - | \$156,000 | (L) |
| | | | | \$844,000 | |
| | <u>TO ALLOW ADDITIONAL TIME FOR THE CITY OF CHARLOTTE AND PRIVATE ENGINEERING FIRM TO COMPLETE THE ENVIRONMENTAL STUDIES AND DESIGN, DELAY RIGHT-OF-WAY FROM FY 17 TO FY 18 AND CONSTRUCTION FROM FY 18 TO FY 19</u> | | | | |

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* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS**

DIVISION 10

| | | | |
|--|---|---|--|
| B-5931 MECKLENBURG PROJ.CATEGORY DIVISION | MORRIS FIELD DRIVE, REPLACE BRIDGE 590443 OVER SOUTHERN RAILROAD. <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN DELAY RIGHT-OF-WAY FROM FY 18 TO FY 19 AT REQUEST OF CITY OF CHARLOTTE</u> | RIGHT-OF-WAY UTILITIES CONSTRUCTION | FY 2019 - \$120,000 (STBG OFF) FY 2019 - \$30,000 (L) FY 2019 - \$160,000 (STBG OFF) FY 2019 - \$40,000 (L) FY 2020 - \$2,200,000 (STBG OFF) FY 2020 - \$550,000 (L) \$3,100,000 |
| EB-5732 CABARRUS PROJ.CATEGORY DIVISION | BRUTON SMITH BLVD/ CONCORD MILLS BLVD/ PORTION OF WEDDINGTON ROAD, US 29 TO WEDDINGTON ROAD. CONSTRUCT SIDEWALK ON BOTH SIDES OF THE ROAD, INCLUDING A PORTION OF WEDDINGTON ROAD. <u>TO ALLOW ADDITIONAL TIME FOR PLANNING DELAY RIGHT-OF-WAY FROM FY 18 TO FY 19</u> | CONSTRUCTION | FY 2019 - \$4,800,000 (TAP) FY 2019 - \$1,200,000 (L) \$6,000,000 |
| P-5704 UNION PROJ.CATEGORY REGIONAL | CSX SF LINE, MILEPOST 311.8 TO MILEPOST 316.9. 10,000 FEET SIDING EXTENSION AT STOUTS IN UNION COUNTY. <u>TO ALLOW ADDITIONAL TIME FOR PLANNING DELAY CONSTRUCTION FROM FY 18 TO FY 19</u> | CONSTRUCTION | FY 2018 - \$3,500,000 (T) FY 2018 - \$3,500,000 (O) FY 2019 - \$2,000,000 (T) FY 2019 - \$2,000,000 (O) \$11,000,000 |
| * R-2530B STANLY PROJ.CATEGORY REGIONAL | NC 24-27, BIRD ROAD IN ALBEMARLE TO WEST OF THE PEE DEE RIVER <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u> | CONSTRUCTION | FY 2019 - \$15,025,000 (T) FY 2020 - \$15,025,000 (T) FY 2021 - \$15,025,000 (T) FY 2022 - \$15,025,000 (T) \$60,100,000 |
| U-5112 UNION PROJ.CATEGORY TRANSITION | STALLINGS, SR 1364 (PLEASANT PLAINS ROAD) AT SR 1357 (POTTERS ROAD) IN STALLINGS. CONSTRUCT INTERSECTION IMPROVEMENTS INCLUDING LEFT TURN LANES AND MODIFICATION OF TRAFFIC SIGNAL. <u>TO ALLOW ADDITIONAL TIME TO ACQUIRE RIGHT OF WAY DELAY CONSTRUCTION FROM FY 18 TO FY 19</u> | CONSTRUCTION | FY 2019 - \$500,000 (HSIP) FY 2019 - \$1,600,000 (STBGDA) FY 2019 - \$400,000 (L) \$2,500,000 |

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* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS**

DIVISION 10

| | | | | | |
|---|---|---|--|---|--|
| * U-5905A MECKLENBURG PROJ.CATEGORY EXEMPT | SR 2112 (LAKEVIEW ROAD), REAMES ROAD TO NC 115. UPGRADE ROADWAY. <u>PROJECT BEING BROKEN INTO TWO SEGMENTS (A & B)</u> | RIGHT-OF-WAY UTILITIES CONSTRUCTION | FY 2019 - FY 2019 - FY 2020 - | \$1,000,000 \$500,000 \$6,100,000 | (BA) (BA) (BA) |
| | | | | \$7,600,000 | |
| * U-5905B MECKLENBURG PROJ.CATEGORY EXEMPT | SR 2112 (LAKEVIEW ROAD), IMPROVE INTERSECTION OF SR 2112 (LAKEVIEW ROAD)/NC 24 (HARRIS BOULEVARD) AND SR 2112 (LAKEVIEW ROAD)/US 21 (STATESVILLE ROAD) <u>PROJECT BEING BROKEN INTO TWO SEGMENTS (A & B)</u> | CONSTRUCTION | FY 2020 - | \$3,000,000 \$3,000,000 | (BA) |
| U-6086 MECKLENBURG PROJ.CATEGORY EXEMPT | PINEVILLE, NC 51, PARK ROAD TO CARMEL ROAD. CONSTRUCT ACCESS MANAGEMENT IMPROVEMENTS. <u>ACCELERATE CONSTRUCTION FROM FY 20 TO FY 19 TO REFLECT CURRENT DELIVERY SCHEDULE.</u> | CONSTRUCTION | FY 2019 - FY 2019 - | \$2,000,000 \$1,000,000 | (STBGDA) (L) |
| | | | | \$3,000,000 | |
| U-6087 UNION PROJ.CATEGORY DIVISION | WESLEY CHAPEL, POTTER ROAD AT WESLEY CHAPEL ROAD. CONSTRUCT ROUNDABOUT. <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN DELAY CONSTRUCTION FROM FY 19 TO FY 20</u> | ENGINEERING RIGHT-OF-WAY CONSTRUCTION | FY 2018 - FY 2018 - FY 2019 - FY 2019 - FY 2019 - FY 2020 - FY 2020 - FY 2020 - | \$93,000 \$65,000 \$59,000 \$21,000 \$20,000 \$621,000 \$254,000 \$177,000 | (STBGDA) (S(M)) (STBGDA) (L) (S(M)) (STBGDA) (L) (S(M)) |
| | | | | \$1,310,000 | |
| U-6088 UNION PROJ.CATEGORY DIVISION | MARVIN, NEW TOWN ROAD AT MARVIN ROAD. CONSTRUCT ROUNDABOUT. <u>ACCELERATE RIGHT-OF-WAY FROM FY 19 TO FY 18 TO REFLECT CURRENT PROJECT DELIVERY.</u> | ENGINEERING RIGHT-OF-WAY CONSTRUCTION | FY 2018 - FY 2018 - FY 2018 - FY 2018 - FY 2019 - FY 2019 - FY 2019 - | \$75,000 \$50,000 \$45,000 \$15,000 \$15,000 \$542,000 \$205,000 \$155,000 | (STBGDA) (S(M)) (STBGDA) (L) (S(M)) (STBGDA) (L) (S(M)) |
| | | | | \$1,102,000 | |

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* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS**

DIVISION 10

| | | | | | |
|---------------|--|--------------|-----------|-------------|----------|
| U-6090 | WEDDINGTON, WEDDINGTON-MATTHEWS ROAD AT | ENGINEERING | FY 2018 - | \$85,000 | (STBGDA) |
| UNION | TILLEY MORRIS ROAD. CONSTRUCT ROUNDABOUT. | | FY 2018 - | \$39,000 | (S(M)) |
| PROJ.CATEGORY | <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u> | RIGHT-OF-WAY | FY 2019 - | \$52,000 | (STBGDA) |
| DIVISION | <u>DESIGN DELAY RIGHT-OF-WAY FROM FY 18 TO FY 19</u> | | FY 2019 - | \$8,000 | (L) |
| | <u>AND CONSTRUCTION FROM FY 19 TO FY 20</u> | | FY 2019 - | \$15,000 | (S(M)) |
| | | CONSTRUCTION | FY 2020 - | \$623,000 | (STBGDA) |
| | | | FY 2020 - | \$113,000 | (L) |
| | | | FY 2020 - | \$166,000 | (S(M)) |
| | | | | \$1,101,000 | |

| | | | | | |
|---------------|--|--------------|-----------|-------------|----------|
| U-6091 | STALLINGS, WEDDINGTON-MATTHEWS ROAD AT | ENGINEERING | FY 2018 - | \$100,000 | (STBGDA) |
| UNION | CHESTNUT LANE. CONSTRUCT ROUNDABOUT. | | FY 2018 - | \$25,000 | (S(M)) |
| PROJ.CATEGORY | <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u> | RIGHT-OF-WAY | FY 2019 - | \$60,000 | (STBGDA) |
| DIVISION | <u>DESIGN DELAY RIGHT-OF-WAY FROM FY 18 TO FY 19</u> | | FY 2019 - | \$15,000 | (S(M)) |
| | <u>AND CONSTRUCTION FROM FY 19 TO FY 20</u> | CONSTRUCTION | FY 2020 - | \$717,000 | (STBGDA) |
| | | | FY 2020 - | \$179,000 | (S(M)) |
| | | | | \$1,096,000 | |

DIVISION 12

| | | | | | |
|---------------|---|--------------|-----------|--------------|-------|
| * I-5915A | I-40, MILEMARKER 130.7 TO MILEMARKER 150.2. | CONSTRUCTION | FY 2018 - | \$12,500,000 | NHPIM |
| CATAWBA | PAVEMENT REHABILITATION. | | FY 2019 - | \$12,500,000 | NHPIM |
| IREDELL | <u>MODIFY PROJECT SCOPE, FUNDING AMOUNTS, AND</u> | | | \$25,000,000 | |
| PROJ.CATEGORY | <u>SCHEDULE. INCLUDES WORK FROM DELETED</u> | | | | |
| STATEWIDE | <u>PROJECTS I-5772, I-5804, I-5917.</u> | | | | |

| | | | | | |
|---------------|---|--------------|-----------|--------------|-------|
| * I-5915B | I-40, MILEMARKER 130.7 TO MILEMARKER 150.2. | CONSTRUCTION | FY 2021 - | \$5,000,000 | NHPIM |
| CATAWBA | BRIDGE REHABILITATION. | | FY 2022 - | \$5,000,000 | NHPIM |
| IREDELL | <u>MODIFY PROJECT SCOPE, FUNDING AMOUNTS, AND</u> | | | \$10,000,000 | |
| PROJ.CATEGORY | <u>SCHEDULE. INCLUDES WORK FROM DELETED</u> | | | | |
| STATEWIDE | <u>PROJECTS I-5772, I-5804, I-5917.</u> | | | | |

| | | | | | |
|---------------|--|--------------|-----------|-------------|-----|
| R-5713 | US 74, US 74 BUSINESS TO NC 226. CONSTRUCT | RIGHT-OF-WAY | FY 2019 - | \$100,000 | (T) |
| CLEVELAND | ACCESS MANAGEMENT IMPROVEMENTS. | UTILITIES | FY 2019 - | \$100,000 | (T) |
| PROJ.CATEGORY | <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u> | CONSTRUCTION | FY 2019 - | \$3,000,000 | (T) |
| REGIONAL | <u>DESIGN DELAY RIGHT-OF-WAY FROM FY 18 TO FY 19</u> | | | \$3,200,000 | |

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* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP MODIFICATIONS**

DIVISION 13

| | | | | | |
|---------------|--|--------------|---------|-----------|-----|
| * U-5971A | ASHEVILLE, US 19 (PATTON AVENUE) AND NC 63 (NEW | CONSTRUCTION | FY 2018 | \$500,000 | (T) |
| BUNCOMBE | LEICESTER HIGHWAY). CONSTRUCT INITIAL | | | \$500,000 | |
| PROJ.CATEGORY | INTERSECTION IMPROVEMENTS. | | | | |
| REGIONAL | <u>PROJECT BEING BROKEN INTO TWO SEGMENTS (A & B)</u> | | | | |

| | | | | | |
|---------------|--|--------------|---------|-------------|-----|
| * U-5971B | ASHEVILLE, US 19 (PATTON AVENUE) AND NC 63 (NEW | RIGHT-OF-WAY | FY 2019 | \$400,000 | (T) |
| BUNCOMBE | LEICESTER HIGHWAY). CONSTRUCT FINAL | UTILITIES | FY 2019 | \$100,000 | (T) |
| PROJ.CATEGORY | INTERSECTION IMPROVEMENTS. | CONSTRUCTION | FY 2022 | \$2,200,000 | (T) |
| REGIONAL | <u>PROJECT BEING BROKEN INTO TWO SEGMENTS (A & B)</u> | | | \$2,700,000 | |

DIVISION 14

| | | | | | |
|---------------|--|--------------|-----------|-----------|-------|
| * EB-5859 | HAZELWOOD AVENUE (PLOTT CREEK ROAD), | ENGINEERING | FY 2018 - | \$20,000 | (TAP) |
| HAYWOOD | HAZELWOOD AVENUE (PLOTT CREEK ROAD), | | FY 2018 - | \$5,000 | (L) |
| PROJ.CATEGORY | RICHLAND CREEK BRIDGE TO WILL HYATT ROAD. | CONSTRUCTION | FY 2018 - | \$60,000 | (TAP) |
| DIVISION | CONSTRUCT PEDESTRIAN IMPROVEMENTS. | | FY 2018 - | \$15,000 | (L) |
| | <u>DELETE RIGHT OF WAY AT REQUEST OF DIVISION AND ACCELERATE PRELIMINARY ENGINEERING AND CONSTRUCTION FROM FY 23 TO FY 18 TO REFLECT CURRENT DIVISION DELIVERY SCHEDULE</u> | | | \$100,000 | |

STATEWIDE

| | | | | | |
|---------------|---|--------------|-----------|--------------|--------|
| * R-5753 | VARIOUS, FEDERAL LANDS TRANSPORTATION | CONSTRUCTION | FY 2018 - | \$9,812,000 | (FLTP) |
| STATEWIDE | PROGRAM (FLTP). ROAD AND BRIDGE | | FY 2019 - | \$1,794,000 | (ERFO) |
| PROJ.CATEGORY | IMPROVEMENTS TO BE CONSTRUCTED ON | | FY 2019 - | \$9,955,000 | (FLTP) |
| EXEMPT | TRANSPORTATION FACILITIES THAT ARE OWNED BY | | FY 2020 - | \$35,062,000 | (FLTP) |
| | THE FEDERAL GOVERNMENT THAT PROVIDE ACCESS | | | \$56,623,000 | |
| | <u>PROJECT MODIFIED TO REFLECT CURRENT FUNDING LEVELS.</u> | | | | |

STIP DELETIONS**DIVISION 2**

| | | | | | |
|----------|---|--------------|-----------|--------------|-----|
| U-5740 | US 70 (ARENDELL STREET), MOREHEAD CITY TO | RIGHT-OF-WAY | FY 2022 - | \$4,728,000 | (T) |
| CARTERET | BEAUFORT CAUSEWAY. WIDEN AND IMPROVE | UTILITIES | FY 2022 - | \$567,000 | (T) |
| | NEWPORT RIVER BRIDGE. | CONSTRUCTION | FY 2022 - | \$2,605,000 | (T) |
| | <u>DELETE, WORK TO BE ACCOMPLISHED UNDER PROJECT U-5876.</u> | | FY 2023 - | \$16,501,000 | (T) |
| | | | FY 2024 - | \$16,501,000 | (T) |
| | | | FY 2025 - | \$16,501,000 | (T) |
| | | | | \$57,403,000 | |

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* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP DELETIONS**

DIVISION 8

| | | | | | |
|---------------|---|--------------|-----------|-----------|-------|
| * EB-5740 | NC 42 (SALISBURY STREET), NORTH ELM STREET TO | CONSTRUCTION | FY 2018 - | \$760,000 | (TAP) |
| RANDOLPH | DUBLIN ROAD IN ASHEBORO. CONSTRUCT SIDEWALK | | FY 2018 - | \$190,000 | (L) |
| PROJ.CATEGORY | ON BOTH SIDES. | | | \$950,000 | |
| DIVISION | <u>DELETE AT THE REQUEST OF MPO. PROJECT DECLINED BY TOWN.</u> | | | | |

| | | | | | |
|---------------|---|--------------|-----------|-----------|-------|
| * EB-5872C | SR 1108 (WEST BOULEVARD), EAST OF US 15 / US 401 / | CONSTRUCTION | FY 2020 - | \$174,000 | (TAP) |
| SCOTLAND | US 501 (MCCOLL ROAD) TO SUNSET DRIVE IN | | FY 2020 - | \$44,000 | (L) |
| PROJ.CATEGORY | LAURINBURG. | | | \$218,000 | |
| DIVISION | <u>PROJECT BREAK DELETED AT DIVISION REQUEST - WORK TO BE ACCOMPLISHED UNDER EB-5872A.</u> | | | | |

DIVISION 10

| | | | | | |
|---------------|---|--------------|-----------|-------------|------------|
| * B-5991 | SR 1681, REPLACE BRIDGE 890021 OVER STEWART'S | RIGHT-OF-WAY | FY 2021 - | \$116,000 | (STBG OFF) |
| UNION | CREEK. | UTILITIES | FY 2021 - | \$116,000 | (STBG OFF) |
| PROJ.CATEGORY | <u>DELETE, WORK TO BE ACCOMPLISHED UNDER</u> | CONSTRUCTION | FY 2022 - | \$2,093,000 | (STBG OFF) |
| DIVISION | <u>PROJECT 17BP.10.R.150</u> | | | \$2,325,000 | |

| | | | | | |
|---------------|---|--------------|-----------|-----------|--------|
| * C-5503 | US 601 NC 24/NC 27, US 601 AND NC 24/NC 27 IN | ENGINEERING | FY 2018 - | \$11,000 | (CMAQ) |
| CABARRUS | MIDLAND. CONSTRUCT SIDEWALKS. | | FY 2018 - | \$3,000 | (L) |
| PROJ.CATEGORY | <u>DELETE, WORK TO BE ACCOMPLISHED UNDER</u> | CONSTRUCTION | FY 2018 - | \$101,000 | (CMAQ) |
| EXEMPT | <u>PROJECT C-5503</u> | | FY 2018 - | \$25,000 | (L) |
| | | | | \$140,000 | |

| | | | | | |
|---------------|--|-------------|-----------|-------------|------|
| * U-5904 | US 21 (STATESVILLE ROAD), SUNSET ROAD TO NC 24 | ENGINEERING | FY 2018 - | \$1,000,000 | (BA) |
| MECKLENBURG | (W.T. HARRIS BOULEVARD). WIDEN ROADWAY. | | | \$1,000,000 | |
| PROJ.CATEGORY | <u>DELETE AT THE REQUEST OF MPO.</u> | | | | |
| EXEMPT | | | | | |

DIVISION 12

| | | | | | |
|---------------|---|--------------|-----------|-------------|------------|
| * B-5849 | SR 1002 (NUMBER ONE SCHOOL ROAD), REPLACE | RIGHT-OF-WAY | FY 2019 - | \$50,000 | (STBG OFF) |
| CLEVELAND | BRIDGE 220104 OVER ASHWORTH CREEK. | CONSTRUCTION | FY 2020 - | \$960,000 | (STBG OFF) |
| PROJ.CATEGORY | <u>DELETE, WORK TO BE ACCOMPLISHED UNDER A</u> | | | \$1,010,000 | |
| DIVISION | <u>FUTURE 17BP PROJECT.</u> | | | | |

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* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2018-2027 STIP
HIGHWAY PROGRAM
STIP DELETIONS

DIVISION 12

| | | | | | |
|---|---|--------------|------------------------|---|--------------------|
| * I-5772 IREDELL PROJ.CATEGORY STATEWIDE | I-40, 1.4 MILES EAST OF I-77 TO SR 2167 (WARD ROAD). PAVEMENT REHABILITATION. <u>DELETE, WORK TO BE ACCOMPLISHED UNDER PROJECT I-5915.</u> | CONSTRUCTION | FY 2019 - | <u>\$10,250,000</u> \$10,250,000 | (NHPIM) |
| * I-5804 IREDELL PROJ.CATEGORY STATEWIDE | I-40, SR 1639 (MEACHAM ROAD) TO 0.3 MILE EAST OF US 21. PAVEMENT REHABILITATION. <u>DELETE, WORK TO BE ACCOMPLISHED UNDER PROJECT I-5915.</u> | CONSTRUCTION | FY 2021 - | <u>\$3,500,000</u> \$3,500,000 | (NHPIM) |
| I-5813 IREDELL PROJ.CATEGORY STATEWIDE | I-77, 0.3 MILE NORTH OF SR 2321 (EAST BROAD STREET) TO SR 1892 (JENNINGS ROAD). PAVEMENT REHABILITATION. <u>DELETE, WORK TO BE ACCOMPLISHED UNDER PROJECT I-3819.</u> | CONSTRUCTION | FY 2020 - | <u>\$1,900,000</u> \$1,900,000 | (NHPIM) |
| * I-5917 IREDELL PROJ.CATEGORY STATEWIDE | I-40, MILEMARKER 139.3 TO US 64. PAVEMENT REHABILITATION. <u>DELETE, WORK TO BE ACCOMPLISHED UNDER PROJECT I-5915.</u> | CONSTRUCTION | FY 2024 - FY 2025 - | \$2,300,000 \$2,300,000 \$4,600,000 | (NHPIM) (NHPIM) |

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* INDICATES FEDERAL AMENDMENT



NORTH CAROLINA Department of Transportation



Financial Update

As of February 2018

Evan Rodewald, Chief Financial Officer

April 4, 2018

Financial Update

SFYTD 2018 as compared SFYTD 2017

| Dollars in Millions | Month over Month | | Year to Date | | |
|---------------------|------------------|--------------|-----------------|-----------------|------------|
| | February '18 | February '17 | February '18 | February '17 | \$ Change |
| Collections | \$ 454 | \$ 461 | \$ 3,443 | \$ 3,721 | \$ (278) |
| Expenditures | <u>410</u> | <u>374</u> | <u>3,714</u> | <u>3,437</u> | <u>277</u> |
| Net Change | \$ 44 | \$ 87 | \$ (271) | \$ 284 | \$ (555) |
| | | | | | |
| Cash Balances: | | | February '18 | February '17 | |
| Trust Fund | | | \$ 1,720 | \$ 1,660 | |
| Highway Fund* | | | <u>94</u> | <u>432</u> | |
| Totals | | | <u>\$ 1,814</u> | <u>\$ 2,092</u> | |

*Excludes bond proceeds held by Trustee & GARVEE Debt Service Reserve

Revenue Summary February 2018

(\$ in Millions)

| | February 2018 | February 2017 | Year Over Year | | | | SFY Budget | |
|--|------------------|------------------|---------------------|---------------------|----------------|-----------|-------------------|------------|
| | | | 2017-2018 Actual | 2016-2017 Actual | \$ | % | Annual Budget | % |
| State & Federal Collections: | | | | | | | | |
| Highway Fund * | \$ 165.1 | \$ 168.1 | \$ 1,417.9 | \$ 1,402.5 | \$ 15.4 | 1% | 2,191.0 | 65% |
| Highway Trust Fund * | 114.5 | 112.4 | 997.1 | 977.6 | 19.5 | 2% | 1,547.1 | 64% |
| Total State Funds | 279.6 | 280.6 | 2,415.0 | 2,380.0 | 34.9 | 1% | \$ 3,738.1 | 65% |
| Federal Funds/Participation ** | 82.5 | 81.3 | 768.3 | 811.3 | (43.0) | -5% | 1,044.9 | 74% |
| GARVEE Reimbursement/NCTA | 92.0 | 99.0 | 259.7 | 530.1 | (270.4) | - | N/A | N/A |
| Total | \$ 454.1 | \$ 460.8 | \$ 3,443.0 | \$ 3,721.4 | \$ (278.5) | -7% | \$ 4,783.0 | 72% |
| | | | | | | | | |
| | February 2018 | February 2017 | Year Over Year | | | | SFY Budget | |
| | | | 2017-2018 Actual | 2016-2017 Actual | \$ | % | Annual Budget | % |
| * Memo | | | | | | | | |
| Highway Fund & Trust Fund Details | | | | | | | | |
| Motor Fuel Taxes | \$ 140.9 | \$ 146.0 | \$ 1,314.6 | \$ 1,277.2 | \$ 37.4 | 3% | \$ 1,961.8 | 67% |
| Highway Use Tax | 59.7 | 59.0 | 513.3 | 507.9 | 5.4 | 1% | 820.8 | 63% |
| DMV/Other Revenue | 73.0 | 70.2 | 568.1 | 581.1 | (12.9) | -2% | 939.8 | 60% |
| Investment Income | 6.0 | 5.3 | 19.0 | 13.9 | 5.1 | | 15.6 | N/A |
| Total | <u>\$ 279.6</u> | <u>\$ 280.6</u> | <u>\$ 2,415.0</u> | <u>\$ 2,380.0</u> | <u>\$ 34.9</u> | <u>1%</u> | <u>\$ 3,738.1</u> | <u>65%</u> |

****Estimated Federal Revenue including the FAST ACT is \$1,160 million**

Expenditure Summary February 2018

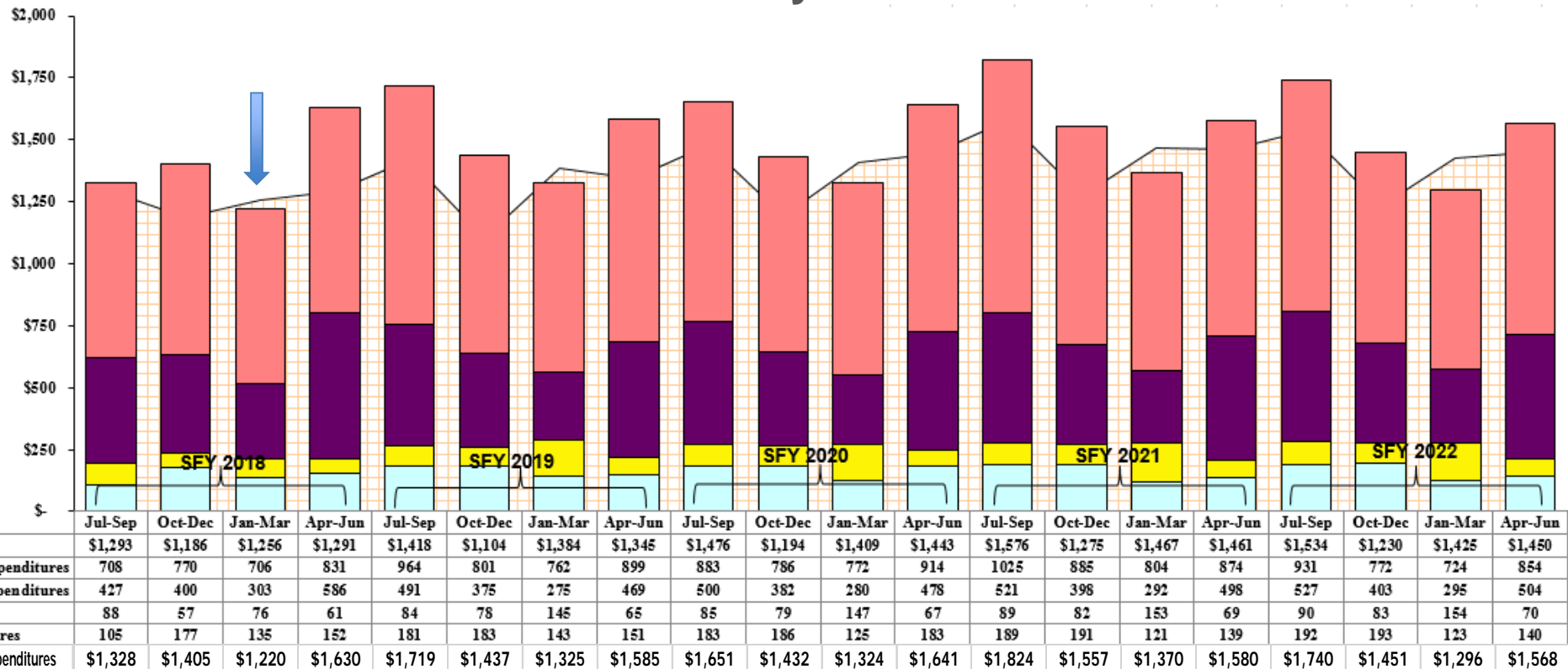
(\$ in millions)

| | | | Year Over Year | | | | SFY Annual Budget | |
|---|-----------------|-----------------|---------------------|---------------------|-----------------|------------|---------------------|------------|
| | February-18 | February-17 | 2017-2018 Actual | 2016-2017 Actual | \$ | % | 2017-2018 Budget | % |
| State & Federal Funded Programs: | | | | | | | | |
| Construction | \$ 184.4 | \$ 130.5 | \$ 1,795.1 | \$ 1,515.3 | \$ 279.9 | 18% | \$ 2,319.7 | 77% |
| Maintenance | 65.3 | 73.9 | 978.5 | 863.5 | 115.0 | 13% | 1,353.5 | 72% |
| Public Transportation | 6.2 | 7.6 | 86.9 | 68.8 | 18.1 | 26% | 131.8 | 66% |
| Other Modal/Other Programs | 13.3 | 9.5 | 105.4 | 99.0 | 6.4 | 6% | 246.2 | 43% |
| Administration | 21.8 | 23.0 | 105.8 | 116.6 | (10.8) | NA | 322.7 | 33% |
| Municipal Aid | - | - | 147.7 | 147.2 | 0.5 | 0% | 147.5 | 100% |
| Transfers to Other Agencies | 0.3 | 3.8 | 42.3 | 30.3 | 12.1 | NA | 61.0 | 69% |
| Total Expenditures | \$ 291.3 | \$ 248.4 | \$ 3,261.8 | \$ 2,840.6 | \$ 421.2 | 15% | \$ 4,582.4 | 71% |
| | | | | | | | | |
| GARVEE/NCTA/Special Initiatives | \$ 118.6 | \$ 125.6 | \$ 452.5 | \$ 596.5 | \$ (144.0) | | 200.6 | |
| | | | | | | | | |
| Total | \$ 409.9 | \$ 374.0 | \$ 3,714.4 | \$ 3,437.1 | \$ 277.2 | | 4,783.0 | |

Revenue and Expenditure Variances as of February 2018

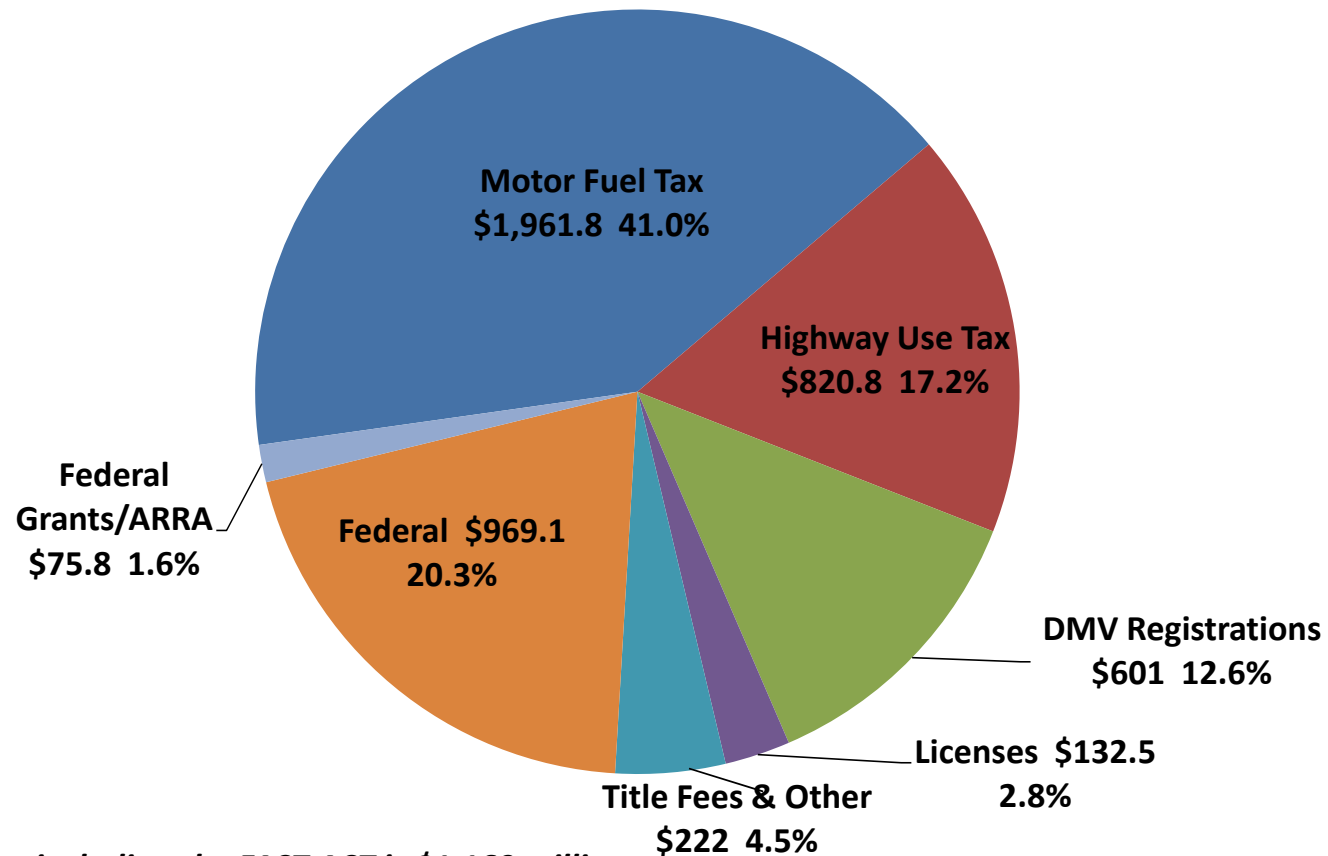
| RECEIPTS | | |
|---|------------------------|--|
| State & Federal Receipts: | Variance >5% | Reason for Variance |
| DMV/Other Revenue | <7%> | HUT, Vehicle registration/titles and driver's license renewals are down due to the decrease in car sales(NC and nationally). |
| EXPENDITURES | | |
| State & Federal Funded Programs: | Variance >5% | Reason for Variance |
| Construction | 10% | Construction expenditures are more than budget due to project acceleration efforts |
| Other Modal/Other Programs | <24%> | Aviation expenditures are down due to the slow disbursement of new funding provided for capital improvements at commercial airports. |
| Administration | <34%> | Admin is down due to the IT carryforward. FY17 IT carryforward was \$67.8M. DOT is still spending prior year's appropriations |

60 Month Revenue & Expenditure Projections as of February 2018



NCDOT Revenue Sources SFY2018 - \$4.8 Billion

(Excludes Receipt Supported Funding of \$0.1B)

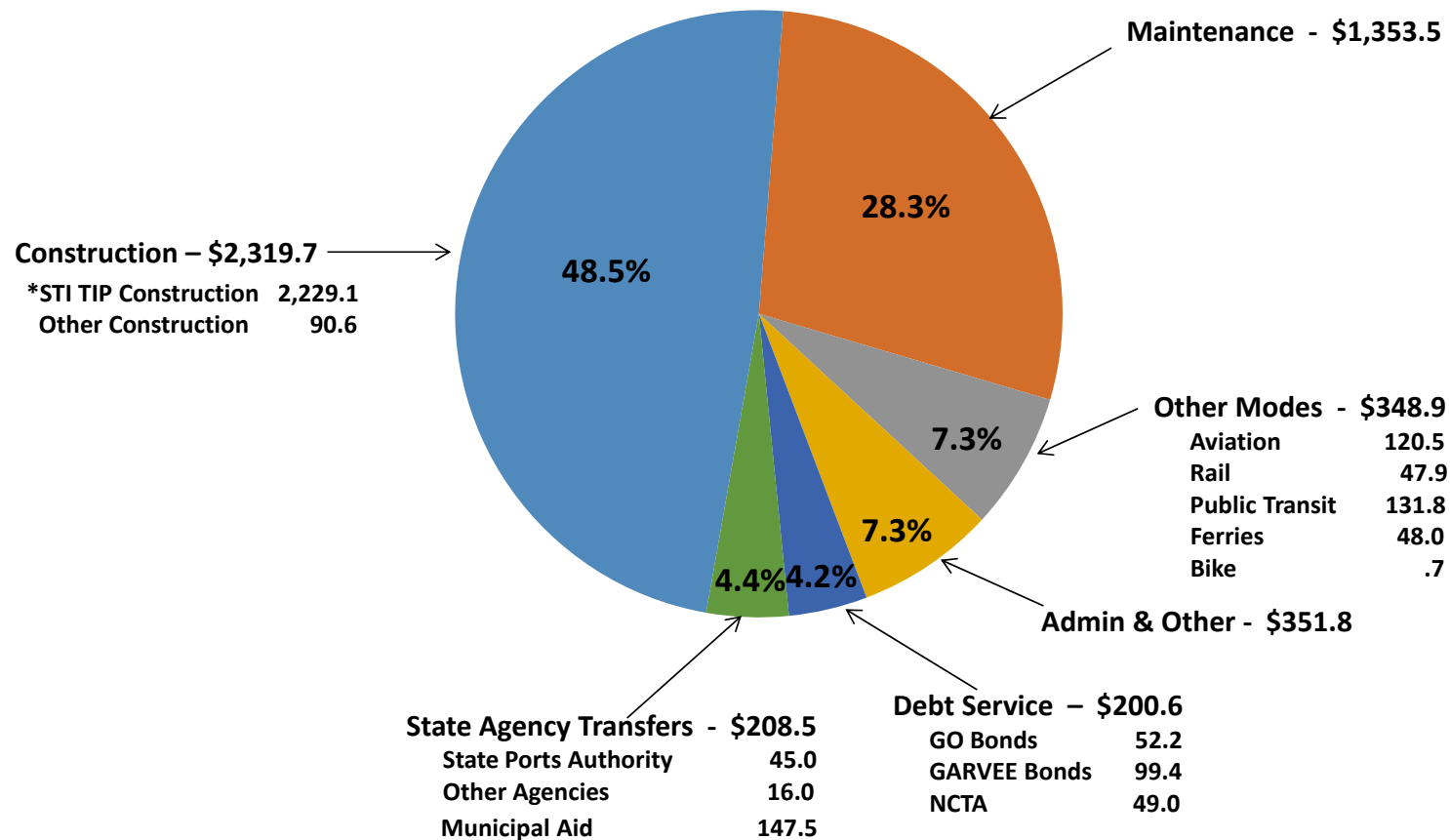


**Estimated Federal Revenue including the FAST ACT is \$1,160 million*

Uses of 2017-18 NCDOT Appropriations

Total Funding = \$4.8 Billion

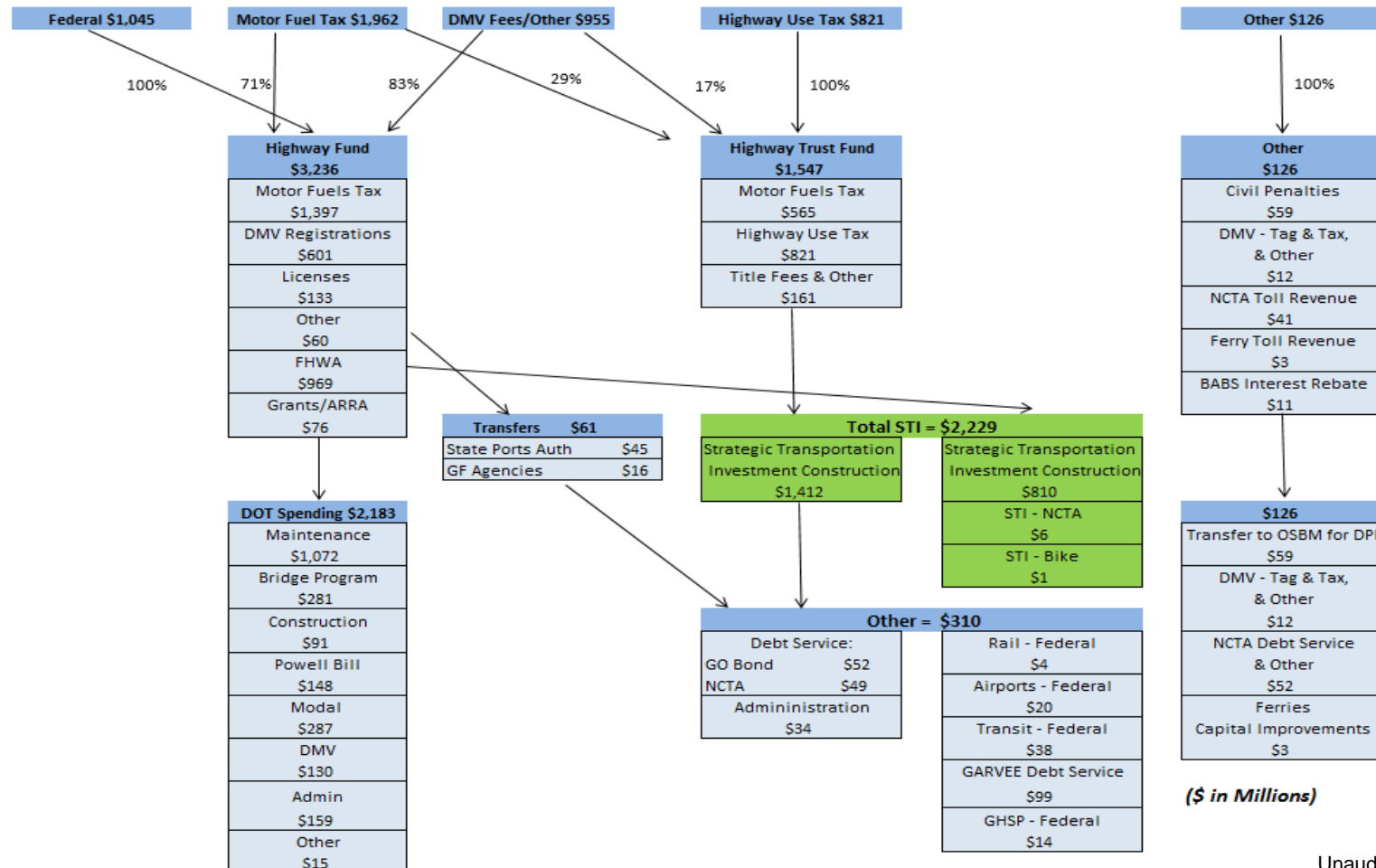
(Excludes Receipt Supported Funding of \$0.1B)



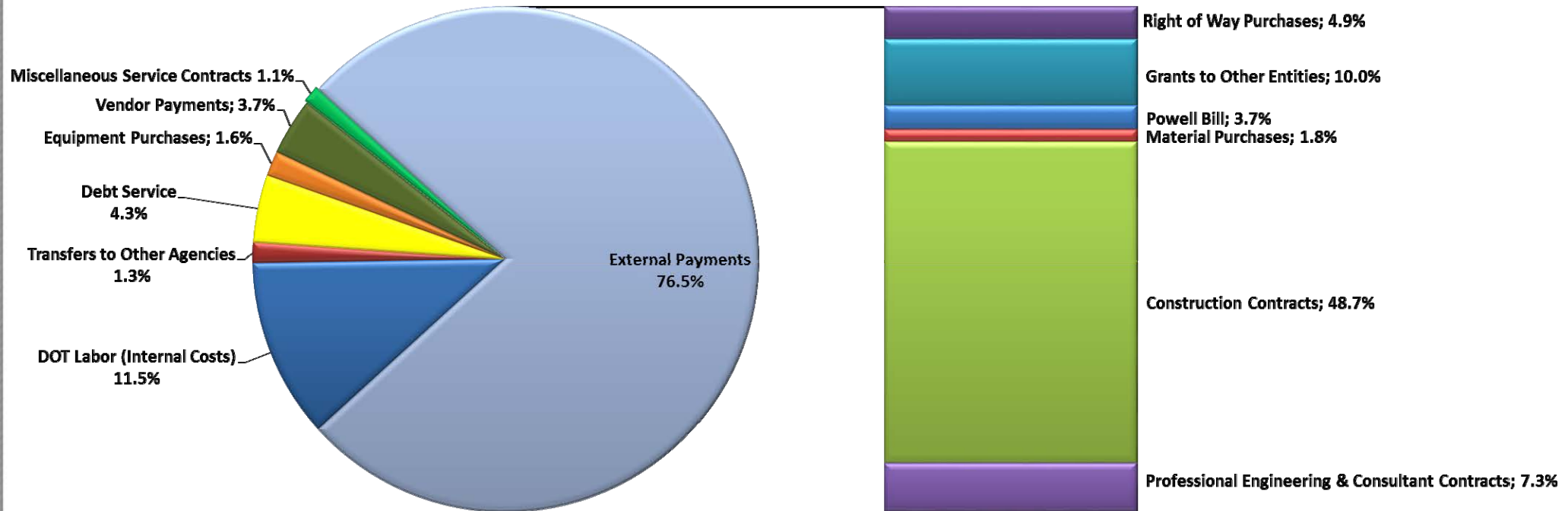
(\$ in millions)

SFY2018 NCDOT Sources and Uses

Total Funding = \$4.9 Billion



NCDOT Expenditures SFY2018 as of February 28, 2018





North Carolina Department of Transportation
Transportation Program Management Unit - Value Management
Innovative Technologies and Products Awareness Report
April 5, 2018



TECHNOLOGY INNOVATION – Blended After-Treatment System (BATS)

The NCDOT Rail Division, in partnership with Rail Propulsion Systems (RPS), developed the Blended After-Treatment System (BATS) which is designed to reduce four EPA identified diesel exhaust pollutants: nitrogen oxides, carbon monoxide, hydrocarbons and particulate matter. The technology uses catalytic reduction to chemically remove diesel engine emission pollutants from the locomotive's exhaust before they are released into the air. The Rail Division has collaborated with RPS for the past two years to install and test the functionality of BATS. In February, the EPA certified the emissions reduction system for NC 1859, one of NCDOT's F59PH passenger locomotives, making NCDOT the first rail agency in the country to successfully demonstrate the technology on an in-service passenger locomotive. With the completed prototype, the Rail Division is reaching out to regional manufacturers to incorporate the BATS into the current fleet. One locomotive will be outfitted at a time with an estimated completion by the end of 2019. This is an update from the previous report provided to the Board of Transportation in 2017.

The EPA certification will enable the Rail Division to pursue state and federal grants to retrofit its full fleet with BATS, further reducing air pollution along the NCDOT Piedmont route between Raleigh and Charlotte. Half of the state's population is within one hour (approximately 40-50 miles) of the corridor and every county along the Piedmont rail corridor has high levels of one or more types of air pollution. By implementing BATS, the Rail Division is working to improve air quality across the state, including the major metropolitan areas that are expected to see a population boom in the coming years. Implementing BATS is a cost effective way to achieve air pollution reductions equivalent to new locomotives. NCDOT owns six F59PH diesel locomotives and is acquiring two more.



NC 1859, the first locomotive fitted with BATS and certified by the EPA

A new locomotive with the latest emission controls can cost as much as \$10 million. Implementing the BATS onto the fleet of eight locomotives can be done for approximately \$5 million, which can save \$75 million when compared to purchasing eight new locomotives to meet the highest EPA standards.

A chart showing EPA emission tiers is shown on the right. The BATS is being fitted with additional subsystems to further reduce emissions. Future BATS systems should be equivalent to EPA Tier 4. Additionally the Rail Division has considered using biodiesel fuels in place of standard locomotive fuel to further reduce emissions.

Prototype BATS → Certified Tier 3+

Production BATS → Tier 4 equivalent

BATS + biodiesel → projected Tier 4+

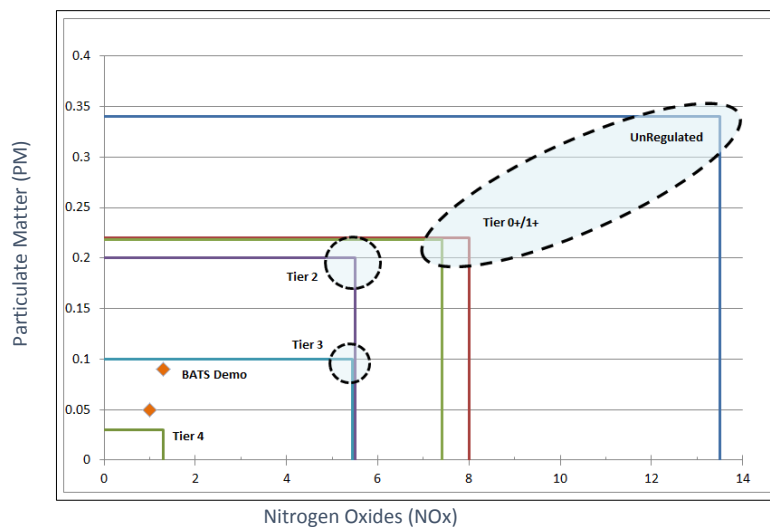
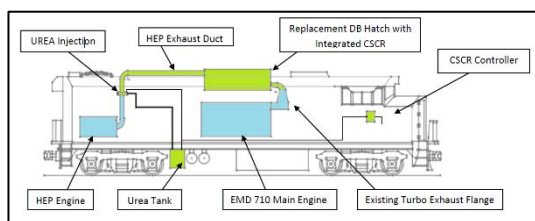


Diagram of system showing the various parts. This is a "fail safe" system that works independently from the engine.

For more information contact
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919-858-6611.



North Carolina Department of Transportation
Transportation Program Management Unit - Value Management
Innovative Technologies and Products Awareness Report
April 5, 2018



RESOURCE CONSERVATION WEBSITE

The NCDOT resource conservation program recently introduced the online reporting tool for Department personnel and our partners to easily report the materials that have been diverted from the landfill. This information has to be reported per NC GS 136-28.8.

<https://connect.ncdot.gov/resources/Products/Pages/Recycle.aspx>

The following screen shots display part of the form that appears when you follow the link above. From here, the NCDOT Engineer or Contractor can report on recycled materials by including the Division Number associated with the project, the location, the project number or other location marker, the state fiscal year (SFY), and the material quantities. There is no limit to the number of submissions someone can make. If it is helpful to report at the end of each contract, project, or month – that's okay! We tabulate the information at the end of the SFY to include in the final report that is submitted to the Department of Environmental Quality by October 1 each year.

Recycle Form

Division #

Reporting Location

Fiscal Year

Mulch (for Wood)
cubic yards

Mulch (for Hydr mulch)
bale

Compost Material
cubic yards

Signal Heads

Silt Fence Posts
each

Sheet Pile
square feet

Cable Guiderail
linear feet

Other
Other items not described

The Resource Conservation Program is working to streamline the reporting process by collecting the information that is available from HiCAMS* including flyash, glass beads, recycled asphalt pavement (RAP), recycled asphalt shingles (RAS), tires, etc. This will remove redundancy and make reporting simpler.

**HiCAMS is the system used by the Department to track materials and work accomplished on NCDOT's Construction projects.*

Approved Products List

The Approved Products List has over 500 products with reported recycled material. Every day the Product Evaluation Program receives applications for new products that are finding innovative ways of using reused or recycled materials. Of those, 160 products are comprised of over 50% recycled materials and 75 have over 90% recycled materials – the majority of which is from recycled steel. We are constantly on the look-out for innovative products that are environmentally friendly.

Advantage Cast Iron Premier ADA Tactile Detectable Warning Tiles

Recently approved, this product is used for curb ramps, pedestrian crossings, transit platforms, vehicular passage ways, and passage ways. This product is lightweight and easy to install and made out of >90% recycled steel which after use can be recycled again.

More information can be found at: <https://www.advantagetactile.com/>



Image of installed product.



NORTH CAROLINA Department of Transportation



Prioritization 5.0 Update

David Wasserman, P.E.
SPOT and Western STIP Region Manager

April 4, 2018

"Article 14B.

Strategic Prioritization Funding Plan for Transportation Investments.

§ 136-189.10. Definitions.

The following definitions apply in this Article:





STATE TRANSPORTATION IMPROVEMENT PROGRAM (STIP)



2020-2029

2019

July 2019

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

P5.0 Scoring Changes

Highways

- Revised Freight scoring and increased weight in Statewide
- Added Safety Benefits
- Updated Economic Competitiveness

Rail – Reorganized & clarified criteria

Public Transportation – Complete revamp to 3 categories

Bike&Ped, Aviation – Minor changes

Ferry – No changes

Scoring Process

Projects Submitted

- Data reviewed
- Quantitative scores calculated

P5.0 Submittals

Highways – 1204 projects (\$54.5 B)

- 277 automatic carryovers from P4.0
- 927 submittals

Non-Highways – 942 projects (\$7.4B Cost to NCDOT)

- 100 automatic carryovers from P4.0
- 842 submittals

P5.0 Project Scoring

October 2017 – March 2018

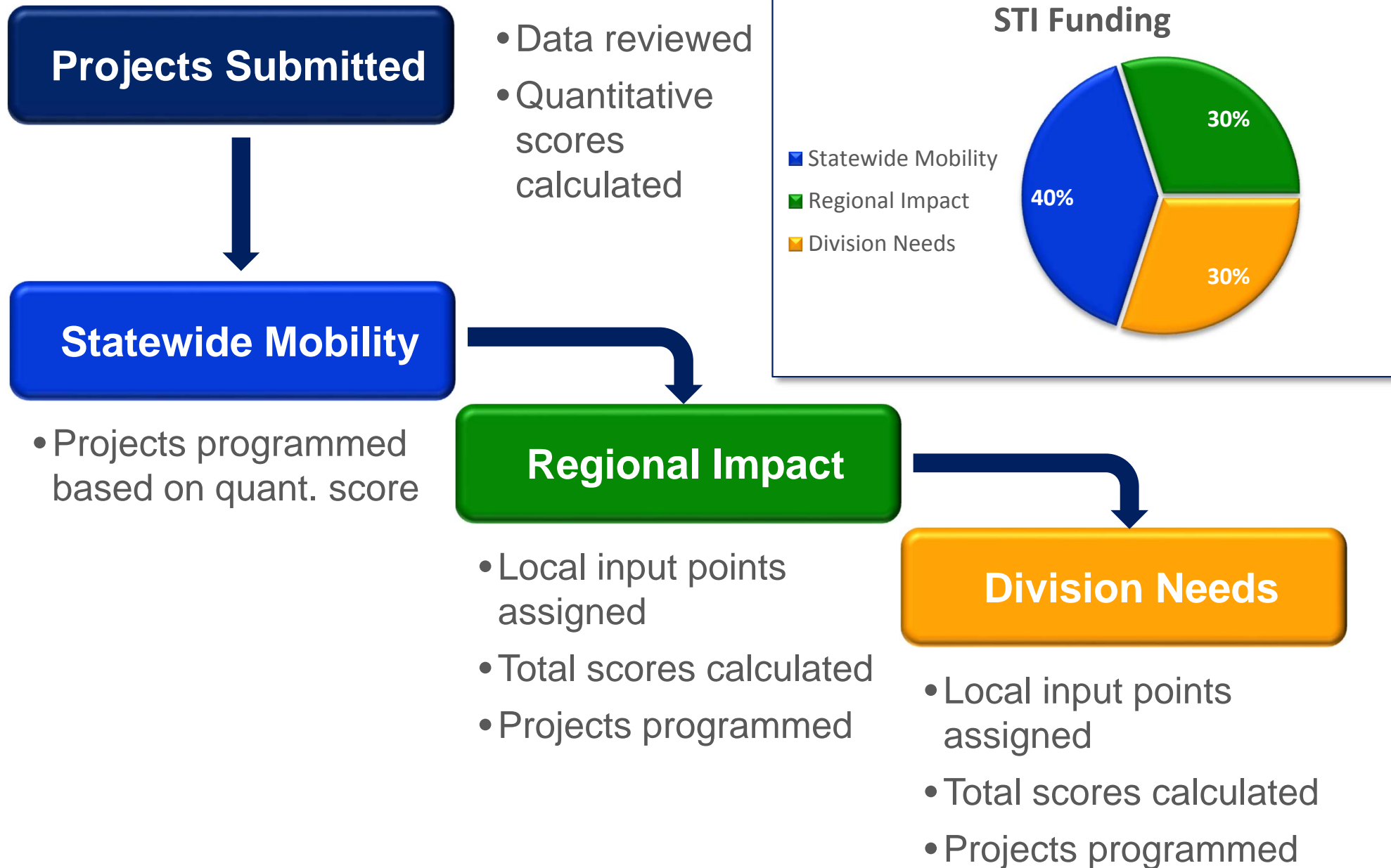
SPOT closely coordinated with several NCDOT units

- GIS Unit – Existing roadway data; SPOT Online
- Mobility and Safety – Intersection/interchange projects; safety data
- Project Development – Project limits (logical termini)
- Feasibility Studies / Turnpike Authority – Costs and toll revenues
- Transportation Planning – Statewide Model; Peak ADT

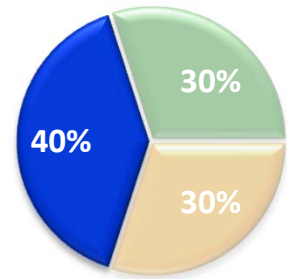
Non-highway modal Divisions – Worked with each on mode-specific scoring

MPOs, RPOs, and Divisions had 1 month period to review all data inputs, prior to quantitative scores being calculated

Scoring Process



Prioritization 5.0 – Statewide Mobility Funding Results (2020-2029)



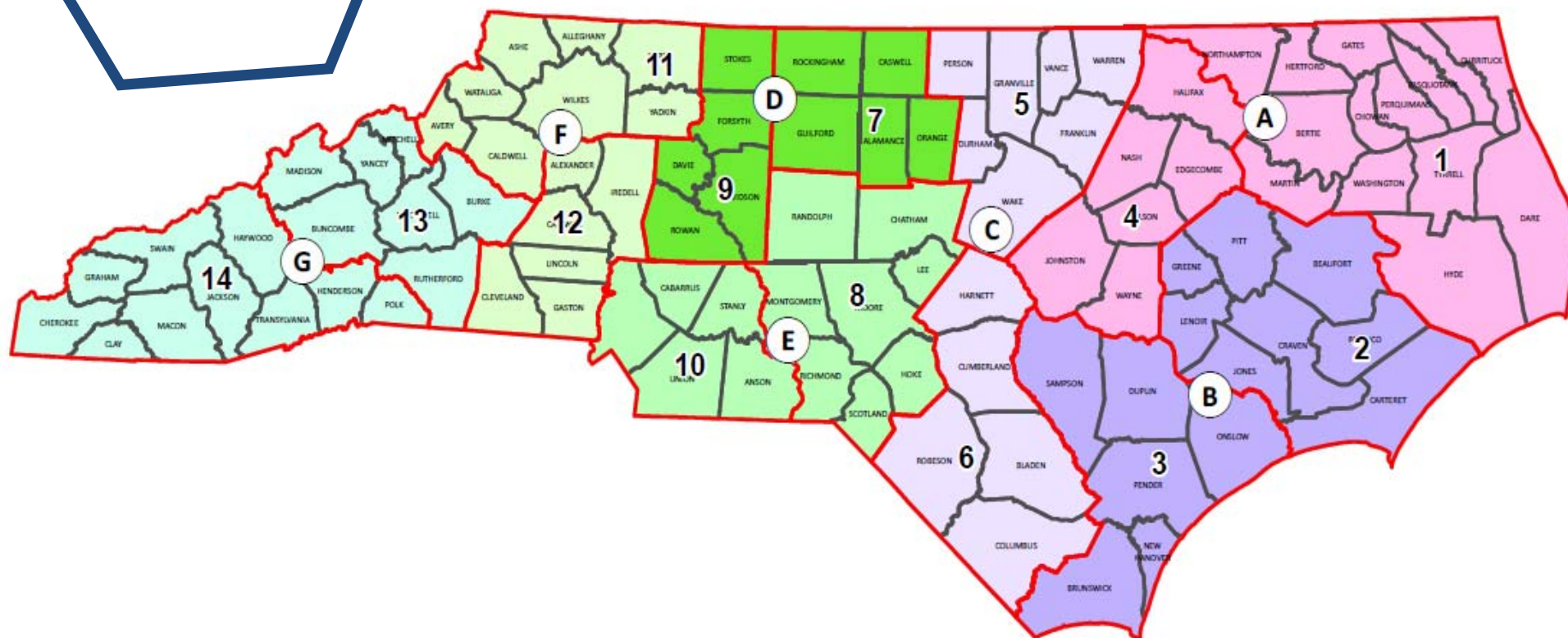
77 Projects Programmed (\$3.3B)

- 48 Highway (26 new) - \$3B
- 11 Rail (7 new) - \$270M
- 18 Aviation (9 new) - \$9M

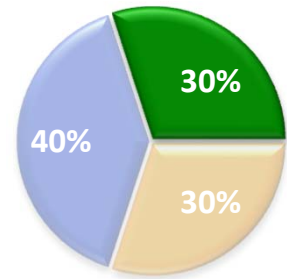
P5.0 – Summary of Top Scoring Statewide Projects

| Project | County(s) |
|--|-------------------|
| I-77 South managed lanes in Charlotte – SC State Line to I-277 (Belk) | Mecklenburg |
| I-77 / I-85 Interchange Improvements | Mecklenburg |
| US 74 Access Management Improvements through Wadesboro | Anson |
| I-87 / US 64 Widening – Knightdale to Zebulon | Wake |
| I-40 Widening from US 15/501 to I-85 | Orange |
| NC 540 Toll - Eastern Wake Freeway (Complete 540) | Wake |
| I-85 Widening west of Durham to Hillsborough | Orange, Durham |
| I-40 Widening through Hickory | Catawba |
| I-85 Widening near Gastonia – SC State Line to US 321 | Gaston |
| US 158 Access Management Improvements along the Outer Banks | Dare |
| I-40 Widening from US 311 to I-40 Business east of Winston-Salem | Forsyth, Guilford |
| I-42 (US 70) Interstate Upgrade east of Princeton to west of Goldsboro | Wayne |
| I-42 (US 70) Interstate Upgrade east of New Bern to Havelock | Craven |

Regions & Divisions



Prioritization 5.0 – Regional Impact Funding Availability (2020-2029)



| Region | Total Allocation | Amount Programmed | Amount Available for P5.0 Projects |
|-----------------------|--------------------|--------------------|------------------------------------|
| A (Divisions 1 & 4) | \$574,470 | \$294,162 | \$280,308 |
| B (Divisions 2 & 3) | \$872,344 | \$616,028 | \$256,316 |
| C (Divisions 5 & 6) | \$1,616,862 | \$1,140,346 | \$476,516 |
| D (Divisions 7 & 9) | \$1,118,161 | \$627,643 | \$490,518 |
| E (Divisions 8 & 10) | \$1,612,849 | \$1,167,493 | \$445,356 |
| F (Divisions 11 & 12) | \$824,862 | \$525,927 | \$298,935 |
| G (Division 13 & 14) | \$677,705 | \$432,887 | \$244,818 |
| Total | \$7,297,253 | \$4,804,486 | \$2,492,767 |

Amounts shown are in \$1,000s

Prioritization 5.0 – Top Scoring Regional Projects* Region A (Divisions 1 & 4)

| Project | County(s) |
|--|------------|
| Hatteras-Ocracoke Passenger Ferry | Dare, Hyde |
| I-795 (US 117) Interstate Upgrade south of Goldsboro – 4 sections | Wayne |
| US 70 Business Superstreet through Clayton | Johnston |
| Clayton Citywide Signal System | Johnston |
| US 13 (Memorial Drive) Widening in Ahoskie | Hertford |
| US 264 Alt (Raleigh Road) Access Management Improvements in Wilson | Wilson |

*Based on Quantitative Scores Only (70% of total score)

Note: Region A used Alternate Criteria for Highway Projects (-5% Congestion, +5% Freight)

Prioritization 5.0 – Top Scoring Regional Projects* Region B (Divisions 2 & 3)

| Project | County(s) |
|--|------------------------|
| Ellis Airport runway extension projects in Jacksonville | Onslow |
| Southport - Fort Fisher Ferry Expansion | Brunswick, New Hanover |
| NC 53 (Western Blvd) Superstreet Upgrade in Jacksonville | Onslow |
| Wilmington Citywide Signal System | New Hanover |
| NC 33 (10th St) Access Management Improvements in Greenville | Pitt |
| US 17 Interchange at US 17 Business in Shallotte | Brunswick |
| US 17 (Hampstead Bypass) | Pender |
| NC 24 (W. Corbett Ave) Superstreet Upgrade in Swansboro | Onslow |
| NC 132 (College Road) Access Management Improvements in Wilmington | New Hanover |

*Based on Quantitative Scores Only (70% of total score)

Prioritization 5.0 – Top Scoring Regional Projects* Region C (Divisions 5 & 6)

| Project | County(s) |
|--|------------|
| US 401 at SR 1010 (Ten-Ten Road) Interchange | Wake |
| Durham-Orange Light Rail | Durham |
| NC 41 (MLK Drive) Widening near Lumberton | Robeson |
| KARTS Expansion Vehicles | Vance |
| US 401 Superstreet Widening in Garner | Wake |
| US 401 (N. Main Street) Access Management Improvements near Lillington | Harnett |
| US 401 (Robeson Street) Access Management improvements in Fayetteville | Cumberland |
| Apex Citywide Signal System | Wake |
| US 1 Freeway Upgrade north of Wake Forest | Wake |
| NC 20 Widening near Saint Pauls | Robeson |
| NC 56 Widening near Louisburg | Franklin |

*Based on Quantitative Scores Only (70% of total score)

Prioritization 5.0 – Top Scoring Regional Projects* Region D (Divisions 7 & 9)

| Project | County(s) |
|---|-----------|
| US 220 (Wendover Ave) at Battleground Ave Intersection in Greensboro | Guilford |
| Durham-Orange Light Rail | Orange |
| NC 68 Superstreet Improvements in Greensboro | Guilford |
| NCRR Grade Separation at S. English Street | Guilford |
| Winston-Salem Northern Beltway Western Section (I-40 to NC 67) – 4 sections | Forsyth |
| US 15-501 Capacity Improvements in Chapel Hill | Orange |

*Based on Quantitative Scores Only (70% of total score)

Prioritization 5.0 – Top Scoring Regional Projects* Region E (Divisions 8 & 10)

| Project | County(s) |
|--|--------------------|
| Concord Regional Airport Runway Expansion Projects | Cabarrus |
| CSX Rail Sidings and Grade Separation in Waxhaw, Monroe, and Polkton | Union, Anson |
| NS Rail Grade Separation on Clanton Road Ext. | Mecklenburg |
| US 74 (Wadesboro Bypass) | Anson |
| I-74 (US 74) Interstate Upgrade between Hamlet and Laurinburg | Scotland, Richmond |
| US 15-501/NC 211 Interchange at Morganton Road | Moore |
| US 521 (Lancaster Hwy) Widening in Pineville | Mecklenburg |
| US 52 Widening north of Norwood | Stanly |
| US 64 / NC 751 Interchange east of Jordan Lake | Chatham |

*Based on Quantitative Scores Only (70% of total score)

Prioritization 5.0 – Top Scoring Regional Projects* Region F (Divisions 11 & 12)

| Project | County(s) |
|---|-----------|
| NC 16 Bypass Interchange at Optimist Club Road | Lincoln |
| NC 127 (2nd Street NE) Access Management Improvements in Hickory | Catawba |
| NC 150 Widening north of Denver to Lake Norman | Catawba |
| NC 27 (East Main Street) Access Management Improvements in Lincolnton | Lincoln |
| US 321 (S. York Road) Access Management Improvements in Gastonia | Gaston |
| NC 73 Widening south of Denver | Lincoln |
| US 321 Widening south of Lenoir | Caldwell |
| US 29/74 Improvements at Redbud Drive near Gastonia | Gaston |
| US 421 (Daniel Boone Parkway) | Watauga |

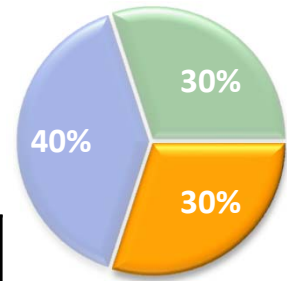
*Based on Quantitative Scores Only (70% of total score)

Prioritization 5.0 – Top Scoring Regional Projects* Region G (Divisions 13 & 14)

| Project | County(s) |
|---|-----------|
| NC 280 (Boylston Hwy) Access Management Improvements in Mills River | Henderson |
| I-26 Widening south of Hendersonville | Henderson |
| I-26 / I-240 Widening in West Asheville | Buncombe |
| I-40 Widening west of Asheville | Buncombe |

*Based on Quantitative Scores Only (70% of total score)

Prioritization 5.0 – Division Needs Funding Availability (2020-2029)



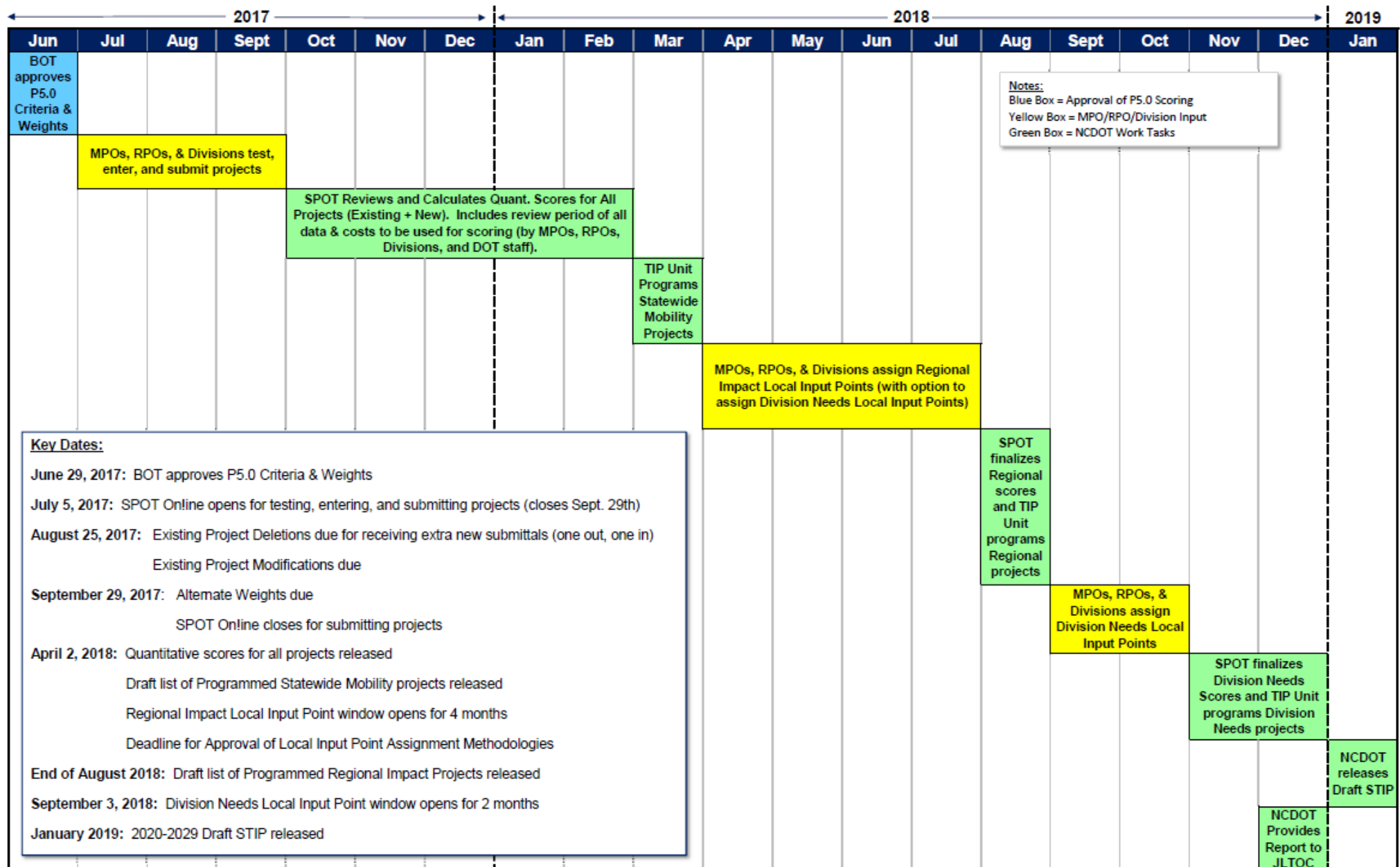
| Division | Total Allocation | Amount Programmed | Amount Available for P5.0 Projects |
|--------------|--------------------|--------------------|------------------------------------|
| Division 1 | \$501,177 | \$299,192 | \$201,985 |
| Division 2 | \$501,177 | \$356,530 | \$144,647 |
| Division 3 | \$501,177 | \$356,514 | \$144,663 |
| Division 4 | \$501,177 | \$169,915 | \$331,262 |
| Division 5 | \$501,177 | \$380,492 | \$120,685 |
| Division 6 | \$501,177 | \$274,668 | \$226,509 |
| Division 7 | \$501,177 | \$342,026 | \$159,151 |
| Division 8 | \$501,177 | \$254,167 | \$247,010 |
| Division 9 | \$501,177 | \$301,340 | \$199,837 |
| Division 10 | \$501,177 | \$326,253 | \$174,924 |
| Division 11 | \$501,177 | \$256,290 | \$244,887 |
| Division 12 | \$501,177 | \$366,244 | \$134,933 |
| Division 13 | \$501,177 | \$473,653 | \$27,524 |
| Division 14 | \$501,177 | \$348,862 | \$152,315 |
| Total | \$7,016,478 | \$4,506,146 | \$2,510,332 |

Amounts shown are in \$1,000s

Revised P5.0 Schedule of Key Dates

| Date | Activity |
|--------------------------------------|---|
| April 3, 2018 | Quantitative Scores and Draft list of Programmed Statewide Mobility Projects released |
| April 3, 2018 – July 27, 2018 | Regional Impact Local Input Points assignment window open for 4 months (Division Needs Local Input Points optional) |
| August 2018 | NCDOT calculates Regional Impact total scores and programs Regional Impact projects |
| September – October 2018 | Division Needs Local Input Point window opens for 2 months |
| November 2018 | NCDOT calculates Division Needs total scores and programs Division Needs projects |
| December 2018 | NCDOT prepares 2020-2029 Draft STIP |
| January 2019 | 2020-2029 Draft STIP released |

P5.0 Schedule



Contact Information

STRATEGIC TRANSPORTATION INVESTMENTS

Smart decisions to keep North Carolina moving.

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NORTH CAROLINA

Department of Transportation



2017 Wildflower Awards

David B Harris

April 5, 2018

World War I – 100 Years

NCDOT Wildflower Program planted 240 acres of poppies in remembrance of those who gave their life.



14 Divisions

VS.



2nd Place
Daylily

Division 11
I-77 at Exit 93
Surry County



2nd Place
Daylily

Division 11
I-77 at Exit 93
Surry County



2nd Place
Daylily

Division 11
I-77 at Exit 93
Surry County



**1st Place
Daylily**

**Division 4
US 264 at Downing St.
Wilson County**



**1st Place
Daylily**

Division 4
US 264 at Downing St.
Wilson County



1st Place
Daylily

Division 4
US 264 at Downing St.
Wilson County



2nd Place
Eastern Regional

Division 1
US 64 at Exit 512
Martin County



2nd Place
Eastern Regional

Division 1
US 64 at Exit 512
Martin County



2nd Place
Eastern Regional

Division 1
US 64 at Exit 512
Martin County



1st Place
Eastern Regional

Division 2
US 70 and NC 148
Lenoir County



1st Place
Eastern Regional

Division 2
US 70 and NC 148
Lenoir County



1st Place
Eastern Regional

Division 2
US 70 and NC 148
Lenoir County



2nd Place
Central Regional

Division 10
NC 24 at Old Concord Rd.
Mecklenburg County



2nd Place
Central Regional

Division 10
NC 24 at Old Concord Rd.
Mecklenburg County



2nd Place
Central Regional

Division 10
NC 24 at Old Concord Rd.
Mecklenburg County



1st Place
Central Regional

Division 7
I-40/85 at Mt. Hope Church Rd.
Guilford County



1st Place
Central Regional

Division 7
I-40/85 at Mt. Hope Church Rd.
Guilford County



1st Place
Central Regional

Division 7
I-40/85 at Mt. Hope Church Rd.
Guilford County



2nd Place
Western Regional

Division 12
I-77
Iredell County



2nd Place
Western Regional

Division 12
I-77
Iredell County



2nd Place
Western Regional

Division 12
I-77
Iredell County



1st Place
Western Regional

Division 14
I-40 at Exit 31
Haywood County



1st Place
Western Regional

Division 14
I-40 at Exit 31
Haywood County



1st Place
Western Regional

Division 14
I-40 at Exit 31
Haywood County



2nd Place
Best Overall
Wildflower Program

Division 9



2nd Place
Best Overall
Wildflower Program

Division 9



2nd Place
Best Overall
Wildflower Program

Division 9



2nd Place
Best Overall
Wildflower Program

Division 9



1st Place
Best Overall
Wildflower Program

Division 13



1st Place
Best Overall
Wildflower Program

Division 13



1st Place
Best Overall
Wildflower Program

Division 13



1st Place
Best Overall
Wildflower Program

Division 13



1st Place
Best Overall
Wildflower Program

Division 13



Congratulations to our 2017 NCDOT Wildflower Winners



North Carolina Scenic Byway Program
Roadside Environmental Unit

2017 Annual Report



Table of Contents

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| Highlighted Byways..... | 6-11 |
| Program Management..... | 12-19 |



Clayton Bypass Scenic Byway



Yadkin Valley Scenic Byway



Blue - Gray Scenic Byway



Big Horse Creek Scenic Byway





North Carolina Scenic Byway Program Overview



Pamlico Scenic Byway

Purpose - North Carolina Scenic Byways give visitors and residents a chance to experience a bit of North Carolina's history, geography and culture while raising awareness for the protection and preservation of these treasures. These byways are two lane country roads as well as a few of our faster-paced highways and interstates. Following the byways, you will see some of the most breathtaking scenery from the Blue Ridge Mountains to fertile plains to the crystal blue coastline.

History - The North Carolina Scenic Byway Program was officially launched in March of 1990 when 31 byways were designated by the Board of Transportation. In July of 1993, legislation was enacted to define the program and assign management of the program to the Department of Transportation. In 1994 the program's policies and administrative codes were established.

Asset Inventory - There are currently 60 designated North Carolina Scenic Byways totaling almost 2300 miles. Three of those are designated as National Scenic Byways; Cherohala Skyway, Forest Heritage Scenic Byway and the Outer Banks Scenic Byway. There is also one All American Road in North Carolina, the highest national designation possible, The Blue Ridge Parkway.

Objectives

- Provide the opportunity for identification and designation of qualifying routes
- Mark the byways with Byway Logo signs
- Provide informative and educational materials clearly defining the byway routes and their significant features (guide book, brochures, web page, etc.)
- Promote the program to provide economic benefits to communities along the byways



Scots-Welsh Heritage Byway



Little Parkway

Avery, Caldwell and Watauga Counties
Length 18 Miles

Little Parkway follows US 221 connecting Linville to Blowing Rock. The route was built in 1889 by man and mule as a toll road. The byway begins at Linville. Located along the Linville River, it lies just north of Linville Gorge Wilderness, the nation's third largest wilderness area, Linville Falls and Linville Caverns.

Little Parkway winds along the side of Grandfather Mountain. Grandfather Mountain at an elevation of 5,946 feet it is one of the highest in the Blue Ridge and is the home of 16 distinct ecological communities. Its name stems from the mountain's grandfather like profile against the sky when viewed from a distance.

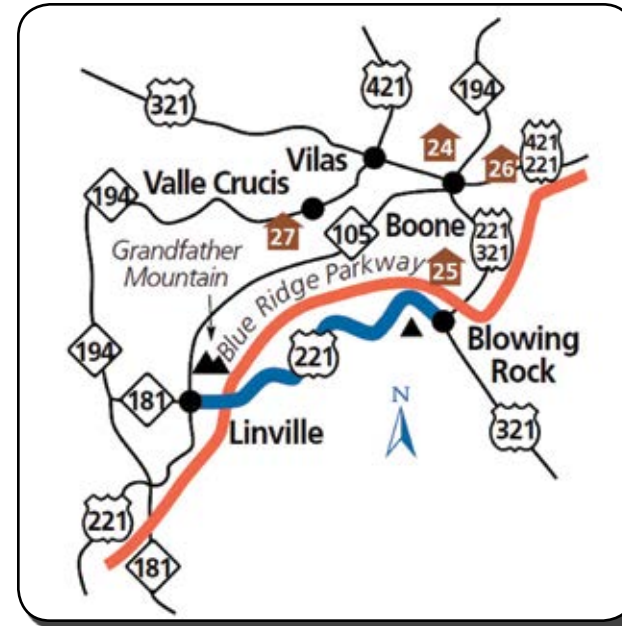


The Little Parkway is paralleled by the Blue Ridge Parkway for a portion of the drive, thus the byway name. The Blue Ridge Parkway construction began in 1935 but wasn't finished until 52 years later with the Linn Cove Viaduct forming the final link. The viaduct, located five miles north of Linville, was one of the world's first bridges to be constructed using an innovative method of building from the top down to protect the mountain's ecology. It is visible from Little Parkway.



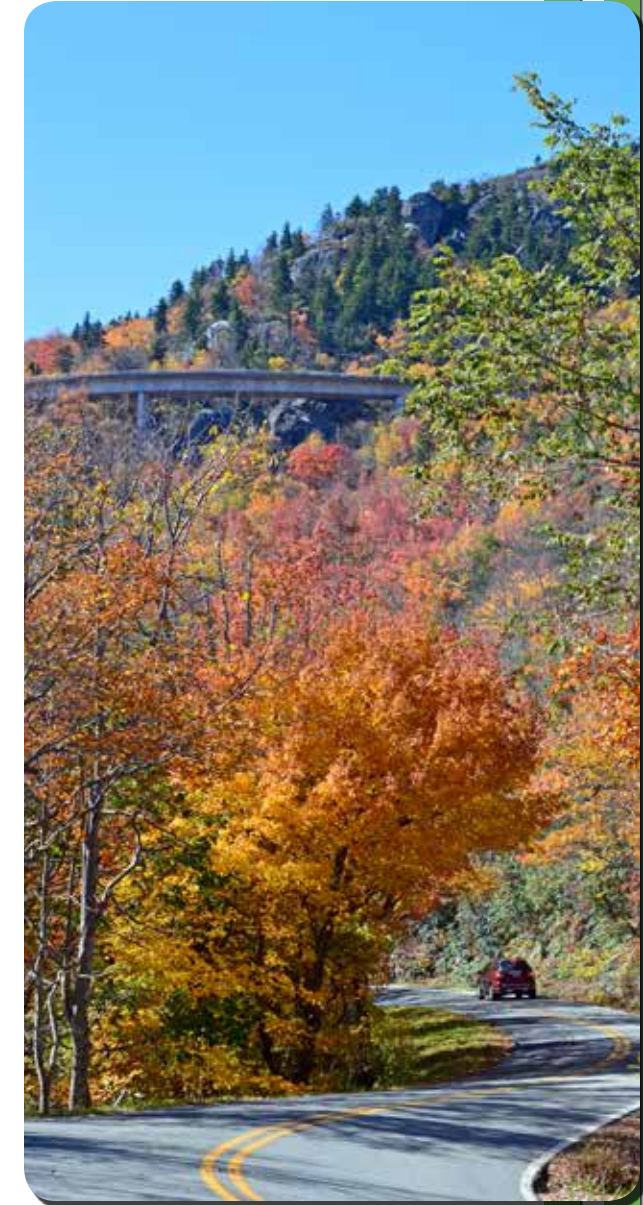
Closer to Blowing Rock the byway crosses the Eastern Continental Divide and near a large colonial revival house with huge columns. Called Westglow, the house was built by Elliott Daingerfield, one of North Carolina's most renowned artists with works in the National Gallery and the Metropolitan Museum. It is now Westglow Spa and Resort.

Before reaching Blowing Rock, there is an access ramp to the Blue Ridge Parkway. This location is close to the Moses H. Cone Memorial Park, featuring his country estate. Once called Flat Top Manor, the 13,000 square foot mansion now houses a craft shop and visitor information for parkway travelers. The park also includes two lakes and carriage trails for hiking and horseback riding.



The byway culminates in Blowing Rock, a charming resort village. The town of Blowing Rock gets its name from the rock formation that lies over 1500 feet above the Johns River Gorge. At the top of the rock formation air currents flow up from the gorge below returning like objects that are tossed over.

There is a legend of Blowing Rock that begins with a battle between the Cherokee and Catawba Native American tribes. According to the legend there were two lovers, one from each tribe. The brave was called to go to battle, but his lover begged him not to go. As they were walking together near the top of the gorge he became so distraught that he threw himself over the edge. His lover prayed for the Great Spirit to return her lover to her and her prayer was granted when a gust of wind blew the brave back up the cliff and landed him safely beside her.



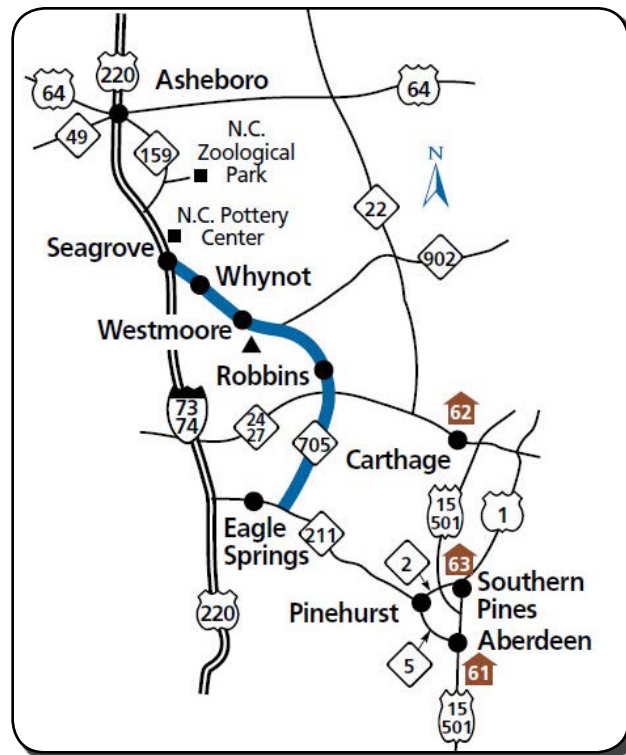
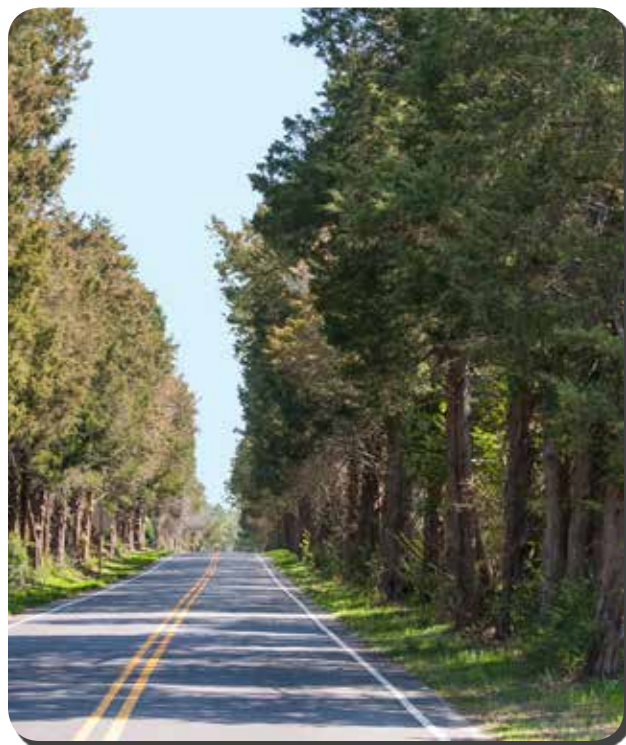


Pottery Road

Moore and Randolph Counties
Length 43 Miles

North Carolina Scenic Byway Program
Featured Byway - Piedmont

Pottery Road as the name suggest takes byway travelers through the heart of an area known worldwide for the functional and artistic pottery created there. In the 18th century, several families from England settled the area for its high quality clay, suitable for farming and making utilitarian earthenware for their everyday needs. Today, their descendants continue this craft and art form. Currently there are more than 100 potters in the area commonly referred to as Seagrove Pottery, 'the pottery capital of North Carolina' and 'the pottery capital of the world'.



The Pottery Road byway route begins in the sandhills of Moore County between Pinehurst and Eagle Springs and follows NC 705. Pinehurst, an elite golf course community, was settled in 1895 and named for the Longleaf Pine forest found there. Eagle Springs was established in 1890 and named for a mineral spring owned by the Eagle family. The byway begins with an allee of mature Cedar trees that is known locally as 'Cedar Lane'. The byway route passes through the small towns and communities of Robbins, Westmoore, and Whynot before ending in Seagrove.

Robbins began in 1795 when the gunsmith Alexander Kennedy and his family settled along Bear Creek. Kennedy Rifle Works produced long guns for American soldiers until 1838 and the town was known as Mechanics Hill. After several name changes over the years, in 1943 the town renamed once again to honor a local textile mill owner and philanthropist, Karl Robbins.

The Westmoore community is the location settled by the first potters including the Craven, Chriscoe, Cole, Luck, McNeill, Owen and Teague families. Jugtown Pottery is close by and was founded in 1917 by Jacques and Juliana Royster Busbee, artist and art enthusiasts from Raleigh. They are credited with a revival of the craft that had dwindled over the industrial revolution years with the availability of affordable glass wares. Often the entire area is referred to as Jugtown pottery.



The Whynot community of Randolph County received its name because the residents could not decide on a name. During the name debate it was 'Why not this?' and 'Why not that?' until finally someone remarked 'Why not name it Why Not and let's go home?' It stuck.

The byway culminates in Seagrove which was incorporated in 1913 and named for a local railroad official. The North Carolina Pottery Center is located here as well as the annual signature event in the fall, the Seagrove Pottery Festival.





Cape Fear Historic Byway

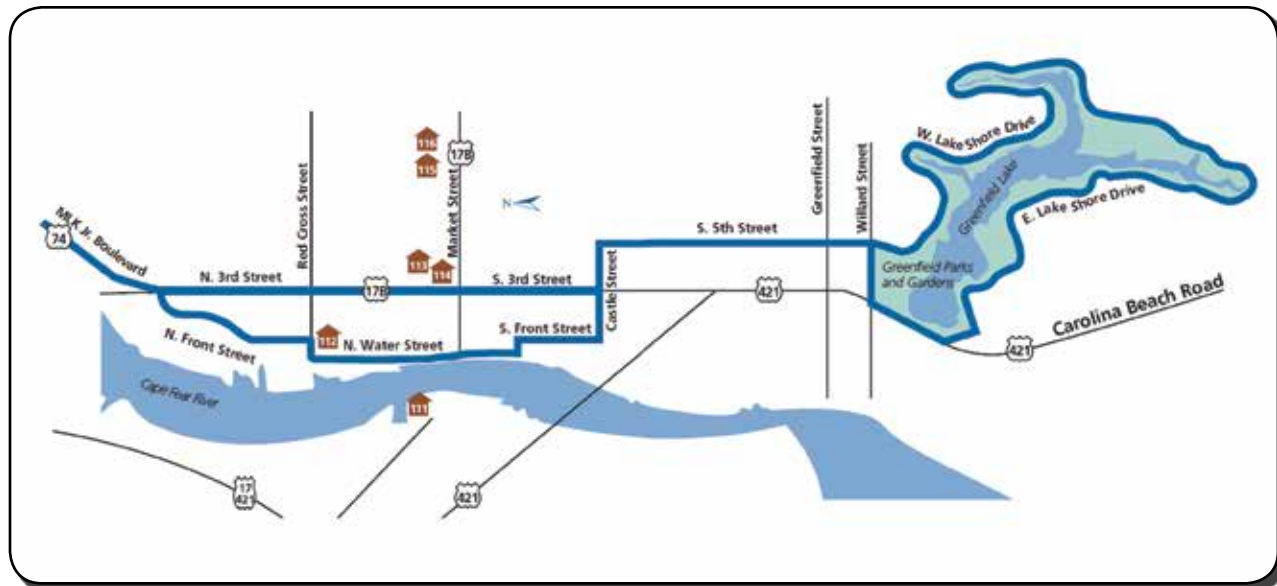
New Hanover County
Length 8 Miles

North Carolina Scenic Byway Program
Featured Byway - Coast

The Cape Fear Historic Byway in downtown Wilmington guides travelers through one of the most scenic urban areas in the nation. The byway follows along the tranquil Cape Fear River, along thriving colonial-era streets and around Greenfield Park and Gardens.

Known as the Port City, Wilmington was incorporated in 1739 and sits on a peninsula between the Cape Fear River and the Atlantic Ocean. The city contains North Carolina's richest collection of 19th century urban architecture and still maintains the original grid pattern finalized in 1743. Wilmington was built, for the most part, by commission merchants and prosperous businessmen who indulged themselves in the extravagances of the culture of the late 1800s. Today the city is the 8th largest in North Carolina.

The byway begins on the north end of downtown at the US 74/NC 133 (Martin Luther King Jr. Parkway) and North Third Street. It passes the 1898 Memorial Park which commemorates the coup d'état in which prominent white citizens of Wilmington violently overthrew the legally elected biracial government of the city. The monument serves as a testament to the city's desire to acknowledge the injustices of the past and their commitment for an inclusive society moving forward.



The byway quickly heads to the southwest where views of the Cape Fear River waterfront dominate. Wilmington's Riverwalk is a well-maintained pedestrian promenade extending the length of Water Street with many unique shops and delicious restaurants. The USS North Carolina Battleship sits directly across the river. Near the end of the Riverwalk, the byway heads east and south where travel on South Front Street, Castle Street and South Fifth Street take the byway traveler along some of the city's most exclusive homes and the heart of the Wilmington National Register Historic District.



Towards the end of Fifth Street is Greenfield Park and Gardens. Here 3.8 miles of Lake Shore Drive circles the park and Greenfield Lake. The byway returns back to US 74/NC 133 at North Market Street where it ends, via Third Street where government buildings, historic churches and the Thalian Hall for Performing Arts are found.





The North Carolina Scenic Byway Program operates at a variety of capacities to advocate and manage the state's byways. Some of the typical responsibilities include:

1) Scenic Byway Proposals – Process, review and assist with designation applications and byway revisions - In 2017 there were several inquiries about designations but there were no applications submitted.

Mount Mitchell Scenic Drive



Designation Process

- A non-profit organization notifies the NC Scenic Byway Program staff of interest in nominating a route for the NC Scenic Byway Program and obtains a NC Scenic Byway Study List Application.
- The submitted Study List Application is reviewed and it is determined whether the proposed route is likely to qualify for a byway designation. If the proposed byway route warrants further investigation it is added to the Study List.
- Once a route is added to the Study List, a NC Scenic Byway Application Package is furnished. This is an in-dept application requiring a detailed description of the route, justification of the intrinsic qualities identified, local zoning information and evidence of community support. A public hearing may also be required if requested within 60 days of receipt of application.
- The application is reviewed and a report and recommendation for adoption or rejection of the proposed byway is presented to the Board of Transportation.
- The Board of Transportation votes to approve or deny the designation and the applicant is notified of the decision.



Pacolet River Byway

2) Project Planning – Consult and monitor improvement projects to ensure context sensitive solutions for projects impacting scenic byways. Currently there are multiple construction projects occurring along scenic byways across the state.



US 64 - Waterfall Byway

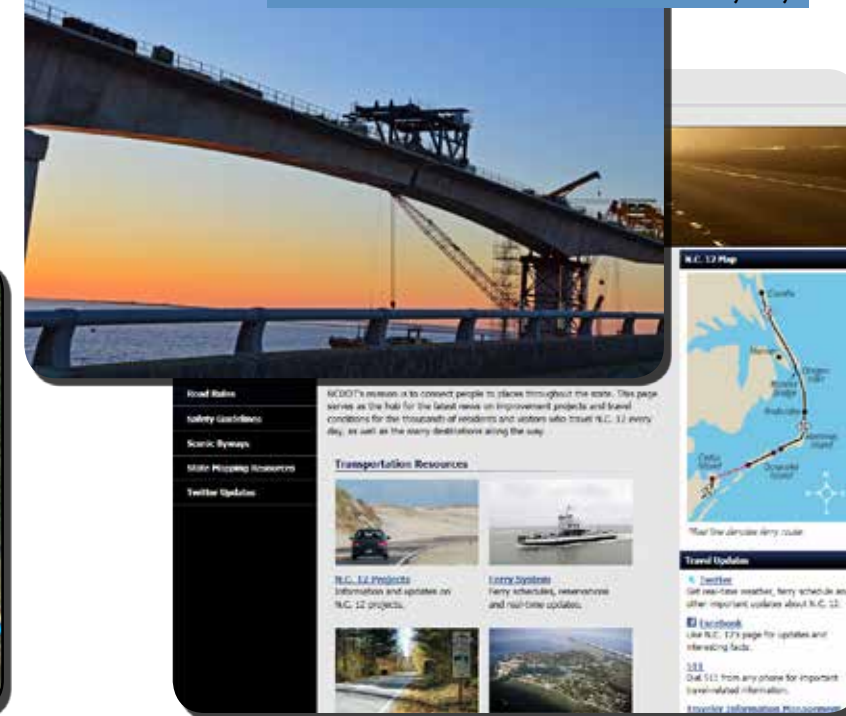


NC 24/27 - Sandhills Scenic Drive

North Carolina Scenic Byway Program Management



NC 12 - Outer Banks National Scenic Byway

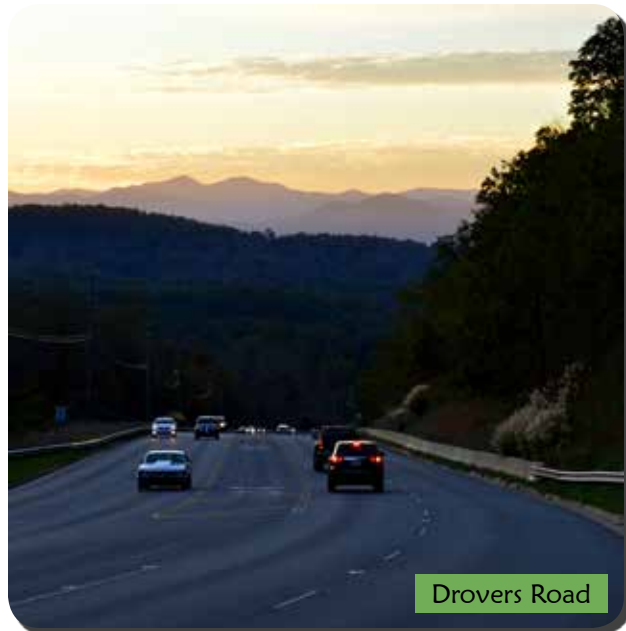




...responsibilities include:

3) Management of Program Materials - Survey, update, inventory and distribute byway informational materials - We currently have only XXX Scenic Byway Guidebooks available. We are in the process of updating the guidebook to include new byways that have been designated since the last printing, and to provide a fresh new look. We are also in the process of updating the byway signing statewide.

We are currently working with the GIS Unit to correctly map all of the byways on GO!NC which when finalized will replace the current mapping on the Scenic Byway webpage.



North Carolina Scenic Byway Program Program Management



Original Requestor Information
Name: Vicki Bastien
Phone: (517)398-1411
Email: vdbranch@hotmail.com

Comment History
Tracking Number: VMA8D5V4HI
Unit Name: ScenicByws

Sent Contact Us Administrator **Date/Time:** 5/18/2017 9:01:02 AM
By:
Comment: Welcome to North Carolina! And you are welcome. If you are motorcycle enthusiast you will want to check out 'Tail of the Dragon' at the NC/TN state line near the Indian Lakes Scenic Byway and 'The Rattler' on the Appalachian Medley byway.

Sent Vicki Bastien **Date/Time:** 5/18/2017 9:01:02 AM
By:
Comment: That's wonderful! We're new to the area and are not accustomed to the huge highways. Looking forward to riding motorcycles and hiking and kayaking along some of the beautiful byways. I appreciate your rapid response and will be watching for the mailman. Thanks again.

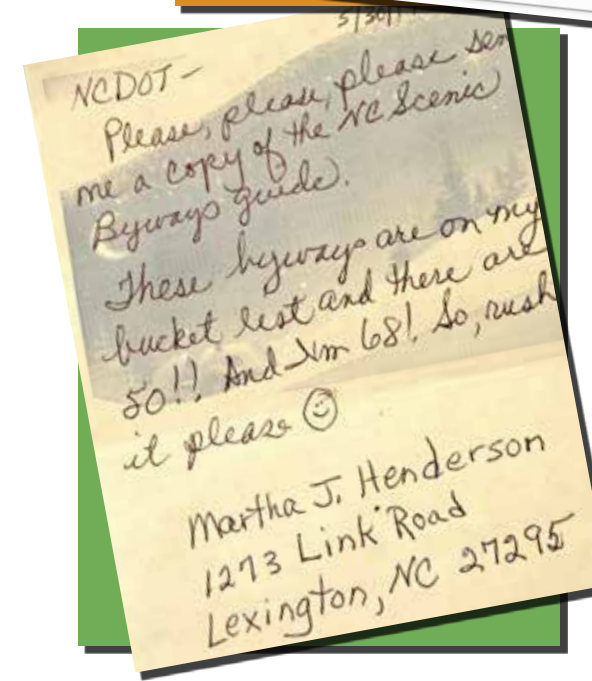
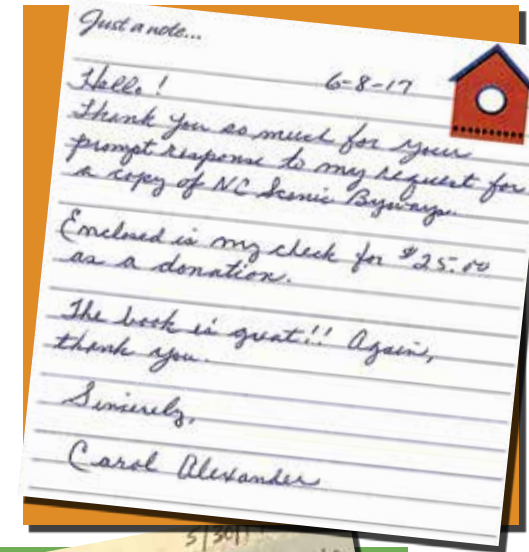
Sent Contact Us Administrator **Date/Time:** 5/18/2017 9:01:02 AM
By:
Comment: Vicki, We will get a Scenic Byway Guidebook in the mail to you. Thank you for your interest in the program! Connie

Sent Vicki Bastien **Date/Time:** 5/18/2017 9:01:02 AM
By:
Comment: I do not have a printer for the download version of the Scenic By-Ways Guide. Could you please send it to me at: Vicki Bastien 1608 Elder Way Burlington NC 27215 Thank you!

Comment History
Tracking Number: T9EN3XEN3D
Unit Name: ScenicByws

Sent Contact Us Administrator **Date/Time:** 7/18/2017 10:19:14 AM
By:
Comment: Ms. Chatham, we will get a book in the mail to you. Thank you for your interest in the NC Scenic Byway Program!

Sent Melanie Chatham **Date/Time:** 7/18/2017 10:19:14 AM
By:
Comment: I would like to request a paper copy of NC Scenic Byways guide. My address is 329 Guilford Rd Harmony, NC 28634 Thank you & God Bless!



Original Requestor Information
Name: Bethany Curtis
Phone: (503)705-5722
Email: bethany@captureyesterday.com

Comment History
Tracking Number: TDOVXIOJYD
Unit Name: ScenicByws

Sent Contact Us Administrator **Date/Time:** 8/12/2017 8:24:32 PM
By:
Comment: No, thank you and your family for your contribution to our country and our way of life! May God bless you all and WELCOME to North Carolina!

Sent Bethany Curtis **Date/Time:** 8/12/2017 8:24:32 PM
By:
Comment: Oh Connie! I spent an hour going through the lesson plans and curriculum and I'm so excited to implement this in our upcoming year of homeschooling. It's amazing! Our family is new to NC and this curriculum will be a wonderful resource for us to get to know NC while we are stationed at Cherry Point with the Marines. May God bless you and your staff, Bethany Curtis

Sent Contact Us Administrator **Date/Time:** 8/12/2017 8:24:32 PM
By:
Comment: You are welcome!

Sent Bethany Curtis **Date/Time:** 8/12/2017 8:24:32 PM
By:
Comment: I'm delighted! Thanks so much! Bethany

Sent Contact Us Administrator **Date/Time:** 8/12/2017 8:24:32 PM
By:
Comment: I will get one in the mail to you Bethany. Thank you for your interest in the Scenic Byway Program. I hope you find the teacher guide useful.

Sent Bethany Curtis **Date/Time:** 8/12/2017 8:24:32 PM
By:
Comment: I would love a copy of the Teacher's Guide to Scenic ByWays in the state of NC. I am a new Homeschooling Teacher and would love the resource for our classroom. Thanks so much, Bethany Curtis 2406 Wild Turkey Road, New Bern, NC 28562



...responsibilities include:

4) Grant Oversight - In previous years, the FHWA offered grants under the National Scenic Byway Program. The grants could be used for various projects such as the purchase of scenic easements, overlooks, byway facilities, corridor management planning, interpretive and wayfinding signs, etc. All outstanding FHWA Scenic Byway grants were finalized in 2017. These are some of the projects accomplished with the grant funds.



Restroom Facilities/Interpretive Signs/Parking Lot Improvements - Blue Ridge Parkway



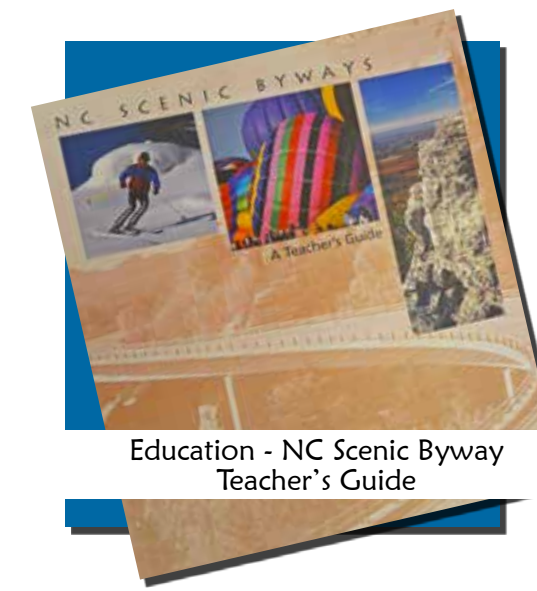
Interpretive and Wayfinding Signs - Cherokee Skyway



North Carolina Scenic Byway Program Program Management



Wayfinding Sign - Upper Yadkin Way



Education - NC Scenic Byway Teacher's Guide



5) Public and Private Partnerships
Work with National Park Service, National Forest Service, County Visitor Bureaus and tourism organizations to promote tourism within byway communities.



Wayfinding and Interpretive Signing
Outer Banks Scenic Byway





...responsibilities include:

6) Promotion of Program - Represent and promote the Scenic Byway Program at various meetings, conferences and tourism events. Market the program on multiple platforms including an updated webpage and social media specific to the Scenic Byway Program. We continue to struggle to achieve this goal within the current DOT framework.



North Carolina Scenic Byway Program Management

7) Manage Program Budget - Currently there is no annual budget for the Scenic Byway Program. We are working on several projects utilizing leftover grant funds returned to the program and approved for use by FHWA for similar projects on byways statewide.



Annual Tourism Day at Welcome Centers

I-40 Haywood County



I-26 Madison County



North Carolina State Fair



Whitewater Way



South Mountain Scenery



Appalachian Medley



Grassy Island Crossing



Yadkin Valley Scenic Byway



Blue Ridge Parkway



Alligator River Route



Big Horse Creek Scenic Byway

Our goal is to identify, highlight and preserve roads with unusual, exceptional and unique qualities for the public's enjoyment.



Yadkin Valley Scenic Byway



ECONOMIC DEVELOPMENT AND INTERGOVERNMENTAL RELATIONS MEETING MINUTES

DATE: 1/31/18 TIME: 3:40 pm LOCATION: 150

| | |
|-------------------|---|
| MEETING CALLED BY | Board member Tony Lathrop on behalf of Valerie Jordan |
| BOARD ATTENDEES | Valerie Jordan, Andy Perkins, Gus Tulloss, Tracey Dodson, Billy Clarke, John Pope |

AGENDA TOPICS

| | |
|--|---|
| 1. MEETING CALL TO ORDER AND APPROVAL OF DECEMBER 6TH 2017 AND JANUARY 3, 2018 MINUTES – CHAIRMAN TONY LATHROP | |
| DISCUSSION SUMMARY | Board member Lathrop called the committee to order, presented roll call and asked for a motion to approve the minutes as distributed. |
| ACTIONS TAKEN | A motion to approve the December 6, 2017 and January 31, 2018 committee meeting minutes as distributed was made by Mr. Lathrop, motion was moved and seconded. The committee approved unanimously. |
| 2. UAS AND THE FUTURE OF TRANSPORTATION – DIANA COOPER, SENIOR VICE PRESIDENT OF POLICY AND STRATEGY FOR PRECISION HAWK | |
| DISCUSSION SUMMARY | <p>Ms. Cooper was accompanied by Gladys Singh and gave a snapshot of the hardware and software they offer to government agencies. They discussed their industry expertise and their regulatory and policy leadership.</p> <p>They highlighted their strategic vision for NCDOT and discussed relevant UAS (Unmanned Aerial System) applications.</p> <p>Multiple projects in action from the ACRP (Airport Cooperative Research Program Study) were discussed.</p> <p>Questions:</p> <p>Committee member Moran asked, "How are assessments being made on roadways?"</p> <p>Ms. Singh answered, human analysts are viewing data, but it is also machine driven for calculating certain features.</p> <p>Committee member Clarke asked, "What is the status of regulation?"</p> <p>Ms. Cooper answered, as of August 2016; people can get licensed under FA, following the rules and can operate within boundaries. Waivers for the FA to operate outside of boundaries will have changes for the long term.</p> <p>Committee member Moran asked if there were applications for "in-line of site" (ex. UPS).</p> <p>Ms. Cooper answered, economics are not there to justify yet. Once regulations are permitted, Amazon will have 80% delivery rate.</p> <p>Committee member Moran asked, "What was flight time?"</p> <p>Ms. Cooper answered; the flight time is 40 minutes depending on payload and it may not last that long.</p> <p>Chief Deputy Secretary Howard asked, "Where does Precision Hawk hope to be in 20 years?"</p> <p>Ms. Cooper answered; they will be headquartered in NC with hopes of having multi-purpose and futuristic missions.</p> |
| ACTIONS TAKEN | No action taken. |



ECONOMIC DEVELOPMENT AND INTERGOVERNMENTAL RELATIONS MEETING MINUTES

3. AVIATION AUTOMATION KYLE SNYDER, DIRECTOR OF NGAT AT ITRE

DISCUSSION SUMMARY

Mr. Snyder highlighted the future of connectivity amongst all the infrastructures. He gave an overview of the future of drone technology and how to use 3rd dimension, blimps and flying cams.

Mr. Snyder discussed the federal activities in air transportation, unmanned aerial systems (UAS), Drone Integration and the NextGen program.

Mr. Snyder discussed the big picture of what drones represent nationally as well as the NC status. NCDOT UAS Program permits over 2,000 education and outreach workshops and operations.

Mr. Snyder mentioned the Gray Eagle at Camp Mackall with the US Army. The Gray Eagle flies in and out of restricted air space delivering packages.

Questions:

Board Member Tullos asked, "How far will the drones fly?"

Mr. Snyder answered; they will fly 20-35 minutes. They are not flying with big packages and they don't fly far. The public and news agencies use drones for news coverage. Legal works with DOT to establish a research HUB to reach across university systems to see what projects they have available. There are great opportunities for the future of drones.

Chairwoman Jordan asked if the infrastructure was in a position to accept NextGen pertaining to firewalls.

Mr. Snyder answered; the technology is getting better but hasn't been fully tested in that area.

Chief Deputy Secretary Howard asked why Mississippi was leading in the drone world and where are we in 20 years. He suggested that NC get in the game. He mentioned the workgroup that DOT Secretary Trogdon created based around Future Technologies.

Mr. Snyder stated that Senator Cochran gave money to make sure there is a Center of Excellence. In 20 years we will be in the lead and people will want to move to NC.

Chief Deputy Secretary Howard reminded everyone that the Committee is traveling in March and there is no Committee meeting until April.

ACTIONS TAKEN

No action taken.

Adjourned 4:57 pm



ECONOMIC DEVELOPMENT AND INTERGOVERNMENTAL RELATIONS (EDIR) AGENDA

BOARD OF TRANSPORTATION APRIL 4, 2018

TIME: 3:20 pm

LOCATION: Room 150

| TOPIC | PRESENTER | TIME |
|---|---|-----------|
| Call to Order Roll Call Declaration of Quorum Approval of January 31 Meeting Minutes | Chair, Valerie Jordan | 3:20-3:25 |
| Opening remarks about discussion | Chief Deputy Secretary, David Howard | 3:25-3:35 |
| NC A&T Transportation Institute & Center for Advanced Transportation Mobility | Maranda McBride, Ph.D., Director for Center for Advanced Transportation Mobility, Transportation Institute and Associate Professor | 3:35-3:55 |
| HBCU Programs | Al Austin, Historically Black Colleges and Universities (HBCU) Director | 3:55-4:15 |
| Comments and Wrap up | Chair, Valerie Jordan | 4:15-4:18 |
| Adjourn | Chair, Valerie Jordan | 4:18-4:20 |



NORTH CAROLINA

Department of Transportation



HBCU OUTREACH INITIATIVE

Strategic Plan Overview

April 4, 2018

THE HBCU OUTREACH INITIATIVE

The North Carolina Department of Transportation (NCDOT) has a focus on the state's Historically Black Colleges and Universities (HBCUs) and Minority Serving Institutions (MSIs), with a goal of supporting the long-term success of the institutions and their students. The HBCU Outreach Initiative leverages a strategic plan to outline its priorities and how the organization will achieve them.

The NCDOT HBCU Outreach Initiative was created to provide opportunities and pathways for universities to grow and sustain through innovative solutions for the industry and preparation of students for transportation sector careers.



HBCU QUICK FACTS

- Historically Black College and University (HBCU).
- In the Higher Education Act of 1965, Congress officially defined an HBCU as a school of higher learning that was accredited and established before 1964, and whose principal mission was the education of African Americans.
- HBCUs are open to students of any race or ethnic background. An average of one in four HBCU students is from a race different from the one the school was intended to serve, with Asians and Latino students the fastest growing demographics.
- The first HBCU owned and operated by African Americans was Wilberforce University in Ohio, which was founded in 1856. It was named for William Wilberforce, an abolitionist. This school is still in operation.



HBCU QUICK FACTS

- There are currently 101 HBCUs around the country.
- More than 20% of African-American college graduates receive their degree from HBCUs.

HBCUs generate \$14.8 billion in total economic impact for their local and regional economies.

- HBCUs generate 134,090 jobs for their local and regional economies. Of this total, 57,868 are on-campus jobs, and 76,222 are off-campus jobs.
- North Carolina is the home of 10 accredited HBCUs. Only the state of Alabama has more HBCUs than North Carolina; Alabama has eleven.



HBCU QUICK FACTS

- North Carolina has 5 public and 5 private HBCUs.
- Shaw University is the oldest HBCU in the Southern, United States. It was founded in 1865.
- North Carolina A&T is the largest HBCU in the country with 12,000 enrolled students.
- Graduates from Spelman and Bennett (NC) Colleges contribute to over half of the nation's African American women who earn doctorates in all science fields.
- Current President of St. Augustine's University, Everett Ward, served as the NCDOT HBCU Outreach Director.

OUR PROCESS



DISCOVER AND ANALYZE



DEFINE



PLAN



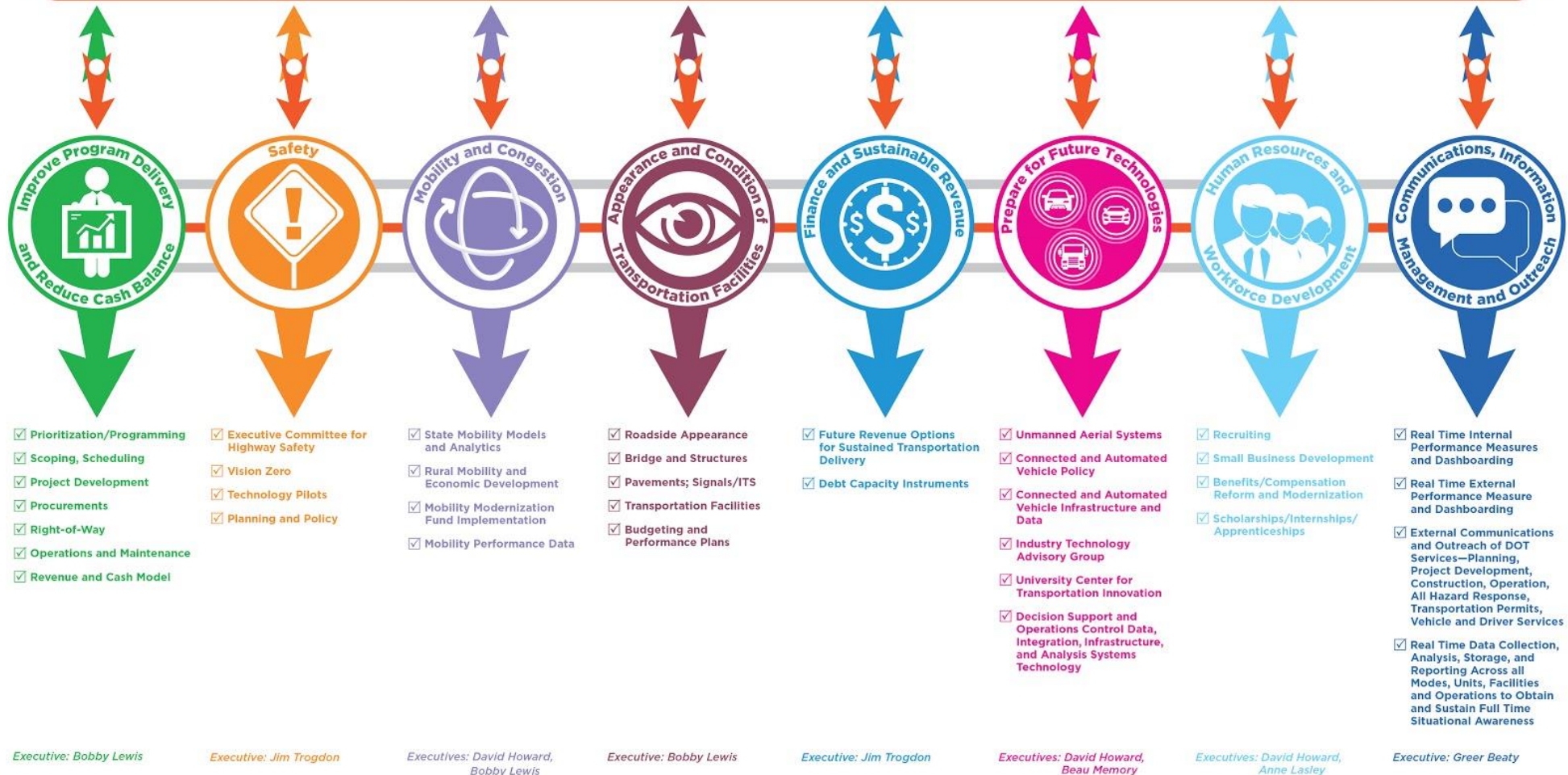
IMPLEMENT

- Collaborative
- Comprehensive
- Data-driven
- Market-driven

NCDOT Priorities and Work Groups

Better Transportation Service for North Carolina

Our Mission: Connecting people, products and places safely and efficiently with customer focus, accountability and environmental sensitivity to enhance the economy and vitality of North Carolina.





THE HBCU OUTREACH INITIATIVE STRATEGIC PLAN FRAMEWORK

MISSION: To create inclusion and opportunities for HBCUs/MSIs in the transportation industry.

VISION: Expand and diversify the transportation industry through the power of inclusion, and by strengthening the sustainable impact of North Carolina's Historically Black Colleges and Universities.

PURPOSE

INFORM

PREPARE

CONNECT

WORK

SUSTAIN

STRATEGIC PRIORITIES

Expand Diversity in the Transportation Industry Through Employment and Contracting

Value and Promote a Culture of Diversity and Inclusion at NCDOT

Establish Strategic Alliances and Advocacy Efforts

Strengthen the Sustainability of North Carolina's HBCUs/MSIs

Connect HBCUs and Minorities with Emerging Trends in Transportation

OPPORTUNITY

This framework supports the NCDOT Strategic Plan's workforce development and HR effort.

STRATEGIC PRIORITIES

MISSION

To create inclusion and opportunities for HBCUs/ MSIs in the transportation industry.

VISION

Expand and diversify the transportation industry through the power of inclusion, and by strengthening the sustainable impact of North Carolina's Historically Black Colleges and Universities.

STRATEGIC PRIORITIES

1

Expand Diversity in the Transportation Industry Through Employment and Contracting

2

Value and Promote a Culture of Diversity and Inclusion at NCDOT

3

Establish Strategic Alliances and Advocacy Efforts

4

Strengthen the Sustainability of North Carolina's HBCUs/ MSIs

5

Connect HBCUs and Minorities with Emerging Trends in Transportation



STRATEGIC PRIORITY 1

EXPAND DIVERSITY IN THE TRANSPORTATION INDUSTRY THROUGH EMPLOYMENT AND CONTRACTING

GOALS

1. Increase awareness of scale and impact of the transportation sector on America's infrastructure.
2. Provide additional training, collaboration and growth opportunities for minorities interested in employment or business within the Transportation industry.
3. Prepare minorities and DBE vendors with the skills necessary to address projected gaps in the industry.



STRATEGIC PRIORITY 2

VALUE AND PROMOTE A CULTURE OF DIVERSITY & INCLUSION AT NCDOT

GOALS

1. Help prepare key student talent for NCDOT internships and employment.
2. Provide a more robust training and development experience for student interns around emerging trends in transportation.
3. Increase exposure and access for HBCU/MSI Interns and HBCU Graduates employed at NCDOT.
4. Strengthen NCDOT relationships with HBCUs/MSIs that have existing transportation degree and certification programs.



STRATEGIC PRIORITY 3

ESTABLISH STRATEGIC ALLIANCES AND ADVOCACY EFFORTS

GOALS

1. Evaluate and recommend public/ private partnerships to fund programs at HBCUs/MSIs.
2. Create partnerships to connect HBCUs/MSIs that have transportation degree or certification programs with corresponding NCDOT modes.
3. Create a platform to connect NCDOT vendors and partner agencies with HBCUs/MSIs for collaboration and bilateral support.
4. Operate as Center of Excellence for minority involvement and establish the initiative as a Thought Leader.
5. Advocate for the initiative's impact on economic mobility within the state.



STRATEGIC PRIORITY 4

STRENGTHEN THE SUSTAINABILITY OF NORTH CAROLINA'S HBCUs/MSIs

GOALS

1. Actively support and advocate for policies that advance HBCUs/MSIs at the state and federal level.
2. Increase HBCU/MSI student participation in the NCDOT Summer Internship Program.
3. Create value by helping to align the strategic direction for HBCU/MSI course offerings with the future of opportunities in the transportation industry.
4. Engage HBCUs/MSIs in transportation research that is innovative, creative and forward-thinking.
5. Help secure educational partnership support for HBCUs/MSIs.
6. Partner with existing HBCU/MSI entrepreneurship programs to create and educate more transportation- focused minority business owners.
7. Prepare HBCU/MSI students for transportation careers with minority business owners.
8. Partner with NCDOT HR to promote education on diversity and inclusion.





STRATEGIC PRIORITY 5

CONNECT HBCUs & MINORITIES WITH EMERGING TRENDS IN TRANSPORTATION

GOALS

1. Proactively educate and increase awareness of changes in the transportation industry, as well as long-term projections about technologies and the workforce.
2. Provide recommendations for specific areas of focus aligned with projected transportation growth for each HBCU/MSI.
3. Increase transportation-focused innovation and research and development capabilities at HBCUs/MSIs.

NEXT STEPS

1. Begin implementation with stakeholders and NCDOT partners
2. Advocate for the work
3. Incorporate feedback from today
4. Create a workplan to the list of Next Steps
5. Prepare Board and Governor to be champions of the work



APPENDIX

MARKET DRIVEN STRATEGY

FOLLOW THE MARKET by meeting industry trends and aligning with new markets that have emerged as a result of innovation, digitalization of processes and services, and disruptive technologies in the market such as Uber and Amazon delivery.

ALIGN PROGRAMMING with NC DEPARTMENT OF EDUCATION CURRICULUM for STEM, provided for K-12 and college level education.

ENHANCE NC's ECONOMIC DEVELOPMENT BY CLOSING SKILLS GAPS for skilled positions in transportation industry through K-12 vocational programming.

DEVELOP VALUE CREATION AND SUSTAINABILITY FOR HBCUs by developing programmatic capabilities and career paths that align with emerging trends in the market: supply chain, logistics, disruptive technologies, and entrepreneurship for transportation services (i.e. new majors or centers of excellence).

SOLUTIONS FOR SKILLED AND PROFESSIONAL TALENT by developing awareness and programming that prepares students and companies for roles that align with job growth projections in the market, which are primarily skilled, as well as professional roles.

POSITION INITIATIVE AS BOOSTER FOR ECONOMIC MOBILITY FOR NC AND MINORITIES which elevates the purpose to a broadened scope and impact.

ESTABLISH PUBLIC/PRIVATE PARTNERSHIPS by designing models and solutions to meet the objectives of our initiative with the transportation business community, education, government representatives and HBCUs/ MSIs in partnership to develop a framework and resources for addressing key challenges.

PROMOTE LASER FOCUS ON CREATING OPPORTUNITIES to connect HBCUs/ MSIs, students of color and minority businesses to the design and delivery of transportation solutions in the state.

PROMOTE AND DEMYSTIFY ENTREPRENEURSHIP as a career path for informed and prepared minorities, boosting economic development and diversity in transportation.



FUNDING APPROPRIATIONS STRATEGIES COMMITTEE (FAST)

DATE: January 3, 2018 TIME: 4:06pm LOCATION: EIC

| | |
|-------------------|--|
| MEETING CALLED BY | Chairman Tony Lathrop |
| BOARD ATTENDEES | Tony Lathrop, David Tyeryar, Pat Molamphy, Nina Szlosberg-Landis |

AGENDA TOPICS

| | |
|--|---|
| 1. November 2017 FAST Meeting Minutes Approval | |
| DISCUSSION SUMMARY | December 2017 FAST Meeting Minutes |
| ACTIONS TAKEN | No quorum. December 2017 minutes will be carried over to the January 31, 2018 committee meeting for approval. |

| | |
|--|--|
| 2. Program Delivery Presentation – Bobby Lewis | |
| DISCUSSION SUMMARY | <p>Secretary has six work focus areas. Improve program delivery and reduce cash balance, safety, mobility and congestion, appearance and condition of transportation facilities, and prepare for future technologies, with human resources and communications being more support. The big piece is improve program delivery and reduce the cash balance. There are several key influencers to the program (prioritization/programming, scoping/scheduling/project development/procurements/right of way/operations and maintenance/revenue and cash model. Program life is the long range plan (determine needs), prioritization (data and local input), program development (funds projects), project planning (minimize impacts), project design (design and acquire ROW), construction (build facility), maintenance and operations (maintain facility). Our revenue sources are 75% of our dollars are state and 25% federal funding. Construction accounts for about 50%, maintenance accounts for 25% and 8% is public transportation and administrative efforts account for 17%. Trust Fund and Highway Fund equal the cash balance. Trust Fund is going up because of having to get all projects prepared. We are going from 7 regions to 22 which include Statewide, 7 Funding Regions, and 14 Divisions.</p> <p>Our current situation 2014-2017 -\$600 million more in revenue, old practices for inflation and overruns, and old processes for project delivery. Inflation we developed a program and take care of debt service, then take off any obligations from previous construction program(s), and holding out 4% for inflation. Every two years it will be looked at as a ten year look back to make sure we are fiscally responsible. No need to always hold 4% because we are holding transportation solutions hostage per se.</p> <p>New approach to Project Delivery: activities will be reviewed for production grouping, ROW and Utilities will start earlier, and work on all projects in the program (Year 1-10) which creates an opportunity to manage construction lets downstream.</p> |



FUNDING APPROPRIATIONS STRATEGIES COMMITTEE (FAST)

| | |
|---------------|---|
| | <p>Manage the Program: Adjust inflation and overruns to historical actuals for every STIP. Monthly \$100M Project reviews by Project Managers and Senior/Executive Staff.</p> <p>Advancement of Capital Program – expedite project delivery and completion dates faster.</p> <p>Forecasted Cash Balance stay between floor and the target around 2020 and beyond.</p> |
| ACTIONS TAKEN | Informational Only |

3. MEETING ADJOURNED – CHAIR TONY LATHROP

| | |
|--------------------|--|
| DISCUSSION SUMMARY | Chair Tony Lathrop adjourned meeting at 4:48pm |
| ACTIONS TAKEN | Informational Only |



FUNDING APPROPRIATIONS STRATEGIES (FAST) COMMITTEE AGENDA

BOARD OF TRANSPORTATION
APRIL 4, 2018

TIME: 3:20pm – 4:20pm

LOCATION: EIC

| TOPIC | PRESENTER | TIME |
|---|---------------------|--------|
| Call to Order Roll Call Declaration of Quorum Meeting Minutes Update <ul style="list-style-type: none"> Approval of December 6, 2017 meeting minutes January 3, 2018 FAST meeting (Information session only) - Quorum was not present, therefore no minutes were recorded. January 31, 2018 – Members of the FAST Committee participated in the EDIR Committee meeting. Minutes from the 1/31/18 meeting will route through the EDIR Committee. | Tony Lathrop, Chair | 3:25pm |
| Introduction of Chief Financial Officer/Committee | Tony Lathrop, Chair | 3:30pm |
| Federal Funding | Calvin Leggett | 3:45pm |
| Recap of FAST Committee Meetings | Tony Lathrop, Chair | 3:50pm |
| Restart/Going Forward | Tony Lathrop, Chair | 4:00pm |
| Adjourn | Tony Lathrop, Chair | 4:20pm |



HIGHWAYS COMMITTEE MEETING MINUTES

DATE: 1-31-2018 TIME: 2:10 PM – 3:30 PM LOCATION: Room 150

| | |
|-------------------|---|
| MEETING CALLED BY | Chairman Tarleton |
| BOARD ATTENDEES | Chairman Cullie Tarleton, Committee Vice-chair John Pope, Gus Tulloss, Grady Hunt, Pat Molamphy, Jack Debnam, Andrew Perkins Jr. and Board Chairman Mike Fox. |

AGENDA TOPICS

| | |
|--|---|
| 1. APPROVAL OF DECEMBER MINUTES / JANUARY MINUTES ARE INFORMATIONAL ONLY | |
| DISCUSSION SUMMARY | Motion to approve the December minutes made by Member Pope, seconded by Member Debnam. |
| ACTIONS TAKEN | Motion to approve the December minutes as written passed unanimously. The minutes from the January meeting are for informational purposes only. |

| | |
|---|---|
| 2. TECHNICAL SERVICES PROGRAM UPDATE, CHRIS WERNER, PE, NCDOT ADMINISTRATOR OF THE TECHNICAL SERVICES | |
| DISCUSSION SUMMARY | <p>Mr. Chris Werner, NCDOT's Director of Technical Services, provided an update of the Technical Services Program. He discussed initiatives that are underway for improving project delivery and reducing the cash balance. His focus is on project planning, project design and construction. Some key areas where improvements have been made include the creation of a project management unit that oversees the development of projects and is in constant communication with the applicable units regarding the status of the projects. An environmental policy group is being established to support the project managers, technical units and agencies. This group will be responsible for reviewing federal regulations and providing information and support to all transportation modes. The environmental document process has been reviewed, updated, and streamlined to reflect the utilization of the Categorical Exclusion (CE) Checklist. The checklist serves as a screening tool to determine the type of document needed for a project, eliminating unnecessary steps/processes until it is determined the need exists to do so. This process change allows increased focus on the more complicated projects. Further, project development has gone from a "production line" system where each preconstruction unit completed their portion of the project and passed it to the next unit to a system where the units are involved earlier in the project and working concurrently. Improvements have also been made regarding how the Department contracts with the consulting industry. Oversight and controls have been put into place with monthly project reviews between the project managers, division engineers and unit heads. The purpose of the monthly project reviews is to discuss project schedules, and to collaborate and to identify risks and mitigation strategies, and to improve overall project delivery.</p> |
| ACTIONS TAKEN | N/A |



HIGHWAYS COMMITTEE MEETING MINUTES

3. RIGHT OF WAY ACQUISITION – JUST COMPENSATION AND APPRAISALS, MR. JIM MCGOWAN, STATE APPRAISER, NCDOT RIGHT OF WAY UNIT

| | |
|--------------------|---|
| DISCUSSION SUMMARY | <p>Mr. Jim McGowan, NCDOT State Appraiser, provided a presentation on Project Delivery, Right of Way, Just Compensation. His presentation included an overview of Session Law 2017-57, Section 34.5(a) related to the Appraisal Waiver Valuation. The intent of the law is to maximize resources for Right of Way acquisition, to accelerate project completion, while maintaining fair compensation. The Permissive Exception to Appraisal is for properties anticipated value less than \$40,000 and allows preparation by third parties, with sufficient market knowledge. Using the process will be helpful as claims are expected to increase from \$246,600,756 in FY2015 to \$668,000,000 in FY2019.</p> <p>Mr. McGowan reviewed the process for determining just compensation. Regardless of project funding type, the Department must offer just compensation to every property owner affected by a transportation project in accordance with the 5th Amendment of the US Constitution:</p> <ol style="list-style-type: none"> I. The Appraisal Waiver Valuation may be used for minor claims only where the just amount is mutually agreed. It may not be used as evidence in court. For state funded projects, the claim value may be up to \$40,000. For federally funded projects, the claim value may be up to \$25,000. It is best used for simple claims including easements, curable damages, vacant tracts, and partial acquisitions. It should not be used for total acquisitions, non-curable damages, commercial property, parcels with remnants, and mortgaged property. II. The Transmittal Summary is an abbreviated appraisal report for simple claims that may be used on federal or state funded projects. It must be completed by a certified appraiser and approved by the Department. There are no value limits for the Transmittal Summary. It may be used for condemnation and for quantifying the cost to cure small items. It cannot be used to quantify non-curable damages. III. The Narrative Appraisal Report is used for more complex properties on federal or state funded projects. There are no value limits for the Narrative Appraisal Report. It may be used for condemnation and for quantifying non-curable damages. It must be completed by a certified appraiser and approved by the Department. <p>Licensed appraisers interested in performing NCDOT work is low. Out of 1279 NC Certified Appraisers, only 219 are prequalified with NCDOT and only about 120 provide services to NCDOT.</p> <p>Moving forward, the Department will implement the Appraisal Waiver Valuation protocol, use the simplest and least costly approach first, maintain a goal of offering fair settlement to property owners and deliver projects on time. The Department also realizes that more contract and staff appraisers need to be recruited to work with NCDOT.</p> |
|--------------------|---|

| | |
|---------------|-----|
| ACTIONS TAKEN | N/A |
|---------------|-----|

4. FRONTAGE ROADS: ONE APPROACH TO BALANCE MOBILITY WITH ACCESS, MR. KEVIN LACY, PE, STATE TRAFFIC ENGINEER, NCDOT MOBILITY AND SAFETY

| | |
|--------------------|---|
| DISCUSSION SUMMARY | <p>Mr. Kevin Lacy, NCDOT's State Traffic Engineer, provided a presentation on frontage roads, which may be used along freeways and arterials to help balance mobility with access. Frontage roads have been used extensively in Texas. Frontage roads require careful planning with considerations for property access and land use. Frontage roads may also be useful in decreasing congestion along freeway routes. They also reduce the frequency and severity of</p> |
|--------------------|---|



HIGHWAYS COMMITTEE MEETING MINUTES

| | |
|---------------------|---|
| | conflicts and provide the ability to reroute traffic in the event of an incident. Some disadvantages include: frontage roads require a large footprint and they may inhibit future widening and expansion of the freeway, frontage roads access may require multi-level structures, and financial costs are higher. NCDOT has used frontage roads on a limited basis. Some examples include I-485 in Division 10 and US 70 in Havelock. |
| ACTIONS TAKEN | N/A |
| 5. OTHER DISCUSSION | |



HIGHWAYS COMMITTEE AGENDA

BOARD OF TRANSPORTATION APRIL 4, 2018

TIME: 2:10 PM – 3:10 PM

LOCATION: 150

| TOPIC | PRESENTER | TIME |
|---|---|---------|
| Call to Order Roll Call Declaration of Quorum Approval of January 31, 2018 Meeting Minutes | Cullie Tarleton, Chair | 2:10 pm |
| Roundabouts in North Carolina | Jim Dunlop, P.E., NCDOT Congestion Management Regional Engineer, Eastern Region | 2:15 pm |
| Turnpike Authority Update | Evan Rodewald, NCDOT Chief Financial Officer & David Miller, PFM Financial Advisors, LLC, (NC Turnpike Authority) | 2:40 pm |
| Other Discussion | Cullie Tarleton, Chair | 3:00 pm |
| Adjourn | All | 3:10 pm |



NORTH CAROLINA
Department of Transportation



Roundabouts in North Carolina

April 2018 BOT Highway Committee Meeting

James H Dunlop, PE
Congestion Management Engineer
Transportation Mobility and Safety
4 April 2018

- 3 Types of Circular Intersections
 - Traffic Circle



- 3 Types of Circular Intersections
 - Traffic Circle
 - Traffic Calming Intersection



- 3 Types of Circular Intersections
 - Traffic Circle
 - Traffic Calming Intersection
 - Modern Roundabout



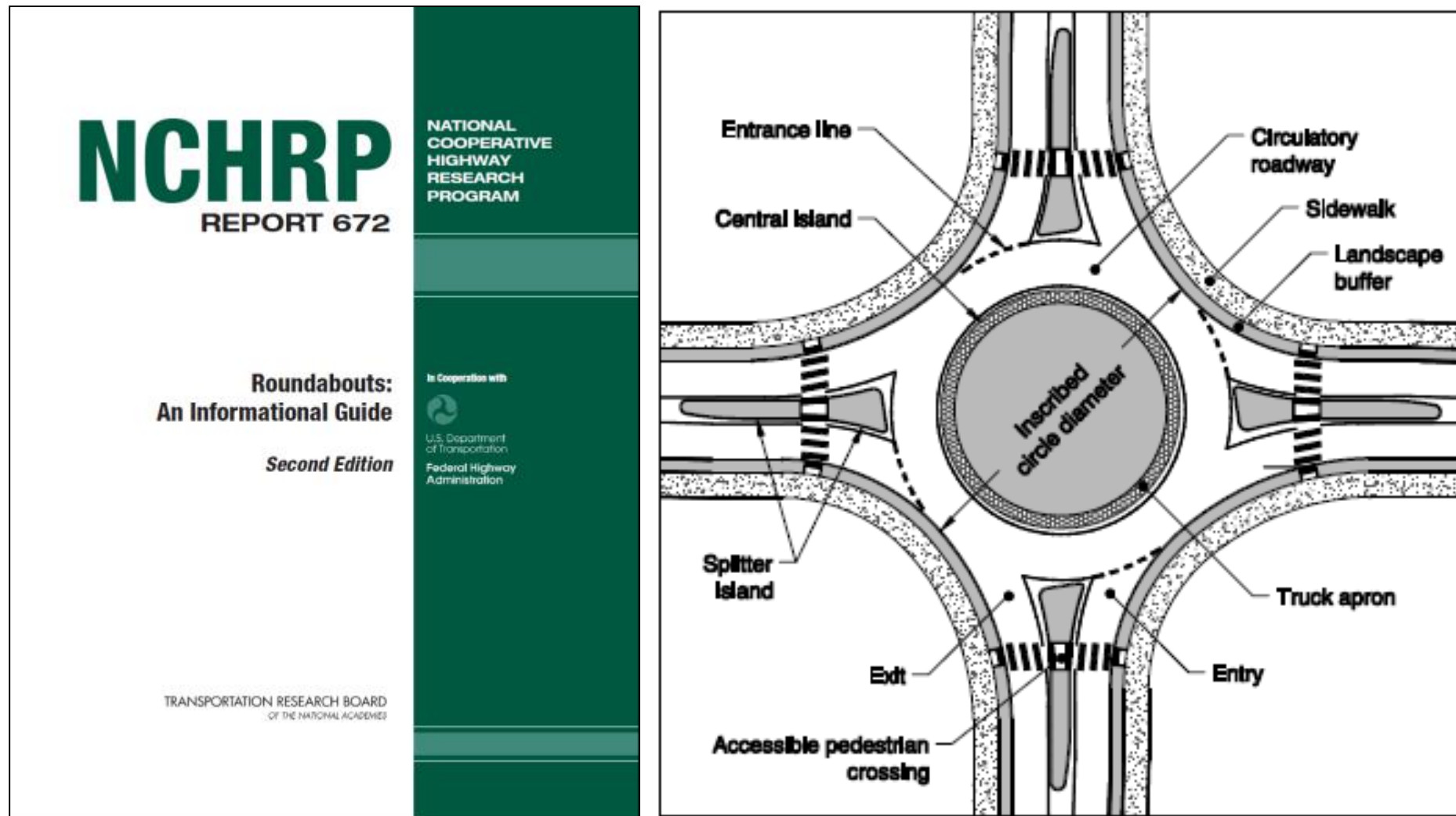
Size

- Traffic Circle - 800' Diameter
- Roundabout - 180' Diameter
(Range is typically 90'-180')



- Safest Intersection
- High Capacity / Low Delay
- Good for All Modes of Traffic
- Geometric Flexibility
- Aesthetics

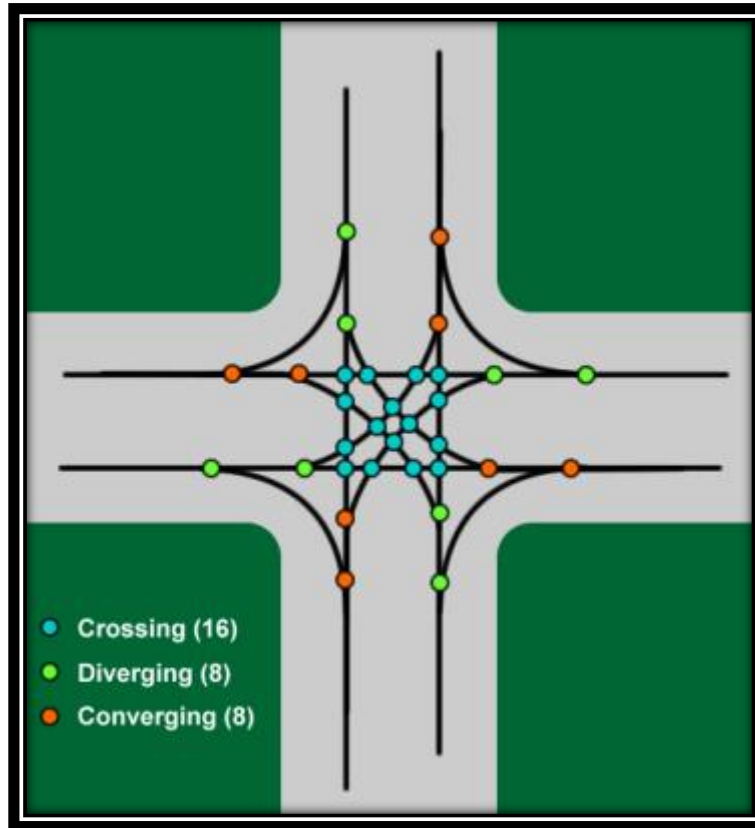




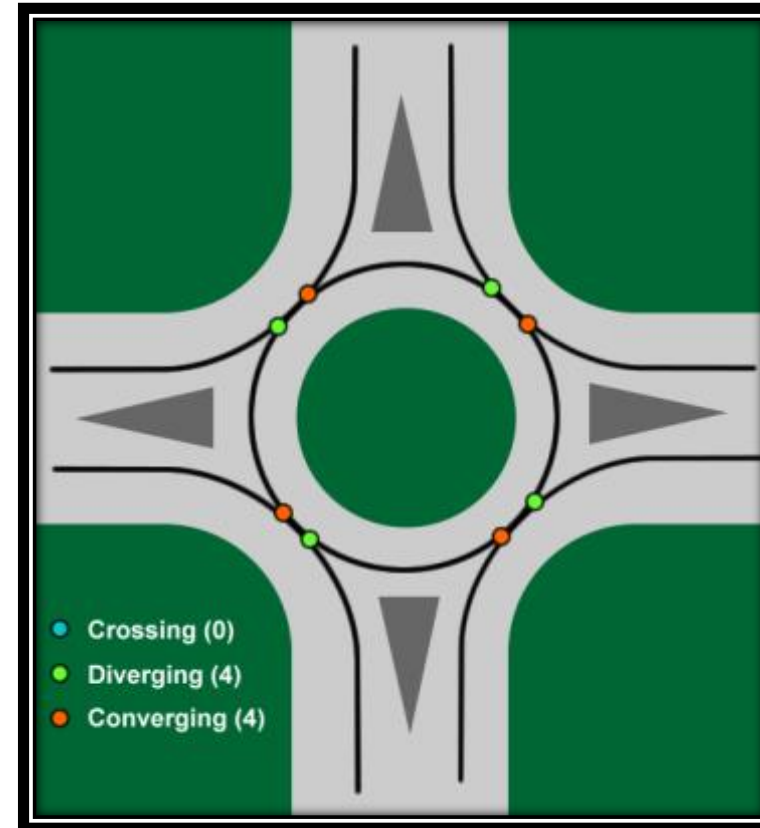
http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_672.pdf

Roundabouts – Safety

Conflict Points



There are 32 conflict points at a conventional intersection.



There are only 8 conflict points at a modern roundabout

A **conflict point** is the **point** at which a roadway user crossing, merging with, or diverging from a road or driveway **conflicts** with another roadway user using the same road or driveway. It is any **point** where the paths of two through or turning vehicles diverge, merge, or cross

Crash Reductions Following Installation of Roundabouts

In the United States

- Total Crashes 48%
- Fatal/Injury Crashes in Rural Areas 78%
- Fatal/Injury Crashes in Urban Areas 60%

In North Carolina

- Total Crashes 46%
- Fatal/Injury Crashes 76%
- Frontal Impact Crashes 75%

Sources:

Insurance Institute For Highway Safety

NCHRP Report 572

NCDOT Safety Evaluation Group

www.highwaysafety.org

onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_572.pdf

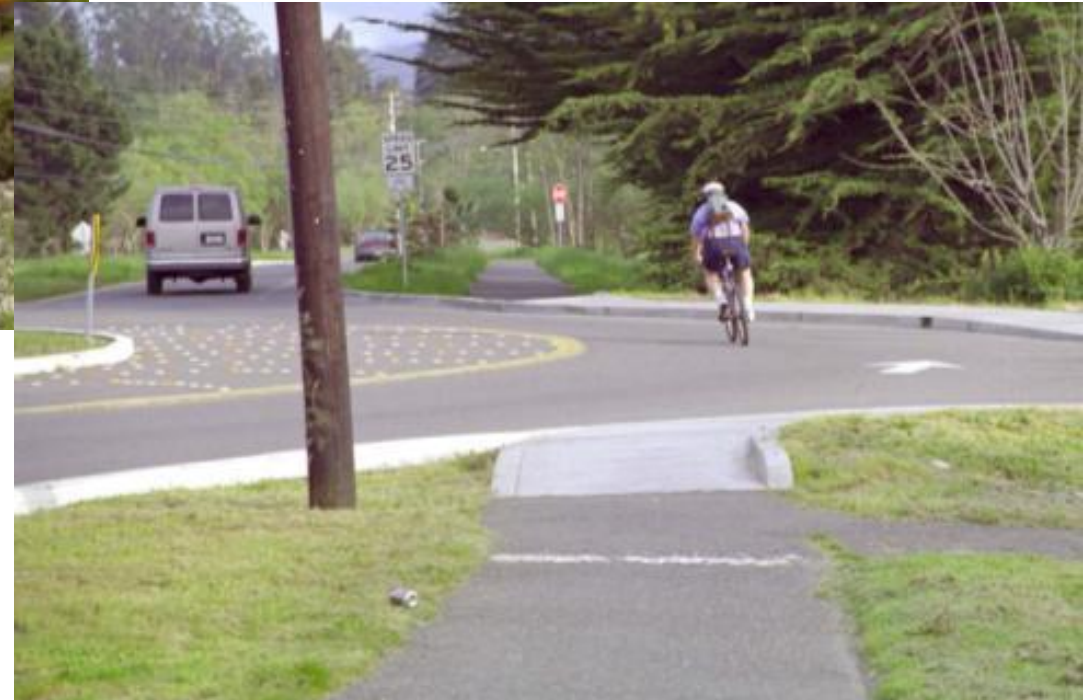
<https://connect.ncdot.gov/resources/safety/TrafficSafetyResources/Roundabouts.pdf>

- Peak Hour Traffic – Usually at least as efficient (same overall delay to drivers) as traffic signals
- Off Peak Traffic – Usually much more efficient than traffic signals.
- Multi-lane roundabouts can handle as much traffic as a busy signalized intersection

Roundabouts provide a safer crossing for pedestrians



Roundabouts provide safer travel for cyclists



Buses do not have trouble negotiating the roundabout, and provide a good location for bus stops





I-485 at Prosperity Church Road in Charlotte



- Roundabouts can be designed as ovals and oblong shapes in order to achieve better movement separation and accommodate unique intersection geometry
- Works well for offset T-type and multiple legged intersections





When a roundabout is recommended for an intersection there typically is some public resistance. Some of the complaints and questions we frequently hear/deal with:

- Driver Expectation
- Large Trucks
- Emergency Vehicle Access
- Cost and Maintenance
- Older Drivers will get confused and crash





Clearwater Florida Fire Chief Video:

https://www.youtube.com/watch?v=N4AY_R_6bZI

- Average single lane roundabout construction costs about **\$900,000**
- Maintenance is minimal (mostly mowing; any additional landscaping is done by others)
- Signalized intersection costs are about **\$50,000-200,000**
- Signal maintenance costs are about **\$3,000-5,000** annually
- Construction of turn lanes is about **\$175,000-\$250,000**

Modern Roundabouts | A LIVABILITY FACT SHEET

Every day in the U.S. more than 20 people are killed at traffic intersections, and many more are seriously injured.¹

Roundabouts — circular intersections that move traffic counterclockwise around a central island — can help reduce these deaths and injuries. Modern roundabouts are calmer and safer than conventional intersections and have been deemed a “proven safety counter-measure” by the U.S. Department of Transportation.²

Roughly the size of a baseball field, modern roundabouts differ from rotaries or traffic circles, which can be as big as the stadium itself. Roundabouts feature lower, safer vehicle speeds. They can be 80 feet across with single lanes carrying 25,000 vehicles a day or larger at 200 feet, with double lanes and 45,000 vehicles a day.³

Personal injuries and fatalities plummet as much as 90 percent in modern roundabouts when compared to conventional intersections.⁴ Roundabouts cause drivers to slow down, ideally to less than 20 mph, which reduces the risks to both pedestrians and drivers.

Because roundabouts can handle 30 to 50 percent more traffic than conventional intersections, they reduce travel delays.⁵ Since roundabouts can be designed to be aesthetically pleasing, they help create a sense of place.

By January 2014, roundabouts graced more than 2,000 intersections in the U.S., with more planned.⁶ Given their safety and placemaking benefits, roundabouts should be considered for many more of the three million intersections in the U.S.

Modern roundabouts are calmer and safer than conventional intersections and have been deemed a “proven safety counter-measure” by the U.S. Department of Transportation.



AARP
Real Possibilities

Walkable and Livable
Communities Institute

Myth-Busting!

“Roundabouts aren’t good for older adults.” By 2025, about 25 percent of all drivers in the United States will be over the age of 65. Forty percent of all car crashes that involve drivers over the age of 65 occur at intersections.

As we age, we lose our ability as drivers to judge left turn gaps. Roundabouts don’t require those decisions, and they eliminate head-on and right-angle crashes. When collisions do occur, they are generally at lower speeds and less harmful.

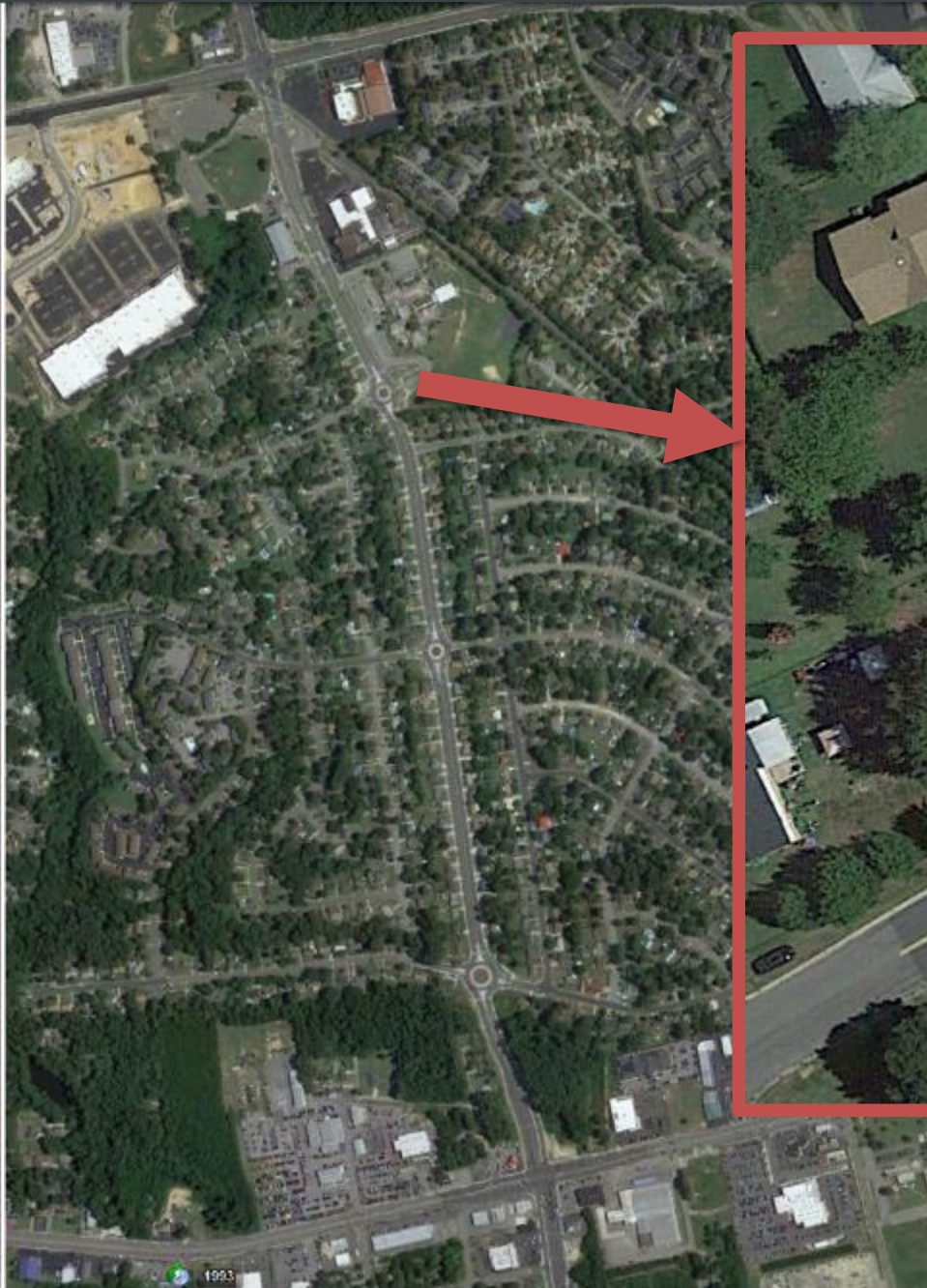
<https://www.aarp.org/content/dam/aarp/livable-communities/documents-2014/Livability%20Fact%20Sheets/AARPLivabilityFactSheet-Modern-Roundabouts-33116.pdf>





NC State, Raleigh

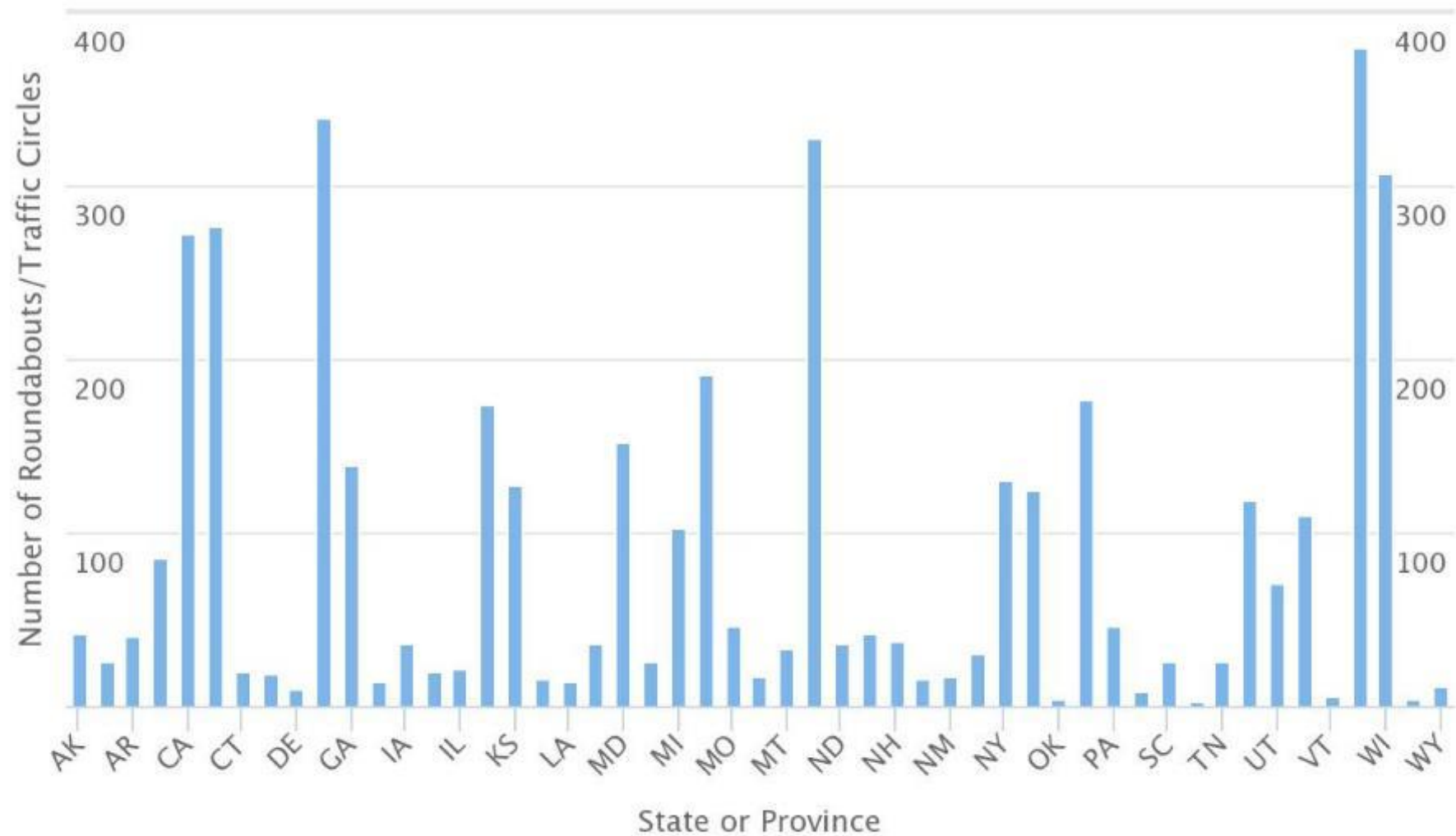




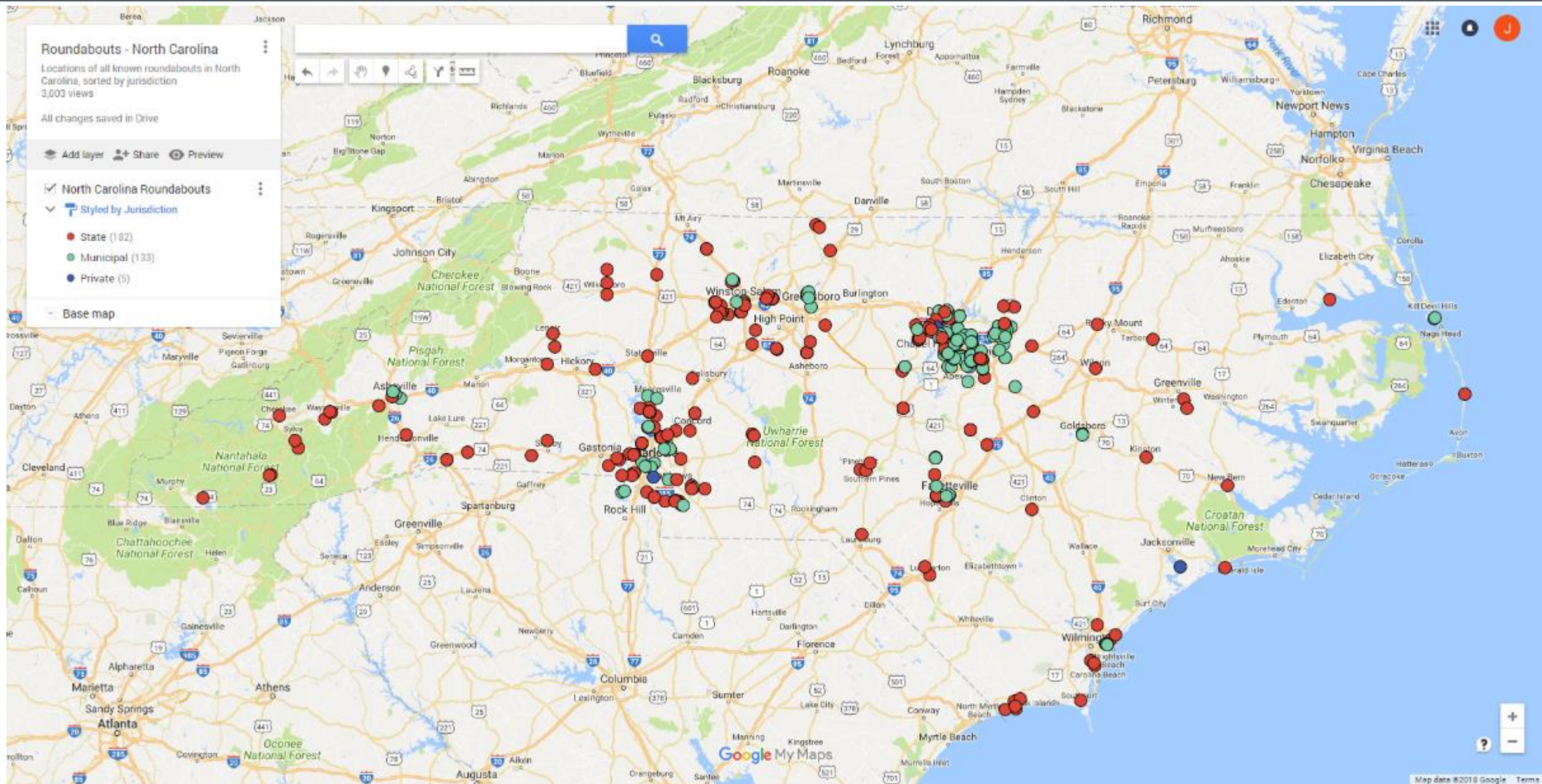
Fayetteville – Glensford Drive

- There are over 300 roundabouts in the State, over half on the State road system
- The majority of the roundabouts in the State are single lane with four approaches
- Multilane roundabouts make up about 10% of the State's total
- Downtown areas
- Interchange ramps
- Each of the State's 14 Transportation Divisions has at least one roundabout in operation

Roundabouts/Traffic Circles by State/Province



Highcharts.com



<https://drive.google.com/open?id=1td2bXCUNCQROX5jK5f9D5Ezr1Y&usp=sharing>



MULTI-MODAL TRANSPORTATION COMMITTEE MEETING MINUTES

DATE: 1/31/2018 TIME: 2:12 pm LOCATION: EIC

| | |
|-------------------|--|
| MEETING CALLED BY | Chairman Andrew Perkins |
| BOARD ATTENDEES | Anthony Lathrop, Tracy Dodson, Billy Clarke, Allen Moran |

AGENDA TOPICS

| | |
|---|--|
| 1. MEETING CALL TO ORDER AND APPROVAL OF JANUARY 3, 2017 MINUTES – CHAIRMAN PERKINS | |
| DISCUSSION SUMMARY | Chairman Perkins called the committee to order and asked for a motion to approve the minutes as distributed. |
| ACTIONS TAKEN | A motion to approve the January 3, 2017 minutes as distributed was made by Mr. Billy Clarke and seconded by Ms. Tracy Dodson. The committee approved unanimously. |

| | |
|--|---|
| 2. FUNDING ITEMS (AVIATION, PTD, RAIL) | |
| DISCUSSION SUMMARY | Information was presented by Transit Directors for the Committee's approval. |
| ACTIONS TAKEN | <ul style="list-style-type: none">• Motion to approve Aviation funding items made by Mr. Billy Clarke and seconded by Mr. Allen Moran• Motion to approve PTD STIP items made by Ms. Tracy Dodson and seconded by Mr. Tony Lathrop• Motion to approve Rail funding items made by Billy Clarke, and seconded by Allen Moran The committee approved unanimously. |



MULTI-MODAL TRANSPORTATION COMMITTEE

MEETING MINUTES

3. MULTI-MODAL TRANSPORTATION UPDATE – JULIE WHITE

| | |
|--------------------|---|
| DISCUSSION SUMMARY | <p>Deputy Secretary Julie White introduced the new Bike and Ped Director, JoHanna Cockburn.</p> <p>Deputy Secretary White introduced Charles Edwards as the Acting Rail Director. The posting for a new Rail Director will be posted in a couple weeks.</p> |
| ACTIONS TAKEN | No action taken. |

4. MULTI-MODAL STRATEGIC PLAN OVERVIEW – JULIE WHITE – DEPUTY SECRETARY

| | |
|--------------------|---|
| DISCUSSION SUMMARY | <p>Deputy Secretary White presented her Multi-Modal Strategic plan to the committee. She highlighted the first DOT Ferry and Pedestrian travel arrangements for passengers after exiting the Ferry ride.</p> <p>Questions/Comments: Chairman Perkins stated that all modes should encourage people to come to NC. They should also make sure to have metrics to measure and see projects generated and executed.</p> <p>Chairman Perkins stated that we should be measuring customer satisfaction and every mode needs a metric for how to measure success.</p> <p>Committee Member Moran stated that usage and customer satisfaction are two metrics to focus on.</p> <p>Co-Chairwoman Dodson mentioned that multi-modal can help with breaking boundaries and bringing a new perspective.</p> <p>Committee Member Clarke suggested researching the communities multi-modal desires.</p> |
| ACTIONS TAKEN | No action taken |

Adjourned 2:52 pm



MULTI-MODAL COMMITTEE AGENDA

BOARD OF TRANSPORTATION APRIL 4, 2018

TIME: 2:10

LOCATION: EIC

| TOPIC | PRESENTER | TIME |
|---|---|-------------|
| Call to Order Roll Call Declaration of Quorum Approval of January 31, 2018 Meeting Minutes | Chairman Perkins | 2:10 – 2:15 |
| Multi-Modal Transportation Update | David Howard Chief Deputy Secretary | 2:15 – 2:20 |
| Multi-Modal Transportation Update of Modes | Multi-Modal Directors | 2:20 – 2:30 |
| Rocky River Rural Planning Organization (RPO) | Dana Stoogenke, AICP Director | 2:30 - 2:50 |
| Capital Area MPO | Chris Lukasina, AICP, GISP Executive Director | 2:50 – 3:10 |
| Adjourn | Chairman Perkins | 3:10 |
| | | |



MULTI-MODAL COMMITTEE AVIATION DIVISION REPORT SUBMITTED BY: BOBBY WALSTON

BOARD OF TRANSPORTATION
APRIL 4, 2018

PROJECTS (Provide status/update for top 3-5 projects in respective mode)

- Aviation Funding – Related work is continuing in preparation **for the Division's** April 2018 report to the Transportation Appropriation Chairs of the NCGA and the Fiscal Research Division on Commercial Service Airport funding.
- Our Lean Six Sigma project for improvement to our grant process is ongoing and we are completing the analysis phase of this effort. Next, we will develop improvements to the process and measure those impacts. The LSS effort has already led to improvements in the documentation and automation of our workflow and the creation of training videos as well and has helped the training of our new Grants Administrator.
- Criteria are being finalized for prioritizing General Aviation Airport economic development project funding. We anticipate recommendations for economic development projects going before the BOT as early as May.
- The King Air 200 passenger aircraft will undergo a routine annual Phase Check beginning in late April and will take approximately 3-4 weeks. The work will be performed in Winston Salem, NC. Additionally, the aircraft will receive a FAA required Automatic Dependent Surveillance Broadcast (ADS-B) upgrade for enhanced air traffic management.
- The King Air C90, primarily used for photogrammetry missions, will undergo an engine hot section inspection in early May. This inspection is performed halfway through the life of the engines and is based on accrued hours.
- Chief Aircraft Mechanic Tim Luckwaldt retired on February 28th, after 30 years of honorable service.
- Executive Pilot Corbi Bulluck with retire on April 1st after 28 years of honorable State Service.
- The annual State Aviation Art Contest closed out and nine winners were chosen, three from each age group. The nine winners have now been advanced to compete in the national contest in Washington, DC.
- The UAS Program Office issued over 308 NC UAS Operator Permits in January and February putting the total permits issued to date at 2,903.
- The UAS Program Office will host their next workshop in Nags Head on April 19th at the Comfort Inn conference room.
- The UAS Program Office has been asked by FEMA to help lead a statewide UAS Workgroup to help prepare emergency responders using UAS. The goal of the NC UAS Workgroup is to help establish a collaborative environment where local, state, federal, and private sector UAS partners can share best practices, participate in state and regional UAS exercises, and establish working relationships **during "blue skies" that can** be leveraged during times of disaster. The kickoff meeting is planned for April 20th.

BUDGET UPDATES (Provide budget reporting pertinent to respective mode)

- We have obligated nearly 100% of our SFY 18 State Aid to Airports funds and are requesting to cashflow SFY 19 State Aid funds at **this month's BOT meeting**.
- Current construction bids are coming in very high. A couple of areas where bids have been particularly high have been mobilization and electrical items.



MULTI-MODAL COMMITTEE AVIATION DIVISION REPORT SUBMITTED BY: BOBBY WALSTON

ANNOUNCEMENTS

(Share updates on announcements/upcoming events in respective mode)

NEW

- Staffing Changes: We have filled the Grants Administrator position and hope to have the recommendation submitted for the Finance Manager by 3/23/18. We are interviewing for our vacant Senior Airport Project Manager position.
- Our Executive Pilot position posted on 3/19 and closed on 3/30.
- The UAS Program Office partnered with the NC Dept. of Labor and provided a one day UAS Part 107 training class on Feb 13th for both NCDOT, NCDOL, NCSBI, and NCSHP personnel.
- The UAS Program Office has trained and loaned a UAS/drone to Division 1 personnel to help with the response to NC12 from recent winter storms.

UPCOMING

- April 2-4 - FAA Southern Region Conference in Atlanta, GA.
- April 13 & 16 - Division wide Legacy Leadership Training event.
- April 19 - Drone Workshop, Nags Head
- April 20 - FEMA UAS Partnership Kickoff/Exercise, Nags Head
- FAA has begun accommodating our staff needs for training and we have two Airport Project Managers attending FAA engineering and environmental training classes in April and May.
- May 15 - NC Airports Association Legislative Day at the Museum of Natural History.
- The Division has 7 staff members attending the Project Management training course through NCDOT Training and Development that runs through September 2018.

MEETINGS ATTENDED (List any key meetings attended this month)

Presentations were made at the following meetings:

- February 6-7 – UAS Program Office met with AASHTO to complete an interview on how NCDOT is utilizing drones.
- February 16 – UAS Program Office met with the NC A&T University Autonomous and Robotics Lab.
- February 21 – Macon County Airport Authority. The Division of Aviation participated in a presentation and held project discussions.
- February 23 - Commercial Service Airport Funding Program meeting held at DoA.
- February 27 – UAS Program Office attended a state DOT UAS Peer Exchange hosted by the USDOT Volpe Center in Arlington, VA.
- February 28 – UAS Program Office hosted a NC UAS Research Hub meeting which gathered all the NC Universities focusing on UAS research and allowed each to speak about their research efforts.
- March 5-6 - UAS Program Office attended and spoke at the 2nd Annual Public Safety UAS Conference in Charlottesville, VA.
- March 6-8 - UAS Program Office attended the 3rd Annual FAA UAS Symposium in Baltimore, MD.
- March 13 - Moore County Airport Authority. The Division of Aviation gave a presentation to the Airport Authority on the Division and STI process. BOT Member Pat Molamphy and Senator Tom McInnis were in attendance.
- The NCAA Annual Conference was held in Asheville this year from March 26-28 at the Omni Grove Park Inn. This conference had the largest registered attendance in the association's history.



MULTI MODAL COMMITTEE

BICYCLE AND PEDESTRIAN TRANSPORTATION DIVISION REPORT

SUBMITTED BY: JOHANNA COCKBURN

BOARD OF TRANSPORTATION
APRIL 4, 2018

PROJECTS

- Helmet Awards – More than 3,300 child and youth bicycle helmets were awarded to 67 community groups from across the state in February in response to the call for applications issued in December. Helmets will be delivered directly to the community agencies in time for distribution during Bicycle Month in May. Legislators have been invited to participate in helmet delivery events with the awardees, and Board members will be invited to participate.
- Watch for Me NC – Applications for community participation closed on March 23. Watch for Me NC is a nationally recognized, award winning bicycle and pedestrian safety, education and enforcement program emulated across the country. It applies a comprehensive, data-driven approach to increase public awareness and expand local capacity to improve bicycle and pedestrian safety. Selected communities receive educational support materials, technical assistance and training. Awardees will be notified in April.
- Complete Streets Policy Review – A stakeholder committee has been formed to assist in the review of the 2009 Complete Street Policy. Representatives include MPO/RPO representatives, local officials, advocates and various NCDOT divisions. The stakeholder group will meet on a quarterly basis, with the next meeting scheduled for April 23.
- NC Safe Routes to School Conference – The North Carolina Safe Routes to School conference was held on March 21 in Greensboro, sponsored by DBPT. The conference featured success stories from schools, communities and state initiatives, including the Active Routes to School Project. Deputy Secretary White spoke at the opening session of the conference, and division staff assisted in developing sessions.
- Bicycle and Pedestrian Plan Implementation Report. A legislative report is being prepared that summarizing the implementation progress of projects identified in adopted bicycle and pedestrian plans produced under the Bicycle and Pedestrian Planning Grant Program. The final report is due May 15, and will be produced on an annual basis.
- May is Bicycle Month – The Governor has been asked to consider a resolution designating May as Bicycle Month. During the month of May, events that highlight and celebrate bicycling will occur in communities across the state. An official Bike to School event is being planned for the first week of May. More details and invitations for Board members to participate will be forthcoming.

BUDGET UPDATES

- N/A

ANNOUNCEMENTS

- | <u>NEW</u> | <u>UPCOMING</u> |
|--|--|
| <ul style="list-style-type: none"> • , April 9-12 • Long Branch Rail Trail Dedication, Winston-Salem, April 11 • Piedmont Legacy Trails Summit, Wentworth, April 13 | <ul style="list-style-type: none"> • May Bicycle Month Activities |

MEETINGS ATTENDED

- Triangle Chapter Women's Transportation Seminar, February 27
- House Select Committee Meeting, March 5
- Triangle Bicycle and Pedestrian Workshop, March 16
- East Coast Greenway NC Committee Meeting, March 20
- Safe Routes to School Conference, March 21



MULTI MODAL COMMITTEE FERRY DIVISION REPORT SUBMITTED BY: JOHN DIXON

BOARD OF TRANSPORTATION
APRIL 4, 2018

PROJECTS (Provide status/update for top 3-5 projects in respective mode)

- Passenger Ferry Project
 - Boats: Hull erection and framing 50% complete and on schedule for June 28th, about 4 weeks behind schedule. Two CAT-C18 engines delivered to USW 9 Feb. Remaining two are being prepared for shipping. Thrustmaster Waterjets are in production with expected delivery in early April. Detailed engineering is complete and full submittals to the USCG are being prepared by USW. Training and trial runs planned for late June.
 - Terminals:
 - A.R Chesson mobilized at Hatteras and installed temporary security fencing and erosion control. Delivery of custom wooden piles scheduled for early April.
 - Floating dock bids received 8 Dec 17. **Engineer's estimate was \$1,149,958. Bids received at \$2,933,855 and \$2,953,878 had to be rejected.** Revised bid package is with Purchasing. Advertisement pending and critical for on time delivery.
 - Transit: Tram purchase order awarded to Moto Electric for four trams with two trailers with wheelchair space. Total passenger capacity for one tram and trailer is 34 + WC. Two trams will operate at one time. Manufacturing takes 90 days. Delivery is planned for late May.
- Platen #5 Project
 - Design drawings 100% complete. State approved the stormwater design. Erosion control and environmental impact permitting documents are in production.
- Ferry Ticketing and Reservations upgrades
 - Hardware has been ordered for Passenger Ferry terminals. Standardization of division ticketing / reservation hardware is in progress. Enterprise testing of passenger ferry application underway. Client testing to begin last two weeks in March. Training planned for April. Potential delays may result from required server upgrades but expectation is high that no conflict will materialize.
- Visual Paging System - Grant
 - ESS issued the Purchase Order to install ADA compliant visual notification systems on 5 ferries. Exploring the opportunity to incorporate sponsorship activities behind the emergency and informational notifications
- Vessel Departure Time - Digital Posting
 - Monitors are being ordered for all terminals to facilitate digital posting of vessel departures for travelers.

April 4, 2018



MULTI MODAL COMMITTEE FERRY DIVISION REPORT SUBMITTED BY: JOHN DIXON

BUDGET UPDATES (Provide budget reporting pertinent to respective mode)

- FY 18
- Year to Date Expenditures \$26,239,814.33
- Rev Generated Vessel Replacement Accts Balance Forward \$ 10,075,986.08
 - FER Sys Capital All Routes \$127,376.50
 - Currituck-Knotts Island \$31,268.67
 - Hatteras Inlet \$285,015.25
 - Swan Quarter-Ocracoke Island \$1,924,912.41
 - Ocracoke Island of OI-Cedar \$1,701,782.86
 - Pamlico River \$34,931.46
 - Cherry Branch-Minnesott Beach \$181,381.33
 - Cedar Island of OI-Cedar Island \$1,701,767.91
 - Southport-Fort Fisher \$4,087,549.69
- Shipyard Improvement Account Balance Forward \$ 975,733.63

ANNOUNCEMENTS

(Share updates on announcements/upcoming events in respective mode)

NEW

•

UPCOMING

•

MEETINGS ATTENDED (List any key meetings attended this month)

Presentations were made at the following meetings:

Passenger ferry update Ocracoke Civic and Business Ocracoke, NC Feb 7th

Passenger ferry update Dare County Commissioners Manteo, NC Feb 20th

Visit NC conference March 5th and 6th

CLOSING THOUGHTS

•



MULTI MODAL COMMITTEE FERRY DIVISION REPORT SUBMITTED BY: JOHN DIXON

BOARD OF TRANSPORTATION APRIL 4, 2018

PROJECTS (Provide status/update for top 3-5 projects in respective mode)

- Passenger Ferry Project
 - Boats: Hull erection and framing 50% complete and on schedule for June 28th, about 4 weeks behind schedule. Two CAT-C18 engines delivered to USW 9 Feb. Remaining two are being prepared for shipping. Thrustmaster Waterjets are in production with expected delivery in early April. Detailed engineering is complete and full submittals to the USCG are being prepared by USW. Training and trial runs planned for late June.
 - Terminals:
 - A.R Chesson mobilized at Hatteras and installed temporary security fencing and erosion control. Delivery of custom wooden piles scheduled for early April.
 - Floating dock bids received 8 Dec 17. **Engineer's estimate was \$1,149,958. Bids received at \$2,933,855 and \$2,953,878 had to be rejected.** Revised bid package is with Purchasing. Advertisement pending and critical for on time delivery.
 - Transit: Tram purchase order awarded to Moto Electric for four trams with two trailers with wheelchair space. Total passenger capacity for one tram and trailer is 34 + WC. Two trams will operate at one time. Manufacturing takes 90 days. Delivery is planned for late May.
- Platen #5 Project
 - Design drawings 100% complete. State approved the stormwater design. Erosion control and environmental impact permitting documents are in production.
- Ferry Ticketing and Reservations upgrades
 - Hardware has been ordered for Passenger Ferry terminals. Standardization of division ticketing / reservation hardware is in progress. Enterprise testing of passenger ferry application underway. Client testing to begin last two weeks in March. Training planned for April. Potential delays may result from required server upgrades but expectation is high that no conflict will materialize.
- Visual Paging System - Grant
 - ESS issued the Purchase Order to install ADA compliant visual notification systems on 5 ferries. Exploring the opportunity to incorporate sponsorship activities behind the emergency and informational notifications
- Vessel Departure Time - Digital Posting
 - Monitors are being ordered for all terminals to facilitate digital posting of vessel departures for travelers.



MULTI MODAL COMMITTEE FERRY DIVISION REPORT SUBMITTED BY: JOHN DIXON

BUDGET UPDATES (Provide budget reporting pertinent to respective mode)

- FY 18
- Year to Date Expenditures \$26,239,814.33
- Rev Generated Vessel Replacement Accts Balance Forward \$ 10,075,986.08
 - FER Sys Capital All Routes \$127,376.50
 - Currituck-Knotts Island \$31,268.67
 - Hatteras Inlet \$285,015.25
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 - Cherry Branch-Minnesott Beach \$181,381.33
 - Cedar Island of OI-Cedar Island \$1,701,767.91
 - Southport-Fort Fisher \$4,087,549.69
- Shipyard Improvement Account Balance Forward \$ 975,733.63

ANNOUNCEMENTS

(Share updates on announcements/upcoming events in respective mode)

NEW

•

UPCOMING

•

MEETINGS ATTENDED (List any key meetings attended this month)

Presentations were made at the following meetings:

Passenger ferry update Ocracoke Civic and Business Ocracoke, NC Feb 7th

Passenger ferry update Dare County Commissioners Manteo, NC Feb 20th

Visit NC conference March 5th and 6th

CLOSING THOUGHTS

•



MULTI MODAL COMMITTEE FERRY DIVISION REPORT

BOARD OF TRANSPORTATION 7-8 MARCH 2018

PROJECTS (Provide status/update for top 3-5 projects in respective mode)

- Passenger Ferry Project
 - Boats: Hull erection and framing 35% complete and about 2 weeks behind schedule. CAT-C18 engines scheduled to ship to USW 9 Feb. Thrustmaster Waterjets are in production with expected delivery 1 Mar. Detailed engineering will be complete 9 Feb. Delays in receiving drawings from BMT-Nigel (working with USW) has restrained hull fabrication causing the 2-week schedule slip. Contractor 45-60 days behind schedule; still developing work plan to make up schedule.
 - Terminals:
 - Pre-Construction meeting held on 23 Jan 18. Contractor, A.R Chesson, mobilized at Hatteras and began installing temporary security fencing. .
 - Floating dock bids received 8 Dec 17. **Engineer's estimate was \$1,149,958.** Bids received at \$2,933.855 and \$2,953,878 had to be rejected. Docks, gangways, railings and utility connections will be bid separately to eliminate prime contractor risk and mark-up. Docks, gangways, and railings will be issued as Purchase Orders to eliminate the need for bonding. Construction period of will be reduced to 4 months.
 - Transit: Tram procurement IFB was advertised and bids are due 17 Feb. Manufacturing takes 90 days. Delivery is planned for late May.
- Platen #5 Project
 - Design drawings 100% complete. State approved the stormwater design. Erosion control and environmental impact permitting documents are in production.
- Ticketing and Reservations upgrades
 - Accepting American Express; inclusion of the Pedestrian Ferry Route and the non-toll routes for traffic collection. Anticipate implementation of Pedestrian Route in the summer of 2018

BUDGET UPDATES (Provide budget reporting pertinent to respective mode)

- FY 18
- Year to Date Expenditures \$23,237,981.74
- Rev Generated Vessel Replacement Accts Balance Forward \$ 9,962,538.17
 - FER Sys Capital All Routes \$92,912.50
 - Currituck-Knotts Island \$30,838.41
 - Hatteras Inlet \$276,622.86
 - Swan Quarter-Ocracoke Island \$1,912,723.36
 - Ocracoke Island of OI-Cedar \$1,696,142.17
 - Pamlico River \$34,332.61
 - Cherry Branch-Minnesott Beach \$177,595.24
 - Cedar Island of OI-Cedar Island \$1,696,127.20
 - Southport-Fort Fisher \$4,045,243.82
- Shipyard Improvement Account Balance Forward \$ 957,904.71



MULTI MODAL COMMITTEE FERRY DIVISION REPORT

ANNOUNCEMENTS

(Share updates on announcements/upcoming events in respective mode)

NEW

•

UPCOMING

•

MEETINGS ATTENDED (List any key meetings attended this month)

The following presentations were made on the passenger ferry project:

Passenger Ferry Stakeholder group Manteo, NC Jan 26th

Passenger Vessel Association, Savannah GA Jan 29th

Ocracoke Civic and Business Ocracoke, NC Feb 7th

Dare County Commissioners Manteo, NC Feb 20th

CLOSING THOUGHTS

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**NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
FERRY DIVISION MONTHLY UPDATE REPORT FOR Feb 2018**

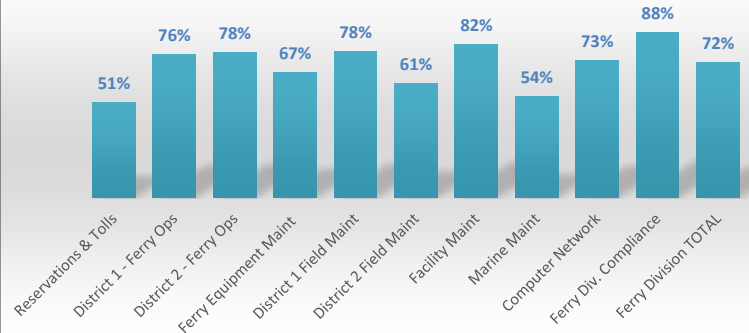
Ridership (Vehicles)

| Ferry Routes | Feb 2018 | Feb 2017 | DELTA | FY18 YTD | FY17 YTD | DELTA |
|---------------------------|----------|----------|--------|----------|----------|-------|
| Currituck - Knotts Island | 1,156 | 1,372 | -15.7% | 10,826 | 11,776 | -8.1% |
| Hatteras - South Dock | 6,260 | 6,594 | -5.1% | 141,673 | 150,717 | -6.0% |
| Swan Quarter - Ocracoke | 1,172 | 1,221 | -4.0% | 20,309 | 20,603 | -1.4% |
| Cedar Island - Ocracoke | 1,319 | 1,447 | -8.8% | 25,720 | 28,086 | -8.4% |
| Aurora - Bayview | 3,331 | 3,437 | -3.1% | 29,808 | 32,429 | -8.1% |
| Cherry Branch - Minnesott | 13,672 | 12,917 | 5.8% | 127,755 | 126,332 | 1.1% |
| South Port - Fort Fisher | 10,333 | 12,000 | -13.9% | 120,317 | 126,616 | -5.0% |
| Emergency Ferry Rt. | | | | | | |
| Monthly Total | 37,243 | 38,988 | -4.5% | 476,408 | 496,559 | -4.1% |
| Schedule Maintained | 96.8% | 96.5% | 0.3% | 95.2% | 96.0% | -0.8% |

Budget (Operations & Maintenance)

| Departments | FY2018 Spending Plan | Expenditures through Feb 2018 |
|------------------------|-------------------------|----------------------------------|
| Reservations & Tolls | \$ 356,074.00 | \$ 181,051.29 |
| District 1 - Ferry Ops | \$ 10,398,483.00 | \$ 7,926,880.03 |
| District 2 - Ferry Ops | \$ 8,049,597.00 | \$ 6,259,473.88 |
| Ferry Equipment Maint | \$ 13,453,173.00 | \$ 8,961,145.86 |
| District 1 Field Maint | \$ 391,650.00 | \$ 305,354.01 |
| District 2 Field Maint | \$ 497,850.00 | \$ 302,611.10 |
| Facility Maint | \$ 409,097.00 | \$ 335,042.87 |
| Marine Maint | \$ 1,238,433.00 | \$ 666,355.91 |
| Computer Network | \$ 344,000.00 | \$ 252,201.43 |
| Ferry Div. Compliance | \$ 1,188,495.00 | \$ 1,049,697.95 |
| Ferry Division TOTAL | \$ 36,326,852.00 | \$ 26,239,814.33 |

Percent of Planned Budget Spent



Status of Capital Reserves Funds

| Routes | WBS | WBS Balance as of | Feb 2018 |
|---|------------|-------------------|---------------|
| FER Sys Cptl All Routes | 16SP.501.1 | \$ | 127,376.50 |
| FER D1 Currituck-Knotts Island Cap Reserve | 16SP.511.1 | \$ | 31,268.67 |
| FER D1 Hatteras Inlet Cap Reserve | 16SP.512.1 | \$ | 285,015.25 |
| FER D1 Swan Quarter - Ocracoke Island Cap Reserve | 16SP.513.1 | \$ | 1,924,912.41 |
| FER D1 Ocracoke Island of Ol-Cedar Island Cap Reserve | 16SP.514.1 | \$ | 1,701,782.86 |
| FER D2 Pamlico River Route Cap Reserve | 16SP.521.1 | \$ | 34,931.46 |
| FER D2 Cherry Branch - Minnesott Beach Cap Reserve | 16SP.522.1 | \$ | 181,381.33 |
| FER D2 Cedar Island of Ol - Cedar Island Cap Reserve | 16SP.523.1 | \$ | 1,701,767.91 |
| FER D3 South Port - Fort Fisher Cap Reserve | 16SP.531.1 | \$ | 4,087,549.69 |
| FER Shipyard Capital Reserve | 16SP.43 | \$ | 975,733.63 |
| Total | | \$ | 11,051,719.71 |

Missed Trips Summary for Month Reporting

| Ferry Routes | Scheduled | Missed | A | B | C | D |
|---------------------------|-----------|--------|----|----|---|----|
| Currituck - Knotts Island | 280 | 4 | 4 | | | |
| Hatteras - South Dock | 784 | 0 | | | | |
| Swan Quarter - Ocracoke | 168 | 31 | 2 | | 2 | 27 |
| Cedar Island - Ocracoke | 168 | 28 | | 2 | | 26 |
| Aurora - Bayview | 392 | 18 | | 18 | | |
| Cherry Branch - Minnesott | 1,634 | 17 | 14 | | | 3 |
| South Port - Fort Fisher | 784 | 38 | 27 | 7 | | 4 |
| Monthly Total | 4,210 | 136 | 47 | 27 | 2 | 60 |

Missed Trips Legend: A-Weather, B-Mechanical, C-Inspections, D-Other

Shipyard Capital Reserve Brief

| Expenditures | Feb 2018 | Cumulative |
|---|-------------|----------------|
| 16SP.43.1 | \$0.00 | \$874,966.50 |
| Receipts | Feb 2018 | Cumulative |
| 16SP.43.2 | \$314.45 | \$1,833,185.66 |
| Commitment Line Items | | Value |
| Clemvac MK3 (abrasive recovery equip) | | \$17,550.00 |
| Total Commitments | | \$17,550.00 |
| Upcoming priorities | | Estimate |
| Ticketing/reservations upgrades/testing | | \$0.00 |
| VSL Visual Paging System - Grant | | \$66,000.00 |
| Pending Receipts | Amount | |
| USACE - Currituck | \$17,514.47 | |

Other Missed Trips: SQ&CI-OI (27) (26) Shoaling, Low Tide, CB(3)Prev Maint, SP(4) Ramp Chain Repl
 Passenger Ferry Project: Hull erection & framing 50% complete; Vsl del. scheduled for 28 June
 Terminal contractor mobilized in Hatteras; custom piles sch. for early April. Floating Docks bid with purchasing. Moto Electric awarded motorized tram contract with delivery for late May.
 Ferry Ticketing/Res Application: Testing begun
 Ferry Departures Digital Posting: Monitors ordered, all terminals
 ESS awarded PO to install Visual Paging System - 5 Ferries



**NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
FERRY DIVISION MONTHLY UPDATE REPORT FOR Feb 2018**

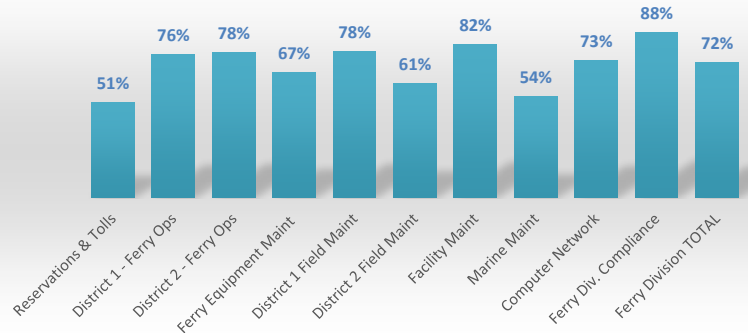
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| Reservations & Tolls | \$ 356,074.00 | \$ 181,051.29 |
| District 1 - Ferry Ops | \$ 10,398,483.00 | \$ 7,926,880.03 |
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| Computer Network | \$ 344,000.00 | \$ 252,201.43 |
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| Ferry Division TOTAL | \$ 36,326,852.00 | \$ 26,239,814.33 |

Percent of Planned Budget Spent



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Shipyard Capital Reserve Brief

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| Receipts | Feb 2018 | Cumulative |
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| Commitment Line Items | Value | |
| Clemvac MK3 (abrasive recovery equip) | \$17,550.00 | |
| Total Commitments | \$17,550.00 | |
| Upcoming priorities | Estimate | |
| Ticketing/reservations upgrades/testing | \$0.00 | |
| VSL Visual Paging System - Grant | \$66,000.00 | |
| Pending Receipts | Amount | |
| USACE - Currituck | \$17,514.47 | |

Other Missed Trips: SQ&CI-OI (27) (26) Shoaling, Low Tide, CB(3)Prev Maint, SP(4) Ramp Chain Repl
 Passenger Ferry Project: Hull erection & framing 50% complete; Vsl del. scheduled for 28 June
 Terminal contractor mobilized in Hatteras; custom piles sch. for early April. Floating Docks bid with purchasing. Moto Electric awarded motorized tram contract with delivery for late May.
 Ferry Ticketing/Res Application: Testing begun
 Ferry Departures Digital Posting: Monitors ordered, all terminals
 ESS awarded PO to install Visual Paging System - 5 Ferries



**NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
FERRY DIVISION MONTHLY UPDATE REPORT FOR Jan 2018**

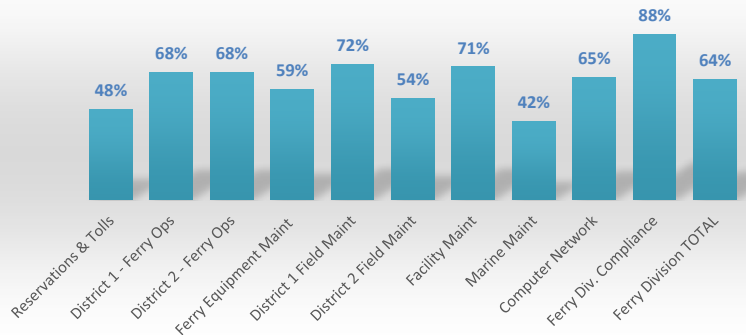
Ridership (Vehicles)

| Ferry Routes | Jan 2018 | Jan 2017 | DELTA | FY18 YTD | FY17 YTD | DELTA |
|---------------------------|----------|----------|--------|----------|----------|-------|
| Currituck - Knotts Island | 481 | 945 | -49.1% | 9,670 | 10,404 | -7.1% |
| Hatteras - South Dock | 4,127 | 5,955 | -30.7% | 135,413 | 144,123 | -6.0% |
| Swan Quarter - Ocracoke | 1,282 | 1,392 | -7.9% | 19,136 | 19,382 | -1.3% |
| Cedar Island - Ocracoke | 1,074 | 1,320 | -18.6% | 24,401 | 26,638 | -8.4% |
| Aurora - Bayview | 3,179 | 3,742 | -15.0% | 26,477 | 28,992 | -8.7% |
| Cherry Branch - Minnesott | 11,398 | 13,065 | -12.8% | 114,083 | 112,753 | 1.2% |
| South Port - Fort Fisher | 8,036 | 9,859 | -18.5% | 109,984 | 114,616 | -4.0% |
| Emergency Ferry Rt. | | | | | | |
| Monthly Total | 29,577 | 36,278 | -18.5% | 439,164 | 456,908 | -3.9% |
| Schedule Maintained | 88.7% | 94.3% | -5.9% | 95.0% | 95.9% | -0.9% |

Budget (Operations & Maintenance)

| Departments | FY2018 Spending Plan | Expenditures through Jan 2018 |
|------------------------|-------------------------|----------------------------------|
| Reservations & Tolls | \$ 356,074.00 | \$ 171,311.64 |
| District 1 - Ferry Ops | \$ 10,398,483.00 | \$ 7,072,215.69 |
| District 2 - Ferry Ops | \$ 8,049,597.00 | \$ 5,481,968.20 |
| Ferry Equipment Maint | \$ 13,453,173.00 | \$ 7,886,234.74 |
| District 1 Field Maint | \$ 391,650.00 | \$ 282,646.13 |
| District 2 Field Maint | \$ 497,850.00 | \$ 268,923.50 |
| Facility Maint | \$ 409,097.00 | \$ 289,745.66 |
| Marine Maint | \$ 1,238,433.00 | \$ 514,467.72 |
| Computer Network | \$ 344,000.00 | \$ 224,625.99 |
| Ferry Div. Compliance | \$ 1,188,495.00 | \$ 1,045,842.47 |
| Ferry Division TOTAL | \$ 36,326,852.00 | \$ 23,237,981.74 |

Percent of Planned Budget Spent



Status of Capital Reserves Funds

| Routes | WBS | WBS Balance as of | Jan 2018 |
|---|------------|-------------------|---------------|
| FER Sys Cptl All Routes | 16SP.501.1 | \$ | 92,912.50 |
| FER D1 Currituck-Knotts Island Cap Reserve | 16SP.511.1 | \$ | 30,838.41 |
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| FER D2 Cedar Island of OI - Cedar Island Cap Reserve | 16SP.523.1 | \$ | 1,696,127.20 |
| FER D3 South Port - Fort Fisher Cap Reserve | 16SP.531.1 | \$ | 4,045,243.82 |
| FER Shipyard Capital Reserve | 16SP.43 | \$ | 957,904.71 |
| Total | | \$ | 10,920,442.88 |

Missed Trips Summary for Month Reporting

| Ferry Routes | Scheduled | Missed | A | B | C | D |
|---------------------------|-----------|--------|-----|----|---|---|
| Currituck - Knotts Island | 310 | 165 | 153 | 12 | | |
| Hatteras - South Dock | 868 | 0 | | | | |
| Swan Quarter - Ocracoke | 186 | 33 | 27 | 2 | 4 | |
| Cedar Island - Ocracoke | 186 | 26 | 21 | 3 | 2 | |
| Aurora - Bayview | 434 | 55 | 34 | 21 | | |
| Cherry Branch - Minnesott | 1,654 | 139 | 139 | | | |
| South Port - Fort Fisher | 868 | 89 | 71 | 12 | | 6 |
| Monthly Total | 4,506 | 507 | 445 | 50 | 6 | 6 |

Shipyard Capital Reserve Brief

| Expenditures | Jan 2018 | Cumulative |
|-----------------------|----------|----------------|
| 16SP.43.1 | \$0.00 | \$874,966.50 |
| | | |
| Receipts | Jan 2018 | Cumulative |
| 16SP.43.2 | \$0.00 | \$1,832,871.21 |
| | | |
| Commitment Line Items | | Value |
| | | |
| | | |
| | | |

Missed Trips Legend: A-Weather, B-Mechanical, C-Inspections, D-Other

Updates or Comments

Other Missed Trips: SP (6) C/E Injury
 Passenger Ferry Project: Hull erection & framing 35% complete; about 2 weeks behind schedule
 Engines to ship to USW 9 Feb; Waterjets expected 1 Mar
 AR Chesson mobilized in Hatteras to begin passenger terminal construction. Floating docks, gangways, railings and utility connection bids were well over engineer's estimate and rejected. Each will now be bid separately to reduce contractor risk/bonding.



| | |
|---------------------|----------|
| Total Commitments | \$0.00 |
| Upcoming priorities | Estimate |

| | |
|----------------------------------|-------------|
| Ticketing/reservations upgrades | \$0.00 |
| VSL Visual Paging System - Grant | \$66,000.00 |
| Pending Receipts | Amount |
| USACE - Currituck | \$17,514.47 |
| | |
| | |



PIEDMONT & CAROLINIAN PERFORMANCE SNAPSHOT

NCDOT RAIL DIVISION for the Month of DECEMBER 2017

Ridership

| | FFY18 DEC | FFY17 DEC | Δ | FFY18 YTD | FFY17 YTD | Δ |
|-------------------|---------------|---------------|-----------|----------------|----------------|-----------|
| Carolinian | 24,857 | 24,940 | -0.3% | 72,797 | 71,852 | 1% |
| Piedmont | 15,813 | 14,549 | 9% | 45,451 | 42,161 | 8% |
| Total | 40,670 | 39,489 | 3% | 118,248 | 114,013 | 4% |

Number of Trains

Average Number of Passengers per Train

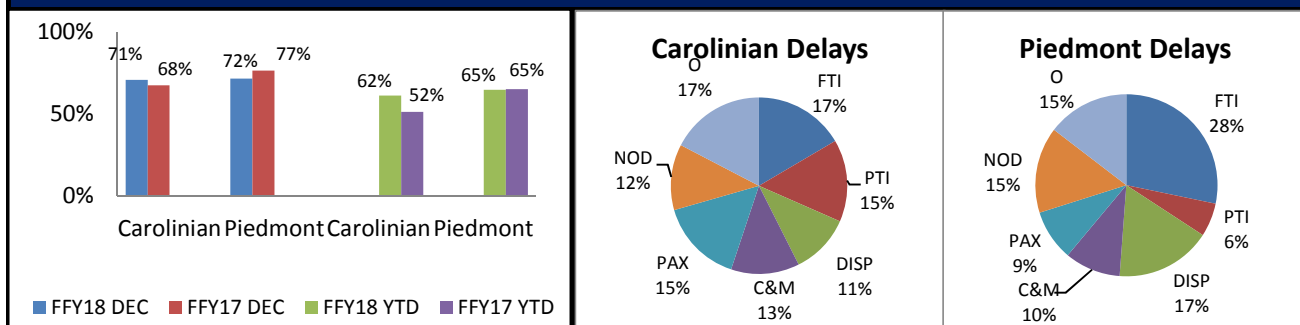
| FFY18 DEC | FFY17 DEC | Service | FFY18 DEC | FFY17 DEC | Δ |
|-----------|-----------|-------------------|-----------|-----------|-----|
| 61 | 62 | Carolinian | 407 | 402 | 1% |
| 123 | 124 | Piedmont | 129 | 117 | 10% |

Revenue

| | FFY18 DEC | FFY17 DEC | Δ | FFY18 YTD | FFY17 YTD | Δ |
|--------------------------------|--------------------------------|--------------------|-------------|--------------------|--------------------|-----------|
| Carolinian | \$1,705,018 | \$1,673,680 | 2% | \$4,673,916 | \$4,469,845 | 5% |
| Piedmont | \$356,698 | \$312,354 | 14% | \$1,037,069 | \$904,498 | 15% |
| Total | \$2,061,716 | \$1,986,034 | 4% | \$5,710,985 | \$5,374,343 | 6% |
| Amenities & Vending | Mo. Surcharge + Vending Income | \$22,786 | Mo. Expense | \$4,675 | Mo. Surplus | \$18,111 |

December 2017 service modifications affected one Piedmont Train and one Carolinian train. On December 19, Train 76 operated between Charlotte and Salisbury only and Train 79 operated between New York and Greensboro only due to a building fire adjacent to the tracks burning too hot for safe train operations through the area; alternate transportation was provided for passengers. Average gasoline prices remained low in December 2017 but were \$0.15 per gallon higher than in December 2016.

On-time Performance



Delay Minutes Attributable to NOD

| | FFY18 DEC | FFY17 DEC | Δ |
|-------------------|-----------|-----------|------|
| Carolinian | 760 | 653 | 16% |
| Piedmont | 514 | 128 | 302% |

*Carolinian and Piedmont delays were 6,302 and 3,362 minutes, respectively. FTI - Freight Train Interference; PTI - Passenger Train Interference; DISP - Dispatch Related; C&M - Construction, Maintenance; PAX - Any Passenger Related; NOD - Train at station awaiting scheduled departure time; O - All Other Delays (e.g. weather, mechanical). Carolinian trains arriving within 20 minutes and Piedmont trains within 10 minutes of schedule are considered on time.

Overall Customer Satisfaction

| | FFY18 NOVEMBER | FFY17 YEAR-END | Δ |
|-------------------|----------------|----------------|-----|
| Carolinian | 70% | 73% | -3% |
| Piedmont | 89% | 92% | -3% |

*The customer satisfaction index (eCSI) is calculated from rider survey data conducted on line and is for one month prior to the current report month. Overall satisfaction is defined as average scores greater than or equal to 80. Customer satisfaction goals for FFY 2018 were 75.2% for the Carolinian and 91.4% for the Piedmont. Overall November eCSI for all Amtrak services was 77.4%.

North Carolina City Pairs with Largest Ridership

| | Carolinian | Piedmont |
|----|-------------------------|------------------------|
| 1 | Raleigh - Washington | Charlotte - Raleigh |
| 2 | Charlotte - Raleigh | Charlotte - Durham |
| 3 | Charlotte - Durham | Charlotte - Cary |
| 4 | Durham - Washington | Charlotte - Greensboro |
| 5 | New York - Raleigh | Greensboro - Raleigh |
| 6 | Greensboro - Washington | Charlotte - HighPoint |
| 7 | Cary - Washington | Cary - Greensboro |
| 8 | Charlotte - New York | Durham - Greensboro |
| 9 | Charlotte - Washington | Burlington - Charlotte |
| 10 | New York - Wilson | Cary - Durham |

*Of the ten city pairs with the highest ridership, from the previous FFY month New York - Raleigh had the largest increase of 16% and Charlotte - Washington the largest decrease of 24% for the Carolinian; Cary - Durham had the largest increase of 52% and Cary - Greensboro the largest decrease of 10% for the Piedmont. Highlights indicate increased ridership from December 2016 for the station pairs.

Carolinian and Piedmont Total Ons-Offs at North Carolina Stations

| | FFY18 DEC | FFY17 DEC | Δ |
|------------------|-----------|-----------|------|
| Charlotte | 14,950 | 14,478 | 3% |
| Raleigh | 10,753 | 10,016 | 7% |
| Greensboro | 8,811 | 8,316 | 6% |
| Durham | 6,784 | 6,493 | 4% |
| Cary | 5,525 | 5,501 | 0.4% |
| High Point | 2,696 | 2,835 | -5% |
| Wilson | 2,562 | 2,724 | -6% |
| Burlington | 1,946 | 1,918 | 1% |
| Salisbury | 1,687 | 1,449 | 16% |
| Kannapolis | 1,678 | 1,549 | 8% |
| Rocky Mount | 1,528 | 1,650 | -7% |
| Selma-Smithfield | 1,196 | 992 | 21% |
| Total | 60,117 | 57,921 | 4% |

*The values represent passenger ons and offs at North Carolina stations for only state-supported routes and do not include those of other Amtrak services. The values should not be construed as total ridership.

North Carolina Train Host Association

| | FFY18 DEC | FFY18 YTD |
|----------------------------|-----------|-----------|
| Train Host Volunteer Hours | 881 | 2,651 |

Go. Reconnect.





MULTI MODAL COMMITTEE PUBLIC TRANSPORTATION DIVISION REPORT SUBMITTED BY: DEBBIE COLLINS

BOARD OF TRANSPORTATION
APRIL 4, 2018

PROJECTS

- Strategic Plan Summit on March 21, 1-4 PM at the Raleigh Convention Center. Registration has reached 366 with 10 days to go.
- City of Durham hosted an Electric Vehicle meeting on February 5, 2018. The three primary vendors (Proterra, BYD, New Flyer) attended. BYD bought a demonstration bus. Asheville and Greensboro have electric vehicles on order. GoDurham has funding to start building their electric fleet. Duke Power also gave advice on getting them involved in the planning early as charging station location decisions are made.



BUDGET UPDATES

- Most of the grants for Fiscal Year were presented to the BOT for approval in March 2018 and grants will be submitted in the Federal Transit Administration grant system by April 1, 2018

ANNOUNCEMENTS

NEW

- **Charlotte's Blue Line Extension was dedicated on February 26; service started on March 16.**

UPCOMING

- Public Transportation Strategic Plan Summit – Raleigh Convention Center – March 21, 2018
- NC Public Transportation Association Conference – Wilmington – April 23-25
- NC Association of MPOs – Durham – April 25-27

MEETINGS ATTENDED

- NC Public Transportation Association Quarterly Meeting – February 2
- Business I-40 Mitigation – February 12
- NC Association of MPOs Quarterly Meeting – February 16
- NCDOT Performance Measures Implementation – February 20, March 28
- NC Council of Developmental Disabilities (NCCDD) – February 21, March 28
- Passenger Ferry Implementation Meetings – February 13, 23
- Autonomous and Connected Vehicle Task Force – March 2
- Accountable Care Communities Task Force – March 5
- Charlotte Regional Transportation Planning Organization – March 5
- House Select Committee on Strategic Transportation Planning and Long Term Funding Solutions – March 5

April 4, 2018



MULTI MODAL COMMITTEE RAIL DIVISION REPORT SUBMITTED BY: CHARLES EDWARDS

BOARD OF TRANSPORTATION
APRIL 4, 2018

PROJECTS (Provide status/update for top 3-5 projects in respective mode)

- P-5705B Charlotte Gateway Station
 - The contract for Trade Street median has been executed. Construction is anticipated to start the week of March 19. Rail Division Construction and the contractor are coordinating with CDOT on traffic modifications/lane closures.
 - Construction and maintenance agreements between NCDOT, Norfolk Southern, and the City of Charlotte are in process of execution. Supplemental contracts for the full design of the iconic canopy (cable stayed) has been authorized to proceed. The designer (HNTB) has been given instructions to hold design at the 30% level pending approval from City and NCDOT to continue to canopy design completion.
- U-4447 Blue Ridge Road
 - The Rail Division is the recipient of a TIGER grant by FHWA for \$19.9 Million. Once the official award and cooperative agreement are received, Rail staff will begin the setup of the grant and the required paperwork.
- P-4900 Pembroke Connection
 - Coordination continues between NCDOT Rail, NCDOT Communications, and CSX communications staff to discuss details of a press release and event marking completion of the new 2.4-mile long connector. NCDOT Communications has recommended and we are proceeding with a combined event marking the ground breaking for the UNC Pembroke Gateway roadway project in addition to marking completion of the Connector.
- DC to Richmond SE High Speed Rail
 - Staff continued coordination with Virginia DRPT on their DC2RVA (Washington, DC to Richmond, VA) Service **Development Plan (SDP). DRPT's consultant team had previously developed train schedules for the Southeast Corridor 2030 design that conflicted with the Raleigh to Richmond FEIS schedules and created undesirable departure times from Charlotte and Raleigh. DRPT's team offered new schedules that addressed the Rail Division's issues and all parties gave verbal consent to the plan. Amtrak and CSX would have to approve the SDP results in the future.**
- P-5704 Stouts Siding
 - Schedule has been revised to LET in early 2019 due to CSX not including their funding portion in their 2018 budget. All construction plans are to be in complete shape in the next several weeks. CSX has not yet confirmed if project will be in their 2019 budget. This project is on the QCE (Wilmington-Charlotte) route.

BUDGET UPDATES (Provide budget reporting pertinent to respective mode)

| |
|--|
| |
|--|

ANNOUNCEMENTS

(Share updates on announcements/upcoming events in respective mode)

| <u>NEW</u> | <u>UPCOMING</u> |
|------------|-----------------|
| | |

April 4, 2018



MULTI MODAL COMMITTEE RAIL DIVISION REPORT SUBMITTED BY: CHARLES EDWARDS

MEETINGS ATTENDED (List any key meetings attended this month)

- P-5713 Hilltop Road Grade Separation - Greensboro
 - A Local Officials meeting, and Public Meeting have been scheduled for the Hilltop Road Grade Separation project TIP P-5713. The meetings are scheduled for March 22, from 2:00 pm – 3:00 pm, and 4:00 pm – 7:00 pm respectively. This will be the first public meeting on this project and will be held at the Korean United Methodist Church at 2504 Woodlyn Way, Greensboro.

CLOSING THOUGHTS

- N/A



MULTI MODAL COMMITTEE RAIL DIVISION REPORT SUBMITTED BY: CHARLES EDWARDS

BOARD OF TRANSPORTATION
MARCH 2018

PROJECTS (Provide status/update for top 3-5 projects in respective mode)

- P-5705B Charlotte Gateway Station
 - Rail Design & Construction Branch opened bids for the first CGS construction contract on January 30. This contract will build the foundation for the new station track bridge in the median of Trade St. to allow work to proceed prior to CATS Gold Line Streetcar work at the same location.
 - Four bids were received, and the apparent low bidder is Blythe Construction. Rail Division has requested the final paperwork required to determine that Blythe Construction is the lowest responsive bidder and, if received, expects to provide a Notice to Proceed on this contract in early February.
 - Construction on this contract, which will be administered by the Rail Construction Unit, is anticipated to begin in late March and be complete by the end of July 2018. D&C has notified the City, FRA, NS, and Division 10 of the apparent low bidder.
 - The primary CGS Phase I contract LET date has been scheduled for May 15 to allow time for final negotiation of the construction and maintenance agreements between NCDOT, the City and NSR, and also to obtain stakeholder approval of the platform plans, which was a later addition to the project design.
- P-5500 Raleigh Union Station
 - The first station track is anticipated to be placed in service in late March. Train set testing at the platform will begin following the in-service of the track.
 - The station building ribbon cutting event is currently scheduled for April 27.
 - Train service is anticipated to move to the new station in early May.
 - After the existing passenger station is removed, the final phase of track work will begin, including completion of the second station track, realignment of the freight main track, and installation of the switch between the second station track and the freight main track. All track work is anticipated to be complete by this Fall.
- P-4900 Pembroke Connection
 - This project connecting the CSX A-line to the SE-line is targeted for completion in March. CSX will turn-on the signals and power switches for the new 2.4-mile track at that time.
- M-0509 Capital Yard South Lead
 - Construction work continues on improvements to tracks connecting the NCDOT Rail Division Raleigh Capital Yard to the CSX main track. The project will construct a much needed second lead track for Piedmont trains departing and arriving Capital Yard, significantly reducing conflicts with CSX freight operations and streamlining overall railroad operations. Construction is anticipated to be complete in May.
- C-5600BA CSX "Dixie Storage" Project:
 - This project is located between Hamlet and Wilmington on the CSX SE Line and includes work to improve Queen City Express intermodal service between Wilmington and Charlotte. The project will improve main track capacity by installing power operated switches on two passing sidings and significant improvements to switching operations near Laurinburg. Rail Division will work with CSX to advertise and bid the project this summer with construction anticipated to starting in August.
- STI Project Scoring
 - The Rail Planning staff just completed and submitted the verification of project scopes and estimates to the SPOT office for the Statewide projects.
- Automated Train Counting Tool
 - Rail Planning has identified a need to develop an Automated Train Counting Tool to assist in freight data collection on rail corridors across NC. Rail Planning staff will meet with the State ITS and Signals Engineer to discuss available technology currently used by the ITS group and its applicability to counting freight trains. A research project to develop this Tool may be available through the local universities.



MULTI MODAL COMMITTEE RAIL DIVISION REPORT SUBMITTED BY: CHARLES EDWARDS

- FRA Grants
 - NC Ports has expressed interest in a project to expand their yard in Charlotte. NCDOT Rail Division staff will explore this project to see if it would be eligible for CMAQ or would be best suited for the FRA grants. Rail Division discussed potential projects/studies to consider with the CRISI funds. One such study may be a study to prioritize current Class I Branch lines for preservation in the event that multiple corridors are available.

BUDGET UPDATES (Provide budget reporting pertinent to respective mode)

- N/A

ANNOUNCEMENTS

(Share updates on announcements/upcoming events in respective mode)

NEW

UPCOMING

MEETINGS ATTENDED (List any key meetings attended this month)

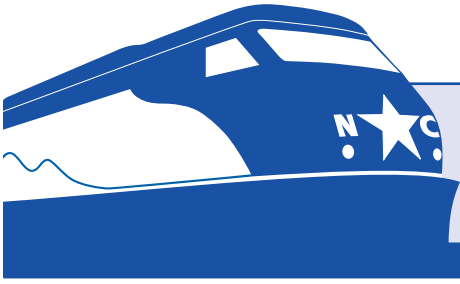
- Passenger Operating Committee (POC)
 - Rail Division representatives attended the first meeting of the Passenger Operating Committee (POC) in Charlotte on February 7, 2018. The POC is established by several agreements related to the Piedmont Improvement Program (PIP) and is the body responsible for providing oversight of passenger operations following the completion of PIP. The committee will meet quarterly from this point forward and per the agreements has members from Norfolk Southern, North Carolina Railroad and NCDOT with participation from Amtrak.
 - Major topics of discussion for this meeting included startup of next Piedmont round trip this Spring, removal of previously added construction schedule pad, and format for required monitoring of passenger train performance metrics.
- P-5717 Cornwallis Road Grade Separation in Durham
 - NCDOT Rail met with Research Triangle and IBM representatives on the Cornwallis Road grade separation project on February 7. The purpose of the meeting was to review initial alternatives for the project and receive feedback. All current alternatives impact an entrance to the IBM campus on Miami Blvd in RTP.
- P-5713 Hilltop Road Grade Separation - Greensboro
 - On February 2, NCDOT (Rail and Division 7 office), met with City of Greensboro representative to review alternatives for the proposed grade separation of Hilltop Road over the NCRR. After review of multiple alignments, alternatives to carry forward to a public meeting were identified. After the meeting the Division 7 office requested that an alternative be removed, and other alternatives be added. Additional coordination will be needed to reach agreement on alternatives to carry forward.

CLOSING THOUGHTS

- N/A



MULTI MODAL COMMITTEE
RAIL DIVISION REPORT
SUBMITTED BY: CHARLES EDWARDS



NCDOT Rail Division

The Rail Report



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April 2018

NCDOT Locomotive's Emission-Reduction Technology EPA Certified

North Carolina's air will be a bit cleaner starting this year now that the Environmental Protection Agency has certified a specialized emissions reduction system for one of the N.C. Department of Transportation Rail Division's passenger locomotives.

The system, known as a Blended After-Treatment System (BATS), uses catalytic reduction to chemically remove diesel engine emission pollutants from the locomotive's exhaust before it is released into the air. The technology was developed for use on passenger locomotives by California-based Rail Propulsion Systems.



NCDOT locomotive 1859 fitted with the Blended After-Treatment System (BATS) (Photo: Rail Propulsion Systems)

The NCDOT Rail Division has collaborated with RPS for the past two years to install and test the functionality of BATS. Specifically, it is designed to reduce four diesel exhaust pollutants: nitrogen oxides, carbon monoxide, hydrocarbons and particulate matter – all of which are identified by the EPA as causing chronic negative health effects such as heart and lung disease.

Charles Edwards, NCDOT Rail Division Acting Director, said NCDOT is the first rail agency in the country to successfully demonstrate the technology on an in-service passenger locomotive. "This is another positive step in our ongoing efforts to be a leader in helping reduce air-pollution levels across the state," Edwards said. "This very cost-effective, innovative technology will help ensure that North Carolina is a wonderful place to live and work in every day."

The EPA certification will enable the Rail Division to pursue state and federal grant opportunities to retrofit BATS onto its full fleet of locomotives, further reducing air pollution along the NCDOT Piedmont route between Raleigh and Charlotte.

Every county along the Piedmont rail corridor has high levels

of one or more types of air pollution, according to the EPA. By implementing the BATS, the Rail Division is working to improve air quality across the state, including in many of the major metropolitan areas which are particularly affected by air pollution.

Ian Stewart, CEO of Rail Propulsion Systems, said the BATS technology will make NCDOT one of the nation's cleanest rail agencies once it is fully retrofitted on the entire fleet.

"The BATS certification is the latest in a series of successes achieved through the collaboration between Rail Propulsion Systems, NCDOT and its engineering group, McDowell Engineers and Associates, and RailPlan mechanics and staff," Stewart said.

"This is a major milestone toward efforts to efficiently improve air quality, and North Carolina is leading the way."

April Railroad Trivia Question: See answer on page 4.

Which North Carolina Short Line chartered in June 1892 is known as "The Road of Personal Service?"



The LYNX Blue Line Extension Ribbon Cutting and Inaugural Ride

On February 26, a ribbon cutting was held at the UNC Charlotte - Main Station for the LYNX Blue Line Extension. The service runs between 7th Street Station in Center City, through NoDA (North Davidson) to the UNC Charlotte campus. Chief Deputy Secretary David Howard spoke on behalf of Governor Roy Cooper and NCDOT.

The new service, which began on March 16, adds 9.3 miles and 11 stops to the current route.

The Rail Division is involved in Charlotte's light rail system by providing state safety oversight of their operations.

NCDOT and the R.J. Corman Railroad Make Safety Improvements at Crossings

The R. J. Corman Railroad/Carolina Lines, NCDOT Division 6, and the NCDOT Rail Division worked together to improve a major highway crossing in Columbus County. The crossing is located on NC 410, Brown Street in Chadbourn. This is a very busy highway with considerable beach traffic during the summer. The crossing consisted of four tracks, all with deteriorated asphalt surfaces, which created a very rough ride for motorists passing through town. As a result of this improvement, R. J. Corman agreed to remove one of the tracks. The crossing surface in the mainline track was replaced with a concrete slab surface, and the two

remaining tracks were resurfaced with new asphalt and rubber rail seal. All of these improvements offer motorists a much smoother ride as they pass through Chadbourn.



Brown Street before improvements



Brown Street before improvements



Brown Street after improvements



Brown Street after improvements

26th Annual Train Host Meeting Held in Kannapolis



N.C. Train Host Association Volunteers

Each year on the first Saturday in March, volunteer train hosts gather from across the state for their Annual Meeting, held this year at the train station in Kannapolis. The hosts enjoy this time of fellowship and presentations from the NCDOT staff. Chief Deputy Secretary David Howard, Kannapolis Mayor Darrell Hinnant, and Acting Rail Division Director Charles Edwards all spoke to the group. Rail Deputy Director Allan Paul presented Rail Division updates, including recent photos of Raleigh Union Station.

New board members were elected, and outgoing board members were thanked for their service to the NCDOT and NC By Train passengers. Outgoing board members included Bob Warner-President, Virgil Hurley-VP of Station Operations, Randy Lindley-Treasurer, Russ Case-VP of Train Operations and Tom Lynch-Past President.

Newly elected officers are President Terry Britt, Vice President of Train Operations John Etheredge, VP of Station Operations Chip Hicks and Treasurer Don Welch.

Certificates were also given to the following members in honor of five, 10, 15 and 20 years of service. **20 Years:** Charles Harper, Virgil Hurley, Ramona Phelps, Robert Phelps. **15 Years:** Edwin Clifton. **10 Years:** Kelly Foster, Mildred Henderson. **Five-Years:** Tennie Barker, Mark Bergen, Monte Brown, Ronnie Finger, Rachael Geischen, Earnestine Goods, Cecil Greene, Kristina Nakagawa, Tim Nickens, Frank Pearce, Jean Saunders, Myra Spillman.



BeRailSafe's Roger Smock updated hosts on new safety initiatives dealing with pedestrian trespassers.



Amtrak managers in attendance included (l to r): Conductor Josh Reed, Raleigh Train Master Rick Wilson, Asst. Supt. Transportations Gary Israelson, and Road Forman Amy Sine



Customer Service Agent Tim McHugh introduced hosts to the new CEO of Amtrak and updated them on transit passes and events.



Chief Deputy Secretary David Howard thanked the Train Hosts for their service to the State of North Carolina.



Acting Rail Division Director Charles Edwards thanked the hosts for their volunteer work.



New President Terry Britt presents outgoing President Bob Warner with Certificate of Appreciation



Rail Deputy Director Allan Paul gives the "State of the Rail Address" and a photographic tour of the Raleigh Union Station, which will be opening in May.

Jack Moore Retired Feb. 28 with 22 Years Service to the NCDOT Rail Division



Jack is presented the Order of the Long Leaf Pine by Engineering Coordination and Safety Manager Jahmal Pullen. He also received the Golden Spike, awarded to Rail Division employees who retire with ten-plus years service to the division.

When Jack Moore joined the Rail Division as Safety Inspector, he brought to the job a wealth of rail safety knowledge and experience regarding state and federal railroad regulations. During his tenure, Jack made many contributions to the rail safety industry at both the state and national level, and helped the FRA implement new policies, procedures and enforcement methods. He was frequently called on to communicate on status and issues concerning safety to local, state and federal officials, as well as the FRA, FTA, NTSB, Homeland Security, NC Department of Emergency Management and local law enforcement agencies. Jack also played an important role in providing guidance and oversight concerning track safety for the CATS light rail system in Charlotte. He will be missed by his coworkers and colleagues in the rail industry. We wish him the best in retirement.

April Railroad Trivia Answer: The Aberdeen and Rockfish Railroad. Serving the Sandhills area of South Central North Carolina, the A & R is one of the oldest continuously operated and privately owned short line railroads in the United States.


Annual Visit NC 365 Conference held in Winston-Salem

On March 4-6, Rail Operations Customer Service Staff members Alison Boswell and Tim McHugh attended the Visit NC 365 Conference, which is the state's premier travel industry event. More than 500 of the state's tourism industry leaders attend the conference to catch up on the latest trends and issues facing the travel industry, hear insights from industry experts and network with other travel and tourism professionals.

During the *Visit North Carolina Update: Going Forward* seminar, a shout out was given to the Raleigh Union Station project, which is near completion, and the Charlotte Gateway Station project. NCDOT was credited with being a good ally for the tourism industry.



Ridership & Revenue on NC By Train Service – Jan. 2018 vs. 2017

|  | RIDERSHIP | | | REVENUE | | |
|--|-----------|--------|-------|----------|----------|-------|
| | 2018 | 2017 | % +/- | 2018 | 2017 | % +/- |
| <i>Piedmont</i> | 10,453 | 10,215 | 2% | \$55,904 | \$52,376 | 7% |
| <i>Carolinian</i> | 18,006 | 18,617 | -3% | \$90,803 | \$90,469 | 0.4% |

875



Hours Volunteered by N.C. Train Hosts in January, supporting NC By Train onboard and at events

January 2018 service modifications affected three *Piedmont* trains. On Jan. 18, trains 73 and 74 were cancelled entirely due to snow and ice from Winter Storm Inga. On Jan. 30, train 74 was cancelled between Durham and Raleigh due to a vehicle strike at a railroad crossing; alternate transportation was provided for passengers. Average gasoline prices remained low in Jan. 2018 but were 16¢ a gallon higher than in Jan. 2017.

Raleigh Union Station Update



East view of station and track work



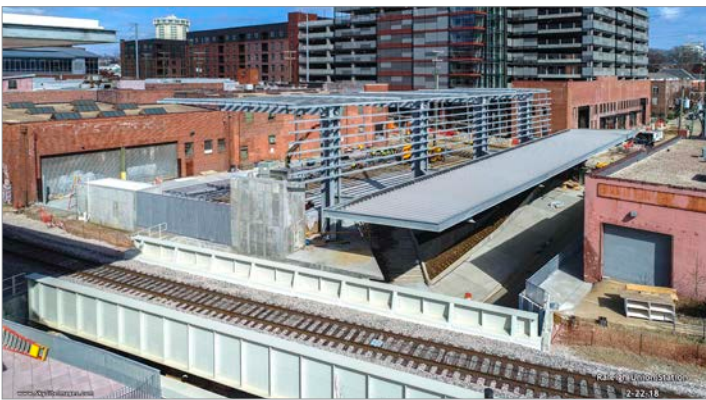
Passenger drop off area to right of station



Emergency refuge area and pollinator garden



Center island platform and canopy



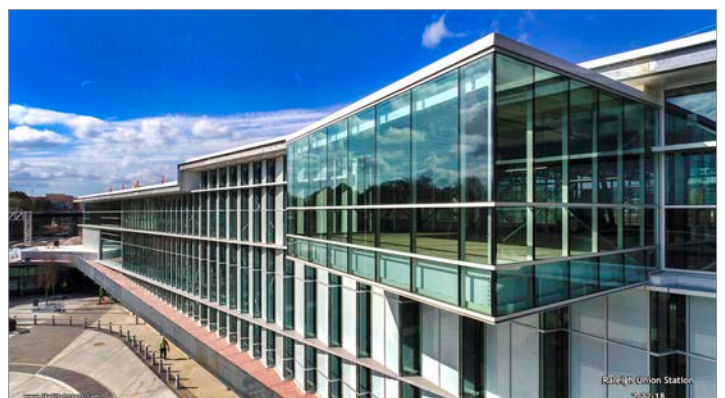
View of new Martin Street railroad bridge



Plaza and sidewalk canopies



Third floor exterior plaza



Southeast elevation

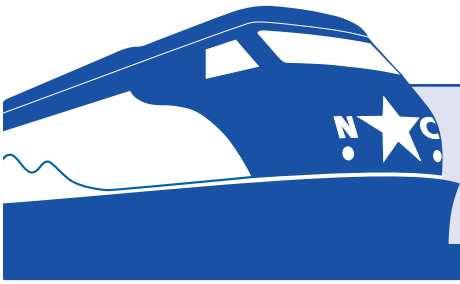
Charlotte Locomotive and Railcar Maintenance Facility–March 2018



New Charlotte Yard view south to administration building and layover tracks



Charlotte Yard looking west



NCDOT Rail Division

The Rail Report



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March 2018

Track work for Raleigh Union Station Nearing Completion

Railroad construction work is rapidly progressing in anticipation of the grand opening of Raleigh Union Station this Spring. Work has been completed on tracks on the east and west side of the station, including new bridges over the pedestrian and vehicle access to the station campus. Construction is nearly complete on the complicated set of switches to the west of the station known as "Boylan."

Meanwhile, work on the north station track is underway and will be complete in March, along with major work to switches and

signals in the area of Cabarrus Street. In early March, Norfolk Southern crews plan to "turn on" the new signals at this location, allowing train set testing to begin on the north station track.

When Raleigh Union Station opens for service in May 2018, the existing passenger station will be torn down, making way for the final phase of track construction. This includes completion of the second station track, realignment of the freight main track, and installation of a switch to connect the two. All railroad construction work is anticipated to be complete by late summer.



Construction of two new dedicated station tracks (middle tracks)

Will Allen photo



New track work at Boylan looking west from Boylan Bridge

Will Allen photo



Dedicated station tracks under construction just east of Boylan Bridge

March Trivia Questions:

What is the highest FRA track classification found in North Carolina? What are the maximum operating speed for freight and passenger trains on those tracks?

See answer on page 3.

Southeast Regional Rail Plan and the Virginia-North Carolina Interstate High Speed Rail Compact



The Federal Railroad Administration is leading the preparation of a regional rail plan for the southeast. The District of Columbia, Virginia, North Carolina, South Carolina, Georgia, Florida, and Tennessee are all participating in the study which is anticipated to be completed this spring. The purpose of the study is to use a travel/market demand model for population centers over 40,000 people to identify a system of high-performance passenger rail corridors in the Southeast, and, to an extent, prioritize those corridors. In theory, the regional rail plan will help the Southeast communicate its needs with a more unified voice to help position these states for future federal funding.



Though the scope is primarily to identify passenger needs, the majority of the states included in the study group have expressed a desire for the movement of freight to be considered. The study is also including a governance discussion. Within those discussions, states have expressed a desire to start with a more informal governance model that can evolve to a more formal structure like a Compact, similar to the existing Virginia-North Carolina Interstate High Speed Rail

Compact, or a Commission. The stakeholders also discussed an item included in House Report 114-606 that states, "The Committee's recommendation includes \$1,000,000 to stand up the Southeast Corridor Rail Commission. The Commission will develop a regional rail plan and improve mutual cooperation and planning between states and stakeholders."

Additional information on the Southeast Regional Rail Plan effort is available at southeastrailplan.org.

The existing Virginia-North Carolina Interstate High Speed Rail Compact met on November 29, 2017. The Compact continued to express its support for the addition of other southeastern states when they are ready to join. In addition, the Compact decided to ask the Federal Railroad Administration to grant the \$1,000,000 associated with the Southeast Rail Commission noted previously to NCDOT to administer. The formal grant process has not yet been completed, and the grant will have to be fully scoped. However, it is anticipated that scope items may include options to explore governance structures, establish a process for adding members, developing guiding principles and bylaws for the expanded group, and updating economic impact and benefit-cost information for the Southeast Corridor .

RJ Corman Continues to Invest in Columbus County

RJ Corman Carolina Lines continues to make significant investment into their rail line in Columbus County. In January 2018, RJ Corman began rehabilitation on the rail line from Chadbourn to the former Georgia Pacific site, which was purchased by Columbus County in 2016. This will allow for the reactivation of rail service to the site and enhance economic development in the region.

"In our efforts to bring jobs to Columbus County, we could not ask for a better partner than the RJ Corman Carolina Lines. They have worked non-stop to restore service and improve the tracks from Fair Bluff to Chadbourn and on to Tabor City. They have now begun work on another key economic development corridor – the tracks from Chadbourn to the former Georgia-Pacific site and the Southeast Regional Park. As one of the premier industrial areas in Columbus County, restoring rail service to the GP site and the SERP will be a game changer for job creation!" said Gary Lanier, Director of Columbus County Economic Development Commission & Columbus County Planning Department.


Before reactivation is possible, the line needs significant work. This \$7.38M project will replace numerous cross ties and sections of rail, as well as crossing surfaces and antiquated signal warning systems, improving safety for trains and motorists alike.



Preconstruction Site Review



Ridership & Revenue on NC By Train Service – Dec. 2017 vs. 2016

|  | RIDERSHIP | | | REVENUE | | |
|--|-----------|--------|-------|-------------|-------------|-------|
| | 2017 | 2016 | % +/- | 2017 | 2016 | % +/- |
| <i>Piedmont</i> | 15,813 | 14,549 | 9% | \$356,698 | \$312,354 | 14% |
| <i>Carolinian</i> | 24,857 | 24,940 | -0.3% | \$1,705,018 | \$1,673,680 | 2% |

881



Hours Volunteered by N.C. Train Hosts in December, supporting NC By Train onboard and at events

December 2017 service modifications affected one *Piedmont* and one *Carolinian* train. On December 19, Train 76 operated between Charlotte and Salisbury only and Train 79 operated between New York and Greensboro only due to a building fire adjacent to the tracks burning too hot for safe train operations through the area; alternate transportation was provided for passengers. Average gasoline prices remained low in Dec. 2017 but were \$0.15 per gallon higher than in Dec. 2016.



NC Volunteer Train Hosts

If you've ever ridden the train between Charlotte and Rocky Mount, there's a good chance you met one of the on board train hosts.

More than 100 volunteer hosts across the state serve as North Carolina's goodwill ambassadors. They help passengers with travel questions and other information while at the station and on board the train, helping ensure each traveler's ride is smooth and enjoyable. Started in 1993, North Carolina's program was the first of its kind nationwide and has served as a model for other passenger rail systems.

Last year, this volunteer group donated nearly 11,000 hours of their time to being a friendly and helpful face to those traveling within our state. To learn more about becoming a North Carolina volunteer train host, visit ncbytrain.org.

During January, the NC Volunteer Train Host program and several hosts were featured in newspaper articles. Follow the links below to read the articles:

Greensboro News & Record, January 5, 2018

[N.C. volunteer group pioneers on the railroad](#)

Rocky Mount TELEGRAM, January 26, 2018

[Train hosts inform, engage passengers](#)

January Snowfall Did Not Stop the Trains

On Wednesday, January 17, stops along the NC By Train route between Raleigh and Charlotte experienced snowfall ranging from several inches to a foot. All Amtrak long-distance trains continued to operate during the weather event, and only two *Piedmont* trains, #73 and #74, were cancelled on the following Thursday morning to encourage passengers to delay driving until early morning icy road conditions improved.

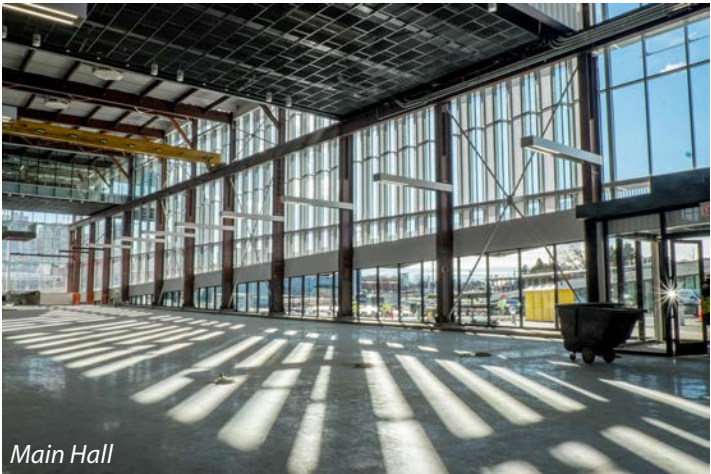
NCDOT would like to extend a special thank you to NCDOT station attendants and Amtrak agents who worked so hard shoveling snow from station entrances, sidewalks and platforms, and clearing parking lots to ensure the safety of the passengers.



Snow from the January 17 storm coats the underside of a *Piedmont* coach.

March Railroad Trivia Answer: Class 4 track is currently the highest FRA track classification found in NC. The maximum allowable Class 4 speed for freight trains is 60mph, and the maximum allowable Class 4 speed for passenger trains is 80mph. There are four track classes found in NC: Class 1 = 10mph frt. & 15mph pass.; Class 2 = 25mph frt. & 30mph pass.; Class 3 = 40mph frt. & 60mph pass.; and Class 4.

Raleigh Union Station Update





ROAD/BRIDGE/FERRY NAMING COMMITTEE AGENDA

BOARD OF TRANSPORTATION
APRIL 4, 2018

TIME: 10:30-11:30 AM

LOCATION: Room 160

| TOPIC | PRESENTER | TIME |
|--|-----------------|----------|
| Call to Order Roll Call Declaration of Quorum Approval of January 2018 Road/Bridge/Ferry Naming Committee Meeting Minutes | Mike Fox, Chair | 10:30 AM |
| Review of Submitted Applications | Dom Ciaramitaro | 10:35 AM |
| Lieutenant Commander R. Geddie Herring – NC 24 Bypass from SR1404 (Dowdy Road) to NC 24 near Little Coharie Creek, Sampson County (Zimmer) | Dom Ciaramitaro | 10:36 AM |
| Herb Thomas – NC 87 from Harnett / Lee County line to SR2196 (Bullard Road), Harnett County (Hutchens) | Dom Ciaramitaro | 10:40 AM |
| Senator Betsy Cochrane - I40 from Davie/Forsyth County line to SR1441 (Rainbow Road), Davie County (Wells) | Dom Ciaramitaro | 10:45 AM |
| Ocracoke Express and Rodanthe Ferry Namings, Dare County (Moran) | Dom Ciaramitaro | 10:50 AM |
| St Augustine Men's Track and Field Championship (Outdoor), Division II (Jordan) | Dom Ciaramitaro | 10:55 AM |
| Update to National Championship Policy | Dom Ciaramitaro | 11:00 AM |
| Policy on Municipal Emergency Responders and Law Enforcement Honorary Designations | Mike Fox, Chair | 11:15 AM |
| Adjourn | All | 11:30 AM |