

# I N D E X

## BOARD OF TRANSPORTATION MEETING

November 5, 2020

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## **BOARD OF TRANSPORTATION MEETING**

**November 4-5, 2020**

As part of the Act to Provide Aid to North Carolinians In Response to Coronavirus Disease 2019 (COVID-19) Crisis, (S.L. 2020-3, SB 704) the General Assembly enacted modifications to the laws governing public bodies. The provisions are in Section 4.31 of the Act.

The November 4-5, 2020 meeting was held via Microsoft Teams for all members of the Board. The November 4-5, 2020 meeting is considered a remote meeting and was held in such way due to the restrictions in place pertaining to the COVID-19 pandemic. The board meeting was conducted using simultaneous communication and based on the new law (General Statute §166A-19.24), the meeting followed the parameters set out for remote meetings. Actions executed during the November 4-5, 2020 Board of Transportation meeting included:

- implementing a roll call voting system for all actions
- ensuring that the meeting minutes of the remote meeting reflect that the meeting was conducted by use of simultaneous communication, denoting the name of members participating by simultaneous communication, and recording when members join or leave the remote meeting

All members of the Board were reminded that all chats, instant messages, texts, or other written communications between members of the Board regarding the transaction of the public business during this remote meeting are deemed a public record. As always, the meeting was properly noticed, and conference call lines (Wednesday) and livestream (Thursday) was provided for members of the public to access the meetings.

### **Wednesday November 4, 2020**

**All committee reports are located at the end of this document.**

Members of the Audit Committee attended the meeting beginning at 9:30am. Topics included an Office of the Inspector General (OIG) Activity Report provided by Mary Morton, the Department's Inspector General and discussion of the approval FY21 Audit Plan.

Members of the Workforce Committee attended their meeting at 10:00am. Topics included a committee overview presentation and future updates. A committee overview is located at the end of this document.

Members of the Highway and Committee convened at 10:45am. Topics included a presentation on Autonomous Vehicles and there impacts on vehicle miles traveled. A committee overview is located at the end of this document.

Members of the Multi-Modal Committee convened at 10:45am. Topics included Multi-Modal updates, Funding items, CARES Act Implementation NC Transit Cares, and COVID-19 impacts on Rural Transit in NC. A committee overview is located at the end of this document.

The full board (all members) attended the 1:00pm work session where Burt Tasaico, Director of Strategic Initiatives & Program Support, presented the Department's Revenue and August Redistribution Update. Stephanie King, Chief Financial Officer, presented an overview of the Spend Plan Policy. Additionally, Ms. King shared that the Department and the Office of State Budget Management collaboratively looked at revenue forecasts and determined additional capacity is projected through the end of the fiscal year. She stated that a request in the form of an amendment to the 10/8/20 approved spend plan is anticipated to come forward to the Board at their meeting in December. She shared that the Finance Committee will be looking closely at the Spend Plan in its committee meeting today.

After the work session, members of the Finance Committee, Economic Development and Intergovernmental Relations (EDIR) Committee and members of the Road Naming Committee attended their respective committees.

## **Thursday November 5, 2020 Official Board Meeting**

### **Call to Order**

Chairman Fox called the meeting of the Board of Transportation to order at 9:01 a.m. on Thursday, November 5, 2020, in Raleigh, North Carolina with the following members present via conference call: Chairman Fox, Vice-Chair Perkins, Moran, Overholt, Zimmer, Mitchell, Jordan, Hunt, Mathis, Lathrop, Rosenburgh, Tarleton, Lail, Wells, Clarke, McGrady and Cody were present.

Board Member Taft joined the call after the call of order.

Board Member Tillman was absent.

### **Ethics Statement**

Chairman Fox read the Ethics Statement advising all members of the Board that may have any conflict of interest, or appearance of conflict, to refrain from participation in that particular item and to file the proper paperwork with the Secretary to the Board of Transportation.

Chairman Fox shared “In accordance with the State Government Ethics Act, Executive Order No. 2 issued on January 12, 2009, and N. C. G. S. §143B-350, it is the duty of every Board member to avoid both conflicts of interest and appearances of conflict. “To comply with this statement and the State Ethics Law, I ask whether any Board member has a known conflict of interest or appearance of conflict with respect to any matters coming before the Board today.”

“If so, please identify the conflict or appearance of conflict when the item appears on the agenda for consideration, refrain from any undue participation in the particular matter involved and sign before our notary the Declaration that has been provided to you for such purpose.”

### **Approval – October 7-8, 2020 Meeting Minutes**

Chairman Fox stated that the meeting minutes were distributed for review prior to the meeting. Chairman Fox stated if there are no additions or corrections, he would accept a motion to approve the October 7-8, 2020 meeting minutes of the Board of Transportation. A motion was made by Board Member Tarleton and a second by Board Member McGrady.

Chairman Fox shared that he will now conduct a roll call for the vote on the action item. He explained to members that he will call each board member by name, he stated when you hear your name please respond to the action item up for consideration by saying either yes (or “aye”) if you approve or no if you are opposed to the item.

Chairman Fox, Vice-Chair Perkins, Moran, Taft, Overholt, Zimmer, Mitchell, Jordan, Hunt, Mathis, Lathrop, Rosenburgh, Tarleton, Lail, Wells, Clarke, McGrady and Cody all stated yes or aye on the motion.

Chairman Fox stated the motion passed.

## **Secretary Remarks**

Secretary Boyette welcomed members of the Board, staff, and those listening to the livestream. He also thanked staff for their hard work during these challenging times.

## **Cash Balance**

Secretary Boyette shared details on the Department's Cash Balance. He mentioned the Department continues to be healthy. He mentioned the Department has been able to open bids on resurfacing and pavement preservation contracts for work to be performed in Spring of 2021. Divisions have started back on litter pickup and string trimming guardrail along the interstates' four-lanes. Secretary Boyette reminded members as of last month the approval of the Department's cash spend plan, we will continue to adjust as needed and approach the Board for approval as needed.

## **Tropical Storm Zeta**

Secretary Boyette shared Tropical Storm Zeta moved across North Carolina. He mentioned the Department having a strong cash balance continues to prove why we are conservative; we must remain prepared for the unknown.

## **BUILD NC**

Secretary Boyette shared an update on the Build NC Bonds. He mentioned last month the Council of State voted to initiate the sale of the second and third wave of Build NC Bonds, worth \$700 million. The sale is anticipated to take place sometime in November. He stated these Bonds are part of a \$3 billion transportation package the legislature approved in 2018. The first sale was \$300 million in 2019. This will ensure our active projects are continuing and completed.

## **NC Ports**

Secretary Boyette shared updates on the Port of Wilmington making history. He mentioned the Yang Ming (YM) Warranty set a new record for the largest vessel to call the Port of Wilmington on Oct. 26, 2020. The vessel is 1,202 feet long (4 football fields) and 168 feet wide with capacity of 14,220 TEUs. (TEU = twenty-foot equivalent units). Over 1,600 containers discharged and loaded during the port call. He mentioned this validates recent investments our

Department has made in our port infrastructure. The turning basin expansion and raising of Duke power lines were key to allowing the vessel of this size call the Port of Wilmington. He shared this would not have been possible without state leaders and the Ports Board's strong support for these investments.

### **BEYOND Drone Program**

Secretary Boyette shared updates on the Drone Program with the Board. He mentioned the Federal Aviation Administration (FAA) announced last week that the Department will participate in its new drone program called, BEYOND. This will replace the 3-year Integration Pilot Program that ended in October this year. Drones are becoming more and more important to our transportation system. Through BEYOND, the Department can continue to improve on groundbreaking achievements from the IPP program:

- Post-hurricane road condition recon
- Commercial delivery service
- Medical supply delivery
- First public demonstration of passenger drone in North America

Secretary Boyette shared more than half of all nationwide flights under the IPP were flown by the North Carolina team. He mentioned he was glad to see us leading the way in the use of this technology through these national programs.

### **Wake Tech DMV help**

Secretary Boyette acknowledged the partnership with Wake Tech Community College and the Division of Motor Vehicles (DMV). He shared since August, students enrolled at Wake Tech have conducted temperature checks/COVID-19 screenings of the nearly 200 employees at the Raleigh office. With the help of the students, this kept DMV employees safe and provides students valuable experience and important credits needed to graduate.

### **NC Moves 2050 Survey**

Secretary Boyette shared updates on the state's long-range transportation plan. He mentioned the NC Moves 2050 team has developed draft recommendations for the plan. Now is the final opportunity for the public to weigh in. He reminded those on the call to take the survey on proposed actions for the plan at [www.ncmoves.gov](http://www.ncmoves.gov)

### **Booze It & Lose It**

Secretary Boyette shared the Governor's Highway Safety Program (GHSP recently wrapped up its Halloween Booze It & Lose It campaign last month. Local and state law enforcement increased patrol and presence. These campaigns are intended to discourage impaired driving. He mentioned the Department's message does not stop when the campaigns do. If you plan to drink, plan ahead, designate sober driver or arrange for ride service. If you know someone is impaired, do not let them drive.

### **DMV – License and Theft**

Secretary Boyette shared news on District 6 (Mecklenburg) was able to successfully raise a VIN on a 1967 VW Beetle by utilizing the acid kits.

### **Clement Bridge Email**

Secretary Boyette shared a special email with the Board he received last month. He mentioned the email came from Dee Jones, Executive Director of the NC State Health Plan. It read, *"I had the privilege of attending a bridge naming ceremony this past Friday in Gold Hill, N.C. at Morgan Elementary School. The event was emceed by Mr. Andrew Perkins of the N.C. Board of Transportation. The event was simple but meaningful. Supportive remarks were made by Mr. Perkins, Rowan County Commissioner Mike Caskey and State Senator Carl Ford. The wife and son of the deceased law enforcement officer spoke from the heart about the officer, what he was like as a man and his commitment to public service. When the sign was unveiled, I felt a lump in my throat. It was beautiful. When the ceremony ended, I drove to the new bridge and saw the official sign in place. I was very proud. You see that police officer was my brother, the late Robert Y. Clement, formerly of the Spencer Police Department. He was shot in the line of duty in October of 1997. He died June 3, 1999. I want to thank you, the Department, and the Board for paying tribute to such a deserving law enforcement officer. You may not always know or have a connection to those who are honored by your Department, so I wanted to let you know how grateful our family is that Robert was recognized in this manner."*

### **Retirement of Chief Tim Little**

Secretary Boyette shared Chief Tim Little would be retiring at the end of the month. He mentioned Tim has been a great asset to the Department and always had the Department's best interest at heart. Secretary Boyette shared that he has know Tim for longer than just their professional careers. They have always tease each other about getting out of line and reporting back to their mothers. He mentioned Tim really loves giving updates during disasters at the



State Emergency Operations Center (EOC). Secretary Boyette stated he wish Tim the best in his next chapter and wanted to personally thank him on behalf of the state and our citizens for his leadership and dedication.

### **DELEGATED AUTHORITY ITEMS**

Chairman Fox stated that items C, D, H, and L are delegated to the Secretary and require no formal action by the Board. There was not an item E on the agenda this month.

**Item C:** All projects were awarded by the Secretary to the low bidder.

### **Product Evaluation Program Awareness**

Chairman Fox noted that copies of this month's Product Evaluation Program Awareness update were provided to members of the Board for review and posted on the Board's website.

### **ACTION**

#### **Spend Plan Policy**

Chairman Fox stated to members that the Spend Plan Policy was provided to them for review prior to the meeting. Additionally, Stephanie King, our CFO, provided an overview of the Spend Plan Policy in the Finance Committee and full board work session yesterday.

Chairman Fox stated if there are no additions or corrections, that he would accept a motion that the Spend Plan Policy be approved as submitted. A motion was made by Board Member Lathrop and seconded by Board Member Rosenburgh.

Chairman Fox shared that he will now conduct a roll call for the vote on the action item. He explained to members that he will call each board member by name, he stated when you hear your name please respond to the action item up for consideration by saying either yes (or "aye") if you approve or no if you are opposed to the item.

Chairman Fox, Vice-Chair Perkins, Moran, Taft, Overholt, Zimmer, Mitchell, Jordan, Hunt, Mathis, Lathrop, Rosenburgh, Tarleton, Lail, Wells, Clarke, McGrady and Cody all stated yes or aye on the motion.

Chairman Fox stated the motion passed.

### **Approval of Projects**

Chairman Fox asked members of the Board to announce any recusals to the action items within the presented project items. Recusals made by members of the Board on project items are noted below.

Chairman Fox invited a motion to approve the project items as presented.

A motion was made by Board Member Tarleton and seconded by Board Member Clarke to approve all projects for items G, I, K, M, N, O, P, and R. (excluding items C, D, H, and L as they are delegated authority items and require no formal board action).

Chairman Fox shared that he would conduct a roll call vote for the vote action item under consideration. He stated when I say your name, please say either yes or “aye” to indicate yes or if opposed, please say “no”.

Chairman Fox, Vice-Chair Perkins, Moran, Taft, Overholt, Zimmer, Mitchell, Jordan, Hunt, Mathis, Lathrop, Rosenburgh, Tarleton, Lail, Wells, Clarke, and Cody all stated yes or aye on the motion.

Chairman Fox stated the motion passed.

Board Member Wells recused himself from voting on the following project:

- Item N-Project - EB-5937, Catawba Co; HICKORY, BOOK WALK. CONSTRUCT MULTI-USE PATH FROM CITY WALK TO RIDGEVIEW LIBRARY. TO ASSIST IN BALANCING FUNDS, DELAY RIGHT-OFWAY FROM FY 20 TO FY 21. ACCELERATE CONSTRUCTION FROM FY 22 TO FY 21 AT THE REQUEST OF MPO.

Board Member Zimmer recused himself from voting on the following projects:

- Item K
- Item N

Board Member Lathrop recused himself from voting on the following projects:

- Item O – Project 36249.4219 9513, Bainbridge Acquisitions III, LLC, Wake County; This Project consists of a signal upgrade on NC 54/SR 3073 (NW Maynard Road) at NC 54 /SR 3081 (Chapel Hill Boulevard). The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% of the cost of the work. The estimated reimbursement is \$5,000.
- Item O -- Project 44829.9522, UNC Charlotte Mecklenburg County; This Project consists of improvements on John Kirk Drive from University Boulevard (NC 49) to East Mallard Creek Church Road (SR 5394). This supplemental agreement is to extend the completion date of the project and modify the funding provision. UNC Charlotte shall complete the project by December 31, 2022.
- Item R – Project R-2224, Parcel 033A & 033B, NC 209, Haywood County; Conveyance of an approximate 1.130-acre area comprised of two (2) landlocked B-class residue, having a value of \$2,000 to James Thompson for the highest bid amount of \$7,600; total commission N/A BUYERS PREMIUM.

# **NCDOT Board of Transportation Agenda**

## **ITEM C**

**October 20, 2020**

**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.  
OCTOBER 20, 2020  
DIVISION 00003

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C204409

2021CPT.03.02.10101, 2021CPT.03.02.20101, 2021CPT.03.02.20102

STATE FUNDED

BRUNSWICK

PROPOSAL LENGTH 33.600 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

LOCATION 1 SECTION OF US-17, US-74/76, AND NC-130; AND 11 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2021..25% OF BID  
FY-2022..66% OF BID  
FY-2023..09% OF BID

RPN 001 3 BIDDER(S) DBE GOAL 8.00 %  
ESTIMATE 7,944,286.69

DATE AVAILABLE MAR 15 2021

FINAL COMPLETION OCT 01 2022

	\$ TOTALS	% DIFF
S T WOOTEN CORPORATION WILSON, NC	5,611,516.59	-29.4
BARNHILL CONTRACTING CO ROCKY MOUNT, NC	6,071,587.85	-23.6
HIGHLAND PAVING CO LLC FAYETTEVILLE, NC	6,095,837.90	-23.3

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**AWARDED**

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
OCTOBER 20, 2020  
DIVISION 00005

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C204520

2021CPT.05.01.10321.1, 2021CPT.05.01.20321.1, 2021CPT.05.01.20322.1

STATE FUNDED

DURHAM

PROPOSAL LENGTH 17.680 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER GRADING.

LOCATION 1 SECTION OF US-501, 1 SECTION OF US-501 BUSINESS, AND 32 SECTIONS OF  
SECONDARY ROADS.

EST CONST PROGRESS.... FY-2021..29% OF BID  
FY-2022..71% OF BID

RPN 002 4 BIDDER(S) DBE GOAL 7.00 %  
ESTIMATE 5,296,749.87

DATE AVAILABLE MAR 15 2021

INTER COMPLETION AUG 19 2021 COMPLETE ALL WORK REQUIRED ON MAPS #3 & #4.

FINAL COMPLETION JUL 01 2022

	\$ TOTALS	% DIFF
CAROLINA SUNROCK LLC RALEIGH, NC	3,513,381.26	-33.7
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	4,049,462.80	-23.5
BLYTHE CONSTRUCTION INC CHARLOTTE, NC	4,697,150.90	-11.3
BARNHILL CONTRACTING CO ROCKY MOUNT, NC	4,779,382.16	-9.8

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**AWARDED**

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
OCTOBER 20, 2020  
DIVISION 00005

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C204510  
2021CPT.05.02.20921.1  
STATE FUNDED  
WAKE

PROPOSAL LENGTH 11.639 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER GRADING.

LOCATION 14 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2021..29% OF BID  
FY-2022..71% OF BID

RPN 003 5 BIDDER(S) DBE GOAL 7.00 %  
ESTIMATE 4,779,967.42

DATE AVAILABLE MAR 15 2021  
INTER COMPLETION AUG 23 2021 COMPLETE ALL WORK REQUIRED ON MAP #11  
FINAL COMPLETION JUL 01 2022

	\$ TOTALS	% DIFF
CAROLINA SUNROCK LLC RALEIGH, NC	3,042,295.16	-36.4
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	3,372,265.22	-29.5
S T WOOTEN CORPORATION WILSON, NC	3,488,062.02	-27.0
BLYTHE CONSTRUCTION INC CHARLOTTE, NC	3,796,112.15	-20.6
BARNHILL CONTRACTING CO ROCKY MOUNT, NC	4,237,942.95	-11.3

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**AWARDED**

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
OCTOBER 20, 2020  
DIVISION 00005

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C204525  
2021CPT.05.03.20921.1  
STATE FUNDED  
WAKE

PROPOSAL LENGTH 30.378 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER GRADING.

LOCATION 78 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2021..29% OF BID  
FY-2022..71% OF BID

RPN 004 4 BIDDER(S) DBE GOAL 7.00 %  
ESTIMATE 5,587,327.05

DATE AVAILABLE MAR 15 2021

INTER COMPLETION NOV 30 2021 COMPLETE ALL WORK REQUIRED FOR MAPS #47 THRU #49, #54 & #55

FINAL COMPLETION JUL 01 2022

	\$ TOTALS	% DIFF
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	4,109,805.98	-26.4
S T WOOTEN CORPORATION WILSON, NC	4,219,971.17	-24.5
BLYTHE CONSTRUCTION INC CHARLOTTE, NC	4,398,768.95	-21.3
BARNHILL CONTRACTING CO ROCKY MOUNT, NC	4,865,562.90	-12.9

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**AWARDED**



HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
OCTOBER 20, 2020  
DIVISION 00005

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C204559  
2021CPT.05.05.20351.1  
STATE FUNDED  
FRANKLIN

PROPOSAL LENGTH 29.680 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER GRADING.

LOCATION 30 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2021..29% OF BID  
FY-2022..71% OF BID

RPN 005 4 BIDDER(S) DBE GOAL 8.00 %  
ESTIMATE 4,109,314.84

DATE AVAILABLE MAR 15 2021

FINAL COMPLETION JUL 01 2022

	\$ TOTALS	% DIFF
CAROLINA SUNROCK LLC RALEIGH, NC	2,844,573.64	-30.8
S T WOOTEN CORPORATION WILSON, NC	2,950,707.85	-28.2
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	2,989,041.52	-27.3
ROSE BROTHERS PAVING CO INC AHOSKIE, NC	3,744,175.17	-8.9

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**AWARDED**

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
OCTOBER 20, 2020  
DIVISION 00005

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C204560

2021CPT.05.06.10911.1, 2021CPT.05.06.20911.1, 2021CPT.05.06.20931.1

STATE FUNDED

VANCE, WARREN

PROPOSAL LENGTH 29.366 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER GRADING.

LOCATION 1 SECTION OF NC-39 AND 41 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2021..29% OF BID  
FY-2022..71% OF BID

RPN 006 3 BIDDER(S) DBE GOAL 8.00 %  
ESTIMATE 5,307,112.47

DATE AVAILABLE MAR 15 2021

FINAL COMPLETION JUL 01 2022

	\$ TOTALS	% DIFF
CAROLINA SUNROCK LLC RALEIGH, NC	3,769,258.02	-29.0
S T WOOTEN CORPORATION WILSON, NC	4,178,858.61	-21.3
ROSE BROTHERS PAVING CO INC AHOSKIE, NC	5,656,170.84	+6.6

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**AWARDED**

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
OCTOBER 20, 2020  
DIVISION 00007

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C204465  
2020CPT.07.11.10411  
STATE FUNDED  
GUILFORD

PROPOSAL LENGTH 3.957 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER GRADING.

LOCATION 1 SECTION OF US-29 AND 21 SECTIONS OF RAMPS AND LOOPS FOR US-29.

EST CONST PROGRESS.... FY-2021..26% OF BID  
FY-2022..74% OF BID

RPN 007 3 BIDDER(S) DBE GOAL 8.00 %  
ESTIMATE 5,598,234.00

DATE AVAILABLE APR 01 2021

INTER COMPLETION OCT 31 2021 COMPLETE ALL WORK REQUIRED OF PLACING S9.5C & S9.5D

FINAL COMPLETION JUL 01 2022

	\$ TOTALS	% DIFF
BLYTHE CONSTRUCTION INC CHARLOTTE, NC	3,884,488.85	-30.6
APAC - ATLANTIC INC THOMPSON ARTHUR DIVISION GREENSBORO, NC	3,942,480.98	-29.6
SHARPE BROTHERS A DIVISION OF VECELLIO & GROGAN INC GREENSBOR	4,020,813.18	-28.2

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ESTIMATE TOTAL	38,622,992.34	
LETTING TOTAL	26,775,319.50	-30.7

**AWARDED**

**NCDOT NOVEMBER 2020  
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 Operating Officer**

**Information Technology**

**Geographic Information Systems (GIS) 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.

<b>STATEWIDE</b>	
Description of work:	2015 GIS Support for Transportation Legislative Initiatives
Firm:	Arcadis G&M of North Carolina, Inc., Chicago, IL
Original Engineering Fee:	\$250,000.00
Previous Supplemental Fee:	\$1,150,000.00
Supplemental Fee:	One-Year Time Extension ONLY.
SPSF Utilization:	0%

**Chief Engineer**

**Deputy Chief Engineer**

**Field Support**

**Design-Build**

The Secretary awarded a design-build contract in September 2019 for the U-5713/R-5777A&B James City US 70 project (U.S. 70 from the eastern approach of the Neuse River Bridge to Thurman Road). In accordance with the policies and procedures adopted by the Board, a design-build team who was not awarded the project can request payment of a stipend to recover part of the expense of preparation of their proposal. We have received a request for payment of the stipend to the following firms. These are for information only.

**Division 2**

Project:	50111.3.1 (U-5713/R-5777A&B)
Firm:	Branch Civil Inc, Roanoke, VA
Stipend Amount:	\$75,000
SPSF Utilization:	0%

**November 05, 2020**

Project:	50111.3.1 (U-5713/R-5777A&B)
Firm:	S T Wooten Corporation, Wilson, NC
Stipend Amount:	\$75,000
SPSF Utilization:	0%

## Highway Operations

### Operations Program Management 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 private firms for 2021 Secondary Roads Pavement Condition Surveys on an as needed basis for various federal-aid and state funded projects to support the Operations Program Management Unit. These contracts will expire one (1) year with four (4) 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.

<b>STATEWIDE</b>	
Description of Work:	2021 Secondary Roads Pavement Condition Surveys LSC
Firm:	S&ME Inc, Atlanta, GA
Maximum Engineering Fee:	\$15,000,000.00
SPSF Utilization:	0%

### Structures Management 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.

<b>STATEWIDE</b>	
Description of work:	2017 Structures Management Support LSC
Firm:	Alpha & Omega Group PC, Raleigh, NC
Original Engineering Fee:	\$3,000,000.00
Previous Supplemental Fee:	\$1,000,000.00
Supplemental Fee:	\$200,000.00
SPSF Utilization:	100%

## Technical Services

### Photogrammetry 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 private firms for Aerial Surveying Services on an as needed basis for various federal-aid and state funded projects to support the Photogrammetry Unit. These contracts will expire three (3) years; with a 1-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.

<b>STATEWIDE</b>	
Description of Work:	2021 Aerial Surveying Services LSC
Firm:	ESP Associates Inc, Charlotte, NC
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	0%
Description of Work:	2021 Aerial Surveying Services LSC
Firm:	GPI Geospatial Inc, Charlotte, NC
Maximum Engineering Fee:	\$1,000,000.00
SPSF Utilization:	0%
Description of Work:	2021 Aerial Surveying Services LSC
Firm:	GRW Engineers Inc, Lexington, KY
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	0%
Description of Work:	2021 Aerial Surveying Services LSC
Firm:	So Deep SAM NC Inc, Austin, TX
Maximum Engineering Fee:	\$700,000.00
SPSF Utilization:	0%
Description of Work:	2021 Aerial Surveying Services LSC
Firm:	Spatial Data Consultants Inc., High Point, NC
Maximum Engineering Fee:	\$1,000,000.00
SPSF Utilization:	100%
Description of Work:	2021 Aerial Surveying Services LSC
Firm:	Surdex Corporation, Chesterfield, MO
Maximum Engineering Fee:	\$400,000.00
SPSF Utilization:	0%

Description of Work:	2021 Aerial Surveying Services LSC
Firm:	The Sanborn Map Company Inc, Colorado Springs, CO
Maximum Engineering Fee:	\$400,000.00
SPSF Utilization:	0%
Description of Work:	2021 Aerial Surveying Services LSC
Firm:	Triangle Aerial Surveys, LLP, Raleigh, NC
Maximum Engineering Fee:	\$300,000.00
DBE/WBE Utilization:	100%
Description of Work:	2021 Aerial Surveying Services LSC
Firm:	WSE of North Carolina PC, Reading, MA
Maximum Engineering Fee:	\$700,000.00
SPSF Utilization:	0%
Description of Work:	2021 Aerial Surveying Services LSC
Firm:	WSP USA Inc, Dallas, TX
Maximum Engineering Fee:	\$500,000.00
SPSF Utilization:	0%

**NCDOT NOVEMBER 2020 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**

There will be no Secondary Road Improvement projects submitted to the Board for approval at the November 2020 Board meeting.



## NCDOT November 5, 2020 Board of Transportation Agenda

### Additions to the State Highway System:

County	Petition Number	Length Added (Miles)	Description and/or Subdivision	Date of Report
<b>Division 2</b> Beaufort	52166	0.10	<b>Magnolia Shores</b> Justin Drive	10/08/20
<b>Division 3</b> Sampson	52167	0.16	<b>Stagecoach Estates</b> Tyson Carriage Lane	09/24/20
<b>Division 4</b> Halifax	52168	0.30 0.08	<b>Westminster</b> Bishop Road Canterbury Court	04/02/20
Johnston	52169	0.23	<b>Mayfield</b> Darcy Drive	09/14/20
<b>Division 5</b> Franklin	52170	0.15 0.14 0.18	<b>Addyson at Holden Road</b> Addyson Lane Lockamy Lane Anna Marie Way	09/30/20
Franklin	52171	0.14 0.02	<b>Holden Farm</b> Bondhu Place Matice Court	09/29/20
Wake	52172	0.05	<b>Chelsea</b> Daviton Court	10/08/20
Wake	52173	0.50	<b>White Oak Crossing</b> Extend SR 2812, Timber Drive East	08/23/19
<b>Division 7</b> Guilford	52174	0.11	Basington Road	10/16/19
Guilford	52175	0.11	<b>Tamannary Forest</b> Quicksilver Court	08/27/20
Orange	52176	0.19 0.07	<b>The Bluffs at Moorefields</b> Peninsula Lane Grassland Court	05/19/20
<b>Division 8</b> Randolph	52177	0.09	<b>Eastview</b> Bray Boulevard	10/09/20

## NCDOT November 5, 2020 Board of Transportation Agenda

### Additions to the State Highway System:

County	Petition Number	Length Added (Miles)	Description and/or Subdivision	Date of Report
<b>Division 9</b>				
Davidson	52178	0.29	<b>Swicegood Estates</b> Sowers Place	10/07/20
Davie	52179	0.19	Extend SR 1364, Angell Knoll Avenue	10/08/20
Rowan	52180	0.06	<b>Anchor Downs</b> Staysail Road	09/02/20
Stokes	52181	0.19	<b>Belmont Place</b> Sheraton Court	10/05/20
<b>Division 10</b>				
Stanly	52182	0.06 0.05	<b>Stanfield Ridge</b> Crape Myrtle Drive Maple Leaf Court	02/12/20
Union	52183	0.30 0.23 0.24 0.11	<b>Oaks at Camden</b> McCollum Oaks Lane Piney Drive Flat Rock Drive Duntov Drive	06/17/20

## **NCDOT November 5, 2020 Board of Transportation Agenda**

### **Abandonments from the State Highway System:**

<b>County</b>	<b>Petition Number</b>	<b>Length Abandoned (Miles)</b>	<b>Description and/or Subdivision</b>	<b>Date of Report</b>
<b>Division 4</b> Halifax	52184	0.22	SR 1305, Crawley Farm Road Retain 0.11 miles	08/20/20
<b>Division 9</b> Forsyth	52185	0.09	SR 2640, Whicker Road Retain 2.18 miles	04/13/20

**Summary:**            **Number of roads petitioned for addition – 27**  
                             **Number of roads petitioned for abandonment - 2**

### **Corrections to the State Highway System:**

<b>County</b>	<b>Requested Action</b>
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None

**NCDOT NOVEMBER 2020 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.**

<b>County</b>	<b>Description</b>	<b>Type</b>	<b>Amount</b>
Div 3 New Hanover	Landscape Enhancement project along SR 1302 (23 <sup>rd</sup> St) across from ILM Airport and at the intersection of SR 1302 and SR 1310 (Division Dr) across from the ILM Airport  WBS 49404	<u>Contingency</u> TOTAL	<u>\$150,000.00</u> \$150,000.00
Div 8 Randolph	Grade and pave 0.09 miles of the existing non-system segment of Bray Blvd in order to add to the state-maintained system  WBS 49354	<u>Contingency</u> TOTAL	<u>\$33,000.00</u> \$33,000.00
Div 14 Henderson	East Flat Rock – WBS 47417 was established (06/17) to construct approximately 150 LF of industrial access, road improvements on SR 1819 (Mills St) to include widen travel lanes, curb and gutter, and resurface Increase funds	<u>High Impact / Low Cost</u> TOTAL	<u>\$418,836.10</u> \$418,836.10
Div 14 Jackson	WBS 47855 was established (02/18) to re-align intersection of Skyland Dr and Chipper Curve Rd Reduce funds	<u>High Impact / Low Cost</u> TOTAL	<u>(\$243,836.10)</u> (\$243,836.10)

**Deletions:**

Div 7, Orange & Durham Counties – WBS 47490 was established (08/17) to overlay and restripe a section of westbound I-40 at the US-15-501 interchange to provide for two through lanes in this area to match the typical section in Orange County; funded by an alternate source

**NCDOT NOVEMBER 2020 BOARD OF TRANSPORTATION AGENDA**  
**Funds Request**  
**Division-wide Small Construction, Statewide Contingency,**  
**Public Access, Economic Development, High Impact/Low Cost**

<b>Summary:</b>	<b>Number of Divisions</b>	<b>4</b>
	<b>Number of Projects</b>	<b>3</b>
<b>Small Construction Commitment</b>		<b>\$0.00</b>
<b>Public Access Commitment</b>		<b>\$0.00</b>
<b>Contingency Commitment</b>		<b>\$183,000.00</b>
<b>Economic Development Commitment</b>		<b>\$0.00</b>
<b>High Impact/Low Cost Commitment</b>		<b>\$175,000.00</b>
<b>TOTAL:</b>		<b>\$358,000.00</b>

## **NCDOT November 2020 Board of Transportation Agenda**

### **Public Transportation Division**

<b>Division/Project Item</b>	<b>Project Description</b>	<b>Estimated Cost</b>
	There will be no items presented for approval at the November 5, 2020, Board of Transportation meeting.	

**NCDOT November 2020 Board of Transportation Agenda**

**Rail Program**

**Town/County  
Division**

**Project Description**

**Estimated  
Cost**

There will be no items presented for approval at the November 5, 2020, Board of Transportation meeting.

**ITEM I - 2 SUMMARY – NO PROJECTS**

## **NCDOT November 2020 Board of Transportation Agenda**

### **Division of Bicycle and Pedestrian Transportation**

<b>Town/County Division</b>	<b>Project Description</b>	<b>Estimated Cost</b>
	There will be no items presented for approval at the November 5, 2020, Board of Transportation meeting.	

### **ITEM I - 3 SUMMARY – NO PROJECTS**



## NCDOT November 2020 Board of Transportation Agenda

### Aviation Program

#### Division Airport County

#### Project Description

##### **Aircraft Apron Pavement Rehabilitation Phase II (amendment) (36244.46.6.1)**

Division 1  
Dare County  
Regional Airport  
Dare County

This request is for additional state funds for construction costs. This project completes design and pavement rehabilitation to the existing aircraft apron serving cargo and corporate planes. Pavement condition ratings for this area are listed as failing. Design was completed to bid as asphalt or concrete for value engineering options. This request is for additional construction funds identified through final design and incorporates additional apron space. The level of pavement deterioration has led to the need for full depth reclamation. **[PR# 2350]**

##### **North Aircraft Apron Pavement Rehabilitation (amendment) (36244.10.7.1)**

Division 1  
Currituck County  
Regional Airport  
Currituck County

This request is for additional state funds for construction costs. The project completes design and construction rehabilitation to the north aircraft apron pavement. Additional apron pavement was identified for repair during design leading to the need for more construction funds. **[PR# 3714]**

Division 7  
Burlington-  
Alamance Regional  
Airport  
Alamance County

##### **Twin Arch Culvert rehabilitation (amendment) (36244.16.14.3)**

This request is for additional state funds for construction. This project will complete design and rehabilitation of the existing drainage culvert system under the runway. **[PR# 2611]**

Division 14  
Ashe County  
Airport  
Ashe County

##### **Partial Parallel Taxiway & Apron Modifications (CON/CA/RPR) (WBS TBD)**

This project will construct a partial parallel taxiway from Runway 10 to midfield for enhanced safety. Aircraft parking apron modifications are necessary to remove direct access and relocate parking due to taxiway impacts. **[PR 3982]**

#### **ITEM I - 4 SUMMARY – 4 PROJECTS – (TOTAL STATE/FEDERAL COST) \$6,710,000**

\*Costs are estimated. Only eligible costs within the project scope of work will be reimbursed.

**NCDOT November 2020 Board of Transportation Agenda  
Approval of Strategic Transportation Investments Funds**

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Northampton Co. Div. 1 R-2582 REGIONAL/ DIVISION	WBS 34472.1.3 US 158 from I-95 / NC 46 in Roanoke Rapids to SR 1333 (Lynch Road) east of Jackson. \$2,862,122.00 has previously been approved for preliminary engineering. \$2,863,063.31 of Regional Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds using Division Tier funding. <b>This project has previously been identified as a Trust Fund Intrastate System project.</b>	\$0.00
Northampton Co. Div. 1 R-2582A DIVISION	WBS 34472.3.2 US 158 from I-95 / NC 46 in Roanoke Rapids to SR 1312 (St. John Church Road) in Northampton County. \$62,400,000.00 has previously been approved for preliminary engineering. \$50,482,681.16 of Regional Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds. \$1,367,584.22 of additional <b>BUILD NC BOND</b> funds is requested.	\$1,367,584.22
Perquimans Co. Div. 1 B-5606 DIVISION	WBS 45561.3.1 Replace bridge 11 over Raccoon Creek on SR 1338. \$1,600,000.00 has previously been approved for construction. \$960,000.00 of Federal funds and \$240,000.00 of State Match funds will be replaced with Division <b>BUILD NC BOND</b> funds.	\$0.00
Perquimans Co. Div. 1 R-4467 REGIONAL	WBS 35748.1.R1 US 17 BUS/NC 37 from south of Perquimans River Bridge to north of NC 37 in Hertford. \$2,443,097.00 has previously been approved for preliminary engineering. \$1,875,526.43 of Regional Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00
Perquimans Co. Div. 1 R-4467 REGIONAL	WBS 35748.3.2 US 17 BUS/NC 37 from south of Perquimans River Bridge to north of NC 37 in Hertford. \$48,300,000.00 has previously been approved for construction. \$32,406,458.00 of Regional Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00

**NCDOT November 2020 Board of Transportation Agenda  
Approval of Strategic Transportation Investments Funds**

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Beaufort Co. Div. 2 B-5302 REGIONAL	WBS 46016.3.2 Replace bridge 3 over the Norfolk Southern Railroad on US 17 Business, and preservation of bridge 25 on US 17 Business over Pamlico River. \$5,900,000.00 has previously been approved for construction. Funds need to be decreased (\$5,898,242.37). WBS will be closed.	-\$5,898,242.37
Carteret Co. Div. 2 R-5727 DIVISION	WBS 50219.1.1 SR 1176 (Bridges St. Ext), from SR 1738 (Bridges Street) to SR 1147 (McCabe Road). \$2,272,310.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$222,200.00
Carteret Co. Div. 2 U-6058 REGIONAL	WBS 47482.1.1 US 70 (Live Oak Street) at NC 101. \$300,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$390,700.00
Craven Co. Div. 2 R-3403B REGIONAL	WBS 34538.1.2 US 17 from SR 1433 (Antioch Road) to north of NC 43. \$2,185,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$337,500.00
Craven Co. Div. 2 R-5777A STATEWIDE	WBS 44648.1.2 US 70 at Taverna Way. \$1,275,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$134,200.00

**NCDOT November 2020 Board of Transportation Agenda  
Approval of Strategic Transportation Investments Funds**

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Greene Co. Div. 2 R-5812 DIVISION	WBS 46981.3.1 US 13 Bypass from NC 58 (Kingold Boulevard) to NC 91. \$5,319,810.00 has previously been approved for construction. \$1,836,504.75 of Division Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds. \$1,314,392.35 of additional <b>BUILD NC BOND</b> funds is requested.	\$1,314,392.35
Greene Co. Div. 2 R-5812 DIVISION	WBS 46981.1.1 US 13 Bypass from NC 58 (Kingold Boulevard) to NC 91. \$1,555,257.00 has previously been approved for preliminary engineering. \$41,538.36 of Division Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00
Brunswick Co. Div. 3 U-5862 REGIONAL	WBS 46387.1.1 US 17 (Shallotte Bypass) at SR 1357 (Smith Avenue). \$1,000,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$243,100.00
Wilmington/ New Hanover Co. Div. 3 U-4751 STATEWIDE	WBS 40191.3.2 SR 1409 (Military Cutoff Road Extension) from SR 1409 (Military Cutoff Road) to US 17 in Wilmington. \$91,165,235.00 has previously been approved for construction. \$33,080,288.19 of Statewide Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00
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. \$10,610,302.25 has previously been approved for preliminary engineering. \$10,610,302.25 of Statewide Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds. \$70,191.77 of additional <b>BUILD NC BOND</b> funds is requested. <b>This project has previously been identified as a Trust Fund Intrastate System project.</b>	\$70,191.77

**NCDOT November 2020 Board of Transportation Agenda  
Approval of Strategic Transportation Investments Funds**

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
New Hanover Co. Div. 3 U-4902D STATEWIDE	WBS 40238.1.4 US 17 Business (Market Street) from SR 1403 (Middle Sound Loop Road) to SR 2290 (Mendenhall Drive)/SR 2734 (Marsh Oaks Drive). \$3,289,351.73 has previously been approved for preliminary engineering. \$3,289,351.73 of Statewide Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds. \$41,573.78 of additional <b>BUILD NC BOND</b> funds is requested.	\$41,573.78
New Hanover Co. Div. 3 U-4902D STATEWIDE	WBS 40238.3.5 US 17 Business (Market Street) from SR 1403 (Middle Sound Loop Road) to SR 2290 (Mendenhall Drive)/SR 2734 (Marsh Oaks Drive). \$14,375,373.00 has previously been approved for construction. \$13,700,000.00 of Statewide Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds. \$1,236,773.28 of additional <b>BUILD NC BOND</b> funds is requested.	\$1,236,773.28
New Hanover Co. Div. 3 U-5710 STATEWIDE	WBS 50115.2.1 US 74 (Eastwood Road) at SR 1409 (Military Cutoff Road). \$11,445,000.00 has previously been approved for full right of way and utilities. Funds need to be decreased (\$11,443,045.28). Project is delayed.	-\$11,443,045.28
New Hanover Co. Div. 3 U-5729 REGIONAL/ STATEWIDE	WBS 54020.1.1 US 421 (Carolina Beach Road) from US 421 (Burnett Avenue) to US 117 (Shipyard Boulevard) in Wilmington. \$1,991,527.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$367,900.00
Onslow Co. Div. 3 U-5949 REGIONAL	WBS 46896.1.1 NC 210 from US 17 to South of SR 1518 (Old Folkstone Road). \$1,231,540.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$189,000.00

**NCDOT November 2020 Board of Transportation Agenda  
Approval of Strategic Transportation Investments Funds**

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Onslow Co. Div. 3 W-5602 REGIONAL	WBS 50139.3.1 NC 172 Cape Lejeune gate to NC 210. \$14,766,722.00 has previously been approved for construction. \$4,400,000.00 of Federal funds and \$1,100,000.00 of State Match funds will be replaced with Regional <b>BUILD NC BOND</b> funds.	\$0.00
Pender/ New Hanover Cos. Div. 3 R-3300B REGIONAL	WBS 40237.1.2 Proposed US 17 Bypass from NC 210 to US 17 north of Hampstead. \$5,338,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$273,240.00
Sampson Co. Div. 3 R-2303E DIVISION	WBS 34416.3.10 NC 24 from US 421 - 701 / SR 1296 (Sunset Avenue) to SR 1935 (Cecil Odie Road). \$30,900,000.00 has previously been approved for construction. \$19,782,316.77 of Division Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00
Sampson Co. Div. 3 R-2303E DIVISION	WBS 34416.1.S1 NC 24 from US 421 - 701 / SR 1296 (Sunset Avenue) to SR 1935 (Cecil Odie Road). \$3,906,253.00 has previously been approved for preliminary engineering. \$490,000.00 of Division STI funds will be replaced with <b>BUILD NC BOND</b> funds. \$21,814.00 of additional <b>BUILD NC BOND</b> funds is requested.	\$21,814.00
Edgecombe Co. Div. 4 U-4762 DIVISION	WBS 39930.3.2 SR 1250 (Springfield Road) from US 64 Alternate to SR 1243 (Leggett Road). \$6,305,860.00 has previously been approved for construction. \$2,609,120.96 of Division Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00

**NCDOT November 2020 Board of Transportation Agenda  
Approval of Strategic Transportation Investments Funds**

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Edgecombe Co. Div. 4 U-4762 DIVISION	WBS 39930.1.2 SR 1250 (Springfield Road) from US 64 Alternate to SR 1243 (Leggett Road). \$1,547,725.95 has previously been approved for preliminary engineering. \$1,547,725.95 of Division Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds. WBS will be reopened, the funds replaced and then closed.	\$0.00
Edgecombe/ Nash Cos. Div. 4 U-6149 REGIONAL	WBS 48329.1.1 US 64 from NC 58 (Washington Street - Exit 459) to Thomas Road Overpass. \$20,308.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$137,800.00
Halifax Co. Div. 4 U-5725 REGIONAL/ DIVISION	WBS 50162.1.1 NC 125 from I-95 to Old Farm Road. \$1,645,000.00 has previously been approved for preliminary engineering. \$1,500,000.00 of Regional STI funds will be replaced with Regional <b>BUILD NC BOND</b> funds and \$145,000.00 of Division STI funds will be replaced with Division <b>BUILD NC BOND</b> funds. \$7,086.96 of additional <b>BUILD NC BOND</b> funds is requested.	\$7,086.96
Halifax Co. Div. 4 U-5725 DIVISION	WBS 50162.3.1 NC 125 from I-95 to Old Farm Road. \$27,102,500.00 has previously been approved for construction. \$13,594,753.58 of Division Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00
Johnston Co. Div. 4 R-3825B DIVISION	WBS 34552.3.5 NC 42 from east of SR 1902 (Glen Laurel Road) to SR 1003 (Buffalo Road). \$53,128,606.00 has previously been approved for construction. \$26,609,658.58 of Division Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00

**NCDOT November 2020 Board of Transportation Agenda  
Approval of Strategic Transportation Investments Funds**

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Nash Co. Div. 4 B-5947 REGIONAL	WBS 45983.1.1 Replace bridge 91 over Tar River on NC 581. \$108,763.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$172,400.00
Nash Co. Div. 4 BR-0036 REGIONAL	WBS 49074.3.1 Replace bridge 41 on NC 33 over I-95. \$5,700,000.00 has previously been approved for construction. Funds need to be decreased (\$5,700,000.00). Project is delayed. WBS will be closed.	-\$5,700,000.00
Nash Co. Div. 4 BR-0039 DIVISION	WBS 49075.3.1 Replace bridge 224 on SR 1510 over I-95. \$5,425,000.00 has previously been approved for construction. Funds need to be decreased (\$5,425,000.00). Project is delayed. WBS will be closed.	-\$5,425,000.00
Rocky Mount/ Nash Co. Div. 4 U-5026 DIVISION	WBS 44033.3.3 I-95 at SR 1770 (Sunset Avenue). \$63,594,603.00 has previously been approved for construction. \$38,092,414.80 of Division Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00
Nash Co. Div. 4 U-5996 DIVISION	WBS 47133.1.1 SR 1603 (Old Carriage Road) from Green Hills Road to SR 1770 (Eastern Avenue). \$1,096,194.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$1,500,000.00



**NCDOT November 2020 Board of Transportation Agenda  
Approval of Strategic Transportation Investments Funds**

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Wayne Co. Div. 4 U-2714 REGIONAL	WBS 38979.3.1 US 117 from US 70 Bypass to SR 1306 (Fedelon Trail) in Goldsboro. \$18,727,348.00 has previously been approved for construction. \$11,615,419.07 of Regional Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00
Wayne Co. Div. 4 U-2714 REGIONAL	WBS 38979.1.2 US 117 from US 70 Bypass to SR 1306 (Fedelon Trail) in Goldsboro. \$3,291,791.00 has previously been approved for preliminary engineering. \$41,018.46 of additional <b>BUILD NC BOND</b> funds is requested.	\$41,018.46
Durham Co. Div. 5 I-5994 STATEWIDE	WBS 47949.1.1 I-40 from US 15/501 to east of NC 147. Bridge rehabilitation - multiple structures. \$10,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$181,500.00
Durham/ Durham Co. Div. 5 U-0071 STATEWIDE	WBS 34745.3.S2 Durham East End Connector from north of NC 98 to NC 147 (Buck Dean Freeway). \$150,562,984.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This is a Strategic Transportation Investments Transition project.</b>	\$20,076,300.00
Durham/ Orange Cos. Divs. 5/7 U-5774 REGIONAL	WBS 54037.1.1 NC 54 from US 15/501 in Chapel Hill to NC 55 in Durham. \$1,905,125.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$364,900.00

**NCDOT November 2020 Board of Transportation Agenda  
Approval of Strategic Transportation Investments Funds**

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Durham Co. Div. 5 U-5968 REGIONAL	WBS 45982.3.2 City of Durham - upgrade ITS / Signal System. \$22,359,564.00 has previously been approved for construction. \$9,258,986.00 of Federal funds and \$2,314,746.00 of State Match funds will be replaced with Regional <b>BUILD NC BOND</b> funds.	\$0.00
Granville Co. Div. 5 R-5707 REGIONAL	WBS 46379.1.1 NC 56 at US 15 and NC 50 in Creedmoor. \$768,448.00 has previously been approved for preliminary engineering. \$768,448.20 of Regional Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds. WBS will be reopened, the funds replaced and then closed.	\$0.00
Granville Co. Div. 5 R-5707 REGIONAL	WBS 46379.3.1 NC 56 at US 15 and NC 50 in Creedmoor. \$3,870,400.00 has previously been approved for construction. \$662,995.00 of Regional Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00
Wake Co. Div. 5 B-5237 DIVISION	WBS 42838.3.1 Replace bridge 248 over Mahler's Creek on SR 2703 (New Bethel Church Road). \$3,714,045.00 has previously been approved for construction. \$318,288.00 of Federal funds and \$1,715,268.00 of State Match funds will be replaced with Division <b>BUILD NC BOND</b> funds.	\$0.00
Wake Co. Div. 5 I-5968 STATEWIDE	WBS 45921.1.1 I-540 from US 70 to SR 1829 (Leesville Road) in Raleigh. \$1,140,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$181,600.00

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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Wake Co. Div. 5 I-6007 STATEWIDE	WBS 47961.1.1 I-87 / US 64 / US 264 at SR 2233 (Smithfield Road). \$83,905.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$237,100.00
Statewide Div. 5 M-0488D STATEWIDE	WBS 46404.1.4 Southeastern Extension of I-540 - Map Act Lawsuit. \$1,305,112.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$378,800.00
Wake Co. Div. 5 P-5707 REGIONAL	WBS 44643.1.1 CSX S Line. Grade separation at Rogers Road Extension Crossing (633 905Y) in Wake Forest. \$1,530,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$363,800.00
Wake Co. Div. 5 U-5302 REGIONAL	WBS 48000.1.1 US 401 from south of SR 1006 (Old Stage Road) to south of SR 2538 (Mechanical Boulevard) in Garner. \$1,403,682.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. This is a <b>BUILD NC BOND</b> project.	\$252,000.00
Wake Co. Div. 5 U-5750 REGIONAL	WBS 50170.1.1 NC 54 from NC 540 to Perimeter Park Drive in Morrisville. \$1,850,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. This is a <b>BUILD NC BOND</b> project.	\$187,700.00

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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Wake Co. Div. 5 U-5826 DIVISION	WBS 44398.1.1 SR 2000 (Falls of Neuse Road) from I-540 to SR 2006 (Durant Road). \$1,117,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$364,400.00
Wake Co. Div. 5 U-5827 DIVISION	WBS 44400.1.1 SR 1632 (Louis Stephens Drive) from Poplar Pike Lane in Morrisville to SR 2153 (Little Drive) in Research Triangle Park. \$968,258.00 has previously been approved for preliminary engineering. \$1,686.11 of Division Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds	\$0.00
Wake Co. Div. 5 U-5827 DIVISION	WBS 44400.3.1 SR 1632 (Louis Stephens Drive) from Poplar Pike Lane in Morrisville to SR 2153 (Little Drive) in Research Triangle Park. \$6,115,248.00 has previously been approved for construction. \$3,269,791.00 of Division Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00
Wake Co. Div. 5 U-5936 STATEWIDE	WBS 45944.1.1 SR 1728 (Wade Avenue) from I-40 to I-440 in Raleigh. \$500,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$387,900.00
Wake Co. Div. 5 U-6023 DIVISION	WBS 47149.1.1 Town of Wake Forest. Construct townwide ITS / Signal System. \$325,892.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$117,800.00

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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Cumberland Co. Div. 6 I-5986A STATEWIDE	WBS 47532.1.2 I-95 from I-95 Business (Exit 56) to SR 1001 (Long Branch Road - Exit 71). \$1,700,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$1,257,300.00
Cumberland/ Robeson Cos. Div. 6 I-5987 REGIONAL	WBS 47533.1.1 I-95 from US 301 (Exit 22) to north of I-95 Business/US 301 (Exit 40). \$4,115,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$2,293,200.00
Fayetteville/ Cumberland Co. Div. 6 U-2519CB STATEWIDE	WBS 34817.3.S8 Fayetteville Outer Loop from south of SR 1400 (Cliffdale Road) to east of SR 1415 (Yadkin Road). \$161,354,182.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$9,032,000.00
Cumberland Co. Div. 6 U-5798A DIVISION	WBS 44369.1.2 SR 1102 (Gillis Hill Road) from north of SR 1112 (Stoney Point Road) to US 401(Raeford Road). \$16,491.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$831,000.00
Harnett Co. Div. 6 R-5705B REGIONAL	WBS 46377.1.3 NC 55 from NC 210 to SR 4809 (Jicarila Lane). \$700,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$170,400.00

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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Harnett Co. Div. 6 U-5933 STATEWIDE	WBS 45943.1.1 NC 87/24 at SR 1117 (Nursery Road). \$600,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$152,500.00
Robeson Co. Div. 6 I-5987A REGIONAL	WBS 47533.1.2 I-95 from south of US 301 to south of NC 20. Initial funds are requested for preliminary engineering.	\$1,895,342.00
Robeson Co. Div. 6 I-5987B REGIONAL	WBS 47533.1.3 I-95 from south of NC 20 to south of proposed I-295. Initial funds are requested for preliminary engineering.	\$2,104,043.00
Robeson Co. Div. 6 P-4900A(L) STATEWIDE	WBS 41099.3.6 Railroad bypass of Pembroke to allow north to south shipments to turn east. \$347.00 has previously been approved for construction. Additional funds are requested. WBS will be reopened for completing work.	\$60,000.00
Robeson Co. Div. 6 U-5797 DIVISION	WBS 44367.1.1 SR 1997 (Fayetteville Road) from Farrington Street to East 22nd Street. \$1,704,200.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$379,300.00

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Cumberland/ Hoke Cos. Divs. 6/8 U-5798 DIVISION	WBS 44369.1.1 SR 1102 (Gillis Hill Road) from US 401 (Raeford Road) to SR 1418 (Lindsay Road); Planning document for U-5798 also includes U-5707, U-5857, U-5858 and U-5753. \$1,000,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$261,700.00
Alamance Co. Div. 7 U-3109A REGIONAL	WBS 34900.3.5 NC 119 Relocation from I-40/I-85 to north of SR 1921 (Mebane Rogers Road/Stage Coach Road). \$49,100,000.00 has previously been approved for construction. \$14,047,486.00 of Regional Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00
Alamance Co. Div. 7 U-3109A REGIONAL	WBS 34900.1.4 NC 119 Relocation from I-40/I-85 to north of SR 1921 (Mebane Rogers Road/Stage Coach Road). \$1,700,000.00 has previously been approved for preliminary engineering. \$282,446.89 of Regional Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00
Alamance Co. Div. 7 U-3109B REGIONAL	WBS 34900.3.4 NC 119 relocation from north of US 70 to south of SR 1918 (Mrs. White Road) in Mebane. \$9,189,804.00 has previously been approved for construction. \$3,702,593.00 of Federal funds and \$925,648.00 of State Match funds will be replaced with Division <b>BUILD NC BOND</b> funds. \$545,155.00 of additional <b>BUILD NC BOND</b> funds is requested.	\$545,155.00
Alamance Co. Div. 7 U-5843 DIVISION	WBS 50233.3.1 US 70 (Church Street) at SR 1817 (Graham - Hopedale Road) in Burlington. \$2,771,621.00 has previously been approved for construction. \$1,466,357.00 of Division Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds	\$0.00

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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Alamance Co. Div. 7 U-5843 DIVISION	WBS 50233.1.1 US 70 (Church Street) at SR 1817 (Graham - Hopedale Road) in Burlington. \$627,306.49 has previously been approved for preliminary engineering. \$627,306.49 of Division Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds	\$0.00
Alamance Co. Div. 7 U-6015 DIVISION	WBS 47160.3.1 Upgrade Burlington - Graham Signal System. \$9,129,152.00 has previously been approved for construction. \$4,336,789.00 of Federal funds and \$1,084,197.00 of State Match funds will be replaced with Division <b>BUILD NC BOND</b> funds.	\$0.00
Guilford Co. Div. 7 AV-5708 STATEWIDE	WBS 46309.1.1 Construct taxiway over future I-73 east of SR 2085 (Bryan Boulevard) at Piedmont Triad International. \$525,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$280,000.00
Greensboro/ Guilford Co. Div. 7 P-5713 STATEWIDE	WBS 46925.1.1 North Carolina Railroad (NCRR) / Norfolk Southern Railroad, SR 1424 (Hilltop Road) in Greensboro. Convert at-grade crossing to grade separation. \$693,500.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$386,000.00
Guilford Co. Div. 7 U-2412A DIVISION	WBS 34802.3.3 SR 1486/SR 1421 (Jamestown Parkway) from I-74 to west of SR 1480 (Vickrey Chapel Road). \$52,107,585.00 has previously been approved for construction. \$27,201,940.00 of Division Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00



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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Greensboro/ Guilford Co. Div. 7 U-2525C STATEWIDE	WBS 34821.1.5 Greensboro Eastern Loop from US 29 north of Greensboro to SR 2303 (Lawndale Drive). \$6,174,090.00 has previously been approved for preliminary engineering. \$5,662,970.85 of Statewide Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds. \$288,989.87 of additional <b>BUILD NC BOND</b> funds is requested. <b>This project has previously been identified as a Trust Fund Urban Loop project.</b>	\$288,989.87
Greensboro/ Guilford Co. Div. 7 U-2525C STATEWIDE	WBS 34821.3.7 Greensboro Eastern Loop from US 29 north of Greensboro to SR 2303 (Lawndale Drive). \$162,997,322.00 has previously been approved for construction. \$35,000,000.00 of Statewide Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00
Guilford Co. Div. 7 U-2581BA DIVISION	WBS 34840.1.4 US 70 from SR 3045 (Mount Hope Church Road) to SR 3175 (Birch Creek Road). \$1,218,527.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$186,500.00
Guilford Co. Div. 7 U-2581BA DIVISION	WBS 34840.1.4 US 70 from SR 3045 (Mount Hope Church Road) to SR 3175 (Birch Creek Road). \$1,218,527.00 has previously been approved for preliminary engineering. \$196,720.75 of additional <b>BUILD NC BOND</b> funds is requested.	\$196,720.75
Guilford Co. Div. 7 U-2581BA DIVISION	WBS 34840.3.4 US 70 from SR 3045 (Mount Hope Church Road) to SR 3175 (Birch Creek Road). \$11,046,707.00 has previously been approved for construction. \$9,792,701.86 of Division Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds. \$1,647,204.14 of additional <b>BUILD NC BOND</b> funds is requested.	\$1,647,204.14

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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Guilford Co. Div. 7 U-4015A DIVISION	WBS 35013.1.4 SR 1556 (Gallimore Dairy Road) from NC 68 to Airpark Road. \$414,004.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$197,300.00
Orange Co. Div. 7 I-3306AB STATEWIDE	WBS 34178.1.5 I-40 from NC 86 to Durham County Line. \$500,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$123,500.00
Randolph/ Guilford Cos. Divs. 7/8 U-3400 DIVISION	WBS 38996.1.1 SR 1577 - SR 1004 (Archdale Road) from US 311 (Main Street) to east of Springwood Lane in Archdale. \$1,520,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$188,700.00
Moore Co. Div. 8 U-5814 REGIONAL	WBS 44387.1.1 US 15/ US 501/ NC 211 from US 1 (Sandhills Boulevard) to Brucewood Road in Aberdeen and Southern Pines. \$1,500,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$262,500.00
Richmond Co. Div. 8 R-2501C DIVISION	WBS 34437.3.7 US 1 from north of SR 1606 (Fox Road) south of SR 1001 (Marston Road). \$17,800,000.00 has previously been approved for construction. \$2,644,007.00 of Division Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds	\$0.00

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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Richmond Co. Div. 8 R-2501C DIVISION	WBS 34437.1.5 US 1 from north of SR 1606 (Fox Road) south of SR 1001 (Marston Road). \$168,758.95 has previously been approved for preliminary engineering. \$168,758.95 of Division Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds	\$0.00
Richmond Co. Div. 8 R-3421A REGIONAL	WBS 34542.3.6 US 220 Bypass from US 74 Bypass west of Rockingham at SR 1109 (Zion Church Road) interchange to south of SR 1140 (Old Charlotte Highway). \$61,323,000.00 has previously been approved for construction. \$35,314,043.00 of Regional Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00
Richmond Co. Div. 8 R-3421B REGIONAL	WBS 34542.3.7 US 220 Bypass from 0.3 mile south of SR 1140 (Old Charlotte Highway) to 0.2 mile southwest of SR 1304 (Harrington Road). \$103,300,000.00 has previously been approved for construction. \$37,724,308.00 of regional Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00
Davie/ Forsyth Cos. Div. 9 I-0911A REGIONAL	WBS 34147.3.4 I-40 from 0.3 mile west of NC 801 in Davie County to 0.3 mile west of SR1101 (Harper Road) in Forsyth County. \$81,127,200.00 has previously been approved for construction. \$20,311,569.00 of Federal funds and \$5,077,892.00 of State Match funds will be replaced with Division <b>BUILD NC BOND</b> funds.	\$0.00
Forsyth Co. Div. 9 R-2247B REGIONAL	WBS 34409.2.32 Winston-Salem Northern Beltway Western Section from south of I-40 to south of the US 421 Interchange. Initial funds are requested for advance acquisition.	\$25,000.00

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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Winston- Salem/ Forsyth Co. Div. 9 U-2579C REGIONAL	WBS 34839.3.GV6 Winston-Salem Northern Beltway Eastern Section (Future I-74) from US 158 to US 311. \$40,208,706.00 has previously been approved for construction. \$6,624,000.00 of Federal funds and \$1,656,000.00 of State Match funds will be replaced with Regional <b>BUILD NC BOND</b> funds. <b>This project has previously been identified as a Trust Fund Urban Loop project.</b>	\$0.00
Winston- Salem/ Forsyth Co. Div. 9 U-2579D STATEWIDE	WBS 34839.1.S4 Winston-Salem - Northern Beltway (Eastern Section) from US 311 to SR 2211 (Baux Mountain Road). \$780,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$148,000.00
Cabarrus Co. Div. 10 B-5136 REGIONAL	WBS 42295.3.FR1 Replace bridges 66 & 69 over the Norfolk Southern Railroad on US 29/US 601. \$16,126,411.00 has previously been approved for construction. \$1,733,659.18 of Federal funds and \$433,414.80 of State Match funds will be replaced with Regional <b>BUILD NC BOND</b> funds.	\$0.00
Cabarrus/ Mecklenburg Cos. Div. 10 R-5706 REGIONAL	WBS 46378.1.1 NC 73 (Davidson Highway) from SR 2693 (Davidson-Concord Road) to US 29. \$2,770,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$1,705,700.00
Cabarrus Co. Div. 10 U-5806 DIVISION	WBS 44378.3.1 Intersection of SR 2894 (Concord Mills Boulevard) and Entrance No. 1 - Kings Grant Pavilion. \$8,894,000.00 has previously been approved for construction. \$5,833,934.99 of Division Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00

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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Cabarrus Co. Div. 10 U-5806 DIVISION	WBS 44378.1.D1 Intersection of SR 2894 (Concord Mills Boulevard) and Entrance No. 1 - Kings Grant Pavilion. \$1,856,615.00 has previously been approved for preliminary engineering. \$1,404,038.71 of Division Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00
Cabarrus Co. Div. 10 U-5956 REGIONAL	WBS 46891.1.1 US 29 - Realign Union Cemetery Road to intersect US 29 at Rock Hill Church Road and eliminate the current intersection of Union Cemetery Road and Cabarrus Avenue by creating a cul-de-sac. \$820,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$345,900.00
Mecklenburg Co. Div. 10 U-4713A DIVISION	WBS 39077.1.2 SR 3440 (McKee Road Extension) from SR 3448 (Pleasant Plains Road) to SR 1009 (John Street). \$888,488.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$171,400.00
Mecklenburg Co. Div. 10 U-6103 STATEWIDE	WBS 48136.1.1 US 74 (Independence Boulevard) from I-277 to NC 27 (Albemarle Road). \$1,010,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$385,700.00
Stanly Co. Div. 10 R-2530B REGIONAL	WBS 34446.3.4 NC 24 - 27 from Bird Road in Albemarle to west of the Pee Dee River. \$70,164,391.00 has previously been approved for construction. \$36,926,972.99 of Regional Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds. <b>This project has previously been identified as a Trust Fund Intrastate System project.</b>	\$0.00

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Stanly Co. Div. 10 R-2530B REGIONAL	WBS 34446.1.6 NC 24 - 27 from Bird Road in Albemarle to west of the Pee Dee River. \$6,021,946.00 has previously been approved for preliminary engineering. \$131,202.94 of additional <b>BUILD NC BOND</b> funds is requested. <b>This project has previously been identified as a Trust Funds Intrastate System project.</b>	\$131,202.94
Stanly Co. Div. 10 R-5965 DIVISION	WBS 49190.1.1 Various improvements around Town of Oakboro. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$100,000.00
Union Co. Div. 10 U-5703A STATEWIDE	WBS 50129.3.2 US 74 (Roosevelt Boulevard) at SR 1514 (Rocky River Road). \$2,310,000.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. Project is complete. WBS will be closed.	\$37,648.98
Ashe Co. Div. 11 R-2915E DIVISION	WBS 34518.3.8 US 221 from US 221 Bypass to US 221 Business/NC 88 in Jefferson. \$35,700,000.00 has previously been approved for construction. \$20,633,459.25 of Division Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00
Ashe Co. Div. 11 R-5832 DIVISION	WBS 47104.1.1 NC 88 from NC 88 to NC 194. \$591,083.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$231,500.00

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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Caldwell Co. Div. 11 U-6035 DIVISION	WBS 46970.1.1 SR 1002 (Dudley Shoals Road) and SR 1751 (Grace Chapel Road / Campground Road) / SR 1752 (Peach Orchard Road). \$260,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$206,600.00
Caldwell Co. Div. 11 U-6036 DIVISION	WBS 46971.1.1 SR 1109 (Pinewood Road) from US 321 to SR 1931 (Bert Huffman Road). \$480,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$139,400.00
Caldwell Co. Div. 11 U-6157 DIVISION	WBS 48471.1.1 SR 1130 (Cajah Mountain Road) from SR 1001 (Connelly Springs Road) to US 321A. \$10,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$243,500.00
Catawba Co. Div. 12 I-5991 STATEWIDE	WBS 47537.1.1 I-40 from US 321 (Exit 123) to NC 16. \$990,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$236,800.00
Catawba Co. Div. 12 R-3100A DIVISION	WBS 34522.3.5 NC 16 from north of SR 1814 (Caldwell Road) to SR 1895 (Tower Road). \$50,710,146.00 has previously been approved for construction. \$15,463,010.00 of Federal funds and \$3,865,752.00 of State Match funds will be replaced with Division <b>BUILD NC BOND</b> funds.	\$0.00

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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Catawba Co. Div. 12 R-5113 DIVISION	WBS 42364.1.1 SR 1005 (Startown Road) from US 70 to NC 10. \$775,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$336,400.00
Cleveland Co. Div. 12 M-0488A REGIONAL	WBS 46404.1.14 Shelby Bypass - Map Act Lawsuit. \$1,055,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$123,700.00
Cleveland Co. Div. 12 R-2707C REGIONAL	WBS 34497.3.6 US 74 Bypass from east of NC 226 to east of NC 150. \$64,133,683.00 has previously been approved for construction. \$29,609,002.04 of Regional Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00
Cleveland Co. Div. 12 R-2707C REGIONAL	WBS 34497.1.4 US 74 Bypass from east of NC 226 to east of NC 150. \$146,067.85 has previously been approved for preliminary engineering. \$146,067.85 of Highway Trust Funds will be replaced with <b>BUILD NC BOND</b> funds. WBS will be reopened, the funds replaced and then closed.	\$0.00
Gaston Co. Div. 12 U-3633 REGIONAL/ DIVISION	WBS 37649.3.3 NC 273 (South Main Street) from Tuckaseegee Road at Beatty Drive to Highland Street at A&E Drive. \$17,346,281.00 has previously been approved for construction. \$3,342,614.00 of Federal funds and \$835,653.50 of State Match funds will be replaced with Division <b>BUILD NC BOND</b> funds.	\$0.00



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Approval of Strategic Transportation Investments Funds**

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Gaston Co. Div. 12 W-5212N REGIONAL/ DIVISION	WBS 45342.3.14 NC 279 (Dallas Cherryville Highway) from south of (St. Mark's Church Road) to north of NC 275. \$17,990,252.00 has previously been approved for construction. \$8,975,775.00 of Federal funds and \$2,243,944.00 of State Match funds will be replaced with Division <b>BUILD NC BOND</b> funds.	\$0.00
Iredell Co. Div. 12 I-3819B STATEWIDE/ BONUS ALLOCATION	WBS 34192.2.3 I-40 / I-77 interchange. \$214,750,102.00 has previously been approved for construction. \$101,472,078.61 of Statewide Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00
Iredell Co. Div. 12 R-3833C DIVISION	WBS 34554.1.3 SR 1100 (Brawley School Road) from I-77 to US 21. \$2,144,078.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$1,170,600.00
Iredell Co. Div. 12 U-5799 REGIONAL	WBS 44371.1.1 US 21 from SR 1933 to Fort Dobbs Road. \$1,756,673.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$362,600.00
Iredell Co. Div. 12 U-5817 DIVISION	WBS 44389.1.1 SR 1246 (Fairview Road) extension over I-77 to connect with SR 1206 (Alcove Road). \$1,350,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$353,200.00

**NCDOT November 2020 Board of Transportation Agenda  
Approval of Strategic Transportation Investments Funds**

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Iredell Co. Div. 12 U-5964 REGIONAL	WBS 45978.1.1 US 64 (Davie Avenue) and US 21 (Sullivan Road). \$430,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$137,200.00
Buncombe Co. Div. 13 I-6063 STATEWIDE	WBS 48755.1.1 I-40 from Milemarker 50 to Milemarker 55. \$10,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$142,300.00
Madison Co. Div. 13 B-6012 DIVISION	WBS 48207.3.1 Replace bridge 73 over Foster Creek on SR 1341 (Foster Creek Road). \$4,746,050.00 has previously been approved for construction. \$2,760,119.00 of Federal funds and \$690,029.00 of State Match funds will be replaced with Division <b>BUILD NC BOND</b> funds.	\$0.00
McDowell Co. Div. 13 U-5818 DIVISION	WBS 44390.3.1 SR 1001 (Sugar Hill Road) from I-40 westbound ramps to 0.3 mile west of I-40 eastbound ramps. \$8,100,000.00 has previously been approved for construction. \$3,820,580.01 of Division Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds. \$5,229,894.92 of additional <b>BUILD NC BOND</b> funds is requested.	\$5,229,894.92
McDowell Co. Div. 13 U-5818 DIVISION	WBS 44390.1.1 SR 1001 (Sugar Hill Road) from I-40 westbound ramps to 0.3 mile west of I-40 eastbound ramps. \$1,310,743.00 has previously been approved for preliminary engineering. \$105,000.00 of Division Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds. \$12,703.77 of additional <b>BUILD NC BOND</b> funds is requested.	\$12,703.77

**NCDOT November 2020 Board of Transportation Agenda  
Approval of Strategic Transportation Investments Funds**

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Rutherford Co. Div. 13 U-5833 DIVISION	WBS 50225.3.1 SR 2241 (Oak Street) from SR 2159 (Pine Ridge Road) to US 74. \$5,059,811.00 has previously been approved for construction. \$2,824,764.82 of Division Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds. \$841,020.56 of additional <b>BUILD NC BOND</b> funds is requested.	\$841,020.56
Rutherford Co. Div. 13 U-5833 DIVISION	WBS 50225.1.1 SR 2241 (Oak Street) from SR 2159 (Pine Ridge Road) to US 74. \$1,392,668.00 has previously been approved for preliminary engineering. \$52,371.39 of Division Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00
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 US 19 Business (Hiwassee Street). \$11,124,000.00 has previously been approved for construction. \$6,595,718.43 of Division Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds. \$10,278,539.90 of additional <b>BUILD NC BOND</b> funds is requested.	\$10,278,539.90
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 US 19 Business (Hiwassee Street). \$2,088,507.00 has previously been approved for preliminary engineering. \$19,307.07 of Division Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds. WBS will be reopened, the funds replaced and then closed.	\$0.00
Cherokee Co. Div. 14 R-5908 DIVISION	WBS 48469.1.1 US 19 / US 74 / US 129 from US 64 to SR 1689 (Casino Parkway). \$41,553.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$205,800.00

**NCDOT November 2020 Board of Transportation Agenda  
Approval of Strategic Transportation Investments Funds**

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Clay Co. Div. 14 R-5742 DIVISION	WBS 46325.3.1 NC 175 from Georgia State Line to US 64, upgrade roadway. \$21,300,000.00 has previously been approved for construction. \$12,270,382.90 of Division Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00
Clay Co. Div. 14 R-5742 DIVISION	WBS 46325.1.D1 NC 175 from Georgia State Line to US 64, upgrade roadway. \$1,933,543.00 has previously been approved for preliminary engineering. \$8,838.92 of Division Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds. WBS will be reopened, the funds replaced and then closed.	\$0.00
Haywood Co. Div. 14 U-5839 DIVISION	WBS 50230.1.1 US 276 (Russ Avenue) from US 23/74 to US 23 Business (Main Street). \$2,743,401.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$241,300.00
Henderson Co. Div. 14 U-5840 DIVISION	WBS 50231.3.1 SR 1547 (Old Airport Road) from US 25 to Mills Gap Road. \$7,604,508.00 has previously been approved for construction. \$1,135,266.43 of Division Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds. \$2,438,012.67 of additional <b>BUILD NC BOND</b> funds is requested.	\$2,438,012.67
Henderson Co. Div. 14 U-5887 DIVISION	WBS 44634.1.1 SR 1783 (Highland Lake Road) from NC 225 to US 176. \$709,775.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$383,400.00

**NCDOT November 2020 Board of Transportation Agenda  
Approval of Strategic Transportation Investments Funds**

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Macon Co. Div. 14 R-5734A DIVISION	WBS 50192.3.1 US 23/ US 441 from US 64 to SR 1652 (Wide Horizon Drive) / SR 1152 (Belden Circle). \$6,293,484.00 has previously been approved for construction. \$6,200,000.00 of Division Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds. \$2,596,727.87 of additional <b>BUILD NC BOND</b> funds is requested.	\$2,596,727.87
Macon Co. Div. 14 R-5734A DIVISION	WBS 50192.1.1 US 23/ US 441 from US 64 to SR 1652 (Wide Horizon Drive) / SR 1152 (Belden Circle). \$1,787,763.12 has previously been approved for preliminary engineering. \$1,787,763.12 of Division Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds. WBS will be reopened, the funds replaced and then closed.	\$0.00
Macon Co. Div. 14 R-5734B REGIONAL	WBS 50192.1.2 US 23 / US 441 from SR 1652 (Wide Horizon Drive) / SR 1152 (Belden Circle) to SR 1649 (Prentiss Bridge Road). \$975,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. This is a <b>BUILD NC BOND</b> project.	\$174,300.00
Macon Co. Div. 14 U-5604 REGIONAL	WBS 45832.3.1 US 441 Business from US 23 / US 64 / US 441 to Porter Street. Intersection improvements at Womack Street, Maple Street, Porter Street and Depot Street in Franklin. \$5,700,000.00 has previously been approved for construction. \$1,249,582.01 of Regional Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00
Macon Co. Div. 14 U-5604 REGIONAL	WBS 45832.1.1 US 441 Business from US 23 / US 64 / US 441 to Porter Street. Intersection improvements at Womack Street, Maple Street, Porter Street and Depot Street in Franklin. \$1,415,935.10 has previously been approved for preliminary engineering. \$1,415,935.10 of Regional Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds. WBS will be opened, funds replaced and then closed.	\$0.00

**NCDOT November 2020 Board of Transportation Agenda  
Approval of Strategic Transportation Investments Funds**

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Transylvania Co. Div. 14 R-5605 DIVISION	WBS 43587.3.1 Davidson River Village Connector from US 64/US 276 to US 64 in Pisgah Forest. \$12,568,400.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$312,100.00
Statewide M-0392 STATEWIDE/ REGIONAL/ DIVISION	WBS 40290.1.2 Hydraulics and preliminary engineering for miscellaneous projects. \$2,739,436.00 has previously been approved for preliminary engineering. Additional funds are requested using 40% Statewide (\$160,000.00) / 30% Regional (\$120,000.00) / 30% Division (\$120,000.00) Tier funding.	\$400,000.00
STATEWIDE STRATEGIC TRANSPORTATION INVESTMENTS	26 PROJECTS	\$24,013,632.40
REGIONAL STRATEGIC TRANSPORTATION INVESTMENTS	47 PROJECTS	\$1,631,159.03
DIVISION STRATEGIC TRANSPORTATION INVESTMENTS	62 PROJECTS	\$28,863,715.15
REGIONAL/STATEWIDE STRATEGIC TRANSPORTATION INVESTMENTS	1 PROJECT	\$367,900.00
REGIONAL/DIVISION STRATEGIC TRANSPORTATION INVESTMENTS	4 PROJECTS	\$7,086.96
STATEWIDE/REGIONAL/ DIVISION STRATEGIC TRANSPORTATION INVESTMENTS	1 PROJECT	\$400,000.00
STATEWIDE/BONUS ALLOCATION STRATEGIC TRANSPORTATION INVESTMENTS	1 PROJECT	\$0.00
<b>STRATEGIC TRANSPORTATION INVESTMENTS</b>	<b>142 PROJECTS</b>	<b>\$55,283,493.54</b>

\*\*\*Correction and resubmission from March 5, 2020 Board Approval (Page K-5) As reads:

Ashe Co.	WBS 34518.3.8	\$35,700,000.00
Div. 11	US 221 from US 221 Bypass to US 221 Business/NC 88 in	
R-2915E	Jefferson. Initial funds are requested for construction based on	
REGIONAL	the estimate from the 12-month Tentative Letting List published	
	January 17, 2020. This is a <b>Cash Flow</b> project with	
	\$1,785,000.00 in SFY 20, and \$11,305,000.00 in SFY 21,	
	SFY 22 and SFY 23.	

\*\*\*The correction should be:

Ashe Co.	WBS 34518.3.8	\$35,700,000.00
Div. 11	US 221 from US 221 Bypass to US 221 Business/NC 88 in	
R-2915E	Jefferson. Initial funds are requested for construction based on	
DIVISION	the estimate from the 12-month Tentative Letting List published	
	January 17, 2020. This is a <b>Cash Flow</b> project with	
	\$1,785,000.00 in SFY 20, and \$11,305,000.00 in SFY 21,	
	SFY 22 and SFY 23.	

**NCDOT November 2020 Board of Transportation Agenda  
Approval of Funds for Specific Spot Safety Improvement Projects  
and for Specific Spot Mobility Projects**

**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**

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Chatham Co. Div. 8 SS-6008J	WBS 49286.3.1 US 15-501 at Northwood High School Road. \$750,000.00 in Spot Safety construction funds has previously been approved for intersection improvements. Additional funds are needed due to an increase in construction costs. File 08-20-002-1	\$36,124.47



**NCDOT November 2020 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 1**

**Urban**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Pasquotank/ Camden Co. U-4438 EXEMPT	35742.2.1, STP-0158(50) US 158 from US 17 Business (North Road Street) to east of the Pasquotank River. This project is combined with B-4921: Replace Bridge #19 over the Pasquotank River on US 158 in Elizabeth City. \$13,333,110.53 has previously been approved for right of way and utilities. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. Work associated with this WBS is complete. This WBS will be closed.	\$426,711.00 Cost \$341,368.00 Fed. \$85,343.00 State

**Bridge**

Pasquotank Co. B-4599 EXEMPT	33791.3.1, BRSTP-17(41) Replace Bridge #1 and Bridge #2 over Knobbs Creek on US 17 / US 158 in Elizabeth City. \$11,790,528.19 has previously been approved for construction. Funds need to be decreased (\$283,513.00). Work associated with this WBS is complete. This WBS will be closed.	(\$283,513.00) Cost (\$226,810.00) Fed. (\$56,703.00) State
Pasquotank Co. B-6053 DIVISION	48754.1.1, STBG-0111(026) Replace Bridge #34 over Knobbs Creek Tributary on Providence Road in Elizabeth City. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested. This is a municipal bridge project.	\$125,000.00 Cost \$100,000.00 Fed. \$25,000.00 Local
Perquimans Co. B-5606 DIVISION	45561.3.1, BRZ-1338(006) Replace Bridge #11 over Raccoon Creek on SR 1338 (Wynne Fork Road) in Hertford. \$1,600,000.00 has previously been approved for construction. Funds need to be decreased (\$1,200,000.00). These funds will be replaced with nonparticipating State funds.	(\$1,200,000.00) Cost (\$960,000.00) Fed. (\$240,000.00) State

**NCDOT November 2020 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 1 (Continued)**

**Bridge**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Tyrrell Co. BP-5500B REGIONAL	50070.3.FR2, BRSTP-0094(4) Bridge preservation for Bridge #8 over Riders Creek on NC 904 and for Bridge #21 over the Scuppernong River on SR 1105 (Cross Landing Road). \$375,000.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. Work associated with this WBS is complete. This WBS will be closed.	\$244,851.00 Cost \$195,737.00 Fed. \$49,114.00 State

**Rural**

Divisionwide R-5781BB DIVISION	44911.3.7, TAP-0110(011) ADA Ramps (Americans with Disabilities Act) for areas with populations under 5,000 in Washington, Tyrrell, and Hyde Counties. \$119,000.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. Work associated with this WBS is complete. This WBS will be closed.	\$214,706.00 Cost \$171,711.00 Fed. \$42,995.00 State
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**NCDOT November 2020 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 2**

**Bridge**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Carteret Co. B-4863 DIVISION	40212.2.2, BRSTP-1335(4) Replace lift spans on Bridge #73 and Bridge #96 over the Straits at Harker's Island on SR 1335 (Island Road). \$500,000.00 has previously been approved for utility relocations. Additional funds are needed as requested.	\$6,000,000.00 Cost \$4,800,000.00 Fed. \$1,200,000.00 State
Pitt Co. B-5301 REGIONAL	46015.1.1, BRSTP-0033(13) Replace Bridge #87 over the Norfolk Southern Railroad on NC 33 near Grimesland. \$100,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$961,032.00 Cost \$768,825.00 Fed. \$192,207.00 State

**Rural**

Craven Co. R-5516 EXEMPT	45492.2.1, NHS-0070(154) Construct interchange at US 70 and Slocum Road near Marine Corps Air Station Cherry Point. \$5,322,000.00 has previously been approved for right of way and utilities. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. This is a Strategic Transportation Investments (STI) Transition project.	\$418,580.00 Cost \$334,864.00 Fed. \$83,716.00 State
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**NCDOT November 2020 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 3**

**Urban**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
New Hanover Co. U-3338B EXEMPT	34932.3.FD2, STP-1175(010) SR 1175 (Kerr Avenue) from Randall Parkway to US 74 (Martin Luther King, Jr. Parkway) in Wilmington. \$30,580,100.00 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 (STI) Transition project.	\$328,103.00 Cost \$262,482.00 Fed. \$65,621.00 State
New Hanover Co. U-5534F DIVISION	44096.3.7, STPDA-0332(46) Park Avenue Multi-Use Trail (Phase II) from Audubon Boulevard to SR 1175 (Kerr Avenue) in Wilmington. Funds are needed for construction to install the trail.	\$620,000.00 Cost \$496,000.00 Fed. \$124,000.00 Local

**Bridge**

Sampson Co. B-4814 DIVISION	38584.2.1, BRZ-1233(006) Replace Bridge #102, Bridge #103, and Bridge #104 over Little Coharie Creek on SR 1233 (Autryville Road) near Salemberg. \$233,000.00 has previously been approved for right of way and utilities. Funds need to be decreased (\$202,251.00). Work associated with this WBS is complete. This WBS will be closed.	(\$202,251.00) Cost (\$161,802.00) Fed. (\$40,449.00) State
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**Safety**

Onslow Co. W-5203X STATEWIDE	45333.3.24, HSIP-0017(138) Superstreet improvements along US 17 (New Bern Highway) between SR 1407 (Wolf Swamp Road) and SR 1326 (Drummer Kellum Road) in Jacksonville. \$2,200,000.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$1,055,556.00 Cost \$950,000.00 Fed. \$105,556.00 State
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**NCDOT November 2020 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 3 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Onslow Co. W-5602 REGIONAL	50139.3.1, HSIP-0172(13) NC 172 from the gate at Marine Corps Base Camp Lejeune to NC 210 near Sneads Ferry. \$14,766,722.00 has previously been approved for construction. Funds need to be decreased (\$5,500,000.00). These funds will be replaced with nonparticipating State funds.	(\$5,500,000.00) Cost (\$4,400,000.00) Fed. (\$1,100,000.00) State

**NCDOT November 2020 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 4**

**Rural**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Johnston Co. R-3825B DIVISION	34552.1.FR3, STP-0042(58) NC 42 from east of SR 1902 (Glen Laurel Road) to SR 1003 (Buffaloe Road). \$350,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. Work associated with this WBS is complete. This WBS will be closed.	\$112,977.00 Cost \$90,381.00 Fed. \$22,596.00 State

**NCDOT November 2020 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 5**

**Urban**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Durham Co. U-5968 REGIONAL	45982.3.2, STBG-0505(099) City of Durham Signal System Upgrade. \$22,359,564.00 has previously been approved for construction. Funds need to be decreased (\$11,573,732.00). These funds will be replaced with nonparticipating State funds.	(\$11,573,732.00) Cost (\$9,258,986.00) Fed. (\$2,314,746.00) State
Durham Co. U-5968 REGIONAL	45982.1.1, STBG-0505(084) City of Durham Signal System Upgrade \$3,946,870.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$203,150.00 Cost \$162,520.00 Fed. \$40,630.00 State

**Bridge**

Wake Co. B-5237 DIVISION	42838.3.1, BRZ-2703(1) Replace Bridge #248 over Mahler's Creek on SR 2703 (New Bethel Church Road) in Garner. \$3,714,045.00 has previously been approved for construction. Funds need to be decreased (\$397,860.00). These funds will be replaced with nonparticipating State funds.	(\$397,860.00) Cost (\$318,288.00) Fed. (\$79,572.00) State
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**Safety**

Durham Co. SR-5001C DIVISION	40924.3.4, SRS-0505(028) Sidewalks along SR 1118 (Fayetteville Street) between Homeland Avenue and SR 1158 (Cornwallis Road) in Durham. \$500,900.00 has previously been approved for construction. Funds need to be decreased (\$138,544.00) to align funding with the local agreement. Work associated with this WBS is complete. This WBS will be closed. <b>This is a Safe Routes to School project.</b>	(\$138,544.00) Cost (\$113,047.00) Fed. (\$25,497.00) Local
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**NCDOT November 2020 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 6**

**Enhancement**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Harnett Co. ER-5600FM DIVISION	46305.3.54, Federal No. 0401306 Landscape plantings along US 401 / NC 210 (South Main Street) from Harnett Street to US 421 (Front Street) in Lillington. \$170,000.00 has previously been approved for vegetation management. Additional funds are needed as requested.	\$42,100.00 Cost \$33,680.00 Fed. \$8,420.00 State



**NCDOT November 2020 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 7**

**Urban**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Alamance Co. U-3109B REGIONAL	34900.3.4, STP-0119(8) NC 119 relocation from north of US 70 to south of SR 1918 (Mrs. White Road) in Mebane. \$9,189,804.00 has previously been approved for construction. Funds need to be decreased (\$4,628,241.00). These funds will be replaced with nonparticipating State funds. This request is pending approval by the Federal Highway Administration (FHWA).	(\$4,628,241.00) Cost (\$3,702,593.00) Fed. (\$925,648.00) State
Alamance Co. U-6015 DIVISION	47160.3.1, STBG-0701(036) Burlington-Graham Signal System Upgrade. \$9,129,152.00 has previously been approved for construction. Funds need to be decreased (\$5,420,986.00). These funds will be replaced with nonparticipating State funds. This request is pending approval by the Federal Highway Administration (FHWA).	(\$5,420,986.00) Cost (\$4,336,789.00) Fed. (\$1,084,197.00) State

**Bridge**

Guilford Co. B-5345 DIVISION	46059.1.1, BRSTP-2136(5) Replace Bridge #456 over Brush Creek on SR 2136 (Fleming Road). \$212,561.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. Work associated with this WBS is complete. This WBS will be closed.	\$322,930.00 Cost \$258,344.00 Fed. \$64,586.00 State
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**Bicycle and Pedestrian**

Guilford Co. EB-5517 EXEMPT	50033.3.1, STPEB-0710(031) Sidewalks along SR 1545 (East Fork Road) in Jamestown, including a pedestrian bridge over the East Fork of High Point City Lake. \$1,200,000.00 has previously been approved for construction. Additional funds are needed to align funding with the local agreement. This is a Strategic Transportation Investments (STI) Transition project.	\$511,459.00 Cost \$409,167.00 Fed. \$102,292.00 State
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**NCDOT November 2020 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 7 (Continued)**

**Bicycle and Pedestrian**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Guilford Co. EB-5716 DIVISION	50412.3.1, SRS-0708(075) Sidewalks along Holden Road and Lindsay Street in Greensboro. \$424,000.00 has previously been approved for construction. Additional funds are needed to align funding with the local agreement.	\$995,514.00 Cost \$796,411.00 Fed. \$199,103.00 Local

**NCDOT November 2020 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 9**

**Interstate**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Davie/ Forsyth Co. I-0911A REGIONAL	34147.3.4, NHIMF-40-3(112)180 I-40 from 0.3 mile west of NC 801 in Davie County to 0.3 mile west of SR 1101 (Harper Road) in Forsyth County. \$81,127,200.00 has previously been approved for construction. Funds need to be decreased (\$25,389,461.00). These funds will be replaced with nonparticipating State funds. This request is pending approval by the Federal Highway Administration (FHWA).	(\$25,389,461.00) Cost (\$20,311,569.00) Fed. (\$5,077,892.00) State

**Urban**

Forsyth Co. U-2579C REGIONAL	34839.3.GV6, NHP-0918(062) Winston-Salem Northern Beltway (Eastern Section) from US 311 to US 158. \$40,208,706.00 has previously been approved for construction. Funds need to be decreased (\$8,280,000.00). These funds will be replaced with nonparticipating State funds.	(\$8,280,000.00) Cost (\$6,624,000.00) Fed. (\$1,656,000.00) State
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**NCDOT November 2020 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 10**

**Congestion Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Cabarrus Co. C-4918A EXEMPT	44018.1.1, CMS-1004(32) Intersection improvements at SR 1394 (Poplar Tent Road) and US 29 in Concord. \$125,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$125,000.00). Preliminary engineering for this project was completed with local funds. This WBS will be closed.	(\$125,000.00) Cost (\$100,000.00) Fed. (\$25,000.00) Local

**Urban**

Union Co. U-3467 REGIONAL	39019.1.1, STP-1316(10) SR 1316 (Rea Road Extension) from NC 16 to SR 1008 (Waxhaw Indian Trail Road) in Wesley Chapel. \$1,300,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$3,682,280.00 Cost \$2,945,824.00 Fed. \$736,456.00 State
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**Bridge**

Cabarrus Co. B-5136 REGIONAL	42295.3.FR1, BRSTP-0029(43) Replace Bridge #66 and Bridge #69 over the Norfolk Southern Railroad on US 29 / US 601. \$16,126,411.00 has previously been approved for construction. Funds need to be decreased (\$2,167,074.00). These funds will be replaced with nonparticipating State funds.	(\$2,167,074.00) Cost (\$1,733,660.00) Fed. (\$433,414.00) State
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**NCDOT November 2020 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 12**

**Urban**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Gaston Co. U-3633 REGIONAL	37649.3.3, STP-0273(1) NC 273 (South Main Street) from Tuckaseegee Road to Highland Street in Mount Holly. \$17,346,280.50 has previously been approved for construction. Funds need to be decreased (\$4,178,267.00). These funds will be replaced with nonparticipating State funds. This request is pending approval by the Federal Highway Administration (FHWA).	(\$4,178,267.00) Cost (\$3,342,614.00) Fed. (\$835,653.00) State

**Safety**

Gaston Co. W-5212N REGIONAL	45342.3.14, HSIP-0279(10) NC 279 (Dallas Cherryville Highway) from south of SR 1438 (St. Marks Church Road) to north of NC 275 (Dallas Bessemer City Highway). \$17,990,252.00 has previously been approved for construction. Funds need to be decreased (\$11,219,719.00). These funds will be replaced with nonparticipating State funds.	(\$11,219,719.00) Cost (\$8,975,776.00) Fed. (\$2,243,943.00) State
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**Rural**

Catawba Co. R-3100A DIVISION	34522.3.5, STP-0016(52) NC 16 from north of SR 1814 (Caldwell Road) to SR 1895 (Tower Road). \$50,710,146.38 has previously been approved for construction. Funds need to be decreased (\$19,328,762.00). These funds will be replaced with nonparticipating State funds.	(\$19,328,762.00) Cost (\$15,463,010.00) Fed. (\$3,865,752.00) State
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**NCDOT November 2020 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 13**

**Bridge**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Madison Co. B-6012 DIVISION	48207.3.1, BRZ-1341(004) Replace Bridge #73 over Foster Creek on SR 1341 (Foster Creek Road). \$4,746,050.00 has previously been approved for construction. Funds need to be decreased (\$3,450,148.00). These funds will be replaced with nonparticipating State funds.	(\$3,450,148.00) Cost (\$2,760,119.00) Fed. (\$690,029.00) State

## REVISIONS TO THE 2020-2029 STIP

### HIGHWAY PROGRAM STIP ADDITIONS

#### DIVISION 3

* U-5735A ON SLOW PROJ.CATEGORY EXEMPT	US 17 (WILMINGTON HIGHWAY), ROADWAY IMPROVEMENTS TO DOUGLAS GATE ENTRANCE.	CONSTRUCTION	2021	<u>\$1,075,000</u> \$1,075,000	(O)
	<u><b>PROJECT ADDED AT REQUEST OF DIVISION AND CAMP LEJEUNE. "O" FUNDS REPRESENT DEPARTMENT OF DEFENSE FUNDS.</b></u>				

#### DIVISION 5

* HL-0006 WAKE PROJ.CATEGORY EXEMPT	US 401, SR 1393 (HILLTOP-NEEDMORE ROAD) / SR 2751 (HILLTOP ROAD) / SR 2752 (AIR PARK ROAD) INTERSECTION AND SR 1375 (LAKE WHEELER ROAD) INTERSECTION IN FUQUAY-VARINA. CONVERT TO REDUCED-CONFLICT INTERSECTIONS AND REALIGN SR 2751 TO INTERSECT OPPOSITE SR 1375.	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2024 - FY 2024 - FY 2025 -	<u>\$3,000,000</u> <u>\$1,000,000</u> <u>\$9,000,000</u>	(NHPBA) (NHPBA) (NHPBA)
				\$13,000,000	
	<u><b>PROJECT ADDED AT REQUEST OF MPO TO APPLY BONUS ALLOCATION.</b></u>				

* HL-0007 WAKE PROJ.CATEGORY EXEMPT	NC 55, SR 1191 (TECHNOLOGY DRIVE) / SR 6107 (EAST WILLIAMS STREET) IN APEX. CONVERT INTERSECTION TO INTERCHANGE.	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2024 - FY 2024 - FY 2025 - FY 2026 -	<u>\$5,600,000</u> <u>\$1,000,000</u> <u>\$10,850,000</u> <u>\$10,850,000</u>	(NHPBA) (NHPBA) (NHPBA) (NHPBA)
				\$28,300,000	
	<u><b>PROJECT ADDED AT REQUEST OF MPO TO APPLY BONUS ALLOCATION.</b></u>				

* HL-0008 FRANKLIN GRANVILLE HARNETT JOHNSTON WAKE PROJ.CATEGORY EXEMPT	VARIOUS, INTERSECTION IMPROVEMENTS AT MULTIPLE LOCATIONS WITHIN THE CAPITAL AREA METROPOLITAN PLANNING ORGANIZATION (CAMPO) BOUNDARY.				
	<u><b>PROJECT ADDED AT REQUEST OF MPO TO APPLY BONUS ALLOCATION. PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY.</b></u>				

* HO-0001 WAKE PROJ.CATEGORY EXEMPT	VARIOUS, NCDOT MULTIMODAL CONNECTED VEHICLE PILOT PROGRAM, NORTH CAROLINA STATE UNIVERSITY CAMPUS IN RALEIGH.	ENGINEERING	FY 2021 - FY 2021 - FY 2022 - FY 2022 - FY 2023 - FY 2024 -	<u>\$64,000</u> <u>\$201,000</u> <u>\$45,000</u> <u>\$46,000</u> <u>\$87,000</u> <u>\$94,000</u>	(DP) (S) (S) (S) (S) (S)
		CONSTRUCTION		\$537,000	
	<u><b>PROJECT ADDED AT REQUEST OF TRANSPORTATION MOBILITY AND SAFETY DIVISION, TO UTILIZE FEDERAL ADVANCED TRANSPORTATION AND CONGESTION MANAGEMENT TECHNOLOGIES DEPLOYMENT (ATCMTD) PROGRAM FUNDS. SEE FOLLOWING ENTRIES FOR PROJECT BREAKS.</b></u>				

## REVISIONS TO THE 2020-2029 STIP

### HIGHWAY PROGRAM STIP ADDITIONS

#### DIVISION 5

* HO-0001A	NCDOT MULTIMODAL CONNECTED VEHICLE PILOT PROGRAM, NORTH CAROLINA STATE UNIVERSITY	ENGINEERING	FY 2021 -	\$85,000	(DP)
WAKE	CAMPUS IN RALEIGH. CONNECTED VEHICLE		FY 2021 -	\$84,000	(S)
PROJ.CATEGORY	INFRASTRUCTURE, TRAFFIC SIGNAL SYSTEM		FY 2022 -	\$70,000	(DP)
EXEMPT	IMPROVEMENTS, SAFETY APPLICATION, TRANSIT		FY 2022 -	\$70,000	(S)
	SIGNAL PRIORITY APPLICATION, DATA COLLECTION		FY 2023 -	\$37,000	(DP)
	AND MANAGEMENT, ECO DRIVING APPLICATION.		FY 2023 -	\$37,000	(S)
	<u>PROJECT ADDED AT REQUEST OF TRANSPORTATION</u>	RIGHT-OF-WAY	FY 2022 -	\$24,000	(DP)
	<u>MOBILITY AND SAFETY DIVISION, TO UTILIZE FEDERAL</u>		FY 2022 -	\$24,000	(S)
	<u>ADVANCED TRANSPORTATION AND CONGESTION</u>	CONSTRUCTION	FY 2021 -	\$804,000	(DP)
	<u>MANAGEMENT TECHNOLOGIES DEPLOYMENT</u>		FY 2021 -	\$804,000	(S)
	<u>(ATCMTD) PROGRAM FUNDS.</u>		FY 2022 -	\$431,000	(DP)
			FY 2022 -	\$430,000	(S)
			FY 2023 -	\$282,000	(DP)
			FY 2023 -	\$282,000	(S)
			FY 2024 -	\$71,000	(DP)
			FY 2024 -	\$70,000	(S)
				\$3,605,000	

* HO-0001B	NCDOT MULTIMODAL CONNECTED VEHICLE PILOT PROGRAM, NORTH CAROLINA STATE UNIVERSITY	ENGINEERING	FY 2021 -	\$25,000	(DP)
WAKE	CAMPUS IN RALEIGH. SYSTEMS ENGINEERING, GRANT		FY 2021 -	\$125,000	(S)
PROJ.CATEGORY	ADMINISTRATION		FY 2022 -	\$15,000	(DP)
EXEMPT	<u>PROJECT ADDED AT REQUEST OF TRANSPORTATION</u>		FY 2022 -	\$15,000	(S)
	<u>MOBILITY AND SAFETY DIVISION, TO UTILIZE FEDERAL</u>		FY 2023 -	\$5,000	(DP)
	<u>ADVANCED TRANSPORTATION AND CONGESTION</u>		FY 2023 -	\$5,000	(S)
	<u>MANAGEMENT TECHNOLOGIES DEPLOYMENT</u>		FY 2024 -	\$5,000	(DP)
	<u>(ATCMTD) PROGRAM FUNDS.</u>		FY 2024 -	\$5,000	(S)
				\$200,000	

* HO-0001C	NCDOT MULTIMODAL CONNECTED VEHICLE PILOT PROGRAM, NORTH CAROLINA STATE UNIVERSITY	ENGINEERING	FY 2021 -	\$30,000	(DP)
WAKE	CAMPUS IN RALEIGH.BEFORE & AFTER STUDY,		FY 2021 -	\$30,000	(S)
PROJ.CATEGORY	EXPANSION FEASIBILITY STUDY		FY 2022 -	\$13,000	(DP)
EXEMPT	<u>PROJECT ADDED AT REQUEST OF TRANSPORTATION</u>		FY 2022 -	\$12,000	(S)
	<u>MOBILITY AND SAFETY DIVISION, TO UTILIZE FEDERAL</u>		FY 2023 -	\$87,000	(DP)
	<u>ADVANCED TRANSPORTATION AND CONGESTION</u>		FY 2023 -	\$88,000	(S)
	<u>MANAGEMENT TECHNOLOGIES DEPLOYMENT</u>		FY 2024 -	\$25,000	(DP)
	<u>(ATCMTD) PROGRAM FUNDS.</u>		FY 2024 -	\$25,000	(S)
				\$310,000	

#### DIVISION 6

* HO-0002C	US 74, I-95 IN LUMBERTON TO I-140 IN WILMINGTON.
BRUNSWICK	INSTALL BROADBAND.
COLUMBUS	<u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL</u>
ROBESON	<u>STUDY ONLY. FEDERAL INFRA GRANT PROJECT.</u>
PROJ.CATEGORY	
STATEWIDE	



## REVISIONS TO THE 2020-2029 STIP

### HIGHWAY PROGRAM STIP ADDITIONS

#### DIVISION 6

\* HO-0002D  
ANSON  
BRUNSWICK  
COLUMBUS  
RICHMOND  
ROBESON  
SCOTLAND  
UNION

PROJ.CATEGORY  
STATEWIDE

US 74, EASTERN END OF MONROE BYPASS TO I-140 IN WILMINGTON. VULNERABILITY ASSESSMENTS, INSTALLATION OF FLOOD GAUGES, AND FLOOD MONITORING.

**PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY. FEDERAL INFRA GRANT PROJECT.**

#### DIVISION 10

\* HO-0002B  
ANSON  
RICHMOND  
ROBESON  
SCOTLAND  
UNION

PROJ.CATEGORY  
STATEWIDE

US 74, EASTERN END OF MONROE BYPASS TO I-95 IN LUMBERTON. INSTALL BROADBAND AND ITS COMPONENTS INCLUDING CONNECTIONS TO SIGNAL SYSTEMS, DMS, AND CCTV.

**PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY. FEDERAL INFRA GRANT PROJECT.**

\* TA-4710  
MECKLENBURG  
PROJ.CATEGORY

CATS, REPLACEMENT BUS  
**ADD PROJECT TA-4710 TO STIP FOR FFY 2020-2023.**  
**PROJECT PREVIOUSLY IN PRIOR STIP, NEW PROJECT DEVELOPED FOR FEDERAL FUNDING AWARD.**  
**PROJECT ADDED AT THE REQUEST OF CRTPO MPO.**

CAPITAL

FY 2021 -	\$888,000	(S)
FY 2021 -	\$888,000	(L)
FY 2021 -	\$5,000,000	(5307)
FY 2021 -	\$2,100,000	(5339)
FY 2022 -	\$913,000	(S)
FY 2022 -	\$913,000	(L)
FY 2022 -	\$5,200,000	(5307)
FY 2022 -	\$2,100,000	(5339)
FY 2023 -	\$925,000	(S)
FY 2023 -	\$925,000	(L)
FY 2023 -	\$5,300,000	(5307)
FY 2023 -	<u>\$2,100,000</u>	(5339)
	\$27,252,000	

# REVISIONS TO THE 2020-2029 STIP

## HIGHWAY PROGRAM STIP ADDITIONS

### DIVISION 10

* TC-0014	CATS, EXPANSION VANPOOL	CAPITAL	FY 2021 -	\$17,000	(S)
MECKLENBURG	<u>ADD PROJECT TC-0014 TO STIP FOR FFY 2021. NEW</u>		FY 2021 -	\$17,000	(L)
PROJ.CATEGORY	<u>PROJECT DEVELOPED FOR FEDERAL FUNDING</u>		FY 2021 -	\$140,000	(5307)
	<u>AWARD. PROJECT ADDED AT THE REQUEST OF</u>			\$174,000	
	<u>CRTPO MPO.</u>				

* TP-5156	ADD A LIGHT RAIL STATION ON THE LYNX BLUE LINE	CAPITAL	2021	\$1,582,000	(L)
MECKLENBURG	NEAR IVERSON WAY IN SOUTH CHARLOTTE		2022	\$3,000,000	(L)
PROJ.CATEGORY	<u>ADD PROJECT TP-5156 TO STIP FOR FFY 2021-2023.</u>		2023	\$3,000,000	(L)
	<u>NEW PROJECT DEVELOPED FOR FEDERAL FUNDING</u>			\$7,582,000	
	<u>AWARD. PROJECT ADDED AT THE REQUEST OF</u>				
	<u>CRTPO MPO.</u>				

* TU-0001	CATS, LYNX SILVER LINE LIGHT RAIL PROJECT	PLANNING	FY 2020 -	\$7,647,000	(L)
MECKLENBURG	<u>ADD PROJECT TU-0001 TO STIP FOR FFY 2020-2022.</u>		FY 2020 -	\$1,353,000	(5307)
PROJ.CATEGORY	<u>NEW PROJECT DEVELOPED FOR FEDERAL FUNDING</u>		FY 2021 -	\$21,175,000	(L)
	<u>AWARD. PROJECT ADDED AT THE REQUEST OF</u>		FY 2022 -	\$19,825,000	(L)
	<u>CRTPO MPO.</u>			\$50,000,000	

### DIVISION 12

* HO-0002A	US 74, I-40 IN ASHEVILLE TO I-77 AT I-485 (SOUTH) IN
BUNCOMBE	CHARLOTTE. INSTALL BROADBAND.
CLEVELAND	<u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL</u>
GASTON	<u>STUDY ONLY. FEDERAL INFRA GRANT PROJECT.</u>
HENDERSON	
MECKLENBURG	
POLK	
RUTHERFORD	
PROJ.CATEGORY	
STATEWIDE	

## REVISIONS TO THE 2020-2029 STIP

### HIGHWAY PROGRAM STIP ADDITIONS

#### STATEWIDE

* HB-9999	BRIDGE INSPECTION PROGRAM.	IMPLEMENTATION	FY 2021 -	\$26,000,000	(BG)
STATEWIDE	<u>PROJECT ADDED AT REQUEST OF STRUCTURES</u>		FY 2022 -	\$26,000,000	(BG)
PROJ.CATEGORY	<u>MANAGEMENT UNIT. PROJECT WILL REPLACE B-9999.</u>		FY 2023 -	\$26,000,000	(BG)
STATEWIDE			FY 2024 -	\$26,000,000	(BG)
REGIONAL			FY 2025 -	\$26,000,000	(BG)
DIVISION			FY 2026 -	\$26,000,000	(BG)
			FY 2027 -	\$26,000,000	(BG)
			FY 2028 -	\$26,000,000	(BG)
			FY 2029 -	\$26,000,000	(BG)
				\$234,000,000	

### STIP MODIFICATIONS

#### DIVISION 3

* AV-5795	WILMINGTON INTERNATIONAL (ILM), EXPAND THE	CONSTRUCTION	FY 2029 -	\$500,000	(T)
NEW HANOVER	GENERAL AVIATION APRON.		FY 2029 -	\$800,000	(O)
PROJ.CATEGORY	<u>AT REQUEST OF DIVISION OF AVIATION, DELAY</u>			\$1,300,000	
STATEWIDE	<u>CONSTRUCTION FROM FY 22 TO FY 29.</u>				

* AV-5798	WILMINGTON INTERNATIONAL (ILM), TAXIWAY	CONSTRUCTION	FY 2028 -	\$500,000	(T)
NEW HANOVER	IMPROVEMENTS.		FY 2028 -	\$5,100,000	(O)
PROJ.CATEGORY	<u>AT REQUEST OF DIVISION OF AVIATION, DELAY</u>			\$5,600,000	
STATEWIDE	<u>CONSTRUCTION FROM FY 21 TO FY 28.</u>				

EB-6027	SR 1403 (MIDDLE SOUND LOOP), CONSTRUCT MULTI-	RIGHT-OF-WAY	FY 2021 -	\$500,000	(L)
NEW HANOVER	USE PATH SOUTH OF MARKET STREET FROM RED	CONSTRUCTION	FY 2021 -	\$1,000,000	(L)
PROJ.CATEGORY	CEDAR ROAD TO EXISTING TRAIL AT CORNER OF			\$1,500,000	
DIVISION	MARKET STREET AND MIDDLE SOUND LOOP ROAD.				
	<u>DESCRIPTION REVISED AT THE REQUEST OF THE</u>				
	<u>MPO.</u>				

U-5787	SR 2715 (TRADE STREET), NC 53 (WESTERN	RIGHT-OF-WAY	FY 2022 -	\$82,000	(T)
ONslow	BOULEVARD) TO MCDANIEL DRIVE IN JACKSONVILLE.		FY 2023 -	\$1,566,000	(T)
PROJ.CATEGORY	CONSTRUCT ROADWAY ON NEW LOCATION.	UTILITIES	FY 2022 -	\$198,000	(T)
DIVISION	<u>TO ASSIST IN BALANCING FUNDS, DELAY RIGHT-OF-</u>	CONSTRUCTION	FY 2024 -	\$1,511,000	(T)
	<u>WAY FROM FY 20 TO FY 22 AND CONSTRUCTION</u>			\$3,357,000	
	<u>FROM FY 22 TO FY 24.</u>				



## REVISIONS TO THE 2020-2029 STIP

### HIGHWAY PROGRAM STIP MODIFICATIONS

#### DIVISION 4

* U-5725	NC 125, I-95 TO SR 1745 (OLD FARM ROAD). WIDEN TO	ENGINEERING	FY 2021 -	\$142,000	(T)
HALIFAX	MULTI-LANES.		FY 2022 -	\$142,000	(T)
PROJ.CATEGORY	<u>PROJECT TO UTILIZE BUILD NC BONDS</u>		FY 2023 -	\$142,000	(T)
DIVISION			FY 2024 -	\$142,000	(T)
			FY 2025 -	\$142,000	(T)
			FY 2026 -	\$142,000	(T)
			FY 2027 -	\$142,000	(T)
			FY 2028 -	\$142,000	(T)
			FY 2029 -	\$142,000	(T)
			POST YR-	\$852,000	(T)
		BUILD NC CON	FY 2021 -	\$1,166,000	(T)
			FY 2022 -	\$1,166,000	(T)
			FY 2023 -	\$1,166,000	(T)
			FY 2024 -	\$1,166,000	(T)
			FY 2025 -	\$1,166,000	(T)
			FY 2026 -	\$1,166,000	(T)
			FY 2027 -	\$1,166,000	(T)
			FY 2028 -	\$1,166,000	(T)
			FY 2029 -	\$1,166,000	(T)
			POST YR-	\$6,996,000	(T)
		CONSTRUCTION	FY 2020 -	\$4,456,000	(T)
			FY 2021 -	\$4,456,000	(T)
				\$28,532,000	

#### DIVISION 5

P-5737	CSX S LINE, SR 2108 (MILLBROOK ROAD) IN RALEIGH.	RIGHT-OF-WAY	FY 2021 -	\$3,700,000	(T)
WAKE	CONSTRUCT GRADE SEPARATION AND CLOSE	CONSTRUCTION	FY 2023 -	\$10,000,000	(DP)
PROJ.CATEGORY	CROSSING 630605A.		FY 2023 -	\$3,620,000	(T)
STATEWIDE	<u>FOR STRATEGIC LETTING PURPOSES DELAY</u>		FY 2023 -	\$510,000	(O)
	<u>CONSTRUCTION FROM FY 21 TO FY 23.</u>			\$17,830,000	

#### DIVISION 7

C-5555E	SR 1546 (COLLEGE ROAD) AND SR 2179 (NEW GARDEN	CONSTRUCTION	FY 2021 -	\$200,000	(CMAQ)
GUILFORD	ROAD) IN GREENSBORO. CONSTRUCT SIDEWALKS.		FY 2021 -	\$600,000	(BGDA)
PROJ.CATEGORY	<u>TO REFLECT CURRENT DELIVERY SCHEDULES,</u>		FY 2021 -	\$200,000	(L)
EXEMPT	<u>DELAY CONSTRUCTION FROM FY 20 TO FY 21 AT</u>			\$1,000,000	
	<u>REQUEST OF MPO.</u>				

## REVISIONS TO THE 2020-2029 STIP

### HIGHWAY PROGRAM STIP MODIFICATIONS

#### DIVISION 7

C-5650	SR 1919 (SMITH LEVEL ROAD / S. GREENSBORO ST),	RIGHT-OF-WAY	FY 2021 -	\$100,000	(BGANY)
ORANGE	PUBLIC WORKS DRIVE TO N. END OF OLD PITTSBORO		FY 2021 -	\$25,000	(L)
<b>PROJ.CATEGORY</b>	ROAD IN CARRBORO. CONSTRUCT 3,100 LF SIDEWALK	CONSTRUCTION	FY 2022 -	\$440,000	(CMAQ)
DIVISION	ON ONE SIDE.		FY 2022 -	\$530,000	(BGANY)
	<u><b>TO ALLOW ADDITIONAL TIME FOR PLANNING, DELAY</b></u>		FY 2022 -	\$748,000	(L)
	<u><b>RIGHT-OF-WAY FROM FY 20 TO FY 21 AND</b></u>				
	<u><b>CONSTRUCTION FROM FY 21 TO FY 22.</b></u>			\$1,843,000	

* TA-6714	GTA, ELECTRIC VEHICLE AND CHARGING	CAPITAL	FY 2020 -	\$102,000	(L)
GUILFORD	INFRASTRUCTURE		FY 2020 -	\$578,000	(5339)
<b>PROJ.CATEGORY</b>	<u><b>FUNDING ADDED TO FY 21 AT THE REQUEST OF</b></u>		FY 2021 -	\$191,000	(CMAQ)
	<u><b>GREENSBORO MPO</b></u>		FY 2021 -	\$502,000	(O)
			FY 2021 -	\$167,000	(L)
				\$1,540,000	

* U-5532	VARIOUS, GREENSBORO URBAN AREA MPO: BICYCLE,	CONSTRUCTION	FY 2021 -	\$500,000	(BGANY)
GUILFORD	PEDESTRIAN, AND TRANSPORTATION ALTERNATIVES		FY 2021 -	\$4,000,000	(BGDA)
<b>PROJ.CATEGORY</b>	PROGRAM (TAP)-ELIGIBLE PROJECTS		FY 2021 -	\$512,000	(TAANY)
DIVISION	<u><b>TO REFLECT CURRENT DELIVERY SCHEDULES, ADD</b></u>		FY 2021 -	\$250,000	(TADA)
	<u><b>CONSTRUCTION IN FY 21 NOT PREVIOUSLY</b></u>		FY 2021 -	\$1,315,500	(L)
	<u><b>PROGRAMMED, AT REQUEST OF MPO.</b></u>			\$6,577,500	

#### DIVISION 9

EB-5722	NC 67 (SILAS CREEK PARKWAY), BOLTON STREET TO	RIGHT-OF-WAY	FY 2021 -	\$728,000	(BGANY)
FORSYTH	LOCKLAND AVENUE IN WINSTON-SALEM. CONSTRUCT		FY 2021 -	\$182,000	(L)
<b>PROJ.CATEGORY</b>	SIDEWALK ON NORTH SIDE TO CONNECT EXISTING	CONSTRUCTION	FY 2022 -	\$102,000	(BGDA)
DIVISION	SECTIONS.		FY 2022 -	\$360,000	(TAANY)
	<u><b>DELAY RIGHT-OF-WAY FROM FY 20 TO FY 21 AND</b></u>		FY 2022 -	\$116,000	(L)
	<u><b>CONSTRUCTION FROM FY 21 TO FY 22 AT REQUEST</b></u>			\$1,488,000	
	<u><b>OF MPO.</b></u>				

EB-5810	BARBARA JANE AVENUE, OLD GREENSBORO ROAD TO	CONSTRUCTION	FY 2022 -	\$5,000	(BGDA)
FORSYTH	WOODROW POWELL DRIVE IN WINSTON-SALEM.		FY 2022 -	\$176,000	(TAANY)
<b>PROJ.CATEGORY</b>	CONSTRUCT SIDEWALK.		FY 2022 -	\$45,000	(L)
DIVISION	<u><b>DELAY CONSTRUCTION FROM FY 20 TO FY 22 AT</b></u>			\$226,000	
	<u><b>REQUEST OF MPO.</b></u>				

## REVISIONS TO THE 2020-2029 STIP

### HIGHWAY PROGRAM STIP MODIFICATIONS

#### DIVISION 9

EB-5952 FORSYTH PROJ.CATEGORY DIVISION	FAIRLAWN DRIVE, NC 67 (REYNOLDA ROAD) TO SR 1528 (SILAS CREEK PKWY) IN WINSTON-SALEM. CONSTRUCT SIDEWALK. <u><b>DELAY RIGHT-OF-WAY FROM FY 20 TO FY 21 AND CONSTRUCTION FROM FY 21 TO FY 23 AT REQUEST OF MPO.</b></u>	RIGHT-OF-WAY  CONSTRUCTION	FY 2021 - \$198,000 (BGANY) FY 2021 - \$50,000 (L) FY 2023 - \$593,000 (BGDA) FY 2023 - \$148,000 (L) \$989,000
EB-5953 FORSYTH PROJ.CATEGORY DIVISION	SR 4000 (UNIVERSITY PARKWAY), SR-1686 (SHATTALON DRIVE) TO ROBIN WOOD LANE IN WINSTON-SALEM. CONSTRUCT SIDEWALK. <u><b>DELAY CONSTRUCTION FROM FY 21 TO FY 22 AT REQUEST OF MPO.</b></u>	CONSTRUCTION	FY 2022 - \$508,000 (BGDA) FY 2022 - \$127,000 (L) \$635,000
EB-5954 FORSYTH PROJ.CATEGORY DIVISION	GRIFFITH ROAD, KIMWELL DRIVE TO BURKE MILL ROAD IN WINSTON-SALEM. CONSTRUCT SIDEWALK. <u><b>DELAY CONSTRUCTION FROM FY 21 TO FY 22 AT REQUEST OF MPO.</b></u>	RIGHT-OF-WAY  CONSTRUCTION	FY 2021 - \$34,000 (BGANY) FY 2021 - \$8,000 (L) FY 2022 - \$1,296,000 (BGANY) FY 2022 - \$324,000 (L) \$1,662,000
EB-5955 FORSYTH PROJ.CATEGORY DIVISION	SR 1348 (ROBINHOOD ROAD), SPEAKS FARM ROAD TO MUDDY CREEK GREENWAY IN WINSTON-SALEM. CONSTRUCT SIDEWALK. <u><b>DELAY RIGHT-OF-WAY FROM FY 20 TO FY 21 AND CONSTRUCTION FROM FY 21 TO FY 22 AT REQUEST OF MPO.</b></u>	RIGHT-OF-WAY  CONSTRUCTION	FY 2021 - \$53,000 (BGANY) FY 2021 - \$13,000 (L) FY 2022 - \$376,000 (BGANY) FY 2022 - \$94,000 (L) \$536,000
EB-5956 FORSYTH PROJ.CATEGORY DIVISION	SR 1992 (SULLIVANTOWN ROAD), US 311 AT HARLEY DRIVE TO WALKERTOWN HIGH/MIDDLE SCHOOL IN WALKERTOWN. INSTALL BICYCLE AND PEDESTRIAN FACILITIES AND CONSTRUCT SIDEWALK. <u><b>DELAY RIGHT-OF-WAY AND CONSTRUCTION FROM FY 20 TO FY 22 AT REQUEST OF MPO.</b></u>	RIGHT-OF-WAY  CONSTRUCTION	FY 2022 - \$8,000 (BGANY) FY 2022 - \$2,000 (L) FY 2022 - \$440,000 (BGDA) FY 2022 - \$110,000 (L) \$560,000

## REVISIONS TO THE 2020-2029 STIP

### HIGHWAY PROGRAM STIP MODIFICATIONS

#### DIVISION 9

EB-5957 FORSYTH PROJ.CATEGORY DIVISION	SR 2648 (OLD WINSTON ROAD), EXISTING SIDEWALK ACROSS FROM SEVENTH DAY ADVENTIST CHURCH PARKING LOT TO HOPKINS ROAD IN KERNERSVILLE. CONSTRUCT SIDEWALK ON SOUTH SIDE.	RIGHT-OF-WAY	FY 2021 -	\$29,000	(BGANY)
			FY 2021 -	\$7,000	(L)
		CONSTRUCTION	FY 2022 -	\$186,000	(BGDA)
			FY 2022 -	\$46,000	(L)
				<u>\$268,000</u>	
	<u><b>DELAY RIGHT-OF-WAY FROM FY 20 TO FY 21 AND CONSTRUCTION FROM FY 21 TO FY 22 AT REQUEST OF MPO.</b></u>				
* EB-5959 FORSYTH PROJ.CATEGORY DIVISION	SR 3000 (IDOLS ROAD), SR 1103 (MIDDLEBROOK DRIVE) TO TANGLEWOOD PARK ROAD IN CLEMMONS. CONSTRUCT SIDEWALK.	ENGINEERING	FY 2021 -	\$88,000	(BGDA)
			FY 2021 -	\$22,000	(L)
		CONSTRUCTION	FY 2022 -	\$202,000	(BGANY)
			FY 2022 -	\$516,000	(BGDA)
			FY 2022 -	<u>\$179,000</u>	(L)
				<u>\$1,007,000</u>	
	<u><b>ADD PRELIMINARY ENGINEERING IN FY 21 NOT PREVIOUSLY PROGRAMMED. DELAY CONSTRUCTION FROM FY 21 TO FY 22 AT REQUEST OF MPO.</b></u>				
* EB-5960 FORSYTH PROJ.CATEGORY DIVISION	SR 1101 (HARPER ROAD), CONSTRUCT SIDEWALK AND CROSSWALKS WHERE GAPS EXIST BETWEEN JERRY LONG YMCA ON PEACEHAVEN ROAD TO ROUNDABOUT WEST OF FRANK MORGAN ELEMENTARY SCHOOL IN CLEMMONS.	ENGINEERING	FY 2021 -	\$100,000	(BGANY)
			FY 2021 -	\$25,000	(L)
		CONSTRUCTION	FY 2022 -	\$130,000	(BGANY)
			FY 2022 -	\$771,000	(BGDA)
			FY 2022 -	<u>\$225,000</u>	(L)
				<u>\$1,251,000</u>	
	<u><b>ADD PRELIMINARY ENGINEERING IN FY 21 NOT PREVIOUSLY PROGRAMMED. DELAY CONSTRUCTION FROM FY 21 TO FY 22 AT REQUEST OF MPO.</b></u>				
P-5726 ROWAN PROJ.CATEGORY REGIONAL	NORFOLK SOUTHERN, NS MAINLINE IN ROWAN COUNTY. CONSTRUCT TRACK IMPROVEMENTS, SECOND PLATFORM, PEDESTRIAN UNDERPASS, SITEWORK, RETAINING WALL AND SIGNAL EQUIPMENT.	CONSTRUCTION	FY 2022 -	\$269,000	(T)
			FY 2022 -	\$780,000	(O)
			FY 2023 -	\$2,691,000	(T)
			FY 2024 -	<u>\$2,691,000</u>	(T)
				<u>\$6,431,000</u>	
	<u><b>TO ASSIST IN BALANCING FUNDS, DELAY CONSTRUCTION FROM FY 21 TO FY 22.</b></u>				
U-6154 FORSYTH PROJ.CATEGORY DIVISION	SR 1308 (LEWISVILLE-VIENNA ROAD), SR 1348 (ROBINHOOD ROAD) IN LEWISVILLE. CONVERT EXISTING SIGNALIZED INTERSECTION TO A SINGLE LANE ROUNDABOUT.	RIGHT-OF-WAY	FY 2021 -	\$200,000	(BGANY)
			FY 2021 -	\$50,000	(L)
		CONSTRUCTION	FY 2022 -	\$720,000	(BGDA)
			FY 2022 -	<u>\$180,000</u>	(L)
				<u>\$1,150,000</u>	
	<u><b>DELAY CONSTRUCTION FROM FY 21 TO FY 22 AT REQUEST OF MPO.</b></u>				



# REVISIONS TO THE 2020-2029 STIP

## HIGHWAY PROGRAM STIP MODIFICATIONS

### DIVISION 10

* TA-4960	CHARLOTTE AREA TRANSIT SYSTEM, REPLACEMENT	ACQUISITION	FY 2020 -	\$50,000	(S)
MECKLENBURG	VAN - VANPOOL		FY 2020 -	\$50,000	(L)
PROJ.CATEGORY	<u>MODIFYING THE FEDERAL FUNDS RECEIVED FROM</u>		FY 2020 -	\$397,000	(5307)
	<u>FTA ADMINISTERED BY CATS BASED ON VARIOUS</u>		FY 2021 -	\$58,000	(S)
	<u>GRANTS.</u>		FY 2021 -	\$58,000	(L)
			FY 2021 -	\$463,000	(5307)
			FY 2022 -	\$53,000	(S)
			FY 2022 -	\$53,000	(L)
			FY 2022 -	\$421,000	(5307)
			FY 2023 -	\$54,000	(S)
			FY 2023 -	\$54,000	(L)
			FY 2023 -	\$434,000	(5307)
		CAPITAL	FY 2024 -	\$56,000	(S)
			FY 2024 -	\$56,000	(L)
			FY 2024 -	\$446,000	(5307)
			FY 2025 -	\$58,000	(S)
			FY 2025 -	\$58,000	(L)
			FY 2025 -	\$460,000	(5307)
				\$3,279,000	
* TG-4726	CHARLOTTE AREA TRANSIT SYSTEM, ROUTINE	CAPITAL	FY 2020 -	\$407,000	(L)
MECKLENBURG	CAPITAL - BUS STOP SHELTERS, BENCHES, SHOP		FY 2020 -	\$1,627,000	(5307)
PROJ.CATEGORY	EQUIPMENT, SPARE PARTS, ENGINES, FAREBOX, ETC		FY 2021 -	\$419,000	(L)
	<u>MODIFYING THE DESCRIPTION AT THE REQUEST OF</u>		FY 2021 -	\$1,676,000	(5307)
	<u>THE MPO/CATS. MODIFYING THE FEDERAL FUNDS</u>		FY 2022 -	\$654,000	(L)
	<u>RECEIVED FROM FTA ADMINISTERED BY CATS BASED</u>		FY 2022 -	\$2,614,000	(5307)
	<u>ON VARIOUS GRANTS.</u>		FY 2023 -	\$670,000	(L)
			FY 2023 -	\$2,680,000	(5307)
			FY 2024 -	\$670,000	(L)
			FY 2024 -	\$2,746,000	(5307)
			FY 2025 -	\$704,000	(L)
			FY 2025 -	\$2,815,000	(5307)
				\$17,682,000	
* TG-4827	CHARLOTTE AREA TRANSIT SYSTEM, ROUTINE	ACQUISITION	FY 2020 -	\$46,000	(L)
MECKLENBURG	CAPITAL - SERVICE VEHICLE		FY 2020 -	\$183,000	(5307)
PROJ.CATEGORY	<u>MODIFYING THE FEDERAL FUNDS RECEIVED FROM</u>		FY 2021 -	\$137,000	(L)
	<u>FTA ADMINISTERED BY CATS BASED ON VARIOUS</u>		FY 2021 -	\$548,000	(5307)
	<u>GRANTS</u>		FY 2022 -	\$106,000	(L)
			FY 2022 -	\$424,000	(5307)
			FY 2023 -	\$78,000	(L)
			FY 2023 -	\$313,000	(5307)
		CAPITAL	FY 2024 -	\$82,000	(L)
			FY 2024 -	\$331,000	(5307)
			FY 2025 -	\$82,000	(L)
			FY 2025 -	\$331,000	(5307)
				\$2,661,000	

# REVISIONS TO THE 2020-2029 STIP

## HIGHWAY PROGRAM STIP MODIFICATIONS

### DIVISION 10

* TG-5118A	CHARLOTTE AREA TRANSIT SYSTEM, STATE OF GOOD	CAPITAL	FY 2020 -	\$639,000	(L)
MECKLENBURG	REPAIR - RAIL		FY 2020 -	\$2,554,000	(5337)
PROJ.CATEGORY	<u>MODIFYING THE DESCRIPTION AT THE REQUEST OF</u>		FY 2021 -	\$1,577,000	(L)
	<u>THE MPO/CATS. MODIFYING THE FEDERAL FUNDS</u>		FY 2021 -	\$6,306,000	(5337)
	<u>RECEIVED FROM FTA ADMINISTERED BY CATS BASED</u>		FY 2022 -	\$667,000	(L)
	<u>ON VARIOUS GRANTS. FUNDING SOURCE OF FUND IS</u>		FY 2022 -	\$2,667,000	(5337)
	<u>5337</u>		FY 2023 -	\$687,000	(L)
			FY 2023 -	\$2,247,000	(5337)
			FY 2024 -	\$360,000	(S)
			FY 2024 -	\$360,000	(L)
			FY 2024 -	\$2,879,000	(5337)
			FY 2025 -	\$371,000	(S)
			FY 2025 -	\$371,000	(L)
			FY 2025 -	\$2,965,000	(5337)
			FY 2026 -	\$702,000	(S)
			FY 2026 -	\$702,000	(L)
			FY 2026 -	\$5,612,000	(5337)
			FY 2027 -	\$723,000	(S)
			FY 2027 -	\$723,000	(L)
			FY 2027 -	\$5,718,000	(5337)
			POST YR-	\$1,697,000	(S)
			POST YR-	\$1,697,000	(L)
			POST YR-	\$13,368,000	(5337)
				\$55,592,000	
* TG-5118B	CHARLOTTE AREA TRANSIT SYSTEM, LIGHT RAIL	CAPITAL	FY 2020 -	\$350,000	(L)
MECKLENBURG	VEHICLE OVERHAUL		FY 2020 -	\$1,401,000	(5307)
PROJ.CATEGORY	<u>MODIFYING THE FEDERAL FUNDS RECEIVED FROM</u>		FY 2021 -	\$603,000	(L)
	<u>FTA ADMINISTERED BY CATS BASED ON VARIOUS</u>		FY 2021 -	\$2,410,000	(5337)
	<u>GRANTS. FY 2021 FEDERAL FUNDING IS 5337. FY 2022-</u>		FY 2022 -	\$518,000	(L)
	<u>2024 FEDERAL FUNDING IS 5307</u>		FY 2022 -	\$2,070,000	(5307)
			FY 2023 -	\$565,000	(L)
			FY 2023 -	\$2,260,000	(5307)
			FY 2024 -	\$394,000	(L)
			FY 2024 -	\$1,577,000	(5307)
			FY 2025 -	\$406,000	(L)
			FY 2025 -	\$1,624,000	(5307)
				\$14,178,000	

## REVISIONS TO THE 2020-2029 STIP

### HIGHWAY PROGRAM STIP MODIFICATIONS

#### DIVISION 10

* TG-5119	CHARLOTTE AREA TRANSIT SYSTEM, PREVENTIVE	CAPITAL	FY 2020 -	\$1,851,000	(L)
MECKLENBURG	MAINTENANCE - RAIL, BUS AND FACILITIES		FY 2020 -	\$7,402,000	(5307)
PROJ.CATEGORY	<u>MODIFYING THE FEDERAL FUNDS RECEIVED FROM</u>		FY 2021 -	\$2,899,000	(L)
	<u>FTA ADMINISTERED BY CATS BASED ON VARIOUS</u>		FY 2021 -	\$11,596,000	(5307)
	<u>GRANTS.</u>		FY 2022 -	\$1,480,000	(L)
			FY 2022 -	\$5,918,000	(5307)
			FY 2023 -	\$1,525,000	(L)
			FY 2023 -	\$6,098,000	(5307)
			FY 2024 -	\$882,000	(L)
			FY 2024 -	\$3,528,000	(5307)
			FY 2025 -	\$882,000	(L)
			FY 2025 -	\$3,528,000	(5307)
				\$47,589,000	

#### DIVISION 11

B-5825	NC 67, REPLACE BRIDGE 980035 OVER YADKIN RIVER.	CONSTRUCTION	FY 2021 -	\$4,800,000	(T)
YADKIN	<u>ACCELERATE CONSTRUCTION FROM FY 23 TO FY 21</u>		FY 2022 -	\$4,800,000	(T)
PROJ.CATEGORY	<u>AT THE REQUEST OF STRUCTURES MANAGEMENT</u>		FY 2023 -	\$4,800,000	(T)
REGIONAL	<u>UNIT.</u>			\$14,400,000	
* I-5829A	I-77, MILE MARKER 91 TO MILE MARKER 95. DIAMOND	CONSTRUCTION	FY 2022 -	\$1,750,000	(T)
SURRY	GRINDING.			\$1,750,000	
PROJ.CATEGORY	<u>ADD SEGMENT A NOT PREVIOUSLY PROGRAMMED AT</u>				
STATEWIDE	<u>THE REQUEST OF DIVISION.</u>				
I-5864	I-77, MILEMARKER 71.8 TO MILEMARKER 75.8.	CONSTRUCTION	FY 2026 -	\$2,037,000	(BGIM)
YADKIN	PAVEMENT REHABILITATION.		FY 2027 -	\$2,037,000	(BGIM)
PROJ.CATEGORY	<u>ACCELERATE CONSTRUCTION FROM FY 27 TO FY 26</u>			\$4,074,000	
STATEWIDE	<u>TO ALIGN WITH I-5865 FOR COMBINED LETTING.</u>				
R-5896	US 601, NC 67 TO (SR 1502/1503) COUNTRY CLUB	RIGHT-OF-WAY	FY 2029 -	\$200,000	(T)
YADKIN	ROAD. MODERNIZE ROADWAY AND IMPROVE SR 1134		POST YR-	\$1,800,000	(T)
PROJ.CATEGORY	(MACKIE ROAD) INTERSECTION.	UTILITIES	FY 2029 -	\$300,000	(T)
REGIONAL	<u>ACCELERATE UTILITES FROM POST YEAR TO FY 29</u>	CONSTRUCTION	POST YR-	\$2,100,000	(T)
	<u>TO ALIGN WITH RIGHT-OF-WAY SCHEDULE.</u>			\$4,400,000	

## REVISIONS TO THE 2020-2029 STIP

### HIGHWAY PROGRAM STIP MODIFICATIONS

#### DIVISION 12

EB-5911 CATAWBA PROJ.CATEGORY DIVISION	OLD LENOIR ROAD MULTI-USE PATH, 9TH STREET NW TO HICKORY WATER PLANT. CONSTRUCT MULTI-USE PATH. <u>TO ASSIST IN BALANCING FUNDS, DELAY RIGHT-OF- WAY FROM FY 20 TO FY 21 AND CONSTRUCTION FROM FY 20 TO FY 21.</u>	RIGHT-OF-WAY  CONSTRUCTION	FY 2021 - \$964,000 (TAANY) FY 2021 - \$241,000 (L) FY 2021 - \$6,498,000 (TAANY) FY 2021 - <u>\$1,625,000</u> (L) \$9,328,000
EB-5937 CATAWBA PROJ.CATEGORY DIVISION	HICKORY, BOOK WALK. CONSTRUCT MULTI-USE PATH FROM CITY WALK TO RIDGEVIEW LIBRARY. <u>TO ASSIST IN BALANCING FUNDS, DELAY RIGHT-OF- WAY FROM FY 20 TO FY 21. ACCELERATE CONSTRUCTION FROM FY 22 TO FY 21 AT THE REQUEST OF MPO.</u>	RIGHT-OF-WAY  CONSTRUCTION	FY 2021 - \$180,000 (TADA) FY 2021 - \$45,000 (L) FY 2021 - \$1,500,000 (BGANY) FY 2021 - \$45,000 (BGDA) FY 2021 - <u>\$386,000</u> (L) \$2,156,000
EB-5938 CATAWBA PROJ.CATEGORY DIVISION	HICKORY, BOOK WALK SOUTH. CONSTRUCT MULTI- USE PATH FROM RIDGEVIEW LIBRARY TO WALMART. <u>TO ASSIST IN BALANCING FUNDS, DELAY RIGHT-OF- WAY FROM FY 20 TO FY 21. ACCELERATE CONSTRUCTION FROM FY 22 TO FY 21 AT THE REQUEST OF MPO.</u>	RIGHT-OF-WAY  CONSTRUCTION	FY 2021 - \$84,000 (TADA) FY 2021 - \$21,000 (L) FY 2021 - \$2,400,000 (BGANY) FY 2021 - \$116,000 (TADA) FY 2021 - <u>\$629,000</u> (L) \$3,250,000
EB-5977 CATAWBA PROJ.CATEGORY DIVISION	9TH STREET NW CONNECTOR, CITY WALK TO OLD LENOIR ROAD IN HICKORY. CONSTRUCT MULTI-USE TRAIL ALONG 9TH STREET NW. <u>TO ASSIST IN BALANCING FUNDS, DELAY RIGHT-OF- WAY FROM FY 20 TO FY 21 AND CONSTRUCTION FROM FY 20 TO FY 21.</u>	RIGHT-OF-WAY  CONSTRUCTION	FY 2021 - \$86,000 (BGDA) FY 2021 - \$22,000 (L) FY 2021 - \$1,168,000 (BGDA) FY 2021 - <u>\$292,000</u> (L) \$1,568,000

## REVISIONS TO THE 2020-2029 STIP

### HIGHWAY PROGRAM STIP MODIFICATIONS

#### DIVISION 12

* I-3819B IREDELL PROJ.CATEGORY STATEWIDE	I-40/I-77, FINAL I-40/I-77 INTERCHANGE IMPROVEMENTS BUILD NC CON <u>PROJECT TO UTILIZE BUILD NC BONDS</u>		FY 2021 - \$8,707,000 (T) FY 2022 - \$8,707,000 (T) FY 2023 - \$8,707,000 (T) FY 2024 - \$8,707,000 (T) FY 2025 - \$8,707,000 (T) FY 2026 - \$8,707,000 (T) FY 2027 - \$8,707,000 (T) FY 2028 - \$8,707,000 (T) FY 2029 - \$8,707,000 (T) POST YR- \$52,242,000 (T)
		CONSTRUCTION	FY 2020 - \$22,963,000 (T) FY 2021 - \$22,963,000 (T) FY 2022 - \$22,963,000 (T) FY 2023 - <u>\$22,964,000</u> (T) \$222,458,000

U-3608 GASTON PROJ.CATEGORY DIVISION	NC 7/SR 2903 (N MAIN STREET/BELMONT MT HOLLY ROAD), US 29/74 TO I-85. WIDEN TO CONSISTENT MULTI-LANE TYPICAL SECTION AND CONSTRUCT OPERATIONAL IMPROVEMENTS.	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2024 - \$460,000 (T) FY 2024 - \$55,000 (T) FY 2025 - \$2,300,000 (T) FY 2026 - <u>\$2,300,000</u> (T) \$5,115,000
	<u>ACCELERATE RIGHT-OF-WAY FROM FY 25 TO FY 24 AND CONSTRUCTION FROM FY 26 TO FY 25 TO ALIGN SCHEDULE WITH I-5719 FOR COMBINED LETTING. CHANGE PROCUREMENT TO PROGRESSIVE DESIGN-BUILD.</u>		

U-5800 GASTON PROJ.CATEGORY REGIONAL	NC 7, INTERSECTION OF NC 7/US 74 AND NC 7/US 29. CONSTRUCT NORTHBOUND THROUGH LANE AND INTERSECTION IMPROVEMENTS.	RIGHT-OF-WAY CONSTRUCTION	FY 2024 - \$1,430,000 (T) FY 2025 - \$1,430,000 (T) FY 2025 - \$2,000,000 (T) FY 2026 - <u>\$2,000,000</u> (T) \$6,860,000
	<u>ACCELERATE RIGHT-OF-WAY FROM FY 25 TO FY 24 AND CONSTRUCTION FROM FY 26 TO FY 25 TO ALIGN SCHEDULE WITH I-5719 FOR COMBINED LETTING. CHANGE PROCUREMENT TO PROGRESSIVE DESIGN-BUILD.</u>		

#### DIVISION 13

* B-5869 BURKE PROJ.CATEGORY REGIONAL	US 64 US 70, REPLACE BRIDGE 110099 OVER SOUTHERN RAILROAD. <u>ACCELERATE RIGHT-OF-WAY FROM FY 24 TO FY 21 AND CONSTRUCTION FROM FY 25 TO FY 22 AT THE REQUEST OF STRUCTURES MANAGEMENT UNIT.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2021 - \$3,167,000 (NHPB) FY 2022 - \$3,350,000 (NHPB) FY 2023 - <u>\$3,350,000</u> (NHPB) \$9,867,000
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## REVISIONS TO THE 2020-2029 STIP

### HIGHWAY PROGRAM STIP MODIFICATIONS

#### DIVISION 13

EB-5807	MORGANTON, MORGANTON DOWNTOWN GREENWAY CONNECTOR.	CONSTRUCTION	FY 2021 -	\$1,000,000	(BGANY)
BURKE			FY 2021 -	\$295,000	(BGDA)
<b>PROJ.CATEGORY</b>	<b><u>ACCELERATE CONSTRUCTION FROM FY 22 TO FY 21</u></b>		FY 2021 -	<u>\$324,000</u>	(L)
DIVISION	<b><u>AT THE REQUEST OF MPO.</u></b>			\$1,619,000	

I-5009	I-40, US 64 (BURKEMONT ROAD). IMPROVE INTERCHANGE.	RIGHT-OF-WAY	FY 2029 -	\$10,000	(NHP)
BURKE			POST YR-	\$150,000	(NHP)
<b>PROJ.CATEGORY</b>	<b><u>TO ASSIST IN BALANCING FUNDS, DELAY</u></b>	CONSTRUCTION	POST YR-	\$990,000	(NHFP)
REGIONAL	<b><u>CONSTRUCTION FROM FY 29 TO POST YEAR.</u></b>		POST YR-	<u>\$10,000</u>	(NHP)
				\$1,160,000	

* TM-5138	ASHEVILLE RIDES TRANSIT, JARC OPERATIONS	OPERATIONS	FY 2020 -	\$399,000	(L)
BUNCOMBE			FY 2020 -	\$399,000	(3037)
<b>PROJ.CATEGORY</b>	<b><u>FUNDING ADDED TO FY 20 AND FY 21 AT THE</u></b>		FY 2021 -	\$367,000	(L)
	<b><u>REQUEST OF FBR MPO.</u></b>		FY 2021 -	<u>\$367,000</u>	(3037)
				\$1,532,000	

* TM-5163	ASHEVILLE RIDES TRANSIT, CITY OF ASHEVILLE	ADMINISTRATIVE	FY 2020 -	\$50,000	(L)
BUNCOMBE	ADMINISTRATIVE OVERSIGHT OF JARC PROJECTS IN		FY 2021 -	<u>\$52,000</u>	(L)
HAYWOOD	THE ASHEVILLE UAZ			\$102,000	
<b>PROJ.CATEGORY</b>	<b><u>FUNDING ADDED TO FY 20 AND FY 21 AT THE</u></b>				
	<b><u>REQUEST OF FBR MPO.</u></b>				

#### DIVISION 14

B-3186	US 23/US 74, REPLACE BRIDGE 430155, AND BRIDGE 430158 OVER RICHLAND CREEK.	RIGHT-OF-WAY	FY 2021 -	\$800,000	(NHPB)
HAYWOOD		CONSTRUCTION	FY 2022 -	\$3,050,000	(NHPB)
<b>PROJ.CATEGORY</b>	<b><u>ACCELERATE RIGHT-OF-WAY FROM FY 22 TO FY 21</u></b>		FY 2023 -	<u>\$3,050,000</u>	(NHPB)
STATEWIDE	<b><u>AND CONSTRUCTION FROM FY 23 TO FY 22 AT THE</u></b>			\$6,900,000	
	<b><u>REQUEST OF STRUCTURES MANAGEMENT UNIT.</u></b>				

* B-5898	US 23 US 74, REPLACE BRIDGE 430168 OVER US 19 AND US 23.	RIGHT-OF-WAY	FY 2021 -	\$150,000	(NHPB)
HAYWOOD		CONSTRUCTION	FY 2022 -	\$1,550,000	(NHPB)
<b>PROJ.CATEGORY</b>	<b><u>ACCELERATE RIGHT-OF-WAY FROM FY 23 TO FY 21</u></b>		FY 2023 -	<u>\$1,550,000</u>	(NHPB)
STATEWIDE	<b><u>AND CONSTRUCTION FROM FY 24 TO FY 22 AT THE</u></b>			\$3,250,000	
	<b><u>REQUEST OF STRUCTURES MANAGEMENT UNIT.</u></b>				

## REVISIONS TO THE 2020-2029 STIP

### HIGHWAY PROGRAM STIP MODIFICATIONS

#### DIVISION 14

* B-5925	SR 1548 (OLD HIGHWAY 64), REPLACE BRIDGE 223	RIGHT-OF-WAY	FY 2023 -	\$260,000	(BGLT5)
CHEROKEE	OVER HIWASSEE RIVER.	CONSTRUCTION	FY 2024 -	\$2,600,000	(BGLT5)
<b>PROJ.CATEGORY</b>	<b><u>TO ASSIST IN BALANCING FUNDS, DELAY</u></b>			\$2,860,000	
DIVISION	<b><u>CONSTRUCTION FROM FY 22 TO FY 24.</u></b>				

* R-5734A	US 23/US 441, US 64 TO SR 1652 (WIDE HORIZON	ENGINEERING	FY 2021 -	\$154,000	(T)
MACON	DRIVE)/SR 1152 (BELDEN CIRCLE).		FY 2022 -	\$154,000	(T)
<b>PROJ.CATEGORY</b>	<b><u>PROJECT TO UTILIZE BUILD NC BONDS.</u></b>		FY 2023 -	\$154,000	(T)
DIVISION			FY 2024 -	\$154,000	(T)
			FY 2025 -	\$154,000	(T)
			FY 2026 -	\$154,000	(T)
			FY 2027 -	\$154,000	(T)
			FY 2028 -	\$154,000	(T)
			FY 2029 -	\$154,000	(T)
			POST YR-	\$924,000	(T)
		BUILD NC CON	FY 2021 -	\$755,000	(T)
			FY 2022 -	\$755,000	(T)
			FY 2023 -	\$755,000	(T)
			FY 2024 -	\$755,000	(T)
			FY 2025 -	\$755,000	(T)
			FY 2026 -	\$755,000	(T)
			FY 2027 -	\$755,000	(T)
			FY 2028 -	\$755,000	(T)
			FY 2029 -	\$755,000	(T)
			POST YR-	\$4,530,000	(T)
				\$13,635,000	

* TG-6788	ASHEVILLE RIDES TRANSIT, JARC CAPITAL FUNDING	CAPITAL	FY 2020 -	\$41,000	(L)
HAYWOOD	<b><u>FUNDING ADDED TO FY 20 AND FY 21 AT THE</u></b>		FY 2020 -	\$68,000	(3037)
<b>PROJ.CATEGORY</b>	<b><u>REQUEST OF FBR MPO.</u></b>		FY 2021 -	\$94,000	(3037)
				\$203,000	

* TM-5163	ASHEVILLE RIDES TRANSIT, CITY OF ASHEVILLE	ADMINISTRATIVE	FY 2020 -	\$50,000	(L)
BUNCOMBE	ADMINISTRATIVE OVERSIGHT OF JARC PROJECTS IN		FY 2021 -	\$52,000	(L)
HAYWOOD	THE ASHEVILLE UAZ			\$102,000	
<b>PROJ.CATEGORY</b>	<b><u>FUNDING ADDED TO FY 20 AND FY 21 AT THE</u></b>				
	<b><u>REQUEST OF FBR MPO.</u></b>				

## REVISIONS TO THE 2020-2029 STIP

### HIGHWAY PROGRAM STIP DELETIONS

#### DIVISION 9

* B-5006	NOVACK STREET, REPLACE BRIDGE 330285 OVER	CONSTRUCTION	FY 2022 -	\$1,600,000	(BGOFF)
FORSYTH	MILL CREEK IN WINSTON-SALEM.		FY 2022 -	\$400,000	(L)
<b>PROJ.CATEGORY</b>	<u><b>DELETE PROJECT AT REQUEST OF MPO. WORK TO BE</b></u>				
<b>DIVISION</b>	<u><b>ACCOMPLISHED WITH LOCAL FUNDING.</b></u>			\$2,000,000	

* U-6155	SR 1725 (UNIVERSITY PARKWAY), COLISEUM DRIVE IN	RIGHT-OF-WAY	FY 2020 -	\$25,000	(BGANY)
FORSYTH	WINSTON-SALEM. CONSTRUCT INTERSECTION		FY 2020 -	\$6,000	(L)
<b>PROJ.CATEGORY</b>	IMPROVEMENTS FOR PEDESTRIAN SAFETY.	CONSTRUCTION	FY 2021 -	\$45,000	(HSIP)
<b>DIVISION</b>	<u><b>DELETE PROJECT AT REQUEST OF MPO. WORK TO BE</b></u>		FY 2021 -	\$65,000	(BGANY)
	<u><b>ACCOMPLISHED WITH LOCAL FUNDING.</b></u>		FY 2021 -	\$65,000	(L)
				\$206,000	

#### ITEM N SUMMARY

ADDITION S	17	PROJECTS	\$366,035,000
MODIFICATION S	52	PROJECTS	
DELETION S	2	PROJECTS	\$2,206,000
	71	PROJECTS	\$363,829,000



NCDOT November 5, 2020 Board of Transportation Agenda  
Municipal and Special Agreements

SUMMARY: There are a total of 11 agreements for approval by the Board of Transportation

Division 1

City of Elizabeth City  
Pasquotank County  
B-6053  
48754.1.1  
48754.2.1  
48754.3.1  
9512

This Project consists of replacement of Municipal Bridge No. 34 over Knobbs Creek on Providence Road in Elizabeth City. This supplemental agreement is to increase funding. The Department shall reimburse 80% of approved eligible expenses up to a new maximum amount of \$1,140,080. The Municipality shall be responsible for the 20% non-federal match of \$285,020 and all costs that exceed the new total estimated cost of \$1,425,100.

Division 3

New Hanover County  
EB-6027  
48748.1.1  
9506

This Project consists of construction of a multi-use path along Middle Sound Loop Road and Lendire Road to Ogden Business Lane in New Hanover County. This supplemental agreement is to reduce the scope of the project. At the request of the County, the Department shall incorporate the design and construction of the northern portion of the Middle Sound-Loop Trail into the Department's U-4751 Project. The Municipality shall complete the segment of trail along the southern portion of the trail.

Division 7

Town of Carrboro  
Orange County  
C-5181  
46289.1.1  
46289.2.1  
46289.3.2  
9531

This Project consists of construction of a 100-foot bridge and a paved trail to fill the gap between the Upper Bolin Trail and the Twin Creeks Greenway. This supplemental agreement is to increase funding. The Department shall participate up to a new maximum amount of \$680,200 (80%) in CMAQ funds. The Municipality will provide a non-federal match of \$170,050 and all costs that exceed the new total estimated cost of \$850,250.

Division 9

City of Winston-Salem  
Forsyth County  
U-2827B  
C-5620A  
34872.3.4  
9524

This Project consists of replacing 10 bridges on US 158/US 421/NC 150/Business 40, west of 4<sup>th</sup> Street to east of Church Street in Winston-Salem. This supplemental agreement is to expand the scope to include additional work, designate additional maintenance responsibilities and increase municipal funding for the Project. The Municipality will fund 100% of the additional Betterments. The total lump sum cost to the Municipality is \$6,649,347.

NCDOT November 5, 2020 Board of Transportation Agenda  
Municipal and Special Agreements

Division 10

City of Charlotte  
Mecklenburg County  
SS-6010B  
48892.1.1  
48892.2.1  
48892.3.1  
9520

This Project consists of the construction of a traffic half-signal at the intersection of US 29/74 (Wilkinson Boulevard) and Donald Ross Road in Charlotte. The Municipality is responsible for the project. The Department shall participate in the actual costs of the project up to \$90,900. The estimated cost of the project is \$90,900.

City of Charlotte  
Mecklenburg County  
SS-4910DO  
48487.1.1  
48487.2.1  
48487.3.1  
9521

This Project consists of the installation of a traffic signal at the intersection of US 29/NC 49 (North Tryon Street) and Bennett Street. The Municipality is responsible for the project. The Department shall participate in the actual costs of the project up to \$136,000. The estimated cost of the project is \$136,000.

Charlotte Water  
Mecklenburg County  
I-5507  
43609.1.1  
43609.3.2  
9500

This Design-Build Project consists of adding one express lane in each direction of I-485 from I-77 south of Charlotte to US 74 (Independence Boulevard). At the request of the Municipality, the Department shall prepare the design plans for the improvements on John Street and the adjustment and/or relocations of water and sewer lines on Elm Lane within the I-5507 Project. The estimated cost to the Municipality is \$855,761.70.

Division 13

Buncombe County  
EB-5824  
44986.1.1  
44986.3.1  
9328

This Project consists of the design of a greenway section from the intersection of Enka Lake Road and Sandhill Road to immediately south of the intersection of Warren Hayes Drive and Sand Hill Road. The County is responsible for the project. This supplemental agreement is to increase total funding from \$400,000 to \$6,400,000. The Department will participate in 80% of the additional eligible expenses up to \$4,800,000. The Municipality shall provide a 20% non-federal match of \$1,200,000 and all costs that exceed the total available funding of \$6,400,000. This Agreement supersedes the item that was approved by the BOT on May 7, 2020.

NCDOT November 5, 2020 Board of Transportation Agenda  
Municipal and Special Agreements

Division 13, cont.

McDowell County  
R-5964  
48925.3.1  
9505

This Project consists of construction of two (2) new access roads (Solutions Drive and Impact Drive) that will connect to SR 1819 (College Drive) in McDowell County. The Department will perform the work and maintain upon completion. The County shall participate in all costs that exceed the Department's funding of \$600,000.

Buncombe County  
U-6251  
49281.3.1  
9515

This Project consists of improvements of approximately 0.20 miles of industrial access for a new Manufacturing Facility at the Enka Commerce Park in the Enka/Candler area of Buncombe County. The Department will perform the work and participate in the cost of the project up to \$2,200,000 in federal and state funds. The County shall provide \$1,034,753 in local participation and all costs that exceed the total available funding of \$3,234,753.

Division 14

Henderson County  
U-5887  
44634.3.1  
9514

This Project consists of improvements on SR 1783 (Highland Lake Road) from NC 225 to US 176 in Henderson County. At the request of the County, the Department shall include the construction of pedestrian facilities in its construction contract. The County shall participate in 50% of the actual costs of the pedestrian facilities. The estimated cost to the County is \$24,317.

NCDOT November 5, 2020 Board of Transportation Agenda  
Municipal and Special Agreements

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

Division 3

Hawthorne at Pine Forest  
Apartments, LLC  
Brunswick County  
R-5021  
41582.1.1  
41582.3.1  
9503

This Project consists of improvements on NC 211 from SR 1500 (Midway Road) to NC 87. At the request of the Developer, the Department shall include construction of a right turn deceleration turn lane in conjunction with the R-5021 Project. The Developer shall reimburse the Department 100% for the work. The estimated reimbursement is \$121,323.00.

Town of Roseboro  
Sampson County  
R-2303C(L)  
34416.3.14  
9518

This Project consists of landscape enhancements including plantings and gateway signage along NC 24 from SR 1404 (Dowdy Road) to SR 1303 (Mitchell Loop Road). The Department will perform the work. The Municipality shall maintain the landscaping improvements after a one-year establishment period.

Town of Navassa  
Brunswick County  
R-2633BA(L)  
34491.3.24  
9517

This Project consists of landscape enhancements along I-140 at the Mt. Misery Interchange (SR 1426) and at the Cedar Hill Interchange (SR 1430). The Department will perform the work. The Municipality shall maintain the landscaping improvements after a one-year establishment period.

Division 5

Bainbridge Acquisitions III, LLC  
Wake County  
36249.4219  
9513

This Project consists of a signal upgrade on NC 54/SR 3073 (NW Maynard Road) at NC 54 /SR 3081 (Chapel Hill Boulevard). The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% of the cost of the work. The estimated reimbursement is \$5,000.

Division 7

Wilson-Covington Construction  
Company  
Guilford County  
36249.4212  
9527

This Project consists of the relocation of pole, span wire and guy wire for the signal at the intersection of NC 65 and Ellisboro Road in Stokesdale. The Developer shall reimburse the Department 100% of the cost of the work. The estimated reimbursement is \$3,500.

NCDOT November 5, 2020 Board of Transportation Agenda  
Municipal and Special Agreements

Division 8

Town of Broadway  
Lee County  
36249.4217  
9507

This Project consists of placing 4" white paint pavement markings on SR 1579 (S. Main Street) to assist with on-street parking. The Municipality shall reimburse the Department 100% of the cost of the work. The estimated reimbursement is \$1,400.

Division 9

Rowan County  
36249.4223  
9528

This Project consists of the fabrication and installation of new "Welcome To" signs on I-85 in Rowan County. The County shall reimburse the Department 100% of the cost of the work. The estimated reimbursement is \$2,400.

Division 10

UNC Charlotte  
Mecklenburg County  
44829  
9522

This Project consists of improvements on John Kirk Drive from University Boulevard (NC 49) to East Mallard Creek Church Road (SR 5394). This supplemental agreement is to extend the completion date of the project and modify the funding provision. UNC Charlotte shall complete the project by December 31, 2022.

Town of Stallings  
Union County  
36249.4221  
9519

This Project consists of the installation of a new Pedestrian Hybrid Beacon signal located along SR 1524 (Stevens Mill Road). The Department will review the traffic signal plans and inspect the traffic signal installation. The Municipality shall reimburse the Department 100% for the work. The estimated reimbursement is \$6,000.

Division 12

Hawthorne-Midway Waterlynn,  
LLC  
Iredell County  
36249.4216  
9502

This Project consists of traffic signal modifications at the intersection of US 21 (Charlotte Highway) at SR 1245 (Medical Park Road/Gateway Boulevard). The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% for the work. The estimated reimbursement is \$5,000.

NCDOT November 5, 2020 Board of Transportation Agenda  
Municipal and Special Agreements

Division 13

SKS Partners, LLC  
Buncombe County  
36249.4218  
9508

This Project consists of review and inspection for the revision of Traffic Signal No. 13-0451 on the I-40 Eastbound Exit 44 off-ramp at the intersection with US 19-23 (Smokey Park Highway). The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% for the work. The estimated reimbursement is \$5,000.

Bald Headed Builders, Inc.  
Buncombe County  
36249.4222  
9526

This Project consists of the review and inspection of an actuated flasher system that will provide advance warning to motorists on SR 2806 (Garren Creek Road) prior to Clear View Subdivision Development Road for site address 36 Ted Linn Drive in Fairview. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% for the work. The estimated reimbursement is \$5,000.

# NCDOT November 2020 Board of Transportation Agenda

## Municipal Street System Changes for Powell Bill Program

### Deletion from the State Highway System

Division	County	Municipality	Road	Termini	Length
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9	Forsyth	City of Winston-Salem	SR 4033; Research Parkway	To delete from Rams Drive to Third Street	0.72
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**File Name:** FORSYTH\_2020\_11\_M001

10	Mecklenburg	City of Charlotte	SR 1641; Old Little Rock Road	To delete from NC 27 to Flintrock Road	0.52
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**File Name:** MECKLENBURG\_2020\_11\_M001

**Total Miles = 1.24**

# **NCDOT November 2020 Board of Transportation Agenda Municipal Street System Changes for Powell Bill Program**

## **Retroactive Correction NCDOT from August 2020 Board of Transportation Agenda Approval of Municipal Street System Changes Deletion from the State Highway System**

<b>Division</b>	<b>County</b>	<b>Municipality</b>	<b>Road</b>	<b>Termini</b>	<b>Length</b>
5	Wake	City of Raleigh	SR 5282; Anderson Point Drive (Correction to the SR number)	From SR 2625 (Robbins Drive) to 0.01 miles South of Gilman Lane	0.23

**File Name:** WAKE\_2020\_08\_M002

**Total Miles = 0.23**



## **NCDOT November 2020 Board of Transportation Agenda**

<b><u>No.</u></b>		<b><u>Enacted Page No.</u></b>
<b>1</b>	<b>Final Right of Way Plans</b>	<b>R-1</b>
<b>2</b>	<b>Conveyance ROW Residue by Real Estate Agent and or Auctioneer</b>	<b>R-2 – R-9</b>
<b>3</b>	<b>Approval of Conveyance of Highway Right of Way Residues</b>	<b>R-10</b>
<b>4</b>	<b>Approval of Conveyance of Surplus Right of Way</b>	<b>R-11</b>
<b>5</b>	<b>Approval of Conveyance of Highway ROW Residues as Part-Settlement of a Condemnation Claim</b>	<b>R-12</b>

## **NCDOT November 2020 Board of Transportation Agenda**

### **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 1)**

**Northampton County; I.D. No. BR-0117; Project No. 48826.2.1:**

Bridge No. 52 over Gumberry Swamp on SR 1313 (Hargraves Road).

#### **(Division 2)**

**Pitt County; I.D. No. BR-0120; Project No. 48829.2.1:**

Bridge No. 123 over Meadow Branch on SR 1552 (Tucker Bullock Road).

#### **(Division 3)**

**Sampson County; I.D. No. BR-0121; Project No. 48830.2.1:**

Bridge No. 178 over Sevenmile Swamp on SR 1804 (Houses Mill Road).

#### **(Division 4)**

**Edgecombe County; I.D. No. BR-0111; Project No. 48820.2.1:**

Bridge No.'s 3, 4 & 5 over Swift Creek on SR 1404 (Seven Bridges Road).

#### **(Division 11)**

**Yadkin County; I.D. No. BR-0127; Project No. 48836.2.1:**

Bridge No. 980189 on SR 1325 (Mountain View Church Road) over UT of South Deep Creek.

## **NCDOT November 2020 Board of Transportation Agenda**

### **Approval of Conveyance of Highway Right of Way Residues by Real Estate Agent and/or Auctioneer**

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 2)**

##### **Project R-1014A, Parcel 053A, NC 32**

###### **Beaufort County**

Conveyance of an approximate 0.300-acre area comprised of one (1) B-class residue having a value of \$2,500 to **Robert Whitely Jr. Family Partnership - C** for the highest bid amount of **\$4,000**; total commission N/A BUYERS PREMIUM.

##### **Project R-1014A, Parcel 053B, NC 32**

###### **Beaufort County**

Conveyance of an approximate 0.330-acre area comprised of one (1) B-class residue having a value of \$2,500 to **East Coast Shipping NC, LLC** for the highest bid amount of **\$4,000**; total commission N/A BUYERS PREMIUM.

##### **Project R-2510A, Parcel 062A, US 17**

###### **Beaufort County**

Conveyance of an approximate 0.320-acre area comprised of one (1) landlocked C-class residue having a value of \$1,000 to **Roy Clark** for the highest bid amount of **\$1,200**; total commission N/A BUYERS PREMIUM.

##### **Project R-2510A, Parcel 062B, US 17**

###### **Beaufort County**

Conveyance of an approximate 0.320-acre area comprised of one (1) landlocked C-class residue having a value of \$800 to **Janice Carrow Buck** for the highest bid amount of **\$950**; total commission N/A BUYERS PREMIUM.

##### **Project U-2226, Parcel 025, SR 1738 Bridges St. Ext.**

###### **Carteret County**

Conveyance of an approximate 0.080-acre area of one (1) C-class residue having a value of \$2,000 to **Kimberly Elliott and Dallas M. Smith** for the highest bid amount of **\$2,000**; total commission N/A BUYERS PREMIUM.

##### **Project N/A, Parcel N/A, US 17**

###### **Craven County**

Conveyance of an approximate 0.020-acre area comprised of one (1) C-class residue having a value of \$250 to **Virginia G. Holland** for the highest bid amount of **\$325**; total commission N/A BUYERS PREMIUM.

##### **Project B-4127, Parcel 008, SR 1438 Bridge 43 over Rainbow Creek**

###### **Green County**

Conveyance of an approximate 1.170-acre area comprised of one (1) B-class residue having a value of \$100 to **Dawn Nelligan** for the highest bid amount of **\$125**; total commission N/A BUYERS PREMIUM.

## **NCDOT November 2020 Board of Transportation Agenda**

### **Approval of Conveyance of Highway Right of Way Residues by Real Estate Agent and/or**

#### **Auctioneer (Continued)**

#### **(Division 2) (Continued)**

##### **Project R-2719BA, Parcel 016A, SR 1667 Crescent Rd.**

###### **Lenoir County**

Conveyance of an approximate 2.180-acre area comprised of one (1) B-class residue having a value of \$7,500 to **NOVAPROP** for the highest bid amount of **\$13,500**; total commission N/A BUYERS PREMIUM.

##### **Project R-2719BA, Parcel 008A, SR 1667 Crescent Rd.**

###### **Lenoir County**

Conveyance of an approximate 0.120-acre area comprised of one (1) C-class residue having a value of \$200 to **Rouse Brothers Holdings, LLC** for the highest bid amount of **\$400**; total commission N/A BUYERS PREMIUM.

##### **Project R-2719BA, Parcel 011A, SR 1667 Crescent Rd.**

###### **Lenoir County**

Conveyance of an approximate 2.160-acre area comprised of one (1) B-class residue having a value of \$5,000 to **Rouse Brothers Holdings, LLC** for the highest bid amount of **\$7,150**; total commission N/A BUYERS PREMIUM.

##### **Project R-2719BA, Parcel 009, SR 1667 Crescent Rd.**

###### **Lenoir County**

Conveyance of an approximate 0.230-acre area comprised of one (1) B-class residue having a value of \$200 to **Rouse Brothers Holdings, LLC** for the highest bid amount of **\$200**; total commission N/A BUYERS PREMIUM.

##### **Project R-2719BA, Parcel 010, SR 1667 Crescent Rd.**

###### **Lenoir County**

Conveyance of an approximate 0.040-acre area comprised of one (1) C-class residue having a value of \$200 to **Rouse Brothers Holdings, LLC** for the highest bid amount of **\$325**; total commission N/A BUYERS PREMIUM.

##### **Project R-2719BA, Parcel 011B, SR 1667 Crescent Rd.**

###### **Lenoir County**

Conveyance of an approximate 0.240-acre area comprised of one (1) C-class residue having a value of \$500 to **Rouse Brothers Holdings, LLC** for the highest bid amount of **\$2,500**; total commission N/A BUYERS PREMIUM.

##### **Project 8.12591, Parcel N/A, NC 11**

###### **Lenoir County**

Conveyance of an approximate 0.070-acre area comprised of one (1) C-class residue having a value of \$250 to **Pirate Ventures, LLC** for the highest bid amount of **\$800**; total commission N/A BUYERS PREMIUM.

## **NCDOT November 2020 Board of Transportation Agenda**

### **Approval of Conveyance of Highway Right of Way Residues by Real Estate Agent and/or**

#### **Auctioneer (Continued)**

#### **(Division 2) (Continued)**

##### **Project R-2001A, Parcel 039, SR 1194 Rosewood Dr. Lenoir County**

Conveyance of an approximate 2.900-acre area comprised of one (1) B-class residue having a value of \$1,500 to **Pirate Ventures, LLC** for the highest bid amount of **\$1,600**; total commission N/A BUYERS PREMIUM.

##### **Project R-2719BA, Parcel 008B, SR 1667 Crescent Rd. Lenoir County**

Conveyance of an approximate 2.080-acre area comprised of one (1) B-class residue having a value of \$1,000 to **Northgate Homes, LLC** for the highest bid amount of **\$1,051**; total commission N/A BUYERS PREMIUM.

##### **Project R-2539A, Parcel 033, NC 55 Pamlico County**

Conveyance of an approximate 0.170-acre area comprised of one (1) C-class residue having a value of \$1,000 to **Colonial Capital Plumbing & Septic, LLC** for the highest bid amount of **\$1,100**; total commission N/A BUYERS PREMIUM.

##### **Project R-0218A, Parcel 035, US 13/NC 11 Pitt County**

Conveyance of an approximate 0.070-acre area comprised of one (1) C-class residue having a value of \$150 to **Pirate Ventures, LLC** for the highest bid amount of **\$700**; total commission N/A BUYERS PREMIUM.

##### **Project R-0218A, Parcel 032A, US 13/NC 11 Pitt County**

Conveyance of an approximate 0.010-acre area comprised of one (1) C-class residue having a value of \$100 to **Pirate Ventures, LLC** for the highest bid amount of **\$275**; total commission N/A BUYERS PREMIUM.

##### **Project 8.1230101, Parcel 053, US 264 Pitt County**

Conveyance of an approximate 4.030-acre area comprised of one (1) landlocked B-class residue having a value of \$1,000 to **Aliou Dia** for the highest bid amount of **\$900**; total commission N/A BUYERS PREMIUM.

##### **Project R-0218A, Parcel 039, US 13/NC 11 Pitt County**

Conveyance of an approximate 0.270-acre area comprised of one (1) C-class residue having a value of \$500 to **Richard M. Pappas** for the highest bid amount of **\$2,800**; total commission N/A BUYERS PREMIUM.

## **NCDOT November 2020 Board of Transportation Agenda**

### **Approval of Conveyance of Highway Right of Way Residues by Real Estate Agent and/or**

#### **Auctioneer (Continued)**

##### **(Division 2) (Continued)**

###### **Project R-0218A, Parcel 036, US 13/NC 11**

###### **Pitt County**

Conveyance of an approximate 0.230-acre area comprised of one (1) C-class residue having a value of \$250 to **Richard M. Pappas** for the highest bid amount of **\$2,800**; total commission N/A BUYERS PREMIUM.

###### **Project R-0218B, Parcel 031, US 13/NC 11**

###### **Pitt County**

Conveyance of an approximate 0.070-acre area comprised of one (1) C-class residue having a value of \$150 to **Northgate Homes, LLC** for the highest bid amount of **\$125**; total commission N/A BUYERS PREMIUM.

##### **(Division 3)**

###### **Project X-0003BC, Parcel 117, I-40**

###### **Duplin County**

Conveyance of an approximate 0.190-acre area comprised of one (1) B-class residue, having a value of \$1,000 to **Frank Spain, Jr.** for the highest bid amount of **\$1,000**; total commission \$250

##### **(Division 4)**

###### **Project R-1030D, Parcel 007, US 117**

###### **Wilson County**

Conveyance of an approximate 1.420-acre area comprised of one (1) A-class residue, having a value of \$6,100 to **Rome West Properties, LLC** for the highest bid amount of **\$5,550**; total commission N/A BUYERS PREMIUM.

##### **(Division 5)**

###### **Project 8.14156, Parcel N/A, I- 85**

###### **Durham County**

Conveyance of an approximate 0.240-acre area comprised of one (1) A-class residue, having a value of \$12,725 to **Jaleel Evans** for the highest offer amount of **\$12,725**; total commission \$2,500.

###### **Project U-4763B, Parcel 049, NC 147**

###### **Durham County**

Conveyance of an approximate 1.590-acre area comprised of one (1) landlocked B-class residue, having a value of \$69,350 to **Radu Atri** for the highest offer amount of **\$69,000**; total commission \$6,900.

## **NCDOT November 2020 Board of Transportation Agenda**

### **Approval of Conveyance of Highway Right of Way Residues by Real Estate Agent and/or**

#### **Auctioneer (Continued)**

##### **(Division 5) (Continued)**

###### **Project U-0071, Parcel N/A, I-85**

###### **Durham County**

Conveyance of an approximate 0.300-acre area comprised of one (1) landlocked B-class residue, having a value of \$3,800 to **Pro Star Investments, LLC** for the highest offer amount of **\$3,800**; total commission \$2,500.

##### **(Division 6)**

###### **Project U-0620, Parcel 097, SR 1141 Bingham Dr.**

###### **Cumberland County**

Conveyance of an approximate 0.160-acre area comprised of two (2) landlocked C-class residues, having a value of \$100 to **Ronnie Deshaun McDougald** for the highest bid amount of **\$160**; total commission N/A BUYERS PREMIUM.

##### **(Division 7)**

###### **Project U-3303A, Parcel 076, SR 1306/SR 1363 Mebane St.**

###### **Alamance County**

Conveyance of an approximate 0.170-acre area comprised of one (1) A-class residue, having a value of \$20,875 to **I-85 Plaza, LLC** for the highest offer amount of **\$19,000**; total commission \$3,000.

###### **Project U-3303A, Parcel 071-072, SR 1306/SR 1363 Mebane St.**

###### **Alamance County**

Conveyance of an approximate 0.340-acre area comprised of one (1) A-class residue, having a value of \$16,000 to **Mark Lindsay** for the highest offer amount of **\$16,065**; total commission \$3,000.

###### **Project P-5204, Parcel 020, SR 2918 McLeansville Rd.**

###### **Guilford County**

Conveyance of an approximate 3.890-acre area comprised of one (1) A-class residue, having a value of \$34,250 to **Sammie Rawlison III** for the highest offer amount of **\$32,000**; total commission \$3,200.

###### **Project U-3306, Parcel 087, SR 1733 Weaver Dairy Rd.**

###### **Orange County**

Conveyance of an approximate 0.520-acre area comprised of one (1) A-class residue, having a value of \$170,000 to **Hamid Alvand** for the highest offer amount of **\$153,000**; total commission \$15,300.

## **NCDOT November 2020 Board of Transportation Agenda**

### **Approval of Conveyance of Highway Right of Way Residues by Real Estate Agent and/or**

#### **Auctioneer (Continued)**

##### **(Division 8)**

###### **Project R-2218A, Parcel 042, US 64**

###### **Chatham County**

Conveyance of an approximate 0.110-acre area comprised of one (1) landlocked C-class residue, having a value of \$825 to **Charlton Eason and Betty Eason** for the highest offer amount of **\$825**; total commission \$500.

###### **Project R-0210C, Parcel 011, US 1**

###### **Lee County**

Conveyance of an approximate 0.040-acre area comprised of one (1) C-class residue, having a value of \$300 to **Kevin Lynn Blackwelder** for the highest offer amount of **\$751**; total commission \$500.

###### **Project R-2606A, Parcel 014, US 74**

###### **Randolph County**

Conveyance of an approximate 0.080-acre area comprised of one (1) C-class residue, having a value of \$600 to **Charlton Eason and Betty Eason** for the highest offer amount of **\$750**; total commission \$500.

##### **(Division 9)**

###### **Project 8.2830701, Parcel 012, NC 67**

###### **Forsyth County**

Conveyance of an approximate 0.620-acre area comprised of one (1) B-class residue, having a value of \$1,500 to **Christian Gruner** for the highest bid amount of **\$19,100**; total commission N/A BUYERS PREMIUM.

###### **Project I-0900AC, Parcel 205, I-40**

###### **Forsyth County**

Conveyance of an approximate 0.180-acre area comprised of one (1) A-class residue, having a value of \$1,900 to **Christian Gruner** for the highest bid amount of **\$2,900**; total commission N/A BUYERS PREMIUM.

###### **Project R-2911C, Parcel 037, US 70**

###### **Rowan County**

Conveyance of an approximate 0.770-acre area comprised of one (1) A-class residue, having a value of \$9,000 to **Christian Gruner** for the highest bid amount of **\$9,000**; total commission N/A BUYERS PREMIUM.

###### **Project I-2511BB, Parcel 189, I-85**

###### **Rowan County**

Conveyance of an approximate 6.450-acre area comprised of one (1) A-class and one (1) landlocked B-class residues, having a value of \$17,750 to **Christian Gruner** the highest bid amount of **\$55,050**; total commission N/A BUYERS PREMIUM.



## **NCDOT November 2020 Board of Transportation Agenda**

### **Approval of Conveyance of Highway Right of Way Residues by Real Estate Agent and/or**

#### **Auctioneer (Continued)**

##### **(Division 9) (Continued)**

###### **Project I-2511BB, Parcel 162A, I-85**

###### **Rowan County**

Conveyance of an approximate 0.507-acre area comprised of one (1) A-class residue, having a value of \$11,000 to **Christian Gruner** the highest bid amount of **\$12,000**; total commission N/A BUYERS PREMIUM.

##### **(Division 11)**

###### **Project R-2239C, Parcel 218 US 421**

###### **Wilkes County**

Conveyance of an approximate 4.290-acre area comprised of one (1) A-class residue, having a value of \$15,650 to **Dale B. Stone** for the highest bid amount of **\$21,307**; total commission N/A BUYERS PREMIUM.

##### **(Division 12)**

###### **Project U-2404A, Parcels 053, 053A & 054, NC 16**

###### **Catawba County**

Conveyance of an approximate 2.250-acre area comprised of two (2) B-class and one (1) C-class residues, having a value of \$1,500 to **City of Newton** for the highest offer amount of **\$1,690**; total commission \$3,000.

###### **Project U-0215B, Parcels 051 & 052, NC 274**

###### **Gaston County**

Conveyance of an approximate 0.960-acre area comprised of two (2) landlocked B-class residues, having a value of \$1,600 to **Frank Curtis Howe, John Richard Howe, Jamie Michael Howe & Laura Lee Howe** for the highest offer amount of **\$1,600**; total commission \$2,000.

###### **Project U-2408, Parcel N/A, NC 274**

###### **Gaston County**

Conveyance of an approximate 0.290-acre area comprised of one (1) A-class residue, having a value of \$6,000 to **Jerry R. Digh and Mary F. Digh** for the highest offer amount of **\$5,400**; total commission \$1,000.

###### **Project B-2576, Parcels 003, 003A & 004, Bridge 514 over Southern RR & Norfolk Southern RR**

###### **Iredell County**

Conveyance of an approximate 0.150-acre area comprised of three (3) A-class residues, having a value of \$5,500 to **Iredell Statesville Community Enrichment Corporation** for the highest offer amount of **\$5,000**; total commission \$3,000.

## **NCDOT November 2020 Board of Transportation Agenda**

### **Approval of Conveyance of Highway Right of Way Residues by Real Estate Agent and/or**

#### **Auctioneer (Continued)**

##### **(Division 14)**

###### **Project R-0977, Parcel 038, US 64**

###### **Cherokee County**

Conveyance of an approximate 0.870-acre area comprised of one (1) landlocked B-class residue, having a value of \$500 to **Samuel Johnson** for the highest bid amount of **\$500**; total commission N/A BUYERS PREMIUM.

###### **Project 8.19444, Parcel N/A, US 19**

###### **Haywood County**

Conveyance of an approximate 1.240-acre area comprised of four (4) landlocked B-class residues, having a value of \$4,000 to **John Everett Herrin, Sr.** for the highest bid amount of **\$4,004**; total commission N/A BUYERS PREMIUM

###### **Project R-2224, Parcel 033A & 033B, NC 209**

###### **Haywood County**

Conveyance of an approximate 1.130-acre area comprised of two (2) landlocked B-class residue, having a value of \$2,000 to **James Thompson** for the highest bid amount of **\$7,600**; total commission N/A BUYERS PREMIUM

###### **Project B-3474, Parcel 003, Bridge 59 over US 74A**

###### **Henderson County**

Conveyance of an approximate 0.210-acre area comprised of one (1) landlocked B-class residue, having a value of \$150 to **Richard Amatriain** for the highest bid amount of **\$200**; total commission N/A BUYERS PREMIUM

###### **Project R-4064, Parcel 009, US 321A**

###### **Macon County**

Conveyance of an approximate 0.130-acre area comprised of one (1) landlocked B-class residue, having a value of \$500 to **Lazaro Ramirez Perez** for the highest bid amount of **\$2,500**; total commission N/A BUYERS PREMIUM

###### **Project R-0099BB, Parcel 004, US 74**

###### **Polk County**

Conveyance of an approximate 0.210-acre area comprised of one (1) landlocked B-class residue, having a value of \$250 to **Ryan Tabor** for the highest bid amount of **\$325**; total commission N/A BUYERS PREMIUM

###### **Project 8.1992301, Parcel 016, SR 1344 Cashiers Valley Rd.**

###### **Transylvania County**

Conveyance of an approximate 0.150-acre area comprised of one (1) B-class residue, having a value of \$250 to **Lexington Investment Properties, LLC** for the highest bid amount of **\$300**; total commission N/A BUYERS PREMIUM

## **NCDOT November 2020 Board of Transportation Agenda**

### **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 4)**

##### **Project 50056.2.1, TIP No. W-5600; US 70 Bypass**

##### **Johnston County**

The Department acquired residual tracts totaling 1.449 acre and having a value of \$19,525 from Shelia Jones (Divorced) (W-5600 032) and Jerry B. Baker A/W Tiffany A. Baker (W-5600 033) along US 70 Bypass, Johnston County. Duke Energy Progress has an existing 230 KV Line that the Department needs to be moved. Duke Energy Progress has requested the Department convey the subject residual tracts to it as the replacement location of the 230 KV Line. Since this is a reimbursable project according to the URA, the Department has determined the best use for the residual tract is for the replacement site for the 230 KV Line. This is to request authority for Manager of Right of Way Unit to execute the appropriate instrument.

#### **(Division 7)**

##### **Project 34483.2.3, Parcel R-2612B 035, US 421 at SR 3418 (Neeley Road)**

##### **Guilford County**

Conveyance of approximately 0.248 acre residue to Devin Kissel, the only interested adjacent owner, for the appraised value of **\$600**.

#### **(Division 10)**

##### **Project 8.1654801, Parcel 625, I-277 7<sup>th</sup> to 10<sup>th</sup> Street Greenway Project, City of Charlotte**

##### **Mecklenburg County**

Conveyance of an approximate 0.02-acre residue to City of Charlotte for use in their 7<sup>th</sup> to 10<sup>th</sup> Street Greenway Project for no consideration. If this 0.02 acre residue is not used for the 7<sup>th</sup> to 10<sup>th</sup> Street Greenway Project, the City of Charlotte will reconvey the 0.02 acre residue to the Department at their own expense.

## **NCDOT November 2020 Board of Transportation Agenda**

### **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 13)**

**Project No. 8.18553; I.D. No. N/A; US 19E, in Town of Spruce Pine  
Mitchell County**

Disposal of approximately 0.114 acre surplus right of way to Barry Hall for the enhancement value of **\$7,975**.

## **NCDOT November 2020 Board of Transportation Agenda**

### **Approval of Conveyance of Highway Right of Way Residues as Part-Settlement of a Condemnation Claim.**

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 3)**

**Project No. 34531.2.1; I.D. No. R-3324; NC 211**

**Brunswick County**

Conveyance of approximately 0.600 acre area to Gateway Hospitality Southport, LLC, as additional consideration for the part of the settlement of its highway right of way claim with the Department.

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<b>R-ITEM SUMMARY</b>	<b>63 PROJECT(S)</b>	<b>TOTAL: \$520,503.00</b>
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**NORTH CAROLINA BOARD OF TRANSPORTATION  
RECOMMENDED ALLOCATION OF HIGHWAY MAINTENANCE APPROPRIATIONS  
FISCAL YEAR 2020 - 2021**

There will be no Maintenance Allocation submitted to the Board for approval at the November 2020 Board meeting.

There are no Comprehensive Transportation Plans to be presented for approval at the November 5, 2020 Board of Transportation Meeting.

## NORTH CAROLINA BOARD OF TRANSPORTATION

There will be no Item V submitted to the  
Board for approval at the  
November 5, 2020 Board meeting.



## Committee Reports

**Audit Committee** – Committee Chair Perkins provided a summary of the committee's meeting topics that included an update from Mary Morton, Inspector General. Ms. Morton presented the OIG Charter for Committee review, discussed feedback received and discussed two clarification changes. With the resulting changes, the Committee approved the OIG Charter. Committee Chair Perkins revisited the FY 2021 Internal Audit Plan which was presented and discussed during the October 7, 2020 meeting. The plan includes engagements in progress in addition to seven additional audit areas. After the October meeting, the Plan was provided to the full Board for review and comment and no concerns were noted. As such, Committee Chair Perkins requested the Committee to allow OIG to proceed with plan as presented. No objections noted. During the next Committee Meeting, Ms. Morton will provide updates on the audits in progress.

**Workforce Committee** – Committee Chair Hunt provided a summary of the committee's meeting topics that included an update on the Committee Overview and Planning Session. Darryl Bass, Chief Human Resources Officer, gave an overview on the following:

- Division of Human Resources Organizational Structure Overview
- Workforce Demographics – by employee gender and employee diversity
- Diversity Equity and Inclusion (DEI) Advisory Group
- Unconscious Bias Training – rolled out to employees in August, consisted of 14 micro modules and DOT had a 91% completion rate across the Agency.
- Discussed possible topics for future committee meetings – Recruitment and Retention

**Highways Committee** – Committee Chair Tarleton provided a summary of the committee's meeting topics that included a presentation provided by Mr. Kevin Lacy, State Traffic Engineer. Mr. Lacy presented an interesting presentation regarding autonomous vehicles. He discussed the questions and unknowns surrounding autonomous vehicles such as:

- Will self-driving vehicles bring a higher level of safety on our transportation system?
- When will self-driving vehicles be available?
- Who is responsible when a crash occurs?
- What will be the impact on congestion?
- Will there be more cars?
- Will there be more vehicle miles travelled?

Before the pandemic, driverless shuttles were being used on North Carolina State University's Centennial Campus. Today, Waymo has driverless permits in California and is testing a ride hailing app in Arizona. Waymo has over 20 million self-driven miles and over 15 billion simulated miles. They are currently operating in 9 states and the District of Columbia.

Lyft has over 100,000 paid self-driving rides in Las Vegas, with over 1.5 million miles traveled in a highly congested, highly distracting, and mixed vehicle environment.

Self-driving vehicles may be available in 2027. Flying autonomous vehicles are also being developed. Volvo is also using self-driving trucks in mining operations.

The cost of self-driving vehicles may impact whether there is an increase in vehicles on our roadways, or if vehicles are shared by multiple people. If they are very expensive, corporate ownership may be more likely. The miles driven may actually increase with "empty" miles of driving.

The capacity of our roadways will increase, allowing for more efficient use of the Department's Right of Way and intersections. As for congestion, self-driving vehicles may travel closer together, both laterally and horizontally, which would allow for more vehicles to use the same space. The need for parking may also decrease.

**Multi-Modal Committee** – Committee Chair Moran provided a summary of the committee's meeting topics that included an update on the Aviation. Funding items were presented by Ms. Julie White and were recommended for approval by the Multi-Modal BOT Committee. Ms. Julie White, Deputy Secretary for Multi-Modal Transportation, updated the committee on multimodal called, "While We Were Working From Home". Ms. Heather Hildebrandt, Interim Director for Integrated Mobility Division, and Mr. Ryan Brumfield, Integrated Mobility Division Innovations and Data Branch Manager, presented a presentation on the CARES Act Implementation NC Transit Cares. Ms. Kim Angel, Macon County Transit Director, gave a presentation on the COVID-19 Impacts on Rural Transit in NC. Mr. Chuck Lattuca, President and CEO of GoTriangle, spoke with the committee on the COVID-19 Impacts for Urban Transit in NC.

**Finance Committee** – Committee Chair Lathrop provided summary of the committee's meeting topics that included:

- **Spend Plan Update** – Ms. Michelle Overby, Funds Administration Manager, presented the Spend Plan Update. She noted actual revenues are greater than projected and actual expenditures are less than forecast so the cash balance is increasing. Ms. Stephanie King, CFO, provided a Build NC update in that the bonds have been priced and we expect a rate of 1.54%. In addition, the Department should receive \$172.4 million of bond proceeds next Thursday when the bonds are sold. The plan is to review new revenue projections and go back to the business units for additional requests. Ms. King and Ms. Overby will be coming back to the Board next month with a proposal to amend the Spend Plan with the additional capacity.

- Spend Plan Policy – Stephanie King, CFO, presented the draft Spend Plan Policy. It details the different roles, responsibilities, development, and ultimate approval of the plan to formalize the Spend Plan Process. The policy also goes into the oversight and modifications which guide the process. The Committee voted unanimously to recommend the policy to the full Board.
- Division Spend Plan – Mr. Joey Hopkins, Division 5 Engineer, presented the Spend Plan from a Division perspective. Topics covered included Spend Plan development for statewide, Spend Plan development for divisions, monitoring/tracking actual expenditures compared to the Spend Plan, and moving forward to improve forecasting.
- Operations Financial Structure Plan – Mr. Ronnie Keeter, Eastern Deputy Chief Engineer, presented the Operations personnel changes outlined in Session Law 2020-91 (House Bill 77.) The Department is required to have positions responsible for financial management within each division. The Financial Structure Plan has been submitted to the JLTOC. Each division has a mini FPC and they review all aspects of the Spend Plan. Division Business Officers meet every quarter and meet with Financial Management. The Chief's Office is working to reclassify 7 positions to the Accountant IV level. Each Accountant will be responsible for a Region and will report to the Chief Engineer's Office. They will be heavily involved with the Division Engineer, Division Business Officer, and Financial Management. The plan is to post the new positions in January and hopefully have them filled by June 2021.
- Ferry Update – Ms. Mary Willis, Ferry Division Business Officer, presented the Ferry Division Update. She provided information on the Ferry Operations, Major Division Components, Division Staff, Vessel Asset Management, Service Demand, and Annual Appropriations vs. Actual Expenses. The current Spend Plan Target for Ferry does not cover the need and she requested consideration for additional Spend Plan capacity.
- NC First Commission Update – Ms. Amna Cameron, Strategic Initiatives Deputy Director, presented an update of the NC First Commission. They have conducted 8 meetings to date and the next meeting in January is expected to be the last. The full commission has focused on revenue. Examples of items presented to the Commission include differing ways of taxing, changing structure to more weight based in that the tax burden is based on damage to the roads, tax on number of miles driven, and various types of tolling options. The hope is the Commission will be able to come to a consensus on how to move forward and address the projected decline in gas tax revenues.

**Economic Development and Intergovernmental Relations (EDIR) Committee –** Committee Chair Taft provided a summary of the committee's meeting topics that included a presentation on the Economic Impacts of Interstate Highways that was delivered by Mr. Dana

Magliola. He is a Supply Chain/Freight Analyst and subject matter expert at NCDOT. Dana's presentation was followed by a presentation from Mr. Kevin Lacy, State Traffic Engineer, which explained the designation process for interstates.

**Road Naming Committee** – Committee Chair Fox provided a summary of the committee's meeting topics that included an approval of two road designation requests to bring forward to the full board in December:

- Beloved Man, Dr. Jerry Wolfe Highway – NC 441 from Exit 74 to the intersection of NC-19
- Ronnie Milsap Highway – US 129 from the intersection of Yellow Creek Road and US 129 North to the Graham County Bridge #33

Mr. Kevin Lacy discussed the findings of his investigation into the Jefferson Davis Highway. The Board of Transportation has never taken any action naming or designating this roadway as Jefferson Davis Highway. Therefore, there is no action needed by the Board. The Department will treat items on this corridor as we do any other items or objects placed or abandoned in the state right of way. Upcoming events were discussed.

The Chairman reminded members of the Board that the next meeting is scheduled for December 2-3, 2020 in Raleigh, NC.

## Adjournment

There being no further business of the Board, Chairman Fox accepted a motion from Board Member Mathis, seconded by Vice-Chair Perkins.

Chairman Fox shared that he will now conduct a roll call vote on the action item under consideration. When I say your name, please say either yes ("aye") to indicate yes or if opposed, please say "no".

Chairman Fox along with members Perkins, Overholt, Zimmer, Mitchell, Jordan, Hunt, Cody, Mathis, Lathrop, Rosenburgh, Tarleton, Clarke, Lail, McGrady, and Wells all voted yes to adjourn the meeting.

The meeting adjourned at 10:15 am.

Michael S. Fox

Chairman Fox

North Carolina Board of Transportation

Attest: Christine J. Mann

Secretary to the Board of Transportation

Dated this day 5 November 2020.



## **NORTH CAROLINA**

Department of Transportation



# **DOT BOARD WORKFORCE COMMITTEE MEETING**

**Darryl Bass – Division of Human Resources**

**November 4, 2020**

# Agenda

- ✓ **Introduction**
- ✓ **Division of Human Resources Organizational Overview**
- ✓ **DOT Workforce Demographics**
- ✓ **DEI Advisory Group**
- ✓ **Unconscious Bias Training**
- ✓ **Proposed Meeting Schedule**
- ✓ **Questions**

# Introduction

- ✓ **Serve as the Chief of Human Resources Officer for DOT**
- ✓ **25+ years of HR Experience**
- ✓ **Started with DOT in July 2018**



# **Division of Human Resources**

## **Organizational Structure Overview**

- ✓ **Director's Office**
- ✓ **Talent Management Division**
- ✓ **Classification & Compensation**
- ✓ **DMV Human Resources Office**
- ✓ **Policy Administration**
- ✓ **Performance Management**
  - **Learning Management System**

# **Division of Human Resources**

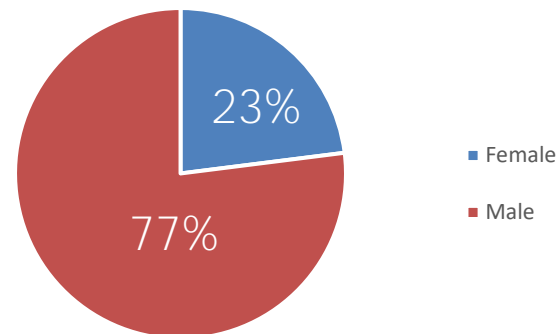
## **Organizational Structure Overview (Continued)**

- ✓ **Salary Administration and Qualification Review**
- ✓ **HR Services**
  - **Employee Relations/Grievance Coordination**
  - **Training and Development**
  - **Legacy Leadership**
  - **Assessment Center**
- ✓ **Safety and Risk Management**
  - **Worker's Compensation**
  - **Safety**
  - **Random Drug Testing**

# Workforce Demographics

## NCDOT by Gender

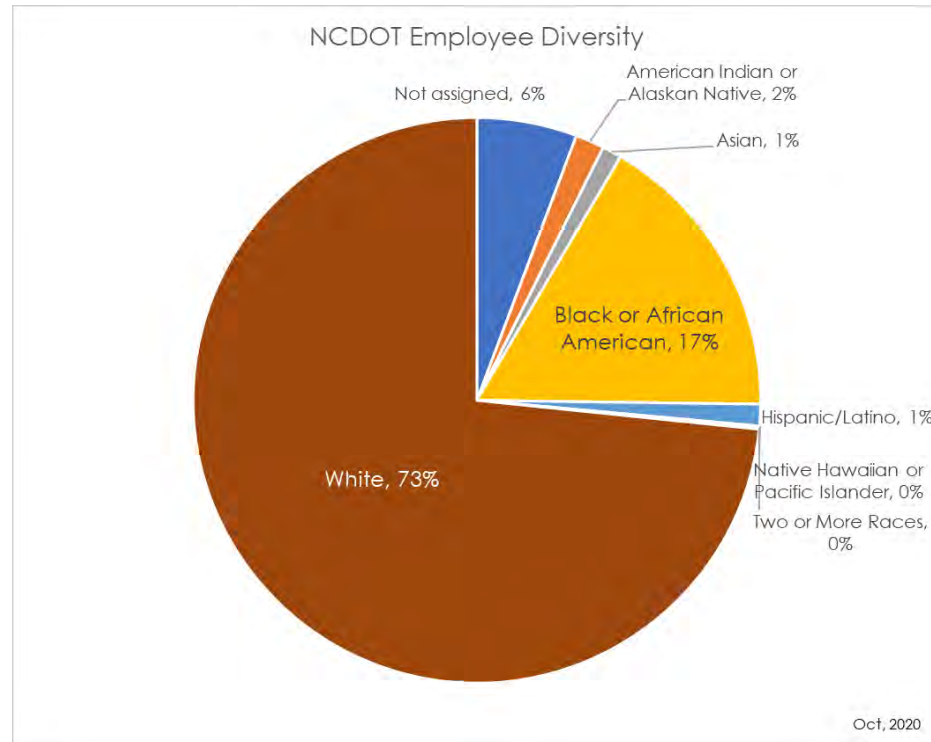
NCDOT Gender



Oct 2020

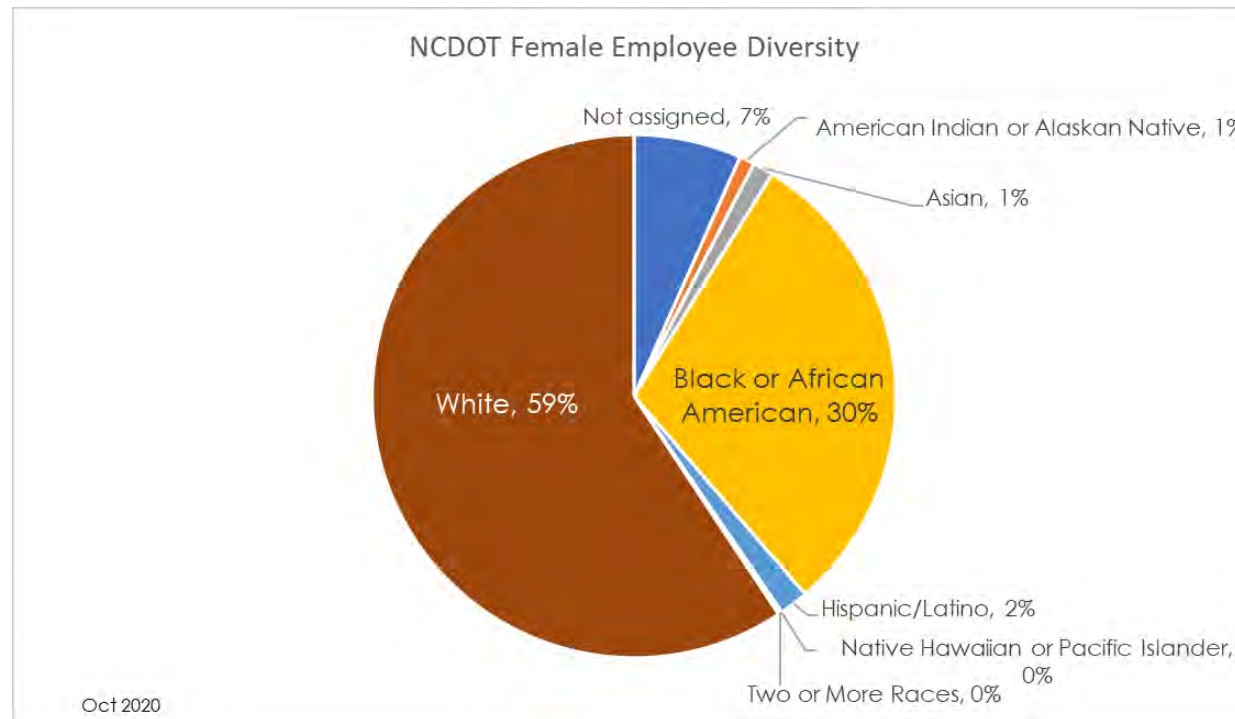
# Workforce Demographics (Continued)

## NCDOT Employee Diversity



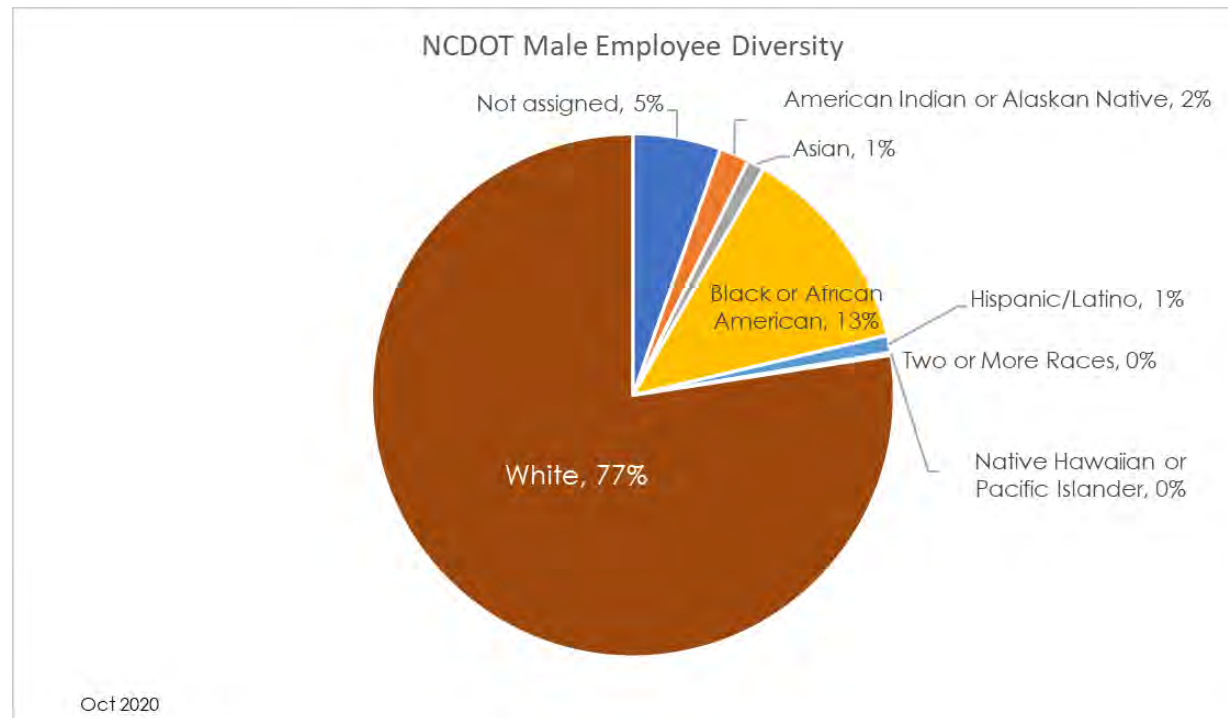
# Workforce Demographics (Continued)

## NCDOT Employee Diversity—Female Population



# Workforce Demographics (Continued)

## NCDOT Employee Diversity—Male Population



# Proposed Committee Meeting Schedule

## ✓ Meet Quarterly as Follows:

- March 2021
- June 2021
- September 2021
- December 2021



# Diversity Equity & Inclusion (DEI) Advisory Group

## ✓ Overview

## ✓ Mission Statement

- *The mission of the NCDOT DEI Advisory Group is to develop solutions on how to create a more diverse and inclusive culture within the Department. Members of the workgroup will create an established and achievable diversity strategy and align it with the vision and mission contained in our organization.*



# Unconscious Bias Training

- ✓ Training was rolled out to employees on August 27<sup>th</sup>
- ✓ 14 Micro Modules
- ✓ Each module was only 5 to 8 minutes in duration  
(*equated to less than 90 minutes of training*)
- ✓ OSHR offered this training free of charge
- ✓ Deadline for Completion → September 21<sup>st</sup>
- ✓ 91% Completion Rate across the Agency

## Planning Discussion

**What types of information would you like to be shared with you in future committee meetings?**

# Questions?



**Darryl Bass**

**919-707-4430 or  
dbass3@ncdot.gov**



## **NORTH CAROLINA**

Department of Transportation



# Autonomous Vehicles

Kevin Lacy, PE, State Traffic Engineer

November 2020



# Nomenclature -Connected



Vehicles Connected to:

Each other sending information to each other about speed, braking, other information needed to make decisions

To the Infrastructure to determine roadway conditions, signal condition, levels of congestion on various routes, much more

Image from [www.networkworld.com](http://www.networkworld.com)

# Nomenclature – Autonomous

<https://www.ll.mit.edu/publications/images/publications/urbanchallenge1.jpg>



<http://www.govtech.com/fs/Autonomous-Cars-Could-Increase-Drivership-11-Percent-Researchers-Estimate.html>



[http://si.wsj.net/public/resources/images/BN-MC635\\_0114dr\\_P\\_20160114143938.jpg](http://si.wsj.net/public/resources/images/BN-MC635_0114dr_P_20160114143938.jpg)

747



<http://www.insurancejournal.com/news/national/2015/04/24/365573.htm>



# Nomenclature – Levels of Autonomy



Levels of autonomy based on the Society of Automotive Engineers' (SAE International) guidelines.

# Some Big Questions

**When will self driving vehicles (SDV) be available?**

Will SDV increase or decrease traffic congestion?

Will SDV create a higher level of safety on our transportation system?



# Some Big Questions

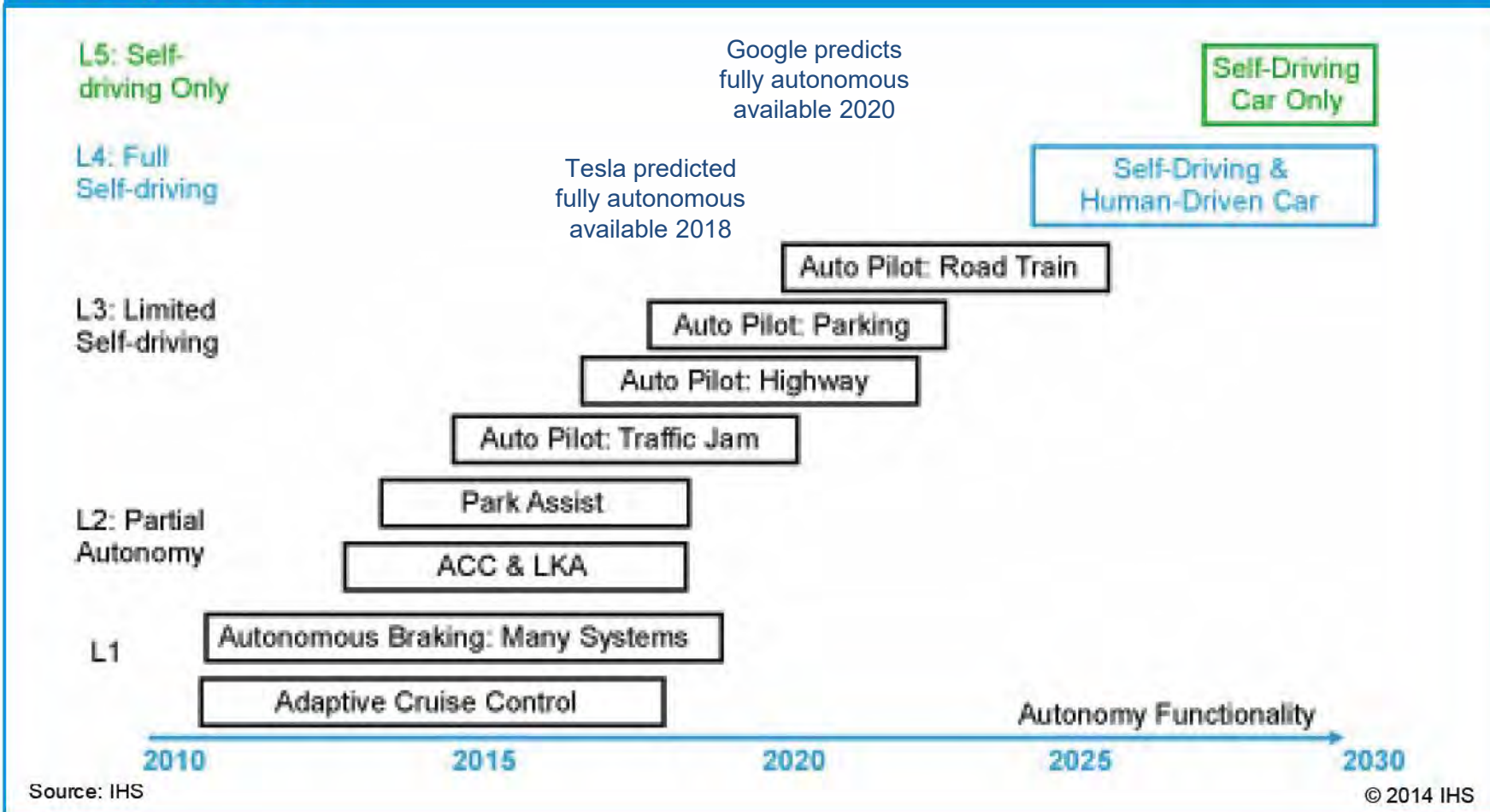
Who is responsible when a SDV gets involved in a crash?

Will I still be able to drive my car when SDV become available?

...

# When ??

## Self-driving car evolution



# Gartner Hype Cycle for Emerging Technologies, 2019



[gartner.com/SmarterWithGartner](https://gartner.com/SmarterWithGartner)

Source: Gartner  
© 2019 Gartner, Inc. and/or its affiliates. All rights reserved.



# Today

## Driverless Shuttle a Smart Move for Centennial Campus



<https://news.ncsu.edu/2020/02/driverless-shuttle-a-smart-move-for-centennial-campus/>

# Today

**Waymo has driver less permits in California, and testing a ride hailing app in Arizona**



## Ride with ease.

Waymo knows the roads and shows you what it's seeing along the way. Want to get in touch? Support is just a tap away.

## Avoid the stress of driving

Get there safely with a driver that sees in all directions, never takes its eyes off the road, and has over 10 million miles of experience.



754

# Waymo's Experience

- 20+ million self-driven miles
- 15+ billion Simulated Miles
- 5 Generations of Self-Driving Vehicles
- Has operated in 9 States and DC (WA, CA, AZ, NV, NM, TX, GA, FL, MI)

<https://storage.googleapis.com/sdc-prod/v1/safety-report/2020-09-waymo-safety-report.pdf>





**Over 100,000 paid self driving rides in Las Vegas**

**Over 1.5 million miles traveled in highly congested, highly distracting, and mixed vehicle environment. This is more “real-world” experience than most drivers will achieve in a lifetime.**

# Tipping the Scale with Beta?

Model S



Elon Musk and Tesla have MOXIE

**Tesla is putting 'self-driving' in the hands of drivers amid criticism the tech is not ready**

<https://www.washingtonpost.com/technology/2020/10/21/tesla-self-driving/>

Tesla also has lawyers:

*"As we have stated consistently, no vehicle available for purchase today is capable of driving itself. The most advanced vehicle technologies available for purchase today provide driver assistance and require a fully attentive human driver at all times performing the driving task and monitoring the surrounding environment. Abusing these technologies is, at a minimum, distracted driving. Every State in the Nation holds the driver responsible for the safe operation of the vehicle."*



# What about trucks?



<https://www.youtube.com/watch?v=ffNHS96LdCI>

# Some Big Questions

When will self driving vehicles (SDV) be available?

**Will SDV increase or decrease traffic congestion?**

Will SDV create a higher level of safety on our transportation system?

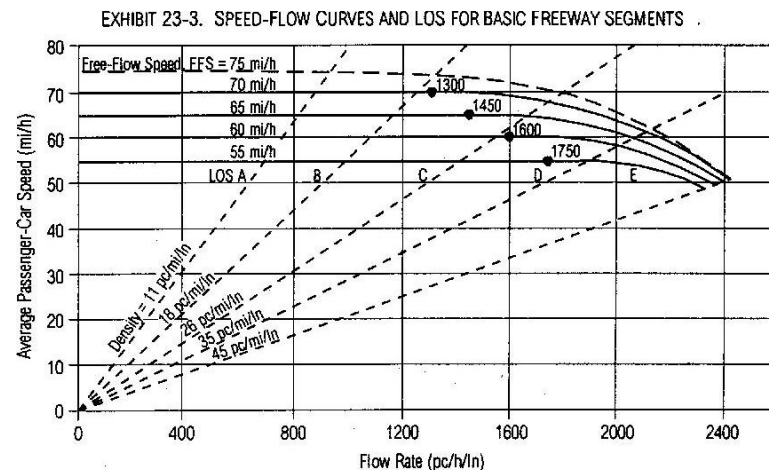
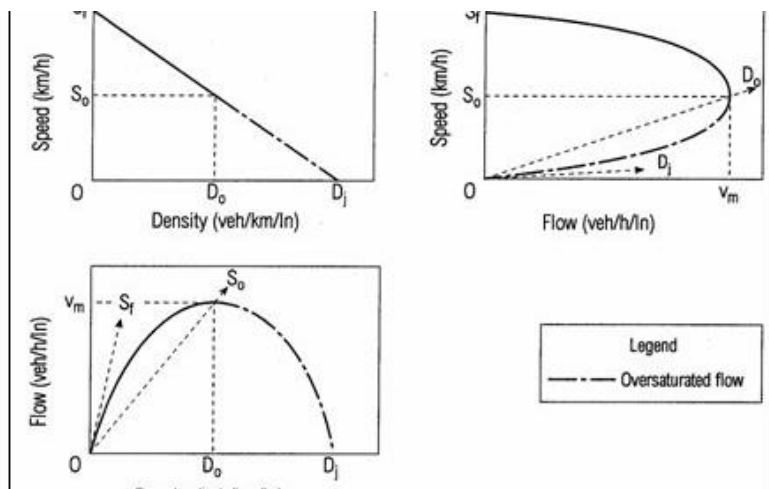
# Congestion



# Congestion and Traffic Flow

Curves below based upon 100% human drivers.

Some speculations have been made on what happens with mixed machine and human drivers. And it will be different when there is more machine drivers than human.





# SDV and Congestion

Will there be more cars?

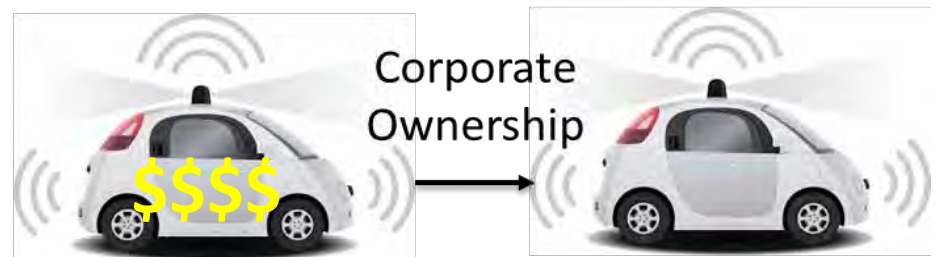
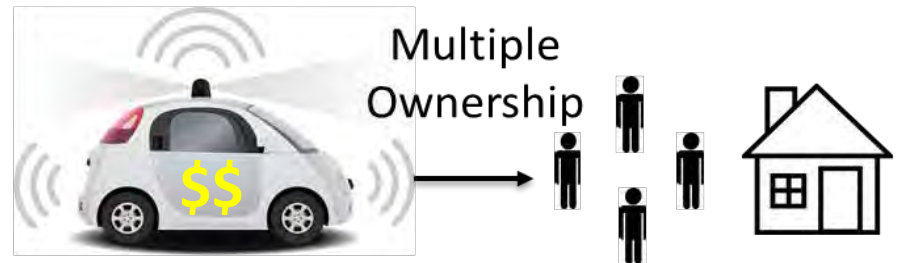
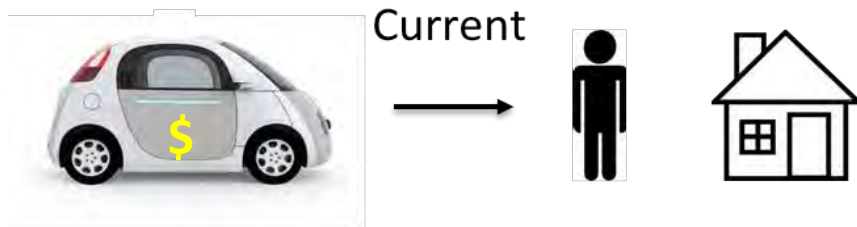
Maybe

Will there be more Vehicle Miles Traveled?

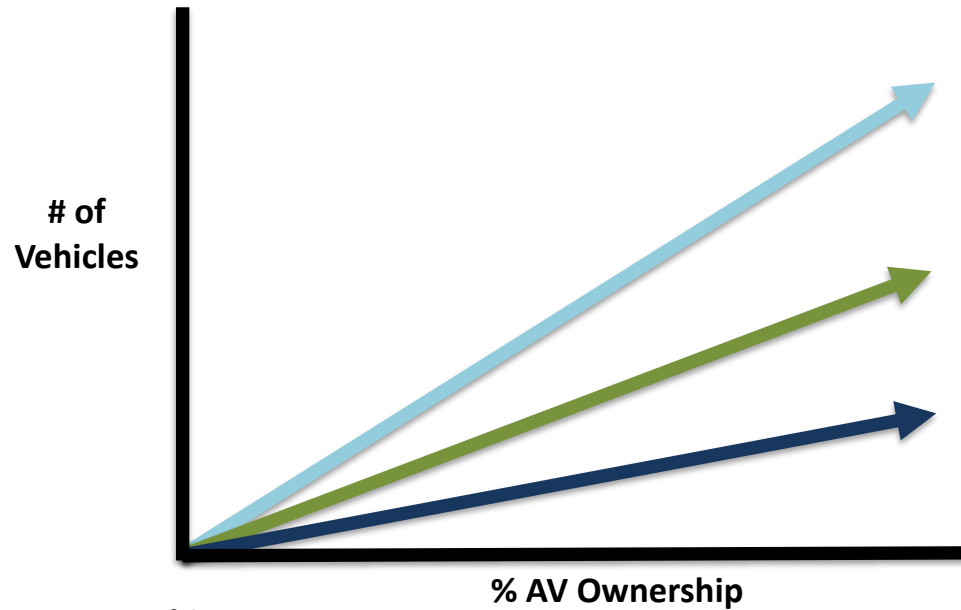
Yes

# More Cars?

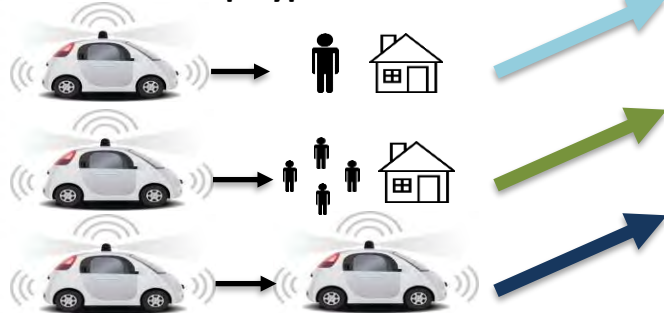
**\$ = Cost of Ownership, initial purchase, maintenance, fuel/energy, etc.**



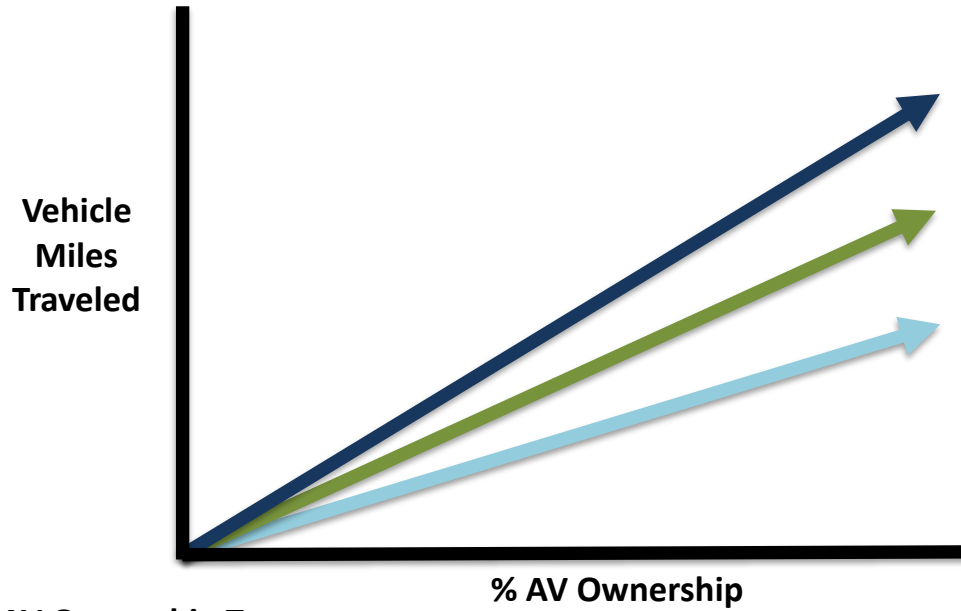
# Possible Trends – # of Vehicles



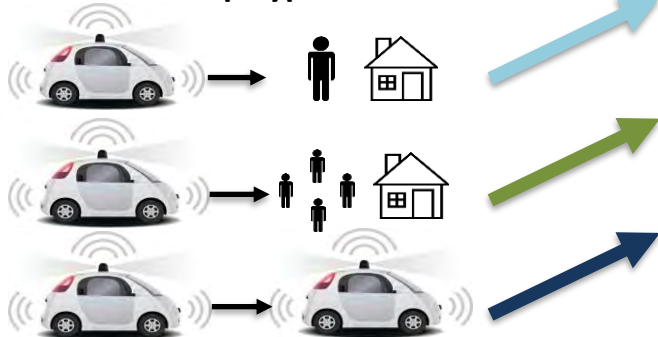
AV Ownership Type



# Possible Trends – Vehicle Miles Travelled



AV Ownership Type

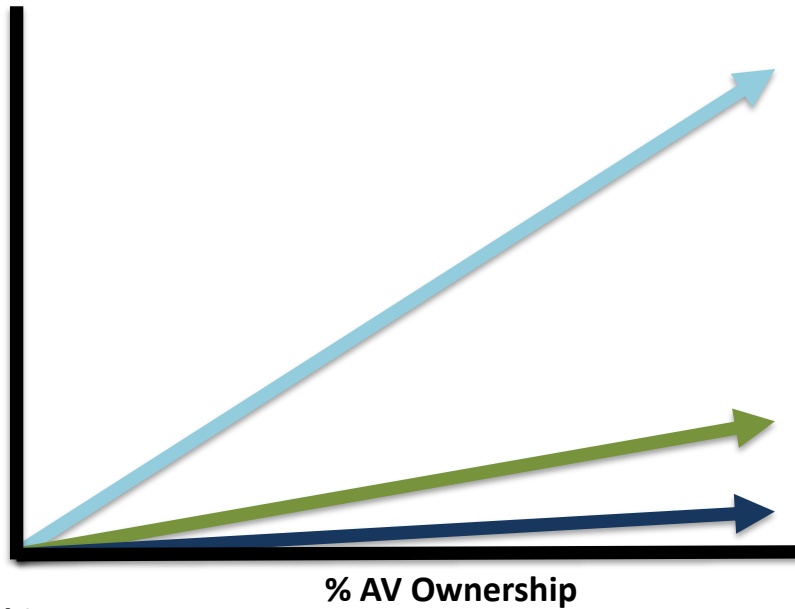


Waymo announces over 20 Million miles driven  
September 2020

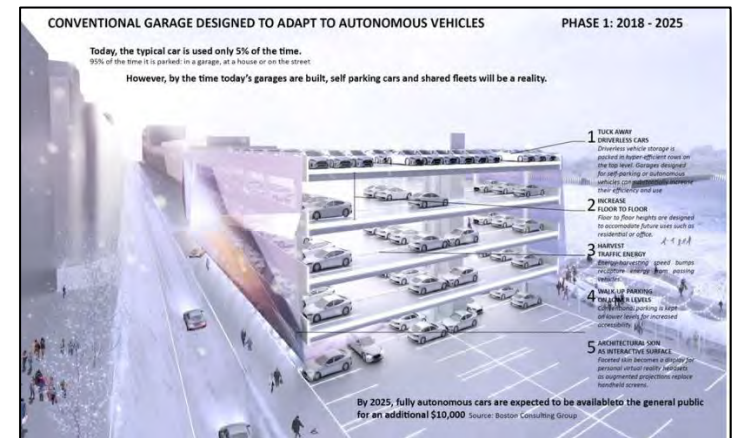
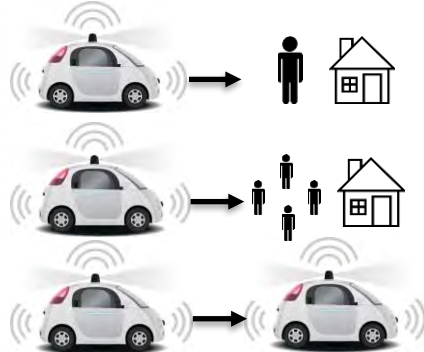


# Possible Trends - Parking

Parking  
Spaces /  
Facilities  
Required

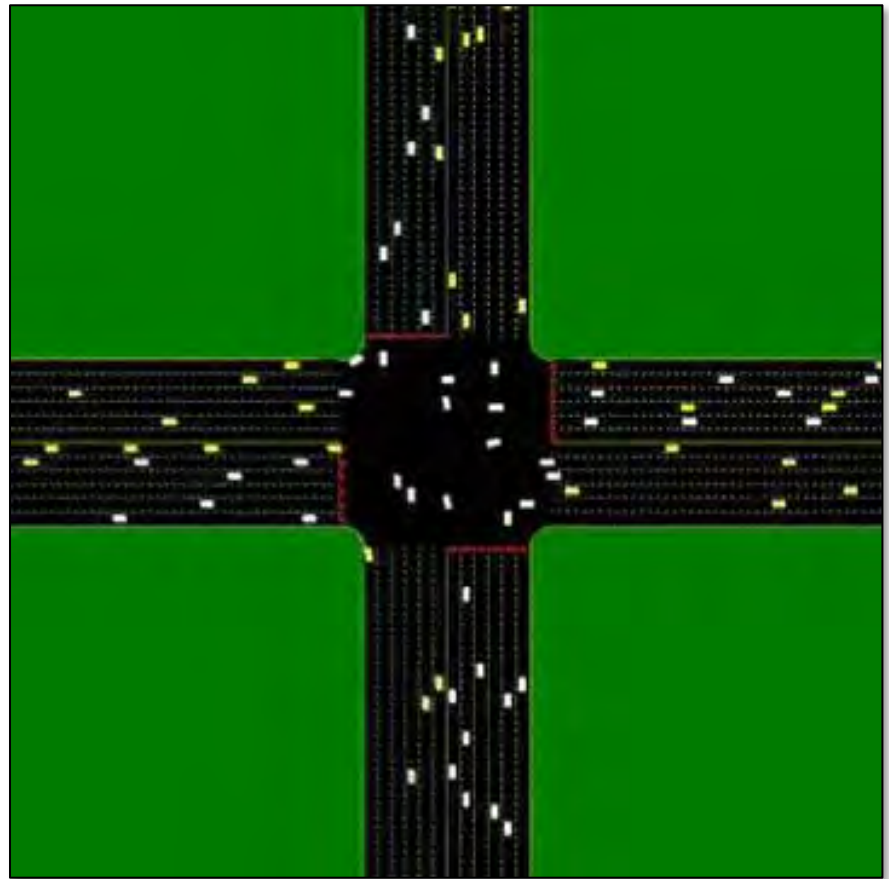


AV Ownership Type



## Possible Trends – Capacity

- Capacity should increase, regardless of the ownership model
- More efficient use of ROW and intersections
- But, with less parking and more vehicles on the road, do we lose this advantage?



Autonomous Intersection Management

# More Vehicle Miles Traveled?

Likely to increase due to empty vehicle movement.

Could decrease because of the higher ride sharing service availability (depends on price point, and opinions may be different after covid)

What about the Chauffeur Experiment?

# Chauffeur served as the SDV



=



Finding 1: VMT increased for 85% of the subjects ranging from 4% to 341% with an overall average of 83% increase.

Finding 2: All subjects sent their car off “empty” for errands or to pick up family and friends. Twenty-one percent of the VMT was zero occupancy.

Finding 3: Activity patterns changed, with people taking more trips (on average 58% increase in the number of trips), traveling more in the evening, and taking longer trips (91% increase in trips longer than 20 miles)

# Chauffeur served as the SDV



=



Finding 4: The impact on walking was inconclusive on walking, 30% of subjects decreased the miles and 70 percent increased their miles walked, (31% and 37 % respectfully).

Finding 5: Cohort groupings behaved differently. Three groups, Retirees, Families, and Millennials.

Small beta-test from 13 San Francisco Bay area households.

[http://www.joanwalker.com/uploads/3/6/9/5/3695513/harb\\_et\\_al\\_chauffeur\\_-\\_nov\\_2017\\_working\\_paper.pdf](http://www.joanwalker.com/uploads/3/6/9/5/3695513/harb_et_al_chauffeur_-_nov_2017_working_paper.pdf)



# How SDV could decrease Congestion

By utilizing more of the transportation system. Drivers stick to the same roads leaving some roads underutilized.

By driving closer together both laterally and horizontally. This allows more vehicles to use the same space.

# How SDV could eliminate congestion as a concern

If you do not have to drive and that time is returned to you to accomplish other tasks, connect with family and friends, or for entertainment, then congestion may become IRRELEVANT.

Smart phones, tablets and laptops have turned non-productive waiting times into time things can get accomplished.

We will provide future presentations on these and the other questions concerning Self Driving Vehicles. If there are specific questions that you are interested in, please let me know and we will work on it.



**For More Information Contact:**

**Kevin Lacy, PE**

**[jklacy1@ncdot.gov](mailto:jklacy1@ncdot.gov)**

**<http://www.ncav.org/>**

# COVID-19 Impacts on Rural Transit in NC

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PERSPECTIVE FROM MACON COUNTY, NC  
PRESENTED BY KIM ANGEL, TRANSIT DIRECTOR  
MACON COUNTY TRANSIT

# Impacts and Changes to Service

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- **Ridership Loss** – as high as 74% early in the pandemic, currently about 35% when compared to one year ago
- **Staff Changes**– Ten PT employees terminated in early April, three have been rehired - it is now harder to attract operators due to the potential health hazards
- **Single Transports** – Nursing facility residents transported individually in the vehicle to reduce risk of exposure (still doing this)
- **Reduced Capacity** – Vehicle maximum capacity reduced to 50% of full load in order achieve social distancing (still doing this)
- **Route Changes** – Deviated fixed route reduced to one-hour loop rather than 30-minute loops

# Impacts and Changes to Service (continued)

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- Increased cleaning of vehicles during shift hours and after route completion
- Installed Plexiglass shields in vehicles between vehicle operator/front seat and passenger seating area
- Providing senior meal delivery (still doing this)

# Impacts on Revenue

---

- **Social Distancing** – Social distancing requirements reduce capacity on vehicles. Services that previously could be accomplished using one vehicle now requires two. As ridership increases again, this will require additional drivers and vehicles.
- **Cleaning Supplies & PPE** – Increased cleaning requires the purchase of more cleaning supplies. The need for PPE while in close contacts with riders and while cleaning the vehicles increases expenses.
- **Contract Rate Increases Not a Likely Option**– Rate increases will likely result in more loss of ridership as agencies likely do not have funds to pay more for transportation costs.
- **Local Government Support Limited** – Asking local governments for more funding will be extremely challenging given the losses that are being experienced by reduced tourism and sales tax revenues because of the COVID-19 pandemic.
- **Lost Revenue for Trips Not Provided** – Every transit system has suffered from the trips that “could have been provided” in pre-COVID. (Example on next slide)

# Impacts on Revenue

LOST TRIP REVENUE - MAY 2019 VS MAY 2020

MAY '19	MAY '20	DIFF	MAY '19 BILL	MAY '19 COST/TRIP	MAY '20 LOSS
1130	296	-834	\$17,594.10	\$15.57	\$(12,985.38)
35	5	-30	\$ 1,548.00	\$44.23	\$ (1,326.86)
12	0	-12	\$ 32.28	\$2.69	\$ (32.28)
473	876	403	\$ 5,959.80	\$12.60	\$ 5,077.80
39	14	-25	\$ 607.23	\$15.57	\$ (389.25)
179	88	-91	\$ 3,063.01	\$17.11	\$ (1,557.17)
12	0	-12	\$ 186.84	\$15.57	\$ (186.84)
1	0	-1	\$ 18.70	\$18.70	\$ (18.70)
13	0	-13	\$ 351.07	\$27.01	\$ (351.07)
94	34	-60	\$ 1,687.30	\$17.95	\$ (1,077.00)
18	0	-18	\$ 585.00	\$32.50	\$ (585.00)
24	2	-22	\$ 1,560.00	\$65.00	\$ (1,430.00)
279	132	-147	\$ 4,856.48	\$17.41	\$ (2,558.79)
4	0	-4	\$ 82.52	\$20.63	\$ (82.52)
23	0	-23	\$ 412.85	\$17.95	\$ (412.85)
10	0	-10	\$ 210.73	\$21.07	\$ (210.73)
300	150	-150	\$ 5,260.73	\$17.54	\$ (2,630.37)
<b>2646</b>	<b>1597</b>	<b>-1049</b>	<b>\$44016.64</b>		<b>\$ (20,757.01)</b>

LOST TRIP REVENUE - SEPT 2019 VS SEPT 2020

SEPT '19	SEPT '20	DIFF	SEPT '19 BILL	SEPT '19 COST/TRIP	FY21 LOSS
1003	0	-1003	\$15,616.71	\$15.57	\$ (15,616.71)
24	0	-24	\$ 912.22	\$38.01	\$ (912.22)
340	616	276	\$ 4,284.00	\$12.60	\$ 3,477.60
20	19	-1	\$ 342.54	\$17.13	\$ (17.13)
252	143	-109	\$ 5,717.47	\$22.69	\$ (2,473.03)
2	0	-2	\$ 105.92	\$52.96	\$ (105.92)
16	0	-16	\$ 249.12	\$15.57	\$ (249.12)
140	36	-104	\$ 2,513.00	\$17.95	\$ (1,866.80)
4	0	-4	\$ 130.00	\$32.50	\$ (130.00)
6	2	-4	\$ 390.00	\$65.00	\$ (260.00)
192	1235	1043	\$ 3,101.67	\$16.15	\$ 16,849.18
6	0	-6	\$ 97.14	\$16.19	\$ (97.14)
159	32	-127	\$ 3,900.58	\$24.53	\$ (3,115.56)
244	0	-244	\$ 4,211.54	\$17.26	\$ (4,211.54)
<b>2408</b>	<b>2083</b>	<b>-325</b>	<b>\$ 41,571.91</b>		<b>\$ (8,728.39)</b>

# Increase in Cost to Provide Trips

Loss in ridership and social distancing requirements on the vehicles results in higher cost to provide a trip. In order to make up for the higher costs, the system will either have to raise contract pricing or ask local governments to increase their share of funding.

	JULY-AUGUST EXPENSES		FULL YEAR EXPENSES		FULL YEAR EXPENSES	
	ACTUAL		FY21 ASSUMES MONTHLY EXPENSES AND MONTHLY TRIPS STAY EXACTLY THE SAME EACH MONTH		FY21 ASSUMES 10% INCREASE IN COST AND 10% INCREASE IN RIDERSHIP	
ACCOUNT DESCRIPTION	FY19 YTD	FY21 YTD	FY19 YTD	FY21 YTD	FY19 YTD	FY21 YTD
SALARY	\$25,858.38	\$31,442.01	\$223,784.33	\$188,652.06	\$223,784.33	\$207,517.27
PART-TIME SALARY	\$21,054.19	\$4,106.46	\$130,558.09	\$24,638.76	\$130,558.09	\$27,102.64
MEDICARE/FICA	\$3,307.45	\$2,474.07	\$25,119.81	\$14,844.42	\$25,119.81	\$16,328.86
HOSPITALIZATION	\$11,294.00	\$13,024.80	\$68,939.38	\$78,148.80	\$68,939.38	\$85,963.68
LIFE INSURANCE	\$88.20	\$67.20	\$518.70	\$403.20	\$518.70	\$443.52
RETIREMENT	\$2,355.95	\$3,216.53	\$17,573.68	\$19,299.18	\$17,573.68	\$21,229.10
COUNTY 401K	\$601.78	\$628.87	\$4,475.77	\$3,773.22	\$4,475.77	\$4,150.54
GASOLINE/FUEL OIL/LUBRICANTS	\$6,367.91	\$2,843.47	\$71,437.91	\$17,060.82	\$71,437.91	\$18,766.90
VEHICLE REPAIRS & MAINTENANCE	\$6,308.37	\$3,548.73	\$32,347.11	\$21,292.38	\$32,347.11	\$23,421.62
COVID-RELATED EXPENSES		\$203.00		\$1,218.00		\$1,339.80
	\$77,236.23	\$61,555.14	\$574,754.78	\$369,330.84	\$574,754.78	\$406,263.92
DIFFERENCE IN EXPENSES		-20%		-36%		-29%
TRIPS PROVIDED	5,772	2,892	47,365.00	17,352	47,365.00	19,087
COST PER TRIP	\$13.38	\$21.28	\$12.13	\$21.28	\$12.13	\$23.41
DIFFERENCE IN COST PER TRIP		59%		75%		93%

# Gaps Not Covered By CARES

---

- **No Match for Other Federal Grants** – Federal funds from one source cannot be used as match for other federal grants
- **No Specialized Services** – CARES funds must be used specifically under federal guidelines for general public service and cannot be used to provide specialized services such as routes that serve only elderly or disabled residents



# How CARES Funds Could Have Been Used If No State Funding Losses

---

- Extend the use of funds for operating costs due social distancing requirements (additional staff to support more routes, additional cleaning, etc) This will not be possible due to H77 removing all state ROAP & SMAP funds and expecting CARES Act funds to supplant anticipated allocated funds
- Purchase vehicles to offset social distancing requirements
- Purchase vehicle air filtration systems
- Purchase fogger machines for disinfection
- Purchase technology for cashless transactions
- Increase number of ADA minivans for use

# Contact Information:

KIM ANGEL, TRANSIT DIRECTOR

MACON COUNTY TRANSIT

[KANGEL@MACONNC.ORG](mailto:KANGEL@MACONNC.ORG)

828-349-2222

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## **NORTH CAROLINA**

Department of Transportation



# August Redistribution and Federal Update

H. Tasaico, PE

November 4, 2020

# Background - Federal Aid Key Terminology

## The Four “A” & Two “O” Words

- Authorizations – set upper limit of funding
- Appropriation – set specific amount
- Apportionment – statutory formula distribution to states
  - All state are recipients
- Allocation – administrative distribution to specific programs
  - Not all state are recipients
- Obligation – commitment to reimburse states for eligible costs
- Outlay - payment to states for eligible cost incurred

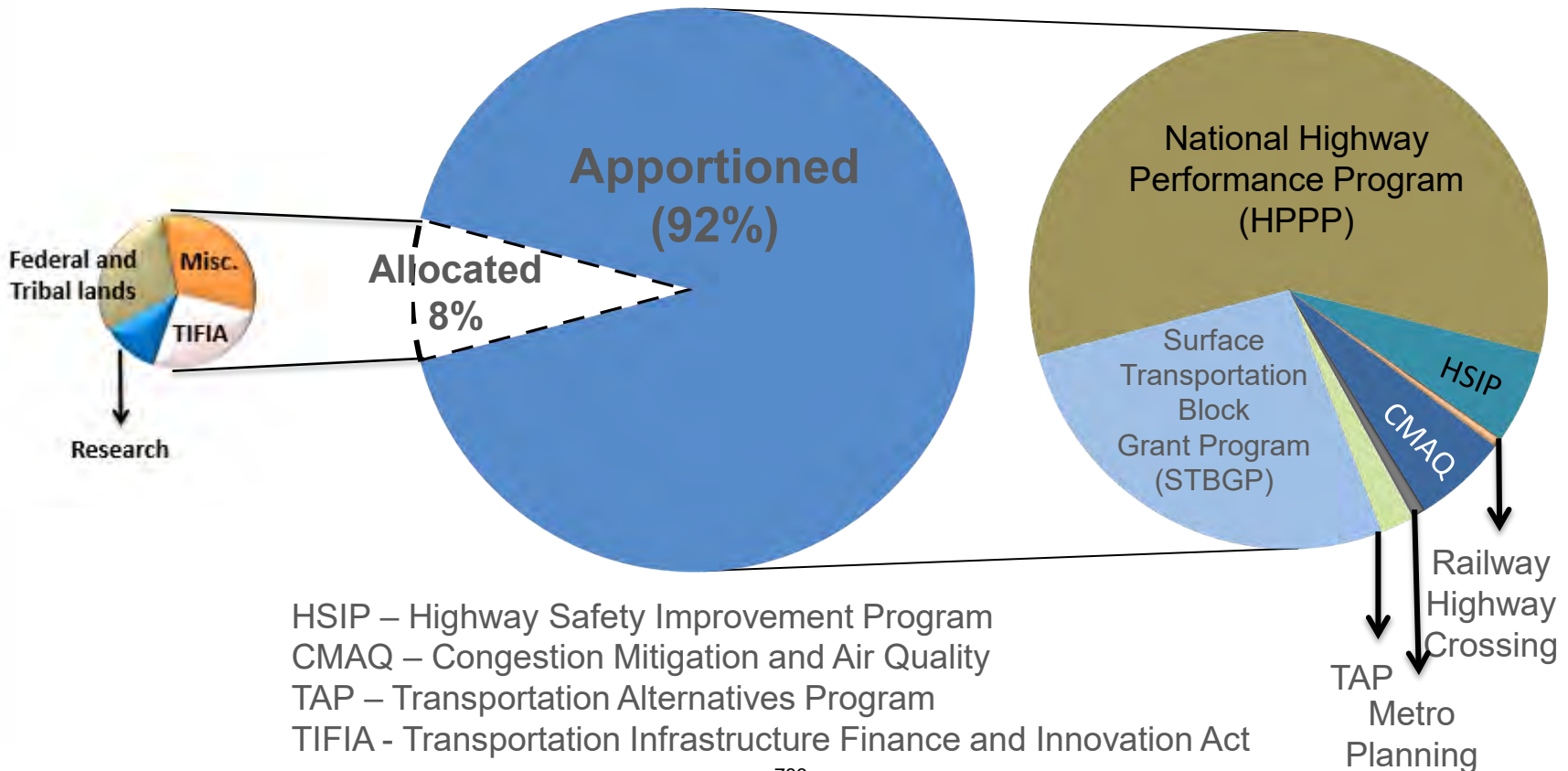
# FAST Highway Funds – Allocated vs Apportioned

## Allocated (8%)

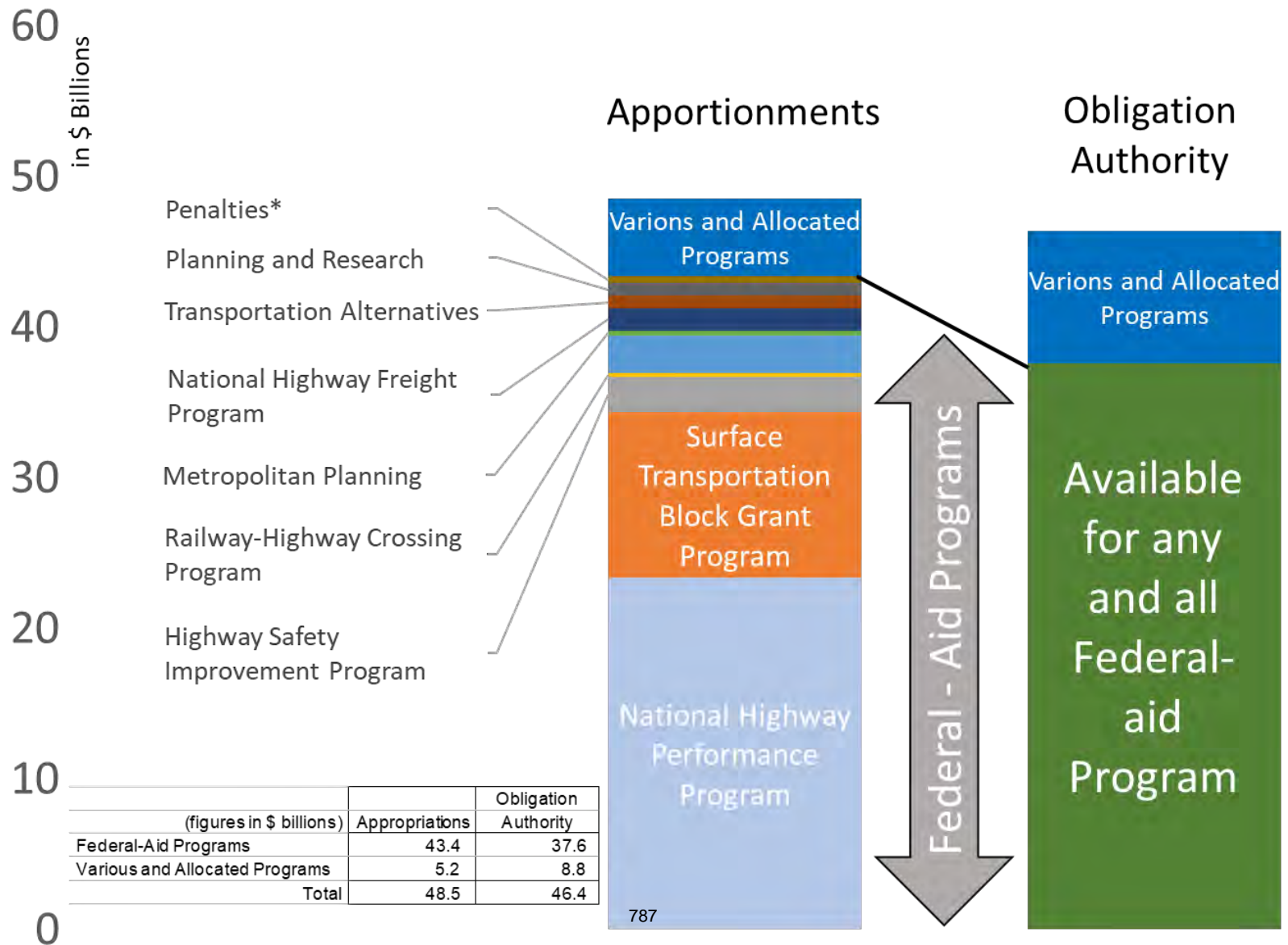
- No formula specified by law
- Distributed throughout the year
- Discretionary grants may be withdrawn by administrative action
- Only some States are recipients

## Apportioned (92%)

- Distributed by formula specified in law
- Distributed on October 1<sup>st</sup>
- Withdrawn only by law
- All States are recipients



# Highway Funds – Apportionment and Obligation Authority

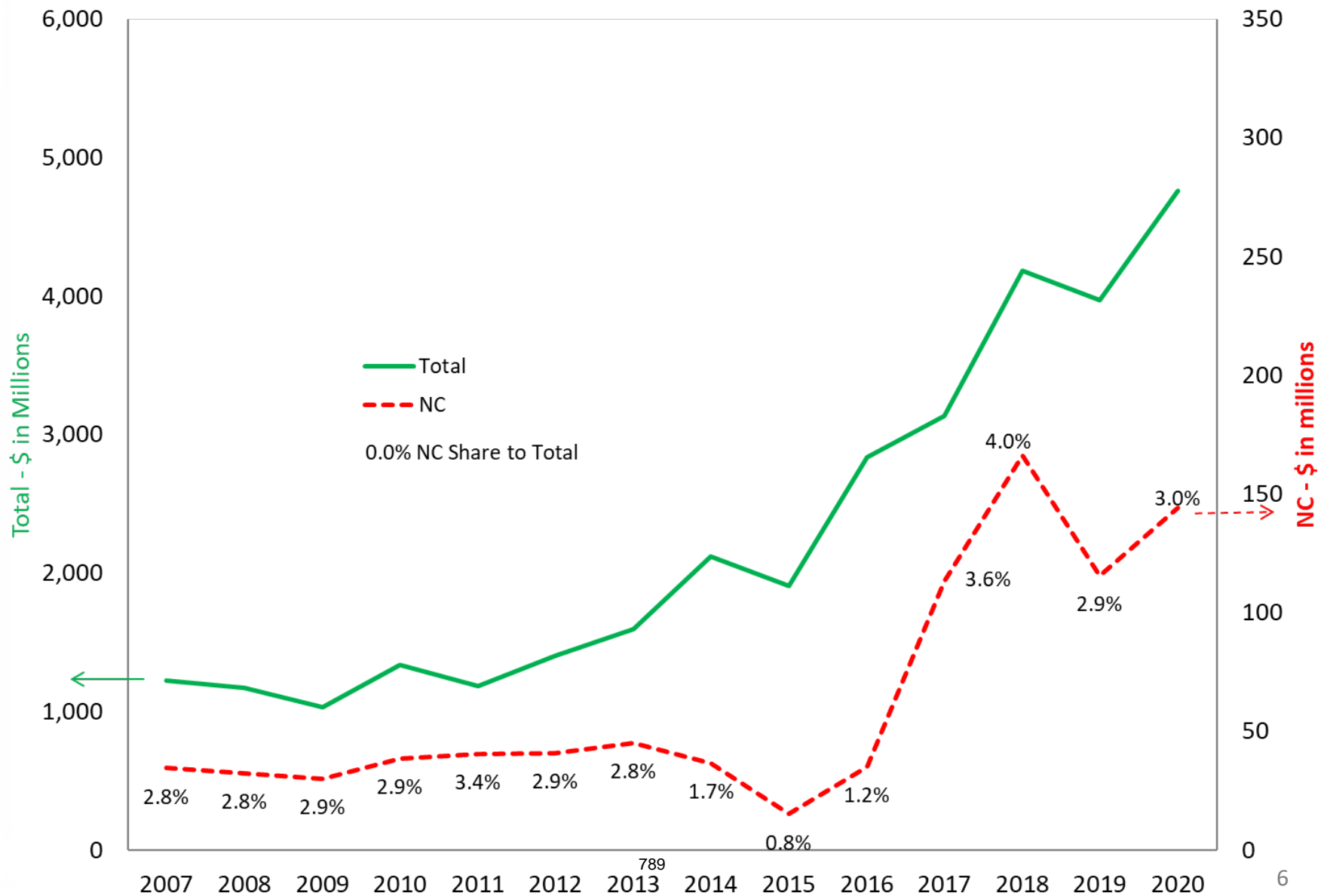


## August Redistribution - Purpose

- Required pursuant to the annual appropriations act
- Redistributes the obligation limitation
  - From those States and programs that are unable to obligate their share of the full obligation ceiling
  - To States that can obligate more than their initial share of the ceiling
- Ensures that all one-year obligation limitation is used each fiscal year so that it does not expire



# US and NC August Redistribution





# FFY 2020 - Obligation Authority Comparison

Obligation Authority (OA)			August Redistribution (AR)			OA + AR		
State	Rank	Share	State	Rank	Share	State	Rank	Share
Texas	1	9.57%	California	1	10.37%	Texas	1	9.60%
California	2	9.42%	Texas	2	9.87%	California	2	9.53%
Florida	3	4.95%	New York	3	5.89%	Florida	3	4.93%
Pennsylvania	4	4.29%	Florida	4	4.76%	Pennsylvania	4	4.31%
New York	5	3.76%	Pennsylvania	5	4.42%	New York	5	4.00%
Illinois	6	3.51%	Ohio	6	3.64%	Illinois	6	3.50%
Ohio	7	3.43%	Illinois	7	3.46%	Ohio	7	3.46%
Georgia	8	3.36%	Missouri	8	3.20%	Georgia	8	3.07%
Michigan	9	2.75%	New Jersey	9	3.15%	North Carolina	9	2.76%
North Carolina	10	2.73%	North Carolina	10	3.02%	Michigan	10	2.68%

# Federal Status (10/30/2020)

- No clear path to next COVID-19 response



## Balance Thresholds

Highway \$4B

Transit \$1B

## Actions FHWA may take

- Move from daily to weekly reimbursements
- Align reimbursements with Trust Fund deposits (twice monthly)
- Make proportional payments to States based on available Trust Fund cash
- Others depending on exact nature of shortfall

# FFY 2021 – Appropriations

HR8337 – 1<sup>st</sup> CR to December 11 (72 days)

- Introduce in House 9/22
- Signed by President 10/1
- FHWA Notice 10/13
- FAST Act one-year extension and \$13.6B transfer to Federal HTF

	Total	NC
FFY 2021 (annual) <sup>1</sup>	\$43.4B	\$1.1B
N4520.267 (19.73%) <sup>2</sup>	9.1B	197.5M

2<sup>nd</sup>, 3<sup>rd</sup> CRs to .....(?? Days)

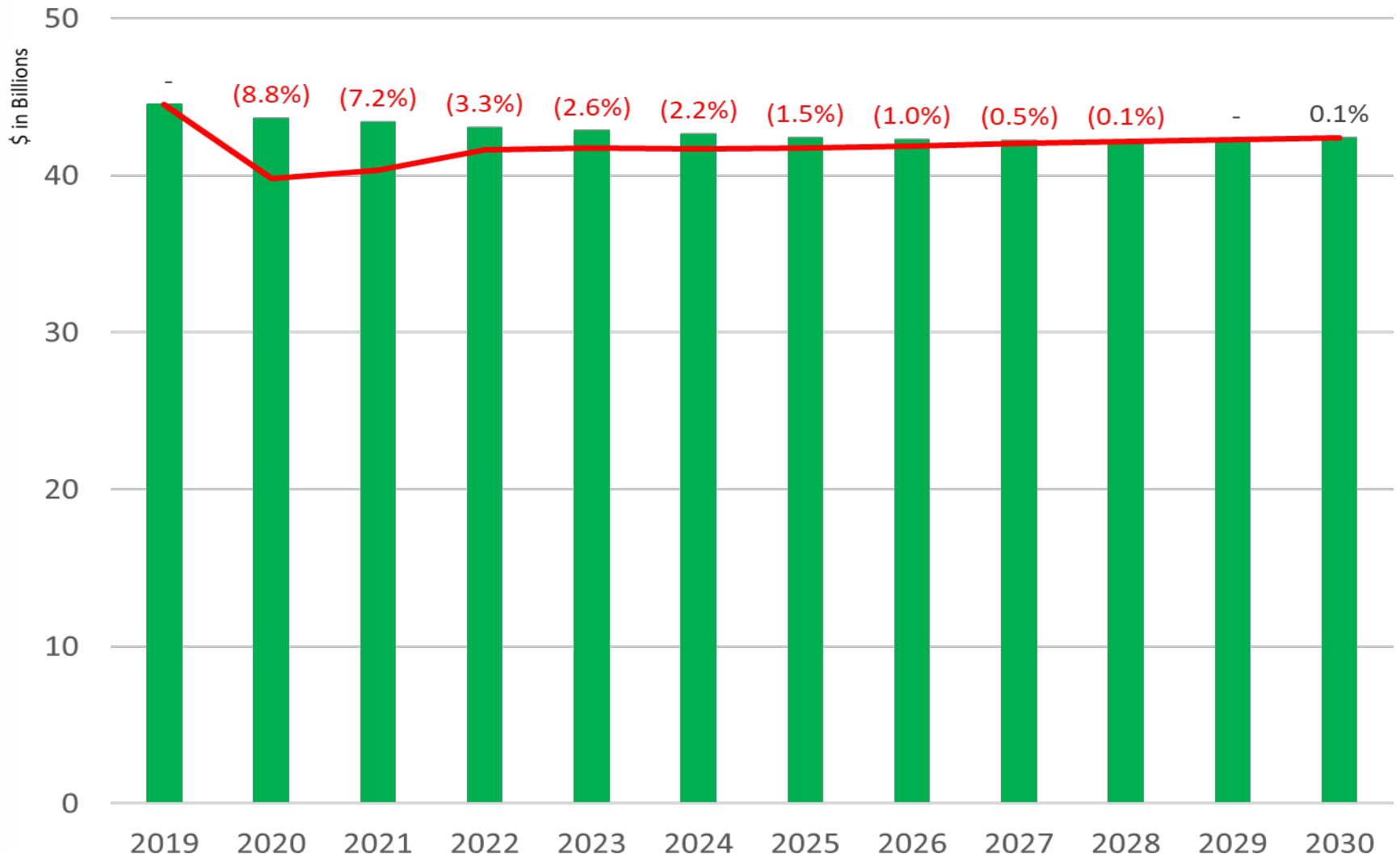
	Total	NC
FFY 2021 (annual)		

<sup>1</sup> Apportionment

<sup>2</sup> Obligation Authority

# CBO Forecast Comparison

(in Federal Fiscal Years)



CBO – Congressional Budget Office

Note: 2020 Actuals were -1.5% below January/2020 Forecast

■ Jan-20    — Sep-20



## NORTH CAROLINA

Department of Transportation



# Economic Impacts of Interstate Highways

Dana Magliola

Office of Logistics + Freight, NCDOT

*Economic Development + Intergovernmental Relations Committee*

4 November 2020





# Introduction+



## Dana Magliola

- NCDOT Office of Logistics + Freight
- Supply chain/freight PM, SME at NCDOT
- Maritime + freight forwarding background
- Connecting transportation planning, strategy, and investment to commerce + industry



MAERSK



NC STATE UNIVERSITY  
POOLE COLLEGE OF  
MANAGEMENT SCRC

NC STATE  
Industry Expansion Solutions



*I welcome questions + discussion during the presentation.*

## Two Key Viewpoints for Analysis

- Economic Impacts + Relevant Dynamics
- Economic Development Sector Priorities



*Railroad Crossings Bridged (1934) Carl Rakeman*



# Improvements + Supply Chain Efficiencies

- Lowered overall cost of transportation for industry
- Improved travel time reliability + supply chain predictability
- Reduced inventory requirements, increasing working capital, improving industrial + commercial re-investment
- Efficiencies have enabled implementation of JIT or other low-WIP manufacturing practices
- Improved domestic supplier access, cost + choice for companies
- Improved access to the domestic marketplace + international freight assets for international markets
- **Improved overall industrial + economic productivity**

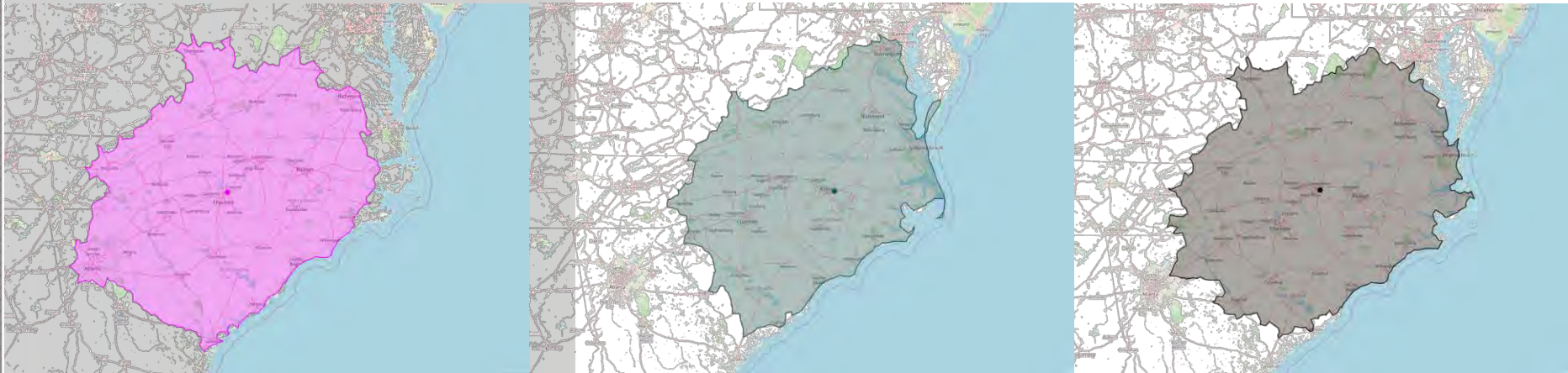


Nadiri, Mamuneas. *Contribution of Highway Capital to Industry and National Productivity Growth*. USDOT, Federal Highway Administration (1996)  
Kitchens, Jaworski, et. al. *The Interstate Highway System and the Development of the American Economy*. Univ. of Colorado (2018)  
797 *Benefits of Interstate Highways*. USDOT, Federal Highway Administration (1983)



# Improved Mobility + Market Access

- Reduced travel times between US counties by 30% between 1960-2010
- Provided efficient access to less expensive land, encouraging development
- Increased retail competition by expanding market access, benefitting consumer purchasing power and choice
- Enables workers to choose from a wider array of employment opportunities
- Enable scale, weight + industrial specialization in heavier goods
- Improved market access improves public health



60 MPH Isochrone

Kitchens, Jaworski, et. al. *The Interstate Highway System and the Development of the American Economy*. Univ. of Colorado (2018)  
*Benefits of Interstate Highways*. United States Department of Transportation, Federal Highway Administration (1983)



# What is the economic impact of interstate highways?

## Conceptual Limitations

- Highway infrastructure impacts are widely varied + can be highly context-specific
- As the network becomes mature/complete, infrastructure investment impacts are disputed
- Socioeconomic factors strongly influence economic outcomes
- National-level data more likely to demonstrate a positive, significant relationship between infrastructure + economic outcomes (*vs. state level or sub-state level data*)
- Economic benefits (and costs) “spillover” into jurisdictions different from where infrastructure is located, further complicating analysis
- *Caveat*: Interstates are a large driver of residential decentralization. This decentralization then contributes to economic expansion.



1962. COURTESY OF FORSYTH COUNTY PUBLIC LIBRARY PHOTOGRAPH COLLECTION



# Impacts We *Can* Articulate

- At the state level (and below) highway infrastructure tends to reallocate (or relocate) economic activity <sup>1</sup>
- Infrastructure investment in a recession more likely to improve unemployment rate; economic expansion impacts not sustained <sup>2</sup>
- Greater public investment offers long-term productivity growth <sup>2</sup>
- Regional impacts are more ambiguous, depend largely on industry + proximity to interstates
- Some industries can see growth, some might just relocate to be closer to the interstate



1. Shatz, Kitchens, et. al. *Highway Infrastructure and the Economy: Implications for Federal Policy*. Rand (2011)

2. Stupak, JM. *Economic impact of Infrastructure Investment*. Congressional Research Service (2018)

3. Chandra, Amitabh & Thompson, Eric. *Does public infrastructure affect economic activity?: Evidence from the rural interstate highway system*. Regional Science and Urban Economics, Elsevier, vol. 30(4) (July 2000)



## Impacts We *Can* Articulate, continued

- By industry:
  - Nationally traded goods (like manufacturing) have higher earnings after an interstate is opened
  - Regionally traded goods (like retail and services), have higher earnings after an interstate is opened in their county; however, earnings reduced in adjacent counties without the interstate.
- By proximity:
  - Counties with an interstate saw earnings rise 6-8% with variation by industrial sector (1969-1993)
  - Counties adjacent to the new interstate saw earnings fall 1-3% with variation by industrial sector



1. Shatz, Kitchens, et. al. *Highway Infrastructure and the Economy: Implications for Federal Policy*. Rand (2011)

2. Stupak, JM. *Economic impact of Infrastructure Investment*. Congressional Research Service (2018)

3. Chandra, Amitabh & Thompson, Eric. *Does public infrastructure affect economic activity?: Evidence from the rural interstate highway system*. Regional Science and Urban Economics, Elsevier, vol. 30(4) (July 2000)

## Impact on Demand Elasticity



- Highway capital [investment] supports productivity growth by reducing production costs
- It also influences demand for capital, labor, and materials
- Reduction in the cost of productions may not necessarily drive price savings for final consumers
- Perfectly competitive industries will pass on savings to the consumer with lower prices.
- If the industries are not competitive, a producer surplus will increase – but the imperfect competitive market allows prices to remain and most likely increases a producer's surplus



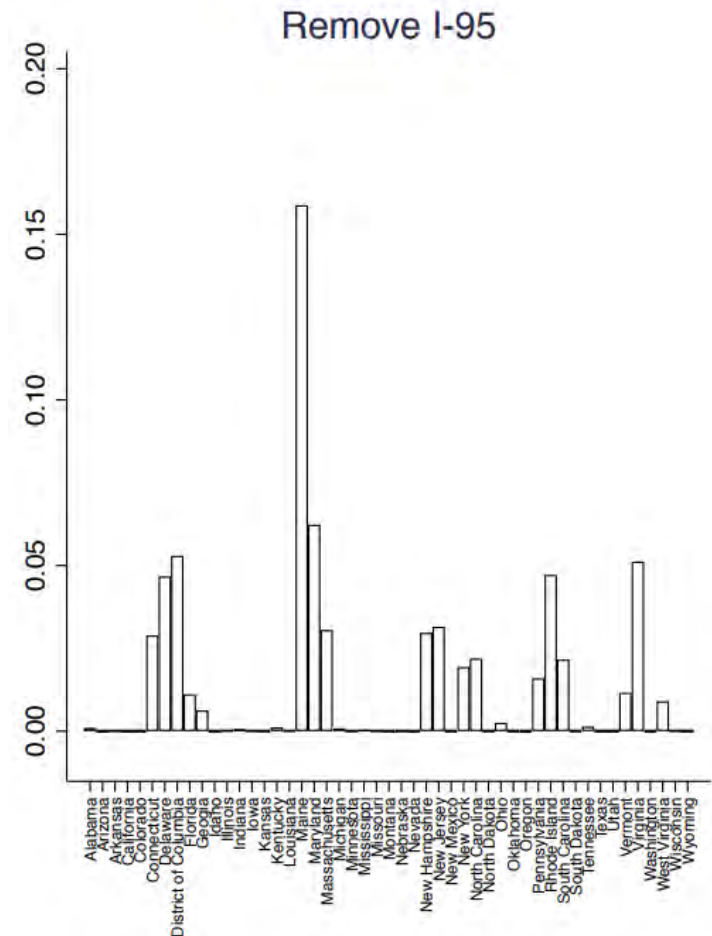
# Counterfactual Approach: I-95

Removal of I-95 would cost the NC economy \$9.9B annually (2010 dollars)

In 2018, a similar impact would cost the North Carolina economy \$14.2B

*This would be the same as eliminating the GDP contributions of these 6 industrial sectors:*

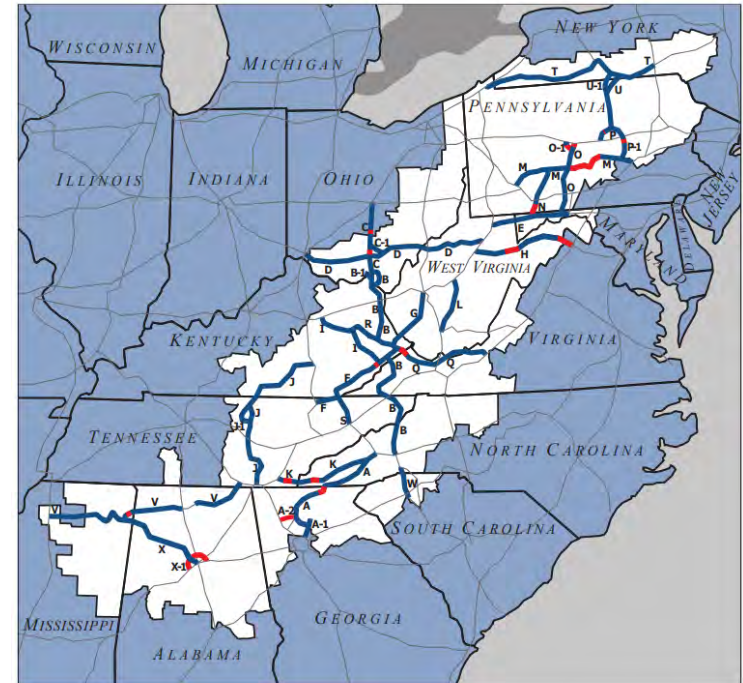
- Electronics Manufacturing (\$3.29B)
- Computer/Communications Equip. Mfg. (\$2.96B)
- Textile Manufacturing (\$2.51B)
- Furniture + Household Goods Mfg. (\$2.45B)
- Building Products Manufacturing (\$1.73B)
- Paper Products Manufacturing (\$1.08B)





# Counterfactual Approach: ADHS

- Reduced total US income by \$53.7B (\$22B in the ARC / \$34B 2015)
- Income lost of \$19.13B in 2010 dollars
- Area population losses would exceed 618,000
- Absence of the ADHS would cause an estimated 0.11 percentage point increase in regional prices
- Showed that manufacturing was most at risk of impact without ADHS
- Over half the benefits accrued for counties outside the ARC (spillover)
- A 2017 study suggests that investments between 1965 and 2015 generated more than \$9B in economic contribution (GRP), and 168,000 jobs



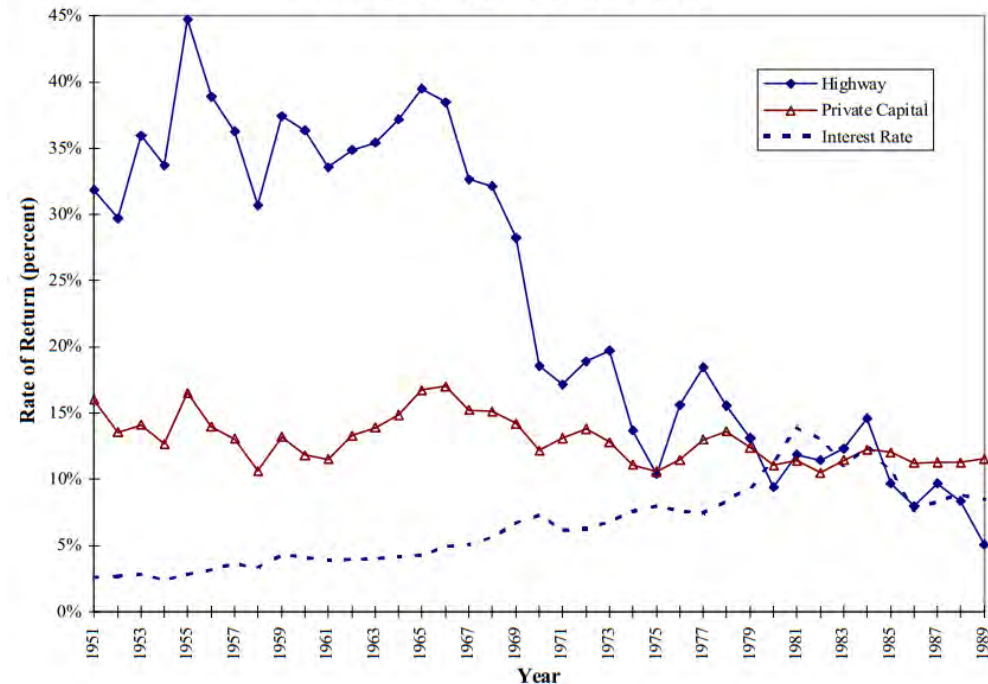
— ADHS Miles Open to Traffic  
 — ADHS Miles Not Open to Traffic



# Declining Rate of Return

- Declining net rate of return for infrastructure investment
- Reduction reflects marginal impact as networks are completed
- Between 1950-1989, social rate of returns on highway capita nearly 28%
- *Context:* some estimates show an overall social rate of return on *paved* roads of 7%

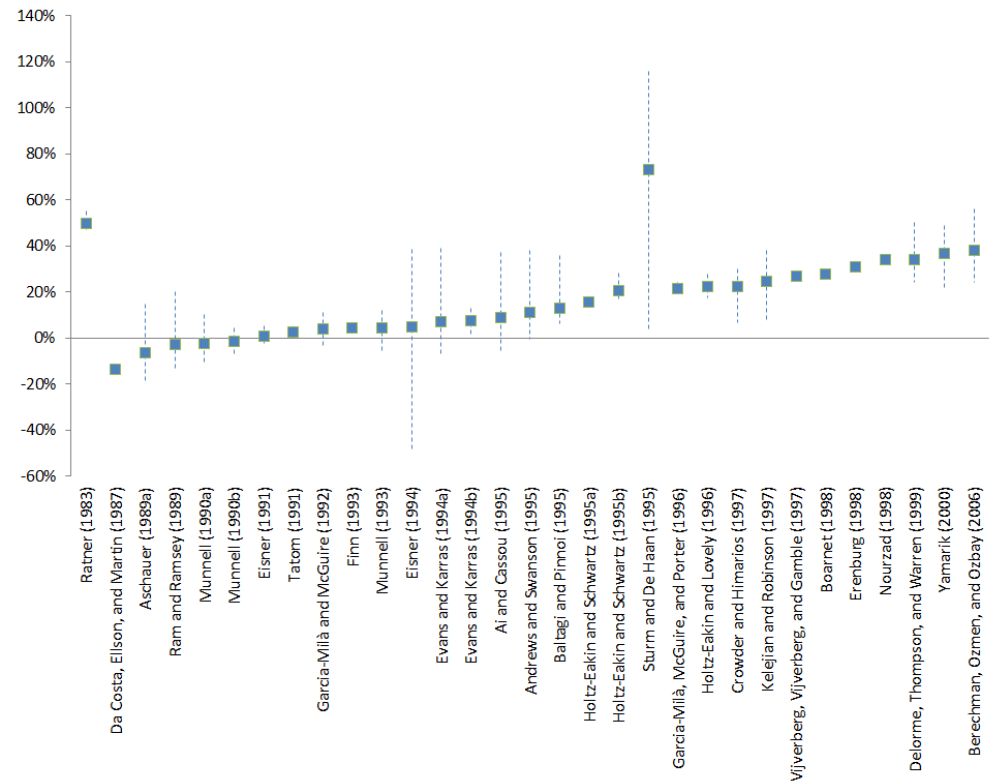
Figure 3  
Net Rate of Return of Highway Capital, Private Capital,  
and Private Interest Rate (1951-1989)





# Yet, Comparatively High Rate of Return

- Many studies find high estimated rates of return to US infrastructure investment versus other public spending
- Nations with larger public capital investment tend to have greater income equality



Average, minimum, and maximum rates of return estimated for US infrastructure investment in 33 studies



# North Carolina Interstate Performance

- 41% of all congestion costs occur on Interstates
- Commercial costs for unexpected delay exceed \$100/hr.
- Top 10 interstate bottlenecks in 2019 represent nearly \$14.6M or 0.83% of total costs

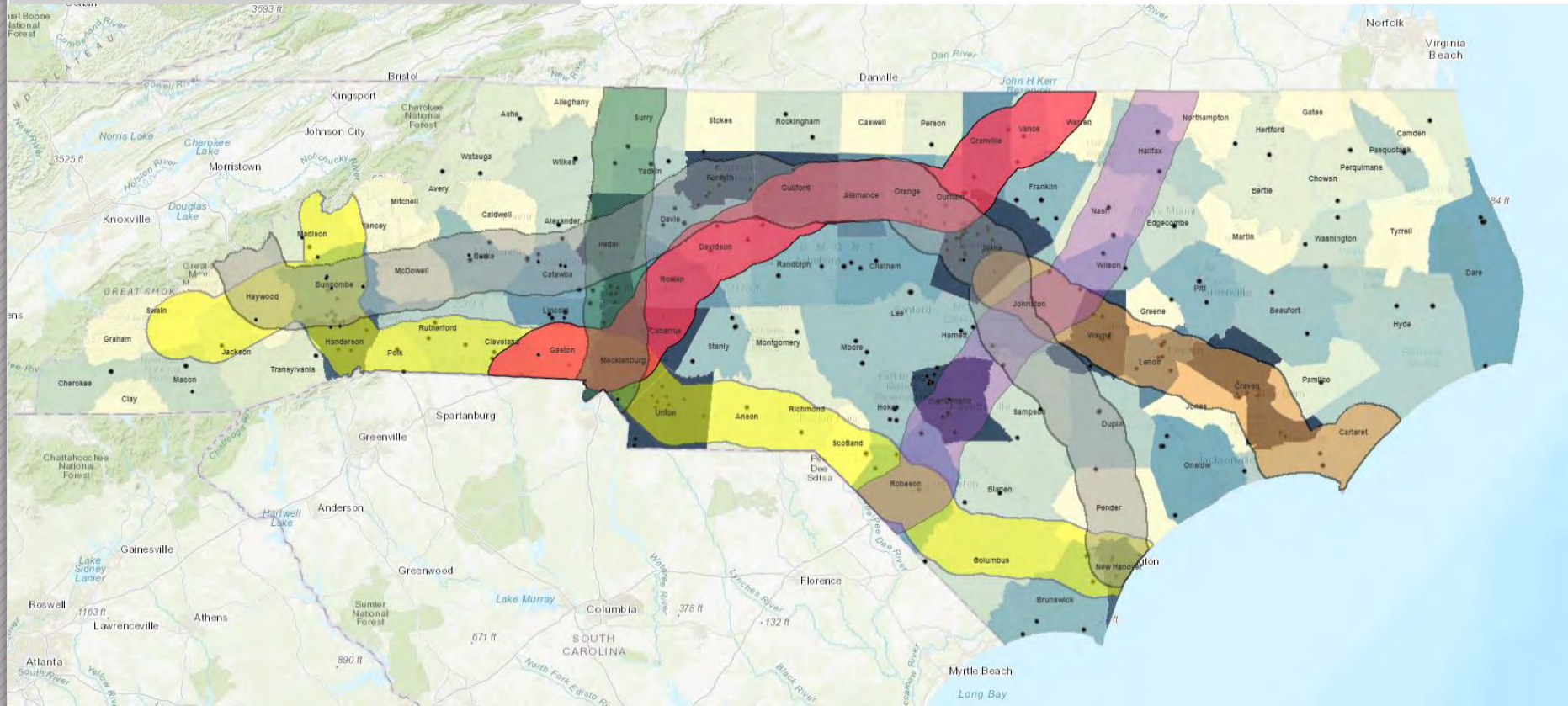
Average Truck Travel Speed (Interstates 2019)

62.1 mph	Average Speed Northbound
60.6 mph	Average Speed Southbound
60.3 mph	Average Speed Eastbound
60 mph	Average Speed Westbound
<b>60.75 mph</b>	<b>Overall Average</b>

	<u>INTERSTATE</u>	<u>ALL ROADS</u>
<i>Commercial</i>	\$808.7M	\$1.97B
<i>Passenger</i>	\$945.9M	\$2.3B
<b><i>Combined</i></b>	<b>\$1.75B</b>	<b>\$4.27B</b>



# Industrial Correlation: Aerospace/Aviation



Key Corridors: I-40, I-77, I-85, I-95, US-70, US-74/I-26





# Adverse Impacts of Interstate Highways



Buckner Gap, North Carolina. © Rob Amberg

- Suburbanization increased infrastructure demand, automobile-enabled sprawl
- Socially inequitable impacts on communities of color or distressed/lower economic areas
- Each new limited access highway running through a central city built between 1950 and 1990 caused the population of that central city to drop by 18 percent relative to what it would have been
- Regional needs not coherently addressed due to federal funding stove-piping



# Economic Development Sector Priorities



# Economic Development Sector Priorities

- Economic developers in the current industrial recruiting / site location paradigm.
- Pushing to realize future interstate corridors – or acquire future interstate designations
- Availability of skilled labor, labor costs, quality of life all strong suits for NC

Combined Ratings*				Combined Ratings*			
CORPORATE SURVEY				CONSULTANTS SURVEY			
Site Selection Factors		2019	2018	Site Selection Factors		2019	2018
Ranking				Ranking			
1.	Highway accessibility	92.4	87.2 (3)**	1.	Availability of skilled labor	100.0	100.0 (1)**
2.	Availability of skilled labor	92.3	90.5 (1)	2.	Labor costs	98.3	98.1 (4)
3.	Labor costs	87.1	89.1 (2)	3.	Highway accessibility	98.2	100.0 (1T)
4.	Quality-of-life	82.2	82.8 (6)	4.	Proximity to major markets	94.9	100.0 (1T)
5.	Occupancy or construction costs	80.3	76.1 (10)	5T.	State and local incentives	93.1	98.0 (5)
6.	Corporate tax rate	79.7	86.7 (4)	5T.	Available buildings	93.1	96.1 (6T)
7.	Energy availability and costs	79.5	77.8 (8)	7.	Available land	91.2	96.1 (6T)
8.	Tax exemptions	75.0	83.0 (5)	8T.	Energy availability and costs	89.6	96.1 (6T)
9.	Environmental regulations	73.0	69.9 (16T)	8T.	Expedited or "fast-track" permitting	89.6	86.3 (14)
10.	Proximity to major markets	72.6	71.8 (14)	10.	Tax exemptions	88.0	94.1 (11T)
11.	Right-to-work state	72.0	70.2 (15)	11.	Occupancy or construction costs	86.2	84.3 (18T)
12.	Available buildings	71.3	76.7 (9)	12.	Proximity to suppliers	85.7	96.1 (6T)
13.	Expedited or "fast-track" permitting	70.7	64.9 (19)	13.	Training programs/technical schools	80.7	96.1 (6T)
14.	State and local incentives	70.2	82.5 (7)	14.	Accessibility to major airport	80.4	84.4 (15T)
15.	Inbound/outbound shipping costs	69.8	69.2 (18)	15T.	Environmental regulations	79.3	94.1 (11T)
16.	Proximity to suppliers	68.1	72.8 (13)	15T.	Inbound/outbound shipping costs	79.3	88.0 (13)
17.	Available land	64.4	75.6 (11)	17.	Low union profile	77.6	84.4 (15T)
18.	Low union profile	62.7	74.4 (12)	18.	Corporate tax rate	72.4	84.4 (15T)
19.	Training programs/technical schools	60.3	69.9 (16T)	19.	Availability of unskilled labor	69.2	72.0 (25)
20.	Availability of long-term financing	59.5	60.5 (21)	20.	Right-to-work state	69.0	78.5 (20)
21.	Availability of unskilled labor	59.0	59.4 (22)	21T.	Quality-of-life	66.7	78.0 (22)
22.	Raw materials availability	56.1	55.6 (23)	21T.	Raw materials availability	66.7	76.5 (23)
23.	Accessibility to major airport	50.6	62.7 (20)	23.	Water availability	62.1	78.4 (21)
24.	Water availability	45.2	51.6 (24)	24.	Availability of advanced ICT services	60.7	84.3 (18T)
25.	Proximity to innovation commercialization/R&D centers	35.7	41.5 (27)	25.	Proximity to innovation commercialization/R&D centers	48.3	76.0 (24)
26.	Availability of advanced ICT services	26.7	50.0 (25)	26.	Railroad service	43.1	54.9 (26)
27.	Railroad service	25.3	46.6 (26)	27.	Availability of long-term financing	40.3	43.1 (28)
28.	Waterway or oceanport accessibility	20.3	34.1 (28)	28.	Waterway or oceanport accessibility	37.9	44.0 (27)

\* All figures are percentages and are the total of the "very important" and "important" ratings of the Area Development Corporate Survey and are rounded to the nearest tenth of a percent.

\*\* 2018 ranking

\* All figures are percentages and are the total of the "very important" and "important" ratings of the Area Development Consultants Survey and are rounded to the nearest tenth of a percent.

\*\* 2018 ranking





# Business Environment Ranking

## INDIVIDUAL CATEGORIES

### Competitive Labor Environment

1. GEORGIA
2. NORTH CAROLINA
- 3T. TENNESSEE 3T. TEXAS
5. INDIANA 6. ALABAMA
- 7T. SOUTH CAROLINA 7T. UTAH
9. VIRGINIA 10. OHIO

## INDIVIDUAL CATEGORIES

### Overall Cost of Doing Business

1. GEORGIA
2. TEXAS 3. TENNESSEE
4. SOUTH CAROLINA
- 5T. INDIANA
- 5T. NORTH CAROLINA
- 7T. ALABAMA 7T. MISSISSIPPI
9. UTAH 10. VIRGINIA

## INDIVIDUAL CATEGORIES

### Cooperative & Responsive State Government

1. GEORGIA
2. SOUTH CAROLINA
3. TENNESSEE
4. NORTH CAROLINA
5. INDIANA 6T. ALABAMA
- 6T. VIRGINIA 8. MISSISSIPPI
- 9T. TEXAS 9T. ARIZONA

## INDIVIDUAL CATEGORIES

### Business Incentives Programs

1. GEORGIA
2. SOUTH CAROLINA
3. TENNESSEE 4T. ALABAMA
- 4T. MISSISSIPPI 6. TEXAS
7. VIRGINIA 8T. OHIO
- 8T. LOUISIANA
- 8T. NORTH CAROLINA

## INDIVIDUAL CATEGORIES

### Energy Availability & Costs

- 1T. GEORGIA
- 1T. TENNESSEE
3. NORTH CAROLINA
4. TEXAS 5. WASHINGTON
- 6T. ALABAMA
- 6T. SOUTH CAROLINA
- 8T. INDIANA 8T. MISSISSIPPI
- 8T. LOUISIANA 8T. KENTUCKY

## INDIVIDUAL CATEGORIES

### Available Real Estate

1. GEORGIA
2. TEXAS 3. TENNESSEE
4. NORTH CAROLINA
- 5T. ALABAMA 5T. INDIANA
- 5T. OHIO 8. SOUTH CAROLINA
- 9T. FLORIDA 9T. MISSISSIPPI



- In 2019, overall transportation costs grew by 2.5%
- U.S. logistics costs up nearly 12% (\$1.64T)
- 8% of 2018's \$20.5 trillion gross domestic product
- Highest cost as a segment of GDP since 2014.
- Would additional investment in highway capital drive reduce costs?



# Total Logistics Costs

U.S. business logistics costs increased in 2018  
(\$ billion)

		2018	YoY 18/17	5 year CAGR
<b>TRANSPORTATION COSTS</b>				
Full truckload		296.1	7.6%	3.6%
Less-than-truckload		71.8	8.3%	3.5%
Private or dedicated		300.9	13.1%	7.1%
Motor carriers		668.8	10.1%	5.1%
Parcel		104.9	8.7%	8.0%
Carload		61.4	7.2%	-0.6%
Intermodal		27.0	28.7%	8.1%
Rail		88.4	12.9%	1.6%
Airfreight (includes domestic, import, export, cargo, and express)		76.5	9.2%	3.8%
Water and ports (includes domestic, import, and export)		45.7	12.8%	1.5%
Pipeline		53.0	12.7%	12.7%
<b>Subtotal</b>		<b>1,037.4</b>	<b>10.4%</b>	<b>5.1%</b>
<b>Inventory carrying costs</b>				
Storage		153.1	3.2%	3.0%
Financial cost (WACC x total business inventory)		192.5	26.0%	3.0%
Other (obsolescence, shrinkage, insurance, handling, others)		148.1	14.8%	3.0%
<b>Subtotal</b>		<b>493.7</b>	<b>14.8%</b>	<b>3.0%</b>
<b>Other costs</b>				
Carriers' support activities		52.3	10.3%	4.5%
Shippers' administrative costs		52.1	2.8%	5.3%
<b>Subtotal</b>		<b>104.4</b>	<b>6.4%</b>	<b>4.9%</b>
<b>Total US business logistics costs</b>		<b>1,635.46</b>	<b>11.4%</b>	<b>4.4%</b>

Note: YoY is year-on-year. WACC is weighted average cost of capital.  
Source: CSCMP's 30th Annual State of Logistics Report (see report Appendix)



Dana A. Magliola  
Office of Logistics + Freight  
North Carolina Dept. of Transportation

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Raleigh, NC 27699-1554



Homepage:  
[bit.ly/NCDOTsupplychain](https://bit.ly/NCDOTsupplychain)

NCDOT Connect Resources:  
[bit.ly/FreightConnectNC](https://bit.ly/FreightConnectNC)



# Appendix



- Development and realization of the *future interstate corridors* in the region is a key to sustainable economic vitality

## Future Interstate Highways



## Key Economic Trends

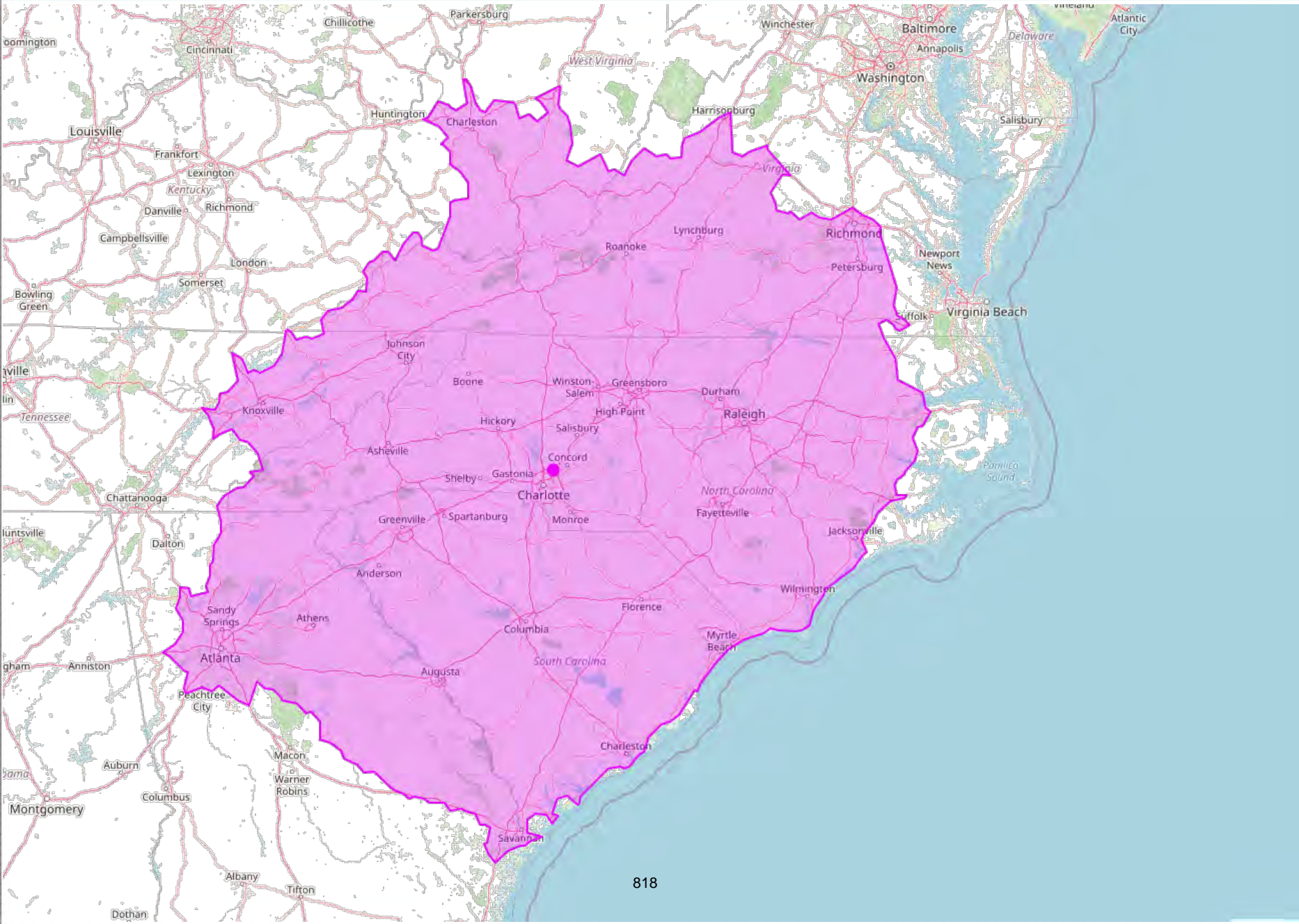
- Freight volumes projected to increase 40%+
- Integrated supply chain connectivity
- Economic development closely tied to supply chain development
- Intermodal cargo growth leveraging railroads + highway networks
- Protein production + global demand on rise



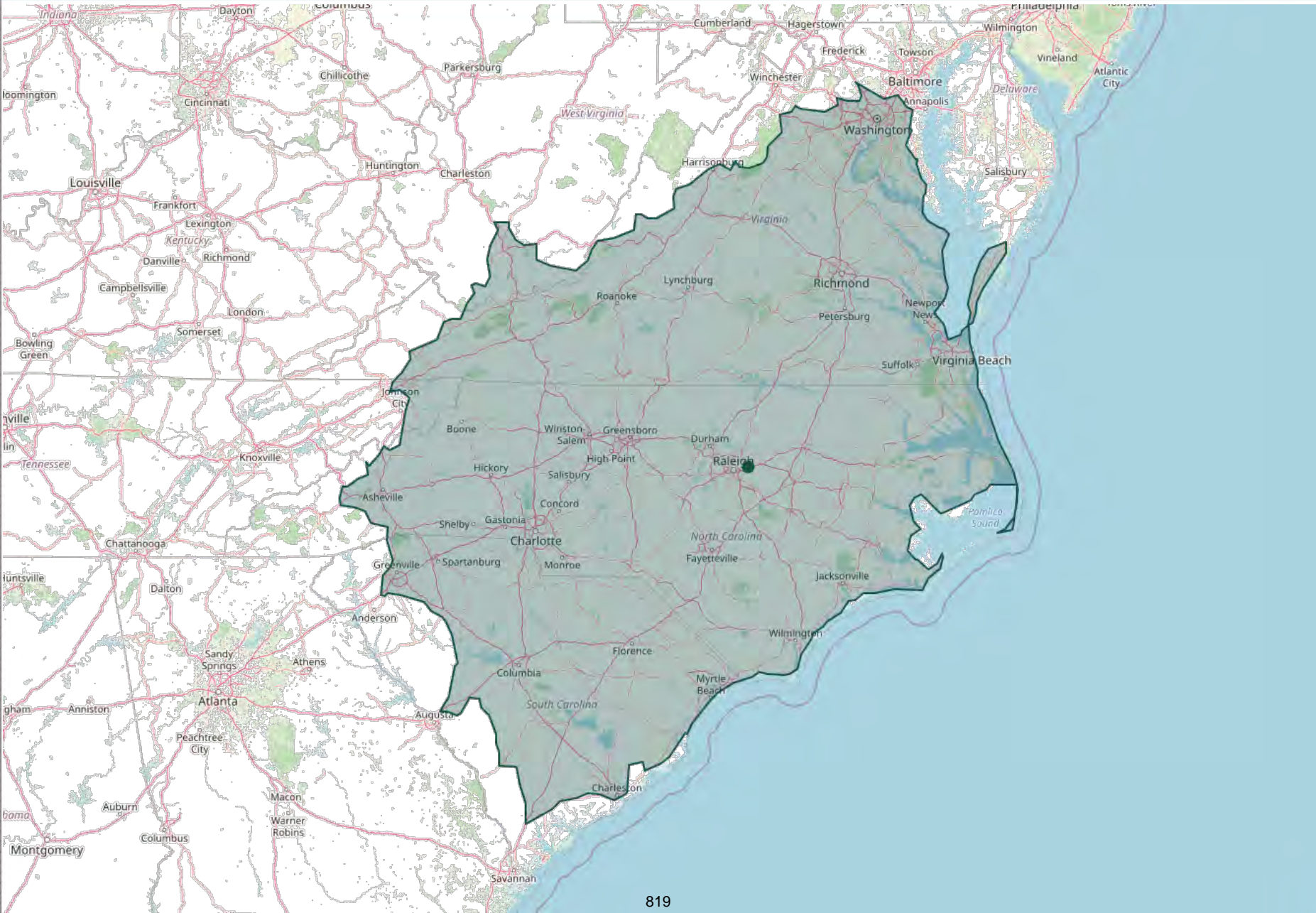
*Progress at the CSX Carolina Connector in Rocky Mount*



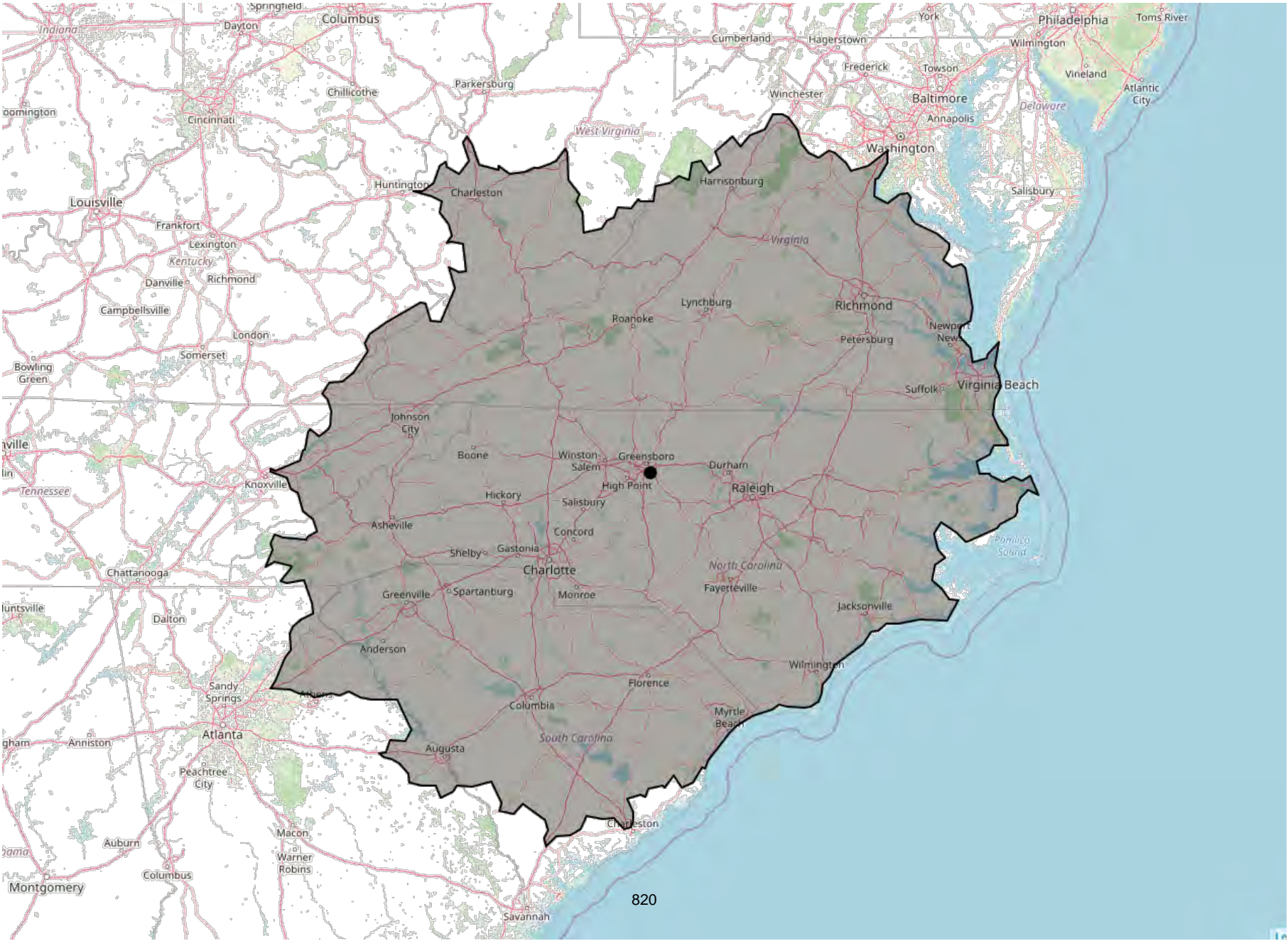














## **NORTH CAROLINA** Department of Transportation



# Interstate Designation Process

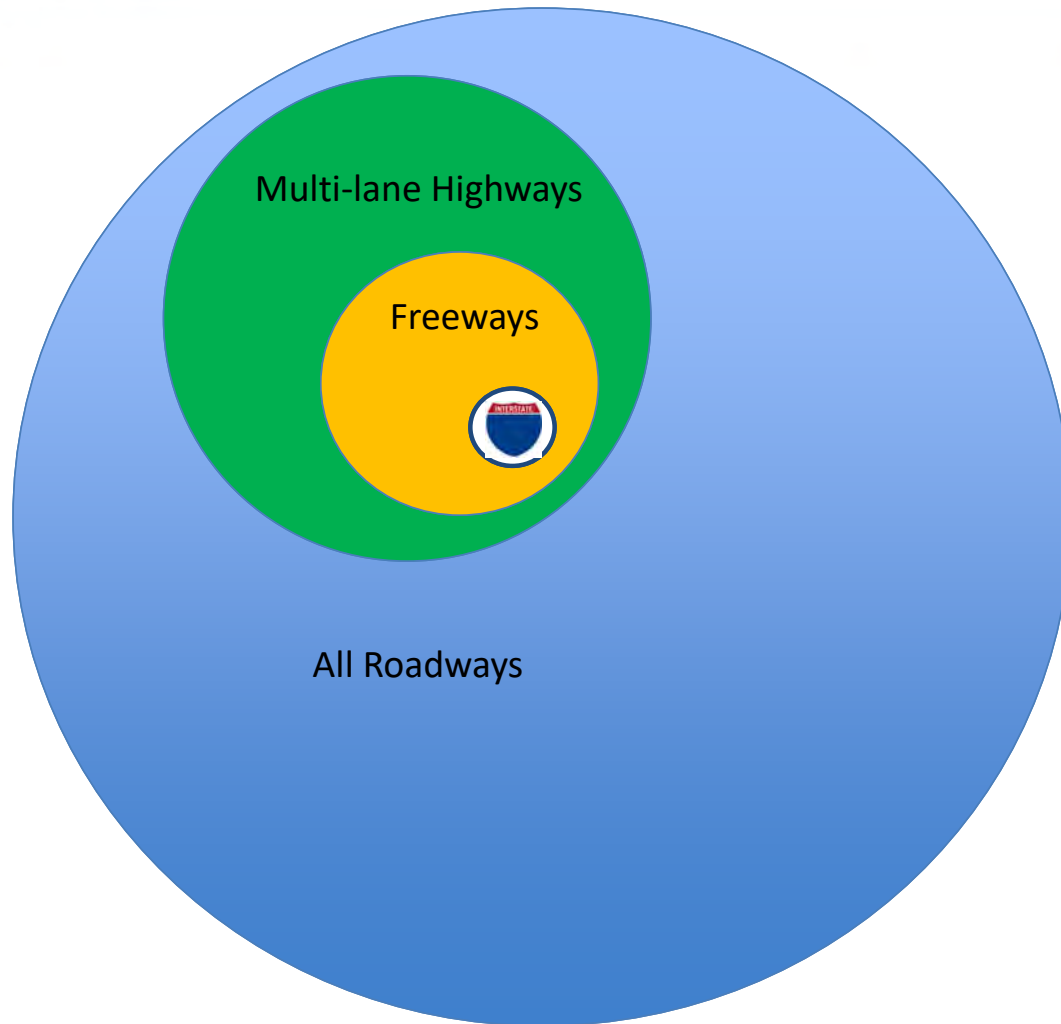
Kevin Lacy

November 2020



## Key Point

- Interstates are freeways (or tollways) that have grade separated interchanges with limited access.
- Freeways also have interchanges and limited access but not all are built to interstate standards.
- There are many millions of dollars difference between Freeway standards and Interstate Standards.



Interstates	\$\$\$\$\$\$/mile
Freeways	\$\$\$\$/mile
Multi-lane Highway	\$\$/mile
Two Lane Roadway	\$/mile

## Two Paths

- Administrative Process – Interstate System Route Designation  
(23 USC 103 c 4 A and 23 CFR Part 470)
- Congressional Process – Interstate Addition as a High Priority Corridor  
(Section 1105 (c) of ISTEA)

## Administrative Process

- The NCDOT must coordinate and obtain a resolution from all local officials, County Commissions, and MPO's
- The NCDOT must request, through FHWA NC Division the addition to the Interstate system
- The route must be on the National Highway System (NHS)
- The route must meet Logical Addition Criteria
- The route must meet Interstate System design criteria
- The route number and addition must be approved by AASHTO(\*) and FHWA

## Logical Addition Criteria

- The route is a viable transportation route –Interstate Travel, Connect principle metropolitan centers for national defense and economic development
- Route should not duplicate another Interstate
- Route directly serves:
  - a) Major traffic generators (urban area over 100,000)
  - b) Major government centers
  - c) Principle Industrial Centers
  - d) Major Military Complexes
  - e) Major transportation terminals
- Route connects
  - a) Interstate to Interstate route
  - b) Interstate route to International boarder
  - c) Interstate route to major traffic generator
- The route meets Interstate Design Criteria

# Interstate Design Criteria

Control Access	Shoulder Width
Design Speed	Median Width
Minimum Number of Lanes	Recovery Area
Maximum Grade	Vertical Clearance
Minimum Lane Width	Horizontal Clearance

# What is the National Highway System (NHS)

The NHS includes the Interstate System as well as other roads important to nation's economy, defense and mobility

- Interstate
- Other Principal Arterials
- Strategic Highway Network (STRAHNET)- US strategic defense policy, defense access
- Major Strategic Highway Network Connectors – Provide access between major military installations
- Intermodal Connectors
- NHS Route additions also have a formal process

## Congressional Process

- The United States Congress must designate route
- The NCDOT must request, through FHWA NC Division the addition of a high priority route to the Interstate System
- Approval for the addition of a high priority route to the Interstate System is left with the US Secretary of DOT
- The high priority route must meet Interstate System design standards
- Must be connected to an Interstate Route at one end and an NHS route at the other end.
- The route number must be approved by AASHTO

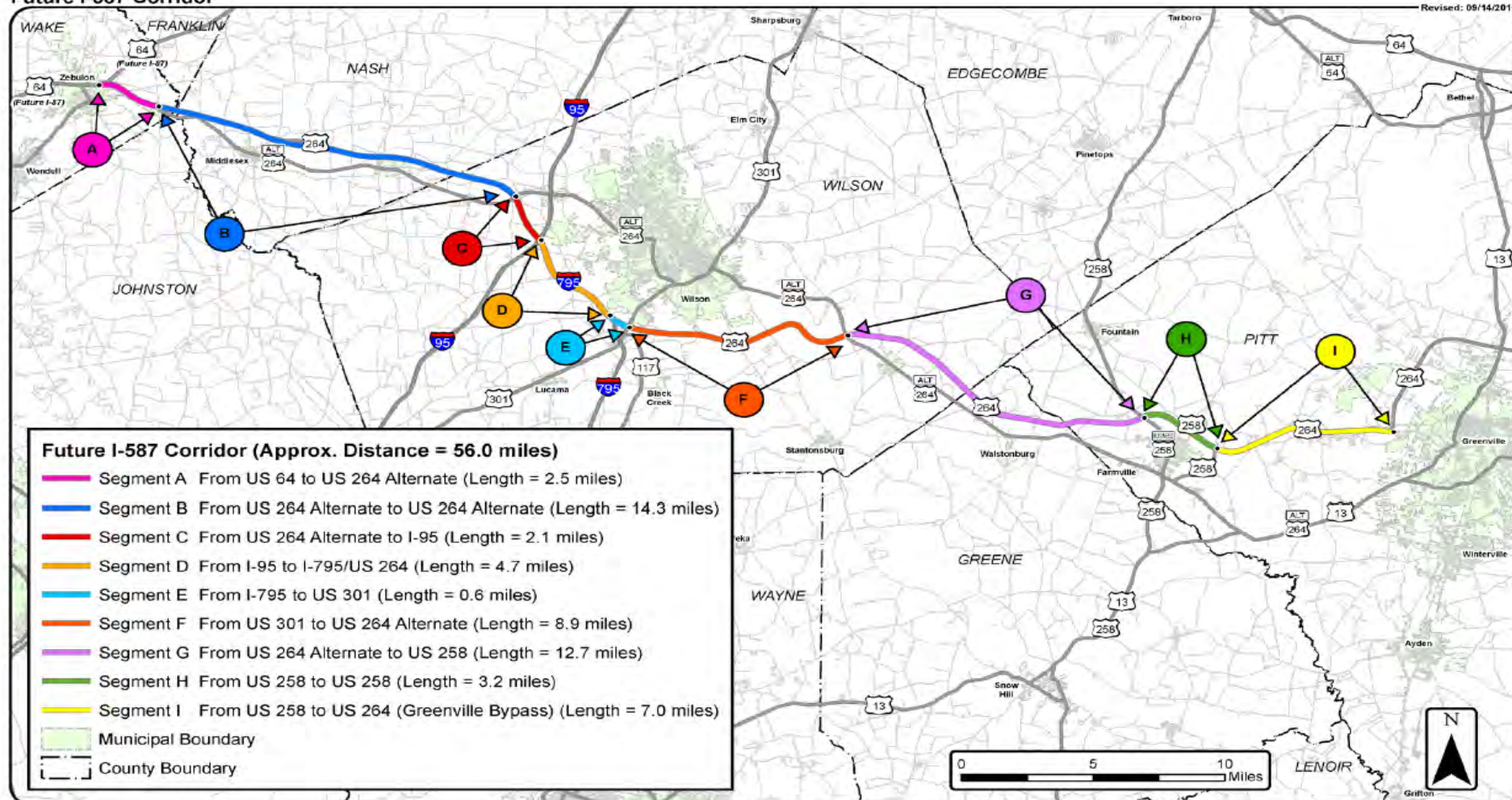


## High Priority Corridors for North Carolina

- I-73/74 - through Winston Salem
- I-73- US 220 from VA State Line to NC 68 to I-40 to US 220 in Greensboro to US 1 Rockingham to SC Line
- I-74 – I-77 in Surry County to US 52 to US 311 to US 220 to US 74 Rockingham to US 76 Whiteville to US 74/76 to SC Line
- Raleigh-Norfolk Corridor; Raleigh, NC, to Norfolk VA
- Route 29 Corridor from Greensboro, NC to the District of Columbia
- The Greensboro Corridor from Danville, VA to Greensboro, NC along US Route 29 (overlap with Route 29 Corridor)
- US 117/ I-795 from US 70 in Goldsboro, to I-40 West of Faison
- US 70 from I-40 Garner to Port at Morehead City

# Future I-587 Corridor

Updated: 08/10/2016  
Revised: 08/30/2016  
Revised: 09/08/2016  
Revised: 09/14/2016



# Future I-587 approval



Office of the Administrator

1200 New Jersey Ave., SE  
Washington, D.C. 20590

November 21, 2016

In Reply Refer To:  
HEPH-20

Michael L. Holder, P.E.  
Chief Engineer  
North Carolina Department of Transportation  
1 South Wilmington Street  
Raleigh, NC 27699-1501

Dear Mr. Holder:

Thank you for your letter requesting that U.S. 264 from U.S. 64 (Future I-87) in Zebulon to the Greenville Bypass west of Greenville, be added to the Interstate System as Future I-587.

We found that U.S. 264 from U.S. 64 (Future I-87) to the Greenville Bypass to be a logical future addition to the Interstate System. After careful consideration of the criteria outlined in 23 U.S.C. 103 (c)(4)(B) and with the American Association of State Highway and Transportation Officials' conditional approval of the number, we find this segment to be a logical future addition to the Interstate System and approve the request.

Enclosed are two signed copies of the agreement, for the future addition of I-587 from I-87 to the Greenville Bypass. Please return one executed copy for our records.

Sincerely,

A handwritten signature in blue ink, appearing to read "Gregory G. Nadeau".

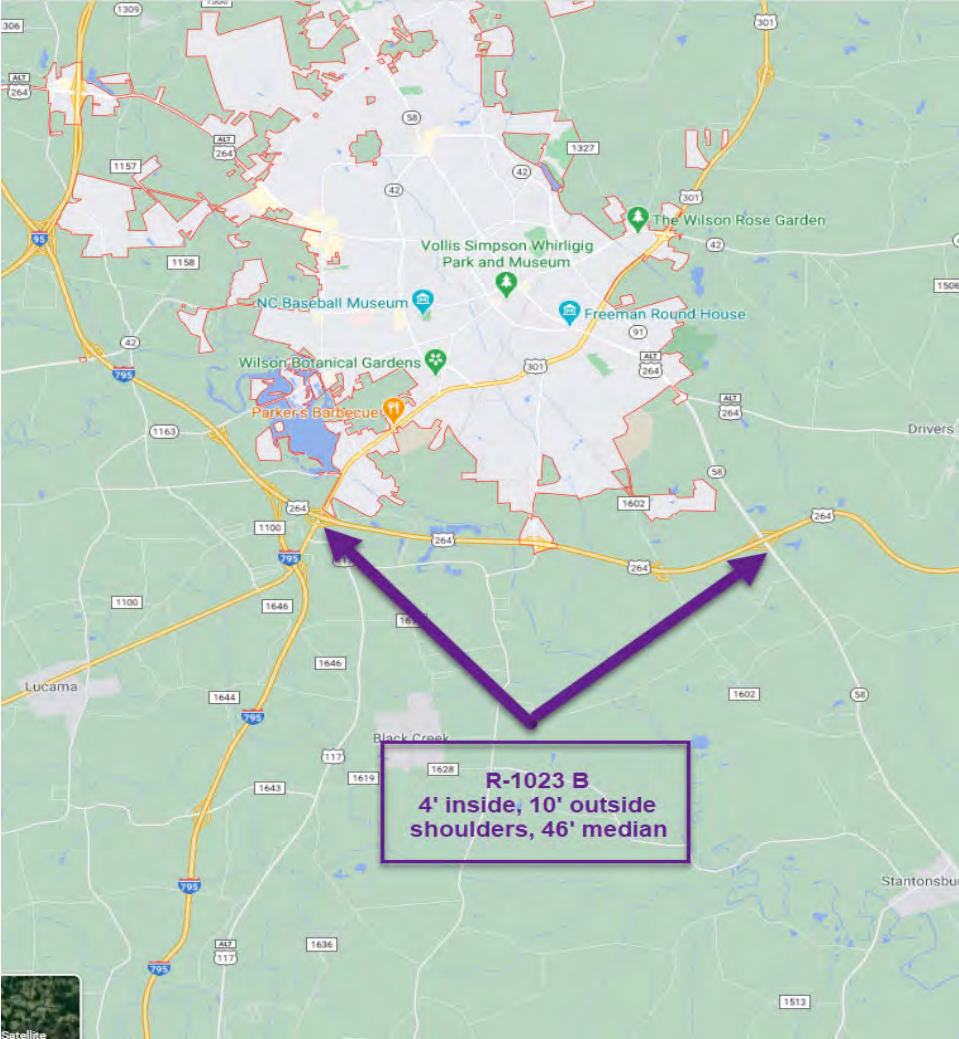
Gregory G. Nadeau  
Administrator

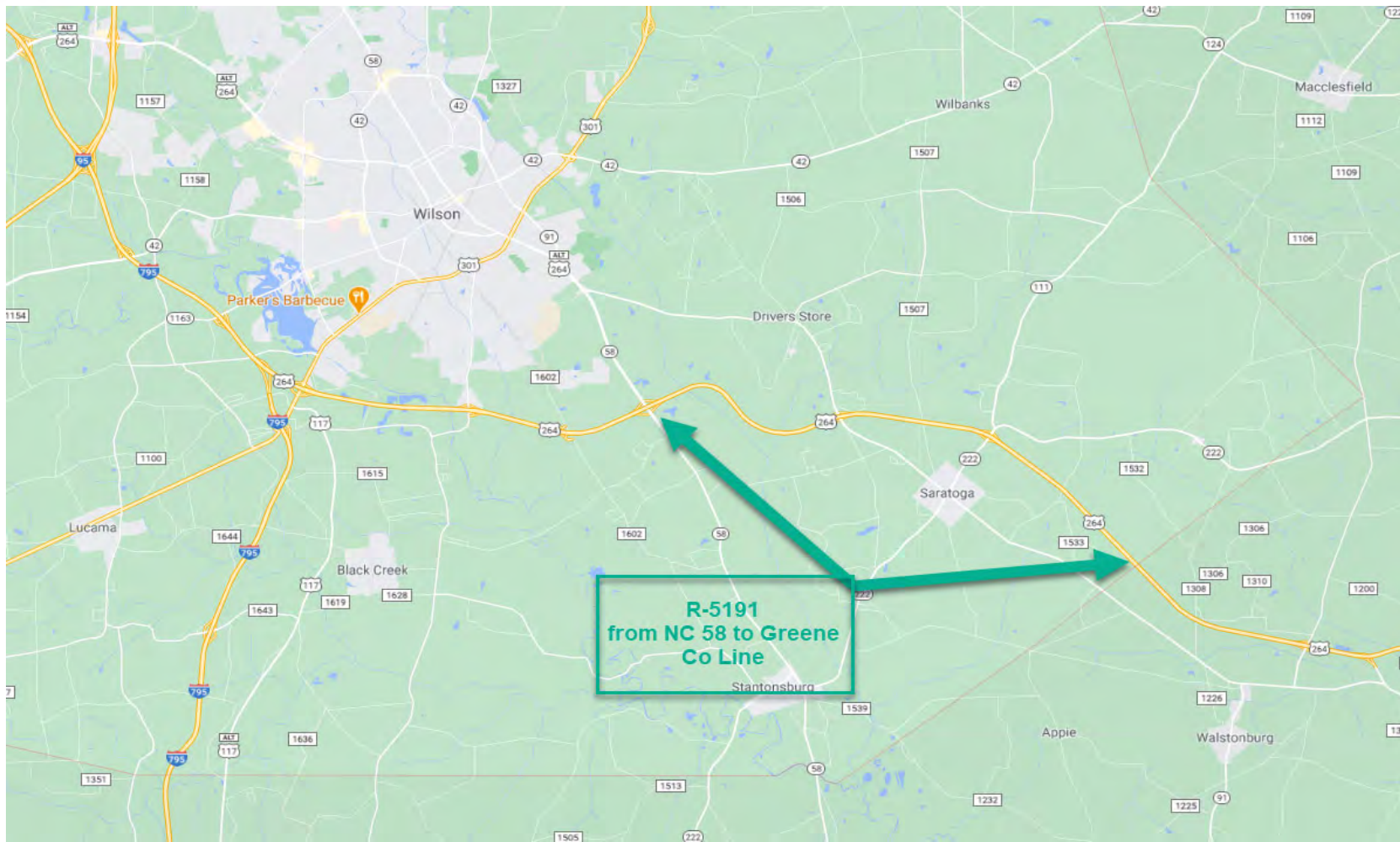
cc: Marty Vitale (AASHTO)

## Projects upgrading to Interstate Standards

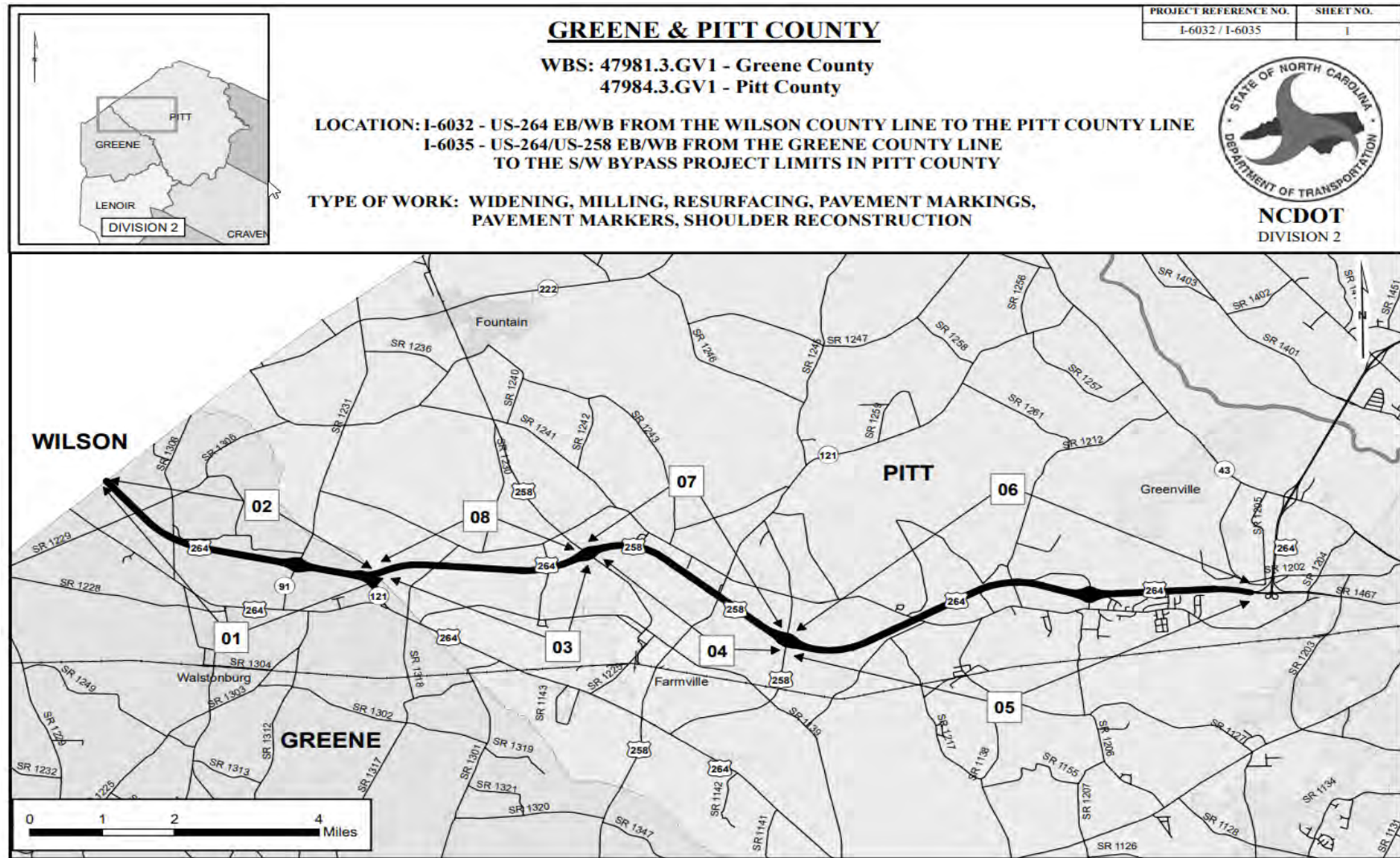
- R-1023AB- US 264 from East of SR 1136 to East of US 301
- R-5191- US 264 from NC 58 to Greene County Line-widening, resurfacing, and shoulder construction. Completed Nov 2010.
- I-6302- US 264 from Pitt Co line to Wilson Co line
- May have to request some **exceptions** but no guarantee that they will be accepted.











## Once Projects are Completed

We request FHWA and AASHTO to add the facility to the Interstate System.

These request are received through the year, but the AASHTO committee meets twice a year (spring and fall).

If approved, then we can sign the road as an interstate.



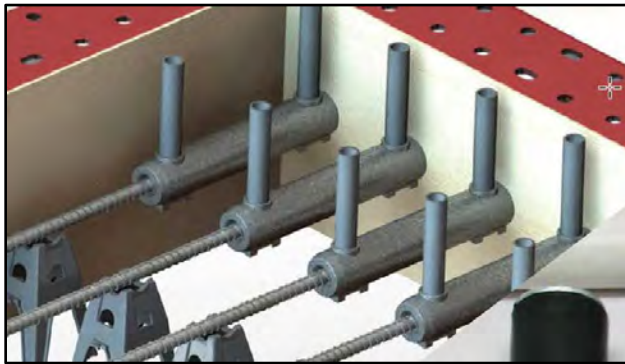


North Carolina Department of Transportation  
Materials and Tests Unit – Product Evaluation Program  
Innovative Technologies and Products Awareness Report  
November 4<sup>th</sup>, 2020

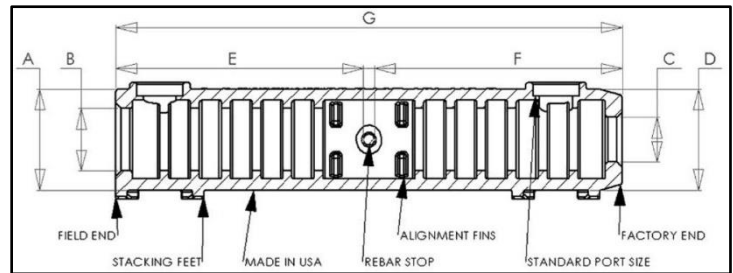


## PRODUCT HIGHLIGHT – D410 Sleeve Lock Grout Sleeve System

The D410 Sleeve Lock Grout Sleeve System is manufactured by Dayton Superior Corporation out of Miamisburg, Ohio. It is currently listed as under evaluation on the Approved Products List (APL) as NP20-8724. The D410 Sleeve Lock Grout Sleeve System consists of a cast iron sleeve with internal rebar positioning fins, sleeve lock grout, seal plug, plug, port plugs and  $\frac{3}{4}$ " SCH40 PVC. The D410 Sleeve Lock Grout Sleeve System is used to splice rebar in precast elements, developing a splice strength equal to or greater than the ultimate strength of the rebar. The system provides ultimate connection strength in 24 hours and is available in the following rebar sizes; #4, #6, #8, #10, #11, #14, and #18. For more information, please visit: [www.daytonsuperior.com](http://www.daytonsuperior.com).



View of multiple assembled D410 Sleeve Lock systems with rebar – image from D410 Sleeve Lock Application Guide



Side diagram of D410 Sleeve Lock – image from D410 Sleeve Lock Application Guide

## PRODUCT INNOVATION – SAFE-T-GRIP®



View of HFST aggregate overlay using SAFE-T-GRIP® 1:1 epoxy polymer on a concrete bridge deck – photograph from EPOPLEX website

SAFE-T-GRIP® 1:1 is manufactured by EPOPLEX (A STONHARD Brand) out of Maple Shade, New Jersey. It is currently listed as under evaluation on the APL as NP20-8711. Safe-T-Grip® 1:1 is a two-component epoxy/amine cured polymer, that is designed for use with approved aggregates as a tough, durable, skid resistant, high friction surface treatment (HFST) bonded overlay. SAFE-T-GRIP® 1:1 can be applied to either concrete or asphalt surfaces as a long-lasting thin overlay to provide a skid resistant high friction surface in both wet and dry weather conditions. It has a 3-hour compressive strength of 1,700 psi and a 7-day compressive strength of 5,300 psi. For more information, please visit:

[www.epoplex.com/products/epoxy-overlay/](http://www.epoplex.com/products/epoxy-overlay/)