

# I N D E X

## BOARD OF TRANSPORTATION MEETING

June 30 – July 1, 2021

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## **BOARD OF TRANSPORTATION MEETING**

**June 30 - July 1, 2021**

**Wednesday June 30, 2021**

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

Members of the Road, Bridge and Ferry Naming Committee attended their meeting at 10:00am. Topics included reviewing submitted applications for Commissioner Jonathan Robinson Bridge, Dr. Patricia Johnson Highway, and Claud "Paw" Messer Highway. Mr. Kevin Lacy shared updated the committee with the Public Art Policy Recommendations.

Members of the Finance Committee attended their meeting at 10:45am. Topics included the Financial Update, Kim Padfield, Controller, FY 2022-2023 Spend Plan Update by Michelle Overby Funds Administration Manager, Cost Estimate Escalation by Joey Hopkins, PE, Deputy Chief Engineer of Planning and Leigh Wing, PE, STIP Eastern Region Manager. A committee summary is located at the end of this document.

### **Full Board Work Session**

Chairman Fox welcomed members to the meeting and thanked members of the Board for being present to handle business brought before them.

Chairman Fox stated this meeting is considered a hybrid meeting with members participating in person and via Microsoft Teams.

### **Call to Order**

Chairman Fox called the meeting of the Board of Transportation to order at 1:20 p.m. on Wednesday, June 30, 2021, with the following members were present in-person or via Microsoft Teams or conference call: Chairman Fox, Vice -Chairman Perkins Moran, Overholt, Mitchell, Jordan, Hunt, Mathis, Lathrop, Rosenburgh, Lail, Wells, Clarke, McGrady and Cody were present.

Board Members Taft, Zimmer, and Tillman were 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 item and to file the proper paperwork with the Secretary to the Board of Transportation.

Chairman Fox read, "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."

The full board attended the work session where Johanna Reese, Deputy Secretary provided the Legislative Update to the Board. Michelle Overby, Funds Management, Manager provided a presentation on the Grant Anticipation Revenue Vehicles (GARVEEs). Chairman Fox reminded members of the Board that they will be asked to take action on the GARVEE issuance during tomorrow's meeting.

Michelle Overby introduced an updated Memorandum of Agreement (MOA) between Federal Highway Administration and North Carolina Department of Transportation. Chairman Fox stated for members of the Board that the MOA coming forward is one that has been in place with the Department since 2007. It is coming forward as action to refresh the MOA to 2021 and to sync with the GARVEE Issuance process.

Following Michelle's presentation and explanation, Chairman Fox asked for a motion to approve the Memorandum of Agreement (MOA) between the Federal Highway Administration (FHWA) and the North Carolina Department of Transportation (NCDOT) - Accounting for Debt Financed Projects. The motion was made by Board Member Clarke and seconded by Board Member Lathrop. The board unanimously approved the MOA as provided. (The signed MOA is at the end of this document).



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

There were no members who opposed, and the board unanimously approved the Memorandum of Agreement (MOA) between the Federal Highway Administration (FHWA) and the North Carolina Department of Transportation (NCDOT) - Accounting for Debt Financed Projects.

Due to the time of the Finance Committee ending during an engaged discussion of the Board on the State Transportation Improvement Program (STIP), Chairman Fox elected to use the chairman’s discretion to open the discussion back up to members to ask questions related to the presentation provided earlier in the day. Mr. Joey Hopkins, Deputy Chief of Planning, came forward and responded to a series of questions during the discussion by the Board. The Board discussed the status of the 10-year STIP and provided direction to staff to go to the workgroup to discuss cost increases and the P6.0 process. Staff will return to the board during its August 2021 meeting to report out.

### **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.

### **Other Business/Announcements**

Chairman Fox shared the Economic Development and Intergovernmental Relations (EDIR), and Division of Motor Vehicles (DMV) Committees will begin immediately following the end of the work session and the Highways Committee and Multi-Modal Committee will begin at 3:30pm.

### **Adjournment**

There being no further business of the Board, Chairman Fox adjourned the work session meeting.

The full board work session adjourned, and the afternoon committees began following as scheduled:

Members of the EDIR Committee convened at 2:30pm. Topics included a presentation by Chris Brown, Enviva Mid-Atlantic, Community Relations Manager on Enviva/Ports. A committee summary is located at the end of this document.

Members of the DMV Committee convened at 2:30pm. Topics included an update presentation on Virtual Training | School Bus by Lethia Williams, Lead Trainer, Virtual Training Section, Driver Services Peak Season Update presentation by Charlotte Boyd-Malette, Director of Driver Services, and Back Office Modernization presentation by Michelle Edelen, Director of Customer Compliance. A committee summary is located at the end of this document.

Members of the Highways Committee convened at 3:30pm. Topics included a presentation on AAMVA Driverless Vehicle Guidance and Personal Delivery Devices by Mr. Kevin Lacy, PE, State Traffic Engineer, NCDOT Transportation Mobility & Safety Division, and a presentation on Looking Ahead to Automated Vehicles on NC Highways by Dr. Joe Hummer, PE, State Traffic Management Engineer, NCDOT Transportation Mobility & Safety Division. A committee summary is located at the end of this document.

Members of the Multi-Modal Committee convened at 3:30pm as well. Topics included a general overview of funding items and Multi-Modal updates. The committee received presentations on Ferry Division, Dredging and Shoaling, and Vessel Electrification by Mr. Jed Dixon, Ferry Division Deputy Director. A committee summary is located at the end of this document.

## **Thursday July 1, 2021, Official Board Meeting**

### **Call to Order**

Chairman Fox called the meeting of the Board of Transportation to order at 9:03 a.m. on Thursday, July 1, 2021.

Chairman Fox welcomed members to the meeting and thanked members of the Board for being present to handle business brought before them. He stated he was thrilled to be able to welcome members, staff, guests, and members of the public to the meeting today.

Chairman Fox stated he would do a quick roll call to account for the members present in the room.

Chairman Fox, Vice-Chair Perkins, Moran, Overholt, Mitchell, Jordan, Hunt, Mathis, Lathrop, Rosenburgh, Lail, Wells, McGrady and Cody were present.

Board Member Taft, Tarleton joined the meeting on Teams.

Board Member Tillman joined after the roll call.

Board Member Clarke and Board Member Zimmer were absent.

Chairman Fox welcomed everyone again to the July Board meeting and acknowledged special guests in attendances. Former Vice-Chairwoman Nina Szlosberg-Landis and John Pope, former Division 12 Board member. Also with us was Secretary Erik Hooks from the North Carolina Department of Safety and his team Colonel Freddy Johnson, Jr., Commander, State Highway Patrol, Major General M. Todd Hunt, Adjutant General, North Carolina National Guard, Jane A. Gilchrist, Chief of Staff and William Ray, Chief of Staff of Emergency Management.

Chairman Fox shared that he would like to give two special awards to former Vice-Chairwoman Nina Szlosberg-Landis and John Pope, former Division 12 Board member.

Chairman Fox shared Nina Szlosberg-Landis is the former Vice Chairwoman of the Board and one of longest serving members of the Board of Transportation. Her areas of focus and advocacy through the years have been but are not limited to Mass Transit, Environmental, and Bike/Ped. Most recently she chaired the Advanced Technology Committee and served as vice chair of the Finance, Road Naming and Audit Committees. Chairman Fox invited Nina Szlosberg-Landis to accept her award. Ms. Szlosberg-Landis thanked the department for the Road Gang award. Ms. Szlosberg-Landis thanked the Board members for all their hard work throughout the state. Chairman Fox thanked her for her hard work and dedication to the department.

Chairman Fox invited John Pope forward and shared that he is the former Board member of Division 12. Chairman Fox stated that Mr. Pope brought wealth of expertise to the Board in trucking industry, supply chain, and autonomous technology as it relates to movement of freight. Mr. Pope was the vice chair of the Highway Committee and DMV Committee during his time on the Board. Mr. Pope shared he was honored for the award and thanked the Secretary and Chairman Fox for their leadership to the department. He shared he was honored

to have served on the Board thought out his time on the Board. Chairman Fox shared he would like to invite Secretary Erik Hooks of Department of Public Safety forward to speak to the Board.

Chairman Fox stated Governor Roy Cooper appointed Erik A. Hooks in January 2017 to serve as secretary of the North Carolina Department of Public Safety. Mr. Hooks joined the N.C. State Bureau of Investigation in 1989 as a special agent and has since served in various capacities. Hooks served as a special agent, assistant special agent in charge with the Special Investigations Division, as well as unit commander/manager for Professional Standards.

Secretary Erik Hooks thanked Chairman Fox and the Board for having him and his team. Secretary Hooks shared it is an honor to serve as Secretary to the Department of Public Safety and to be partnered with the Department of Transportation. Secretary Hooks shared the Department of Public Safety is one of the largest agencies in North Carolina. He thanked the 26,000 sworn law enforcement and civilian employees, along with about 11,000 North Carolina National Guards soldiers and airmen for their service to the department and the state. Secretary Hooks introduced his guests accompanying him, Colonel Freddy Johnson Jr, State Highways Patrol Commander, Major General M. Todd Hunt, Adjutant General, North Carolina National Guard, William Ray, Chief of staff, Emergency Management, and Jane Gilchrist, Chief of staff. Each staff member accompanying Secretary Hooks stepped forward to address members of the Board. Each provided context as to how their role and teamwork alongside the Department of Transportation.

Chairman Fox thanked Secretary Hooks and his team for coming to speak with the Board and for their service and commitment to the State of North Carolina.

## **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 – June 9-10, 2021, Meeting Minutes**

Chairman Fox stated the meeting minutes from the June 9-10 meeting 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 June 9-10, 2021, meeting minutes of the Board of Transportation. A motion was made by Board Member McGrady and a second by Board Member Moran.

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

There were no members who opposed, and the board unanimously approved the June 9-10, 2021, meeting minutes.

Chairman Fox stated the motion passed.

### **Secretary Remarks**

Secretary Boyette welcomed members of the Board, staff, and those listening to the livestream. He shared it was great to see everyone who could make it in-person to the meeting.

### **Fourth of July**

Secretary Boyette shared details on the department’s fourth of July update with the Board. He stated as we prepare to celebrate Independence Day over the holiday weekend, the department would like to remind everyone to drive safe on the roads. He shared the Governor’s Highway Safety Program kicked off its annual Fourth of July Booze It & Lose It campaign earlier this month. The Kickoff event celebrated hard work and sacrifices made by health care workers, emergency medical services, law enforcement, military personnel, and other first responders during the pandemic. Operation Firecracker aims to prevent alcohol-related crashes by targeting impaired drivers. Secretary Boyette shared the law enforcement agencies will be running sobriety checkpoints in all 100 counties to help catch drunk drivers and reduce fatalities.

## **100 Deadliest Days**

Secretary Boyette shared details on the 100 deadliest days with the Board. He mentioned the topic of the month was safety. Secretary Boyette stated he wanted to remind everyone we are currently in the 100 Deadliest Days of Summer. He shared fatal crashes involving teenage drivers rise between Memorial Day and Labor Day, and more people are expected to be on the roads than last year as COVID restrictions are being lifted. He stated speeding, distractions and drinking while driving are leading contributors to crashes involving teenage drivers. Secretary Boyette stated for more information, including ideas for conversation starters, go to [ncdot.gov](http://ncdot.gov) and search “teen driver safety.”

## **Litter Update**

Secretary Boyette shared details on the department's litter collection with the Board. Secretary Boyette shared the department is now approaching 7.5 million pounds of litter since the start of the year. He mentioned last year this time, we had collected 3.3 million pounds. Through the first six months in 2019 the department collected 6.3 million pounds. He shared 2019 was a record setting year, and the department is on track to surpass in 2021. Secretary Boyette pointed out how outstanding the contribution has been from volunteer groups. The amount of litter Adopt-A-Highway, Sponsor-A-Highway and other volunteer groups have picked up this year would have cost the department \$1.1 million had we paid a contractor. Secretary Boyette thanked all who has helped with this ongoing initiative to combat litter and keep NC clean.

## **DBE Outreach**

Secretary Boyette shared an update on the disadvantaged business enterprises with the Board. Secretary Boyette stated the department is encouraging disadvantaged business enterprises to compete for state transportation contracts. He mentioned over the past couple of weekends, the departments Division of Highways and Office of Civil Rights have hosted in-person outreach events in all 14 highway divisions. He shared DBEs include small, minority-owned and woman-owned businesses. The department advertises and awards numerous contracts for projects big and small each year, but often many of these businesses may not be aware of how to work with our agency. The department had more than 180 people representing dozens of businesses join us for these outreach events statewide. We need more contractors to meet the increasing demands of the contracting industry in all sectors. The department and the contracting industry recognize the importance to grow small firms to meet the demands on

North Carolina's transportation infrastructure. Secretary Boyette shared if you would like to find more information about the DBE Outreach, please visit [ncdot.gov/HighwaysDBE](https://ncdot.gov/HighwaysDBE).

### **Charlotte Gateway Station**

Secretary Boyette shared details on the Charlotte gateway station update with the Board. He shared great progress continues on Phase 1 of the Charlotte Gateway Station. Construction is underway on the tunnel that will connect the station and boarding platform. He mentioned the department is looking forward to the project being completed (est. 2025). Panthers and Charlotte Knights stadiums will be in walking distance (1-2 blocks) from the station. This is also great for the Panther training days. This project will be an essential mobility element, connecting various transportation modes in the area.

### **DMV Summer**

Secretary Boyette shared details on the Division of Motor Vehicles (DMV) summer updates with the Board. North Carolina Department of Motor Vehicles is anticipating a busy summer this year. The DMV points to several factors for the rise in customer demand at license offices:

- o Many people waiting until they were vaccinated to conduct in-person business.
- o A backlog of teen drivers who needed to wait until COVID-19 restrictions were lifted to take their required road tests for a Class 3 license.
- o Summer is typically the busiest time for the DMV.

Due to expected rise in demand, the DMV has increased capacity by adding new offices, including walk-in locations, added Saturday hours and extended weekday hours at busier offices, hired new examiners and increased the number of online services. During these busy summer months, the DMV encourages people to use online services and schedule an appointment at [ncdot.gov/dmv](https://ncdot.gov/dmv).

### **HCTA Graduates**

Secretary Boyette shared details on the City Highway Construction Trades Academy graduates with the Board. Secretary Boyette mentioned the department had 13 to graduate from the James City Highway Construction Trades Academy, or HCTA, in mid-June. This was one of our state-coordinated training academies aimed at increasing the diversity and quality of the state's highway construction workforce. The training was sponsored by the NCDOT's Office of Civil Rights On-the-Job Training Unit, and this academy was hosted by the James City Community Center organization, a community-based nonprofit. The students underwent an

intensive, six-week, hands-on training. For the first time ever, NCDOT's Division of Highways partnered to provide two days of in-class and hands-on heavy equipment operation training at its New Bern maintenance yard. He shared additional academies are taking place in Fayetteville, Charlotte, and Greenville. Secretary Boyette mentioned plans in the works for a longer, 8-week Highway Construction Trades Academy programs in Wilmington, Robeson County, the Triad, Asheville, and Morganton.

## **Personal Drones**

Secretary Boyette shared an update on personal drones with the Board. He shared North Carolina residents and visitors are expected to use their personal drones this summer more than ever. More than 30,000 North Carolinians now own and operate drones for personal and recreational use. He shared with this number growing fast, the department wants to remind drone pilots to follow safety precautions because drones can be dangerous to others if they are not operated properly. He shared the 8 guidelines are:

- o Always fly below 400 feet above ground level.
- o Never fly near airports.
- o Avoid flying over events or crowds.
- o Don't fly at night, even if your drone has lights.
- o Never fly directly over people.
- o Don't fly near or above prisons.
- o Respect people's privacy.
- o Always keep the drone within your visual line of sight.

## **Ports**

Secretary Boyette shared details on the Ports update with the Board. Secretary Boyette shared the department operates two ports Wilmington and Morehead City. He mentioned the department is planning to design and construct a new warehouse that is roughly 7,500 square feet at The Port of Morehead City. This is critical as the port is at 100% capacity right now. Morehead is having a record year and is projected to finish this fiscal year with about 150,000 tons handled through the port. He mentioned some other Morehead facility updates:

- o A new computer operating system is coming online soon that will improve terminal operations and efficiencies.
- o New Crane Rail has been installed
- o The Port has received upgraded LED lighting and fire-suppression systems



Secretary Boyette shared details on Port of Wilmington who is now receiving regular shipments of tropical fruit from Latin America. Sealand's NAE (North Atlantic Express) delivered first shipment of bananas and pineapple last week on inaugural call to the Port of Wilmington. Dole Fresh Fruit Co. is set to provide a weekly inbound shipment of committed produce from Costa Rica to the Port of Wilmington. This movement of these products through North Carolina Ports highlights the Ports' continual positive momentum, especially on the cold chain front. Ongoing capital projects to grow the port's refrigerated container yard and construct a climate-controlled storage space will help attract more fresh produce movement to Wilmington.

### **STAND for Values Awards**

Secretary Boyette shared an update on the STAND for Values Awards with the Board. He shared the department has seven core values that guide the department in its everyday decision making. Safety, Customer Service, Diversity, Integrity, Quality, Teamwork, and Innovation. He mentioned all department employees had the chance to nominate or be nominated for awards, which recognize those who embody those values. He shared the department's winners of each category are attending the Board meeting to be honored, and honorable mentions will have certificates sent to them. The STAND for Values winners were:

- **Customer Service**
  - Winner: Ioana Brasoveanu
  - Honorable mentions: Patrick Dely and Todd Morgan
- **Diversity**
  - Winner: James Fuller
  - Honorable mentions: Neil Mastin and Matthew Clarke
- **Innovation**
  - Winner: Amanda Conner
  - Honorable mentions: Clare Fullerton and Oak Thammavong
- **Integrity**
  - Winner: Rachel Bingham
  - Honorable mentions: Teakkeun Kim and Jerry Campbell
- **Quality**
  - Winner: Katie Trout
  - Honorable mentions: Taryn Secoy and Andrew Barksdale
- **Safety**
  - Winner: Robin Barfield
  - Honorable mentions: J. Thad Howell and Alexis Santi
- **Teamwork**
  - We had a tie for winner: Heather Hildebrandt and Tammy Massey
  - Honorable mentions: Patrick Doran and Ashley Clowes Lowery.

Secretary Boyette mentioned the department also would be naming a grand winner out of these 8 category winners. The grand winner was James Fuller. Secretary Boyette thanked everyone for their hard work and dedication to the department.

### **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.

**Item C:** All bids were rejected for the project on page 11 of 11. The remaining projects were awarded by the secretary to the low bidder.

### **Consideration 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 Rosenburgh and seconded by Board Member Cody to approve all projects for items G, I, K, M, N, O, P, R, and S. (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 call a vote for the action item under consideration. He stated please say either yes or "aye" to indicate yes or if opposed, please say "no".

There were no members who opposed, and the board unanimously approved the project items.

Chairman Fox stated the motion passed.

## **ACTION**

### **Provisional SFY 2022 – SFY 2023 Spend Plan**

Chairman Fox stated to members of the Board the provisional SFY 2022 – SFY 2023 Spend Plan has been in discussion over the past month and was presented to the Board in yesterday's Finance Committee. The provisional SFY2022 – SFY 2023 Spend Plan utilizes the FY21 continuation budget. Today's board action will allow for a draft spend plan to continue operations for the Department until the Certified Budget is approved.

Chairman Fox stated if there are no additions or corrections, that he would accept a motion that the Board adopt the provisional SFY2022 – SFY 2023 Spend Plan utilizes the FY21 continuation budget as provided. A motion was made by Board Member Hunt and seconded by Board Member Rosenburgh.

Chairman Fox shared that he would call a vote for the action item under consideration. He stated please say either yes or "aye" to indicate yes or if opposed, please say "no".

There were no members who opposed, and the board unanimously approved the provisional SFY2022 – SFY 2023 Spend Plan utilizes the FY21 continuation budget. (It is attached at the end of this document)

Chairman Fox stated the motion passed.

### **Grant Anticipation Revenue Vehicles (GARVEE) Bond Issuance**

Chairman Fox stated to members the GARVEE bond issuance was presented to the Board in yesterday's work session.

Chairman Fox stated if there are no additions or corrections, that he would accept a motion that the Board adopt the GARVEE bond issuance as provided. A motion was made by Board Member Lathrop and seconded by Board Member Moran.

Chairman Fox shared that he would call a vote for the action item under consideration. He stated please say either yes or "aye" to indicate yes or if opposed, please say "no".

There were no members who opposed, and the board unanimously approved the GARVEE bond issuance. (The action item is attached at the end of this document.)

Chairman Fox stated the motion passed. Chairman Fox stated this approved the Department's use of bonds, including for federally funded projects.

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

- Item I – The Integrated Mobility Division will contract with NCSU (ITRE) to provide Training/Professional Development related to the delivery of ADA training to transit professionals.
- Item I – The Integrated Mobility Division will contract with NCSU (ITRE) to provide technical assistance to the Division and subrecipients.
- Item M – Project 34187.3.GV2, NHIMF-5-2(62)48; I-85 from south of SR 2894 Speedway-Concord Mills Boulevard) in Mecklenburg County to NC 73 in Cabarrus County. \$193,840,360.00 has previously been approved for construction. Funds need to be decreased (\$7,850,831.00) for reconciliation after Debt Service and refund payments. This is a GARVEE Bond project. This is a Strategic Transportation Investment (STI) transition project.
- Item M – Project 51006.1.16, Federal No. 00SS116; Replacement of one heavy-duty diesel truck owned and operated by MTS Trucking, Inc., through Mecklenburg County Air Quality (MCAQ) grants to replace aging diesel engines (GRADE) program, and to reduce nitrogen oxide emissions in the Mecklenburg County, NC region. Funds are needed for preliminary engineering.
- Item M – Project 51006.1.17, Federal No. 00SS117; Replacement of one heavy-duty diesel truck owned and operated by MTS Trucking, Inc. (Repower), through Mecklenburg County Air Quality (MCAQ) grants to replace aging diesel engines (GRADE) program to reduce nitrogen oxide emissions in the Mecklenburg County, NC region. Funds are needed for preliminary engineering.
- Item M – Project 51006.1.20, Federal No. 00SS120; Replacement of one heavy-duty diesel truck owned and operated by Doggett Concrete through Mecklenburg County Air Quality (MCAQ) grants to replace aging diesel engines (GRADE) program to reduce nitrogen oxide emissions in the Mecklenburg County, NC region. Funds are needed for preliminary engineering.
- Item N – Project TU-0002; GTA, THE CITY OF GREENSBORO WILL RECEIVE FUNDING TO PREPARE A TECHNICAL PLAN TO ESTABLISH WHAT WILL BE REQUIRED TO PROVIDE FREE BROADBAND INTERNET ACCESS IN LOW - INCOME AREAS USING TRANSIT, TRANSPORTATION AND OTHER PUBLIC INFRASTRUCTURE. ADD FUNDING TO FY 21 AT THE REQUEST OF MPO.

- Item N – Project AV-5731; CONCORD REGIONAL AIRPORT (JQF), SOUTH DEVELOPMENT AREA APRON EXPANSION - PHASE II: APRON EXPANSION (DESIGN & CONSTRUCTION) TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN, DELAY CONSTRUCTION FROM FY 21 TO FY 23.
- Item O – Project HL-0032 49617.3.1 10909; This Project consists of a road diet, pavement maintenance, signal and bike/pedestrian modifications along Lake Boone Trail, starting from I-440 to Ridge Road as part of the Department's Complete Streets Improvement initiative. The Municipality will be responsible for all aspects of the project. The Department will reimburse 80% of eligible expenses incurred by the Municipality up to a maximum of \$1,017,600 in STBG-DA funds. The Municipality shall be responsible for the 20% non-federal match (\$254,400) and all costs that exceed the total available funding of \$1,272,000.
- Item O – U-3308 34915.3.FR1 10902; The Project consists of widening NC 55 Alston Avenue to a four-lane divided facility from NC 147 to north of US 70 Business to NC 98 (Holloway Street) and replacing the Norfolk-Southern railroad bridges. At the request of the Municipality, the Department will adjust water lines, UC Surveying and As-Built Submission Fee and the creation of Mylars. The estimated cost of reimbursement from Municipality is \$216,730.
- Item O – Project SS-6007I,SS-6007N,SS-6007O,SS-6007Q,49119.3.1,49421.3.1, 49422.3.1,49424.3.1,10901; These Spot Safety projects consist of multiple traffic improvements; SS-6007I will install three section FYA signal heads; SS-6007N will replace three 5-section dog house signal heads with 4-section FYA signal heads; SS-6007O will provide a dedicated signal head per lane on SR 1541; SS-6007Q will provide for two additional primary signal head per lane on SR 1541 and replace two 5-section heads over the left turn lanes on Norwalk Street. The Municipality shall be responsible for all phase of said work and the Department will reimburse the Municipality up to a maximum of \$150,000 from Spot Safety Funds.
- Item O – Project M-0551CC, 49600.3.3, 10904; The Project consists of a survey designed to collect complete travel information for a 24-hour weekday period from a representative sample of households in the Piedmont Triad region. The Municipality shall be responsible for all aspects of the Project. The Department shall reimburse the Municipality \$678,976. Any costs exceeding the total \$848,720 will be borne to Municipality.

- Item O – Project 9908; This Programmatic Agreement identifies the responsibilities of the County to coordinate transportation planning in the Rocky River Rural Planning Organization (RPO) area and the Department to provide funding to support staffing and planning efforts by the County to perform work in the Planning Work Program (PWP). The Department will review and approve the funding eligibility of PWP work elements and will notify the County of the funding amounts annually.
- Item R – Project 8.1660601, Parcel 120, NC 49 (South Tryon Street) near Rampart Street in city of Charlotte Mecklenburg County Disposal of approximately 0.078 acre surplus right of way (Drainage Easement), to VV 2100 Development, LLC, for no consideration.

# **NCDOT Board of Transportation Agenda**

## **ITEM C**

**JUNE 15, 2021**

**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.  
JUNE 15, 2021  
DIVISION 00001

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\* RELET FROM APRIL 20, 2021

\* C204648  
45861.3.1  
STBG-0111(025)  
PASQUOTANK  
U-5942

PROPOSAL LENGTH 20.000 MILES

TYPE OF WORK SIGNALS.

LOCATION ELIZABETH CITY SIGNAL SYSTEM.

EST CONST PROGRESS.... FY-2022..79% OF BID  
FY-2023..21% OF BID

RPN 001 2 BIDDER(S) DBE GOAL 0.00%

ESTIMATE 3,321,458.60

DATE AVAILABLE JUL 26 2021

FINAL COMPLETION DEC 05 2022

	\$ TOTALS	% DIFF
ALS OF NORTH CAROLINA LLC SALISBURY, NC	4,399,018.00	+32.4
BROOKS BERRY HAYNIE & ASSOCIATES, INC. MABLETON, GA	5,633,858.20	+69.6

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# RELET SUMMARY PAGE

## JUNE 15, 2021 LETTING

45861.3.1  
STBG-0111(025)  
PASQUOTANK  
U-5942

RPN 001

SIGNALS.

DATE AVAILABLE JUL 26 2021  
FINAL COMPLETION DEC 05 2022

### ENGINEER'S ESTIMATE

\$3,321,458.60

ALS OF NORTH CAROLINA LLC SALISBURY, NC  
BROOKS BERRY HAYNIE & ASSOCIATES, INC. MABLETON, GA

\$ TOTALS	% DIFF
4,399,018.00	+32.4
5,633,858.20	+69.6

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## APRIL 20, 2021 LETTING

45861.3.1  
STBG-0111(025)  
PASQUOTANK  
U-5942

RPN 001

SIGNALS.

DATE AVAILABLE JUN 02 2021  
FINAL COMPLETION OCT 05 2022

### ENGINEER'S ESTIMATE

\$2,983,442.58

ALS OF NORTH CAROLINA LLC SALISBURY, NC  
BROOKS BERRY HAYNIE & ASSOCIATES, INC. MABLETON, GA

\$ TOTALS	% DIFF
4,134,427.50	+38.6
5,694,417.45	+90.9

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
JUNE 15, 2021  
DIVISION 00003

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C204620  
67017.3.1  
STATE FUNDED  
DUPLIN  
BR-0017

PROPOSAL LENGTH 0.152 MILES

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

LOCATION BRIDGE #12 OVER LITTLE ROCKFISH CREEK ON NC-11.

EST CONST PROGRESS.... FY-2022..93% OF BID  
FY-2023..07% OF BID

RPN 004 7 BIDDER(S) DBE GOAL 4.00 %  
ESTIMATE 2,090,482.48

DATE AVAILABLE JUL 26 2021

INTER COMPLETION SEP 01 2022 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION OR  
PERMANENT VEGETATION ESTABLISHMENT

FINAL COMPLETION FEB 28 2023

	\$ TOTALS	% DIFF
UNITED CONTRACTORS, INC. DBA UNITED CONTRACTORS INC. OF IOWA JO	2,379,784.31	+13.8
S & C CONSTRUCTION LLC WILMINGTON, NC	2,385,437.64	+14.1
DANE CONSTRUCTION INC MOORESVILLE, NC	2,393,018.93	+14.5
S T WOOTEN CORPORATION WILSON, NC	2,438,599.01	+16.7
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	2,453,373.61	+17.4
DELLINGER INC MONROE, NC	2,555,982.15	+22.3
PALMETTO INFRASTRUCTURE INC GREENVILLE, SC	2,684,063.35	+28.4

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HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
JUNE 15, 2021  
DIVISION 00004

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C204350

47617.3.1, 49074.3.2, 49075.3.2

NHP-1522(005), STATE FUNDED

NASH

B-5980, BR-0036, BR-0039

PROPOSAL LENGTH 1.282 MILES

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

LOCATION I-95 AT SR-1544 (HALIFAX RD), BRIDGE #41 OVER I-95 ON NC-33, AND BRIDGE #224 OVER I-95 ON SR-1510.

EST CONST PROGRESS.... FY-2022..54% OF BID  
FY-2023..39% OF BID  
FY-2024..07% OF BID

RPN 005 6 BIDDER(S) DBE GOAL 8.00 %  
ESTIMATE 23,357,576.18

DATE AVAILABLE JUL 26 2021

INTER COMPLETION NOV 01 2023 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION OR PERMANENT VEGETATION ESTABLISHMENT  
BR-0036: COMPLETE PHASE I, STEP #5 THRU PHASE IV, STEP #1 IN TWO HUNDRED FORTY (240) CONS. CALENDAR DAYS

FINAL COMPLETION APR 29 2024

	\$ TOTALS	% DIFF
BARNHILL CONTRACTING CO ROCKY MOUNT, NC	23,012,553.78	-1.5
ZACHRY CONSTRUCTION CORPORATION SAN ANTONIO, TX	23,742,632.73	+1.6
CONTI ENTERPRISES INC EDISON, NJ	23,882,442.00	+2.2
W C ENGLISH INCORPORATED LYNCHBURG, VA	23,885,653.20	+2.3
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	25,725,335.54	+10.1
FLATIRON CONSTRUCTORS INC MORRISVILLE, NC	27,165,914.46	+16.3

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HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
JUNE 15, 2021  
DIVISION 00005

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C204643

2021CPT.05.21.10921.1, 2021CPT.05.21.20921.1

STATE FUNDED

WAKE

PROPOSAL LENGTH 22.414 MILES

TYPE OF WORK MILLING AND RESURFACING.

LOCATION 1 SECTION OF US-1 AND 67 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2022..79% OF BID  
FY-2023..21% OF BID

RPN 006 4 BIDDER(S) DBE GOAL 9.00 %  
ESTIMATE 4,456,430.10

DATE AVAILABLE AUG 02 2021

FINAL COMPLETION NOV 30 2022

	\$ TOTALS	% DIFF
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	4,238,060.60	-4.9
BLYTHE CONSTRUCTION INC CHARLOTTE, NC	4,363,248.00	-2.1
CAROLINA SUNROCK LLC RALEIGH, NC	4,393,774.15	-1.4
S T WOOTEN CORPORATION WILSON, NC	4,681,035.00	+5.0

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HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
JUNE 15, 2021  
DIVISION 00008

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C204640  
2021CPT.08.12.20531  
STATE FUNDED  
LEE

PROPOSAL LENGTH 6.870 MILES

TYPE OF WORK MILLING AND RESURFACING.

LOCATION 10 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2022..100% OF BID

RPN 007 2 BIDDER(S) DBE GOAL 8.00 %  
ESTIMATE 1,464,738.25

DATE AVAILABLE JUL 26 2021

INTER COMPLETION SEP 03 2021 COMPLETE ALL WORK REQUIRED FOR MAPS # 5 THRU #10

FINAL COMPLETION JUN 30 2022

	\$ TOTALS	% DIFF
S T WOOTEN CORPORATION WILSON, NC	1,323,015.00	-9.7
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	1,338,613.76	-8.6

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HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
JUNE 15, 2021  
DIVISION 00008

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C204641  
2021CPT.08.13.20631  
STATE FUNDED  
MOORE

PROPOSAL LENGTH    9.460    MILES  
TYPE OF WORK    MILLING AND RESURFACING.  
LOCATION    6 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2022..100%   OF   BID

RPN 008                      2 BIDDER(S)              DBE GOAL    8.00 %  
ESTIMATE 1,513,476.11

DATE AVAILABLE        JUL 26 2021  
INTER COMPLETION    AUG 20 2021 COMPLETE ALL WORK REQUIRED ON MAP #6  
FINAL COMPLETION    JUN 30 2022

	\$ TOTALS	% DIFF
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	1,414,948.11	-6.5
S T WOOTEN CORPORATION WILSON, NC	1,487,745.00	-1.7

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HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
JUNE 15, 2021  
DIVISION 00008

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C204642  
2021CPT.08.14.20761  
STATE FUNDED  
RANDOLPH

PROPOSAL LENGTH    10.840    MILES  
TYPE OF WORK    MILLING AND RESURFACING.  
LOCATION            4 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2022..100% OF BID

RPN 009                    4 BIDDER(S)            DBE GOAL    6.00 %  
ESTIMATE 1,588,546.45

DATE AVAILABLE        JUL 26 2021  
FINAL COMPLETION     JUN 30 2022

	\$ TOTALS	% DIFF
APAC - ATLANTIC INC THOMPSON ARTHUR DIVISION GREENSBORO, NC	1,536,564.79	-3.3
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	1,601,946.00	+0.8
BLYTHE CONSTRUCTION INC CHARLOTTE, NC	1,660,573.45	+4.5
SHARPE BROTHERS A DIVISION OF VECELLIO & GROGAN INC GREENSBORO, NC	1,714,784.24	+7.9

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HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
JUNE 15, 2021  
DIVISION 00008

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C204644

2021CPT.08.15.10771, 2021CPT.08.15.20771

STATE FUNDED

RICHMOND

PROPOSAL LENGTH 16.764 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER GRADING.

LOCATION 7 SECTIONS OF US-74 BYPASS, 1 SECTION OF US-74, AND 4 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2022..100% OF BID

RPN 010

2 BIDDER(S)

DBE GOAL 8.00 %

ESTIMATE 5,934,420.75

DATE AVAILABLE JUL 26 2021

INTER COMPLETION NOV 15 2021 COMPLETE RESURFACING OPERATIONS ON MAPS #1 THRU #8

FINAL COMPLETION JUN 30 2022

	\$ TOTALS	% DIFF
BARNHILL CONTRACTING CO ROCKY MOUNT, NC	5,499,874.93	-7.3
BOGGS CONTRACTING INC MONROE, NC	6,325,800.55	+6.6

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HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
JUNE 15, 2021  
DIVISION 00010

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\* RELET FROM APRIL 20, 2021

\* C204647

45888.3.1

0085058

MECKLENBURG

I-5905

PROPOSAL LENGTH 6.080 MILES

TYPE OF WORK PAVEMENT AND STRUCTURE REHABILITATION.

LOCATION I-85 FROM MILE MARKER 35.95 TO MILE MARKER 42.03.

EST CONST PROGRESS.... FY-2022..85% OF BID  
FY-2023..15% OF BID

RPN 002

3 BIDDER(S)

DBE GOAL 6.00 %

ESTIMATE 17,514,228.60

DATE AVAILABLE JUL 26 2021

INTER COMPLETION NOV 15 2022 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION OR  
PERMANENT VEGETATION ESTABLISHMENT

FINAL COMPLETION MAY 14 2023

	\$ TOTALS	% DIFF
BOGGS CONTRACTING INC MONROE, NC	15,294,742.91	-12.7
BLYTHE CONSTRUCTION INC CHARLOTTE, NC	16,757,181.76	-4.3
BLYTHE DEVELOPMENT CO CHARLOTTE, NC	18,954,922.35	+8.2

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# RELET SUMMARY PAGE

## JUNE 15, 2021 LETTING

45888.3.1  
0085058  
MECKLENBURG  
I-5905

RPN 002

PAVEMENT AND STRUCTURE REHABILITATION.

DATE AVAILABLE JUL 26 2021  
FINAL COMPLETION MAY 14 2023

### ENGINEER'S ESTIMATE

\$17,514,228.60

BOGGS CONTRACTING INC MONROE, NC  
BLYTHE CONSTRUCTION INC CHARLOTTE, NC  
BLYTHE DEVELOPMENT CO CHARLOTTE, NC

\$ TOTALS	% DIFF
15,294,742.91	-12.7
16,757,181.76	-4.3
18,954,922.35	+8.2

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## APRIL 20, 2021 LETTING

45888.3.1  
0085058  
MECKLENBURG  
I-5905

RPN 012

PAVEMENT AND STRUCTURE REHABILITATION.

DATE AVAILABLE JUN 01 2021  
FINAL COMPLETION APR 13 2023

### ENGINEER'S ESTIMATE

\$17,363,578.60

BLYTHE CONSTRUCTION INC CHARLOTTE, NC  
BLYTHE DEVELOPMENT CO CHARLOTTE, NC

\$ TOTALS	% DIFF
15,185,093.65	-12.5
19,130,727.08	+10.2

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
JUNE 15, 2021  
DIVISION 00010

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\* RELET FROM APRIL 20, 2021

\* C204646

2021CPT.10.15.10601, 2021CPT.10.15.20601

STATE FUNDED

MECKLENBURG

PROPOSAL LENGTH 21.466 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER GRADING.

LOCATION 1 SECTION OF US-74, 2 SECTIONS OF NC-16, 1 SECTION OF NC-160 , 1 SECTION OF NC-115,  
AND 19 SECTIONS OF SECONDARY ROADS.

EST CONST PROGRESS.... FY-2022..96% OF BID  
FY-2023..04% OF BID

RPN 003 4 BIDDER(S) DBE GOAL 6.00 %

ESTIMATE 6,897,881.36

DATE AVAILABLE JUL 26 2021

INTER COMPLETION SEP 30 2021 COMPLETE ALL WORK REQUIRED FOR FULL DEPTH RECLAMATION ON  
MAP #25

FINAL COMPLETION AUG 01 2022

	\$ TOTALS	% DIFF
BOGGS CONTRACTING INC MONROE, NC	6,739,306.65	-2.3
BLYTHE BROTHERS ASPHALT CO LLC CHARLOTTE, NC	6,912,372.82	+0.2
SLOAN CONSTRUCTION A DIVISION OF REEVES CONSTRUCTION CO DUNCA	7,531,989.17	+9.2
BLYTHE CONSTRUCTION INC CHARLOTTE, NC	7,614,622.77	+10.4

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# RELET SUMMARY PAGE

## JUNE 15, 2021 LETTING

2021CPT.10.15.10601, 2021CPT.10.15.20601  
STATE FUNDED  
MECKLENBURG

RPN 003

MILLING, RESURFACING, AND SHOULDER GRADING.

DATE AVAILABLE JUL 26 2021  
FINAL COMPLETION AUG 01 2022

### ENGINEER'S ESTIMATE

\$6,897,881.36

	\$ TOTALS	% DIFF
BOGGS CONTRACTING INC MONROE, NC	6,739,306.65	-2.3
BLYTHE BROTHERS ASPHALT CO LLC CHARLOTTE, NC	6,912,372.82	+0.2
SLOAN CONSTRUCTION A DIVISION OF REEVES CONSTRUCTION CO DUNCA	7,531,989.17	+9.2
BLYTHE CONSTRUCTION INC CHARLOTTE, NC	7,614,622.77	+10.4

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## APRIL 20, 2021 LETTING

2021CPT.10.15.10601, 2021CPT.10.15.20601  
STATE FUNDED  
MECKLENBURG

RPN 013

MILLING, RESURFACING, AND SHOULDER GRADING.

DATE AVAILABLE JUN 01 2021  
FINAL COMPLETION JUL 01 2022

### ENGINEER'S ESTIMATE

\$ 6,835,031.36

	\$ TOTALS	% DIFF
BLYTHE BROTHERS ASPHALT CO LLC CHARLOTTE, NC	6,958,308.67	+1.8
SLOAN CONSTRUCTION A DIVISION OF REEVES CONSTRUCTION CO DUNCA	7,421,427.42	+8.6
BLYTHE CONSTRUCTION INC CHARLOTTE, NC	7,524,852.39	+10.1

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
JUNE 15, 2021  
DIVISION 00014

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C204638  
15614.1075010  
STATE FUNDED  
POLK

PROPOSAL LENGTH 0.892 MILES

TYPE OF WORK GRADING, DRAINAGE, AND PAVING.

LOCATION I-26 FROM MILE MARKER 62.5 TO MILE MARKER 64.

EST CONST PROGRESS.... FY-2022..72% OF BID  
FY-2023..28% OF BID

RPN 011 1 BIDDER(S) DBE GOAL 8.00 %  
ESTIMATE 7,701,790.05

DATE AVAILABLE JUL 26 2021

INTER COMPLETION MAY 01 2023 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION OR  
PERMANENT VEGETATION ESTABLISHMENT

FINAL COMPLETION OCT 28 2023

	\$ TOTALS	% DIFF
BUCHANAN AND SONS INC WHITTIER, NC	19,940,000.00	+158.9

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ESTIMATE TOTAL	75,841,028.93	
LETTING TOTAL	85,777,869.08	+13.1

**NCDOT JULY 2021  
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**

**Chief Engineer**

**Divisions**

**Division 5**

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>DIVISION 5</b>	
Project:	34745.3.S2 (U-0071) Durham County
	Durham East End Connector from North of NC 98 to NC 147 (Buck Dean Freeway)
Scope of Work:	Construction Engineering and Inspection Services
Estimated Construction Cost:	\$105,525,000.00
Firm:	RS&H Architects Engineers Planners Inc, Jacksonville, FL
Original Engineering Fee:	\$10,500,000.00
Supplemental Fee:	\$635,439.40
Supplemental Work:	Additional Construction Engineering and Inspection Services
SPSF Utilization:	0%

**Division 13**

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>DIVISION 13</b>	
Description of work:	2018 Western Divisions' Planning & Design Engineering Services Consultant (P&DSC) and General Engineering Services Consultant (GESC) LSC
Firm:	Gannett Fleming Inc, Philadelphia, PA
Original Engineering Fee:	\$5,000,000.00
Supplemental Fee:	\$1,500,000.00
SPSF Utilization:	Mattern & Craig Inc
	8% / \$120,000.00
SPSF Utilization:	MI Engineering PLLC
	8% / \$120,000.00
DBE/WBE/SPSF Utilization:	Three Oaks Engineering
	7% / \$105,000.00

**Technical Services****Project 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:	2020 Planning & Design Engineering Services Consultant (P&DSC) and General Engineering Services Consultant (GESC) LSC
Firm:	AECOM Technical Services of North Carolina Inc, Chicago, IL
Original Engineering Fee:	\$4,000,000.00
Supplemental Fee:	\$2,000,000.00
SPSF Utilization:	0%



## Turnpike Authority

### Turnpike Authority

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 On-Call General Technology and Operations Services on an as needed basis for various federal-aid and state funded projects to support the Turnpike Authority. These contracts will expire three (3) years with two (2) one-year extensions possible after the date of execution or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

<b>STATEWIDE</b>	
Description of Work:	2021 On-Call General Technology and Operations Services for NCTA Projects LSC
Firm:	Atkins North America Inc, Atlanta, GA
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	B W Zimmerman & Associates Inc
	5% / \$100,000.00
DBE/WBE Utilization:	CMB Consulting LLC
	10% / \$200,000.00
Description of Work:	2021 On-Call General Technology and Operations Services for NCTA Projects LSC
Firm:	CDM Smith Inc, Atlanta, GA
Maximum Engineering Fee:	\$1,000,000.00
DBE/MBE Utilization:	Cayuse Government Services, LLC
	12% / \$120,000.00
Description of Work:	2021 On-Call General Technology and Operations Services for NCTA Projects LSC
Firm:	Deloitte Consulting LLP, New York, NY
Maximum Engineering Fee:	\$1,000,000.00
SPSF Utilization:	0%
Description of Work:	2021 On-Call General Technology and Operations Services for NCTA Projects LSC
Firm:	Gannett Fleming Inc, Philadelphia, PA
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	0%

Description of Work:	2021 On-Call General Technology and Operations Services for NCTA Projects LSC
Firm:	RK&K, Raleigh, NC
Maximum Engineering Fee:	\$2,000,000.00
DBE/WBE Utilization:	CMB Consulting LLC
	25% / \$500,000.00
DBE/MBE Utilization:	AceApplications LLC
	5% / \$100,000.00
Description of Work:	2021 On-Call General Technology and Operations Services for NCTA Projects LSC
Firm:	RS&H Architects Engineers Planners Inc, Jacksonville, FL
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	0%

**NCDOT JULY 2021 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 July 2021 Board meeting.

## NCDOT July 1, 2021 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 4</b>				
Johnston	52331	0.22	<b>Chandley Farm</b> Stratocastor Drive	5/3/2021
Johnston	52332	0.13 0.06	<b>Coopers Meadow</b> Coopers Meadow Drive Shrewsbury Court	4/28/2021
<b>Division 5</b>				
Wake	52333	0.12 0.08	<b>Jackson Plantation</b> Jackson Oaks Court Sago Palm Court	10/27/2020
Wake	52334	0.20	<b>Williams Walk</b> Abbey Grace Lane	5/14/2021
<b>Division 7</b>				
Guilford	52335	0.26 0.08 0.10	<b>North Ridge</b> Honkers Hollow Drive Honkers Hollow Court Extend SR 4676, Poplar Bluff Drive	3/31/2021
<b>Division 9</b>				
Davidson	52336	0.11 0.11	<b>Sedona</b> Sedona Drive Phoenix Court	5/13/2021
Stokes	52337	0.10	<b>Cedar Run</b> Abbey Place Court	4/29/2021
<b>Division 10</b>				
Union	52338	0.76 0.40 0.71	<b>Bromley</b> Bromley Drive Highbury Place Delaney Drive	2/23/2021
Union	52339	0.17	<b>Emerald Estates</b> Emerald Pointe Court	1/21/2021

## NCDOT July 1, 2021 Board of Transportation Agenda

### Abandonments from the State Highway System:

County	Petition Number	Length Abandoned (Miles)	Description and/or Subdivision	Date of Report
<b>Division 10</b>				
Union	52340	0.20	SR 2347, Quarter Horse Lane Retain 0.17 miles	4/1/2020
<b>Division 12</b>				
Catawba	52341	0.65	SR 1483, Punch Loop Road Retain 0.09 miles	5/17/2021

**Summary:**                **Number of roads petitioned for addition – 16**  
                                 **Number of roads petitioned for abandonment - 2**

### Corrections to the State Highway System:

County	Requested Action
Guilford	Petition 51830. Correct the length of abandonment for SR 1863 Bending Road from 0.29 to 0.76 miles. This correction is retroactive to April 4, 2019.
Johnston	Petition 52290 incorrectly listed Johnson County and the correct County is Johnston. This correction is retroactive to May 06, 2021.
Pender	Petition 26734. Correct the length of addition for SR 1635 Steve Pearsall Road presently Sandy Bend Road from 0.82 miles to 0.78 miles. This correction is retroactive to November 4, 1984.
Rowan	Petition 35104. Correct the length of addition for the extension of SR 2137 Shore Acres Drive from 0.49 to 0.56 miles. This correction is retroactive to March 2, 1990.
Wake	Petition 42450. Correct the length of addition for SR 4807 Malos Street from 0.16 miles to 0.23 miles. This correction is retroactive to November 7, 1997.

**NCDOT JULY 2021 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 4 Halifax	WBS 80075 was established (02/18) to construct back-to-back left turn lanes along US 158 between I-95 ramp termini, including sidewalks Decrease funds	High Impact / Low Cost <u>TOTAL</u>	<u>(\$400,000.00)</u> (\$400,000.00)
Div 4 Johnston	Town of Archer Lodge – WBS 80094 was established (11/18) for roadway and pedestrian improvements including construction of approximately 1500 ft of concrete curb and gutter, storm drainage, and sidewalks along SR 1003 (Buffalo Rd) from SR 1702 (Archer Lodge Rd) headed north. Increase funds	High Impact / Low Cost <u>TOTAL</u>	<u>\$400,000.00</u> \$400,000.00
Div 11 Caldwell	Town of Granite Falls – Bore and jack approximately 335 ft of 30" pipe and replace extra depth masonry drainage structure along US 321 in front of Three Day Church WBS 49601	Contingency <u>TOTAL</u>	<u>\$250,000.00</u> \$250,000.00

**Deletions:**

Div 1, Dare County – WBS 80043 was established (01/19) to repair and restore existing ocean outfall in South Nags Head in conjunction with the Nags Head Beach Nourishment Plan; project is being deleted because the work was completed using other funds.

Div 1, Northampton County – WBS 44787 was established (05/16) to install a new storm drainage culvert under NC 305 approximately 0.75 mile east of the intersection of NC 305 and US 258 at the new outlet ditch provided by the Town of Rich Square; project is being deleted because the necessary easements were not obtained.

**NCDOT JULY 2021 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>2</b>
	<b>Number of Projects</b>	<b>3</b>
<b>High Impact/Low Cost Commitment</b>		<b>\$0.00</b>
<b>Small Construction Commitment</b>		<b>\$0.00</b>
<b>Contingency Commitment</b>		<b>\$250,000.00</b>
<b>Economic Development Commitment</b>		<b>\$0.00</b>
<b>Public Access Commitment</b>		<b>\$0.00</b>
<b>TOTAL:</b>		<b>\$250,000.00</b>

# NCDOT July Board of Transportation Agenda

## Public Transportation Program

<u>Division</u>	<u>Project Number</u>	<u>CONCPT</u>	<u>Estimated Project Cost</u>
03	22-CO-052	CAPE FEAR PUBLIC TRANSPORTATION AUTHORITY FY22 ConCPT Coordination - Operating CO: support for the coordination of transit trips between New Hanover, Brunswick, and Pender counties through a regional, on-demand microtransit project	<b>\$600,000.00 Total</b> \$0.00 Federal \$600,000.00 State \$0.00 Local

<u>Division</u>	<u>Project Number</u>	<u>Planning and Research</u>	<u>Estimated Project Cost</u>
Statewide	n/a	The Integrated Mobility Division will contract with NCSU (ITRE) to provide technical assistance to the Division and subrecipients.	<b>\$587,346.00 Total</b> \$469,877.00 Federal \$117,469.00 State \$0.00 Local
Statewide	n/a	The Integrated Mobility Division will contract with NCSU (ITRE) to provide Training/Professional Development related to the delivery of ADA training to transit professionals.	<b>\$76,443.00 Total</b> \$76,443.00 Federal \$0.00 State \$0.00 Local



**Item I - I: Total Projects 3: Total Federal and State Funds \$1,263,789**

<b><u>No of Projects</u></b>	<b><u>Program ID</u></b>	<b><u>Federal Amount</u></b>	<b><u>State Amount</u></b>	<b><u>Local Amount</u></b>	<b><u>Total Amount</u></b>
1	P2022_CONCPT_OPERATING	\$0	\$600,000	\$0	\$600,000
2	Planning and Research	\$546,320	\$117,469	\$0	\$663,789
1	<b>TOTAL</b>	<b>\$546,320</b>	<b>\$717,469</b>	<b>\$0</b>	<b>\$1,263,789</b>

**NCDOT July 2021 Board of Transportation Agenda**

**Rail Program**

**Town/County  
Division**

**Project Description**

**Estimated  
Cost**

There will be no items presented for approval at the July 1, 2021, Board of Transportation meeting.

**ITEM I - 2 SUMMARY – NO PROJECTS**

**NCDOT July 2021 Board of Transportation Agenda**

**Division of Bicycle and Pedestrian Transportation**

<b>Town/County Division</b>	<b>Project Description</b>	<b>Estimated Cost</b>
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	There will be no items presented for approval at the July 1, 2021, Board of Transportation meeting.	
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**ITEM I - 3 SUMMARY – NO PROJECTS**

## NCDOT July 2021 Board of Transportation Agenda

### Aviation Program

Division Airport County	Project Description	Estimate
Division 2 Kinston Regional Jetport Lenoir County	<b>Project Two                      WBS TBD</b> This project includes the design and construction of a new apron, taxiway connector and parking to support hangar development for an existing industry expansion. This project is expected to generate 200 new jobs, has met the requirements for economic development funds and will be awarded based on available funds. <b>(PR#4441)</b>	\$10,500,000 Total \$2,500,000 State \$8,500,000 Other
Division 8 Moore County Airport Moore County	<b>Project Earhart                      WBS TBD</b> This project will renovate an existing building at the airport to house simulators for pilot training to achieve private, instrument, and commercial rating with FAA. The remainder of the facility will be used for aircraft maintenance and other aviation training. This project is expected to generate 24 new jobs, has met the requirements for economic development funds and will be awarded based on available funds. <b>(PR#TBD)</b>	\$260,000 Total \$60,000 State \$200,000 Other

**ITEM I-4 SUMMARY – 2 REQUESTS – Total State Aid Cost \$2,560,000**

**Total Other Investment \$8,700,000**

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

**NCDOT July 2021 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>
Dare Co. Div. 1 B-2500C DIVISION	WBS 32635.1.10 Improvements at the intersection of NC 12 and Coquina Beach Road/Bodie Island Lighthouse Road. Initial funds are requested for preliminary engineering.	\$130,000.00
Dare Co. Div. 1 R-2544 STATEWIDE	WBS 35487.1.1 US 64 from East of the Alligator River to US 264. \$8,333,795.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$1,304,033.88). WBS will be closed. <b>This project has previously been identified as a Trust Fund Intrastate System project.</b>	-\$1,304,033.88
Dare Co. Div. 1 R-3419 REGIONAL	WBS 38860.1.1 US 64 from NC 12 to Eastern end of Currituck Sound Bridge. \$1,000,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$518,256.90). WBS will be closed.	-\$518,256.90
Northampton Co. Div. 1 R-2582A STATEWIDE/ DIVISION	WBS 34472.1.4 US 158 from I-95 / NC 46 in Roanoke Rapids to SR 1312 (St. John Church Road) in Northampton County. \$4,016,605.00 has previously been approved for preliminary engineering. Additional funds are requested. WBS will be closed. <b>This project has previously been identified as a Trust Fund Intrastate System project.</b> This is a <b>BUILD NC BOND</b> project.	\$16,535.97
Northampton Co. Div. 1 R-2582WM(A) DIVISION	WBS 34472.4.1 US 158/NC 46 from I-95/NC 46 in Roanoke Rapids to SR 1312 (St. John Church Road) in Northampton County. Initial Ecosystem Enhancement Program funds are requested for Fiscal Year 2020.	\$1,641,936.00

**NCDOT July 2021 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>
Washington Co. Div. 1 R-5936 DIVISION	WBS 48551.1.1 SR 1126 (Roper Newland Road) from SR 1128 (A Canal Road) to SR 1183 (Shore Drive). \$10,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$7,481.02). Funds are not needed at this time.	-\$7,481.02
Washington Co. Div. 1 R-5937 DIVISION	WBS 48552.1.1 SR 1106 (Morattock Road) from SR 1100 (Long Ridge Road) to NC 32 South. \$10,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$8,943.46). Funds are not needed at this time.	-\$8,943.46
Pitt Co. Div. 2 U-6196 DIVISION	WBS 48656.1.1 SR 1702 (Evans Street) from SR 1155 (Red Banks Road) to West 5TH Street. \$10,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$7,517.72). Funds are not needed at this time.	-\$7,517.72
Pitt Co. Div. 2 U-6215 DIVISION	WBS 48675.1.1 NC 33 from SR 1755 (Blackjack-Simpson Road) to SR 1760 (Mobleys Bridge Road). \$10,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$9,000.00). Funds are not needed at this time.	-\$9,000.00
Brunswick Co. Div. 3 R-5947 DIVISION	WBS 48568.1.1 NC 211 from SR 1112 (Sunset Harbor Road) to NC 906 (Midway Road). \$500,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$497,245.22). Funds are not needed at this time.	-\$497,245.22

**NCDOT July 2021 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>
Brunswick Co. Div. 3 U-6104 REGIONAL	WBS 48350.1.1 US 17 (Shallotte Bypass) at US 17 Business South (Main Street). \$760,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$737,874.60). Funds are not needed at this time.	-\$737,874.60
New Hanover Co. Div. 3 U-5880 STATEWIDE	WBS 44646.1.1 US 74 (Martin Luther King Jr. Boulevard) at US 17 Business (Market Street). \$1,000,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$960,423.98.). Funds are not needed at this time.	-\$960,423.98
Onslow Co. Div. 3 R-5948 DIVISION	WBS 48569.1.1 SR 1509 (Queens Creek Road) from Jones Road to SR 1565 (Smallwood Road). \$500,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$497,708.97). Funds are not needed at this time.	-\$497,708.97
Onslow Co. Div. 3 U-6081 DIVISION	WBS 47466.1.1 NC 53 (Western Boulevard) from SR 1308 (Gum Branch Road) to US 17 (Marine Boulevard). \$1,000,000.00 has previously been approved for preliminary engineering. Funds need to be decreased \$(573,011.66). Funds are not needed at this time.	-\$573,011.66
Pender Co. Div. 3 B-4929(L) REGIONAL	WBS 40233.3.2 Replace Bridge 16 over Intracoastal Waterway on NC 50-210. Initial funds are requested for landscaping.	\$650,000.00

**NCDOT July 2021 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>
Pender Co. Div. 3 R-5900 REGIONAL	WBS 48356.1.1 NC 50/NC 210 at SR 1534 (Belt Road). \$260,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$255,552.67). Funds are not needed at this time.	-\$255,552.67
Durham/ Granville Cos. Div. 5 HI-0001 STATEWIDE	WBS 49634.1.1 I-85/US 15 from North of SR 1637 (Redwood Road) in Durham County to South of US 15/ SR 1100 (Gate One Road) in Granville County. Initial funds are requested for preliminary engineering.	\$50,000.00
Wake Co. Div. 5 HE-0002 DIVISION	WBS 49745.1.1 Construct access road intersecting Green Oaks Parkway between Thomas Mill Road and NC 55. Initial funds are requested for preliminary engineering.	\$300,000.00
Raleigh/ Wake Co. Div. 5 I-5943 STATEWIDE	WBS 45886.1.1 I-40 from SR 1728 (Wade Avenue) to I-440 / US 1 in Raleigh. \$10,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$365,000.00
Raleigh/ Wake Co. Div. 5 I-5997 STATEWIDE	WBS 47952.1.1 I-440 / US 1 from SR 1728 (Wade Avenue) to SR 2000 (Wake Forest Road) in Raleigh. \$10,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$540,000.00



**NCDOT July 2021 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>
Raleigh/ Wake Co. Div. 5 I-5999 STATEWIDE	WBS 47954.1.1 I-540 from US 70 (Glenwood Avenue) to US 1 in Raleigh. Initial funds are requested for preliminary engineering.	\$175,000.00
Wake Co. Div. 5 P-5602EE STATEWIDE	WBS 46393.1.33 Dual mode locomotive feasibility study. \$100,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$99,000.00). Funds are not needed at this time.	-\$99,000.00
Columbus Co. Div. 6 R-5797 REGIONAL	WBS 44997.1.1 US 74 at SR 1506 (Boardman Road) intersection. \$1,502,183.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$271,000.00
Columbus Co. Div. 6 R-5819 DIVISION/ REGIONAL	WBS 47091.1.1 US 74 / US 76 at SR 1740 (Old Lake Road). \$1,540,129.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$502,000.00
Columbus Co. Div. 6 R-5820 DIVISION/ REGIONAL	WBS 47092.1.1 US 74/US 76 (COMB W/ R-5819) at SR 1735 (Chauncey Town Road). \$858,990.00 has previously been approved for preliminary engineering. Additional funds are requested using Regional Tier funding.	\$416,000.00

**NCDOT July 2021 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>
Cumberland Co. Div. 6 U-5101A DIVISION	WBS 41899.1.2 SR 1437 (Shaw Road), NC 24/NC 87 (Bragg Boulevard) to NC 210 (Murchison Road). \$750,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$716,427.00). Funds are not needed at this time.	-\$716,427.00
Cumberland Co. Div. 6 U-5802A DIVISION	WBS 44374.1.2 Spring Lake Bypass from NC 210 (Lillington Highway) to NC 210 (Murchinson Road). \$500,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$477,524.81). WBS will be closed.	-\$477,524.81
Cumberland Co. Div. 6 U-5802B DIVISION	WBS 44374.1.3 Spring Lake Bypass from NC 210 (Murchinson Road) to NC 87 (Bragg Boulevard). \$500,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$477,472.88). Funds are not needed at this time.	-\$477,472.88
Harnett Co. Div. 6 U-5933 STATEWIDE	WBS 45943.2.1 NC 87/24 at SR 1117 (Nursery Road). \$17,500.00 has previously been approved for full right of way. Funds need to be decreased (\$16,367.07). Funds are not needed at this time.	-\$16,367.07
Harnett Co. Div. 6 U-6052 REGIONAL	WBS 46959.1.1 US 421(Cumberland Street) from I-95 to SR 1718 (Erwin Road). \$1,000,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$474,208.26). WBS will be closed.	-\$474,208.26

**NCDOT July 2021 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>
Guilford Co. Div. 7 I-5735 STATEWIDE	WBS 52017.1.2 I-73 from Randolph County Line to I-85 / US 421 in Greensboro. \$150,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$148,892.51). Funds are not needed at this time.	-\$148,892.51
Greensboro/ Guilford Co. Div. 7 R-4707WM REGIONAL	WBS 36599.4.1 US 29 / SR 4771 (Reedy Fork Parkway) interchange in Greensboro. Initial Ecosystem Enhancement Program funds are requested for Fiscal Year 2020.	\$1,729,063.00
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. \$3,190,216.57 of Division Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds and \$1,009,783.43 of additional <b>BUILD NC BOND</b> funds is requested.	\$1,009,783.43
Guilford Co. Div. 7 U-2581WM(BA) DIVISION	WBS 34840.4.1 US 70 from SR 3045 (Mount Hope Church Road) to SR 3175 (Birch Creek Road). Initial Ecosystem Enhancement Program funds are requested for Fiscal Year 2020.	\$326,890.00
Lee Co. Div. 8 R-3830WM DIVISION	WBS 38887.4.1 NC 42 from US 421 to SR 1579 (Broadway Road) in Sanford and SR 1579 from NC 42 to SR 1538 (East Harrington Avenue) in Broadway. Initial Ecosystem Enhancement Program funds are requested for Fiscal Year 2020.	\$286,900.00

**NCDOT July 2021 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>
Davie Co. Div. 9 R-5728 REGIONAL	WBS 50220.3.1 US 601 at South Salisbury Street in Mocksville. \$750,000.00 has previously been approved for construction. Funds need to be decreased (\$340,242.33). WBS will be closed.	-\$340,242.33
Forsyth Co. Div. 9 B-5948 DIVISION	WBS 47214.1.1 Replace bridge #211 over Norfolk Southern Railroad on SR 2377 (Old Greensboro Road NE) in Winston Salem. \$150,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$148,694.78). WBS will be closed.	-\$148,694.78
Forsyth Co. Div. 9 R-2247 STATEWIDE	WBS 34409.1.1 Winston Salem Northern Beltway from US 158 to US 52. \$19,852,774.00 has previously been approved for preliminary engineering. Additional funds are requested. <b>This project has previously been identified as a Trust Fund Urban Loop project.</b>	\$50,000.00
Kernersville/ Forsyth Co. Div. 9 U-5760WM DIVISION	WBS 46381.4.1 Kernersville Southern Loop at US 421/Business 40 to NC 66 (West Mountain Street) in Kernersville. Initial Ecosystem Enhancement Program funds are requested for Fiscal Year 2021.	\$1,546,853.00
Forsyth Co. Div. 9 U-6079 DIVISION	WBS 47526.1.1 SR 2578 (Martin Luther King Jr. Boulevard) extension from Northwest Boulevard to SR 1770 (North Marshall Street) in Winston Salem. \$750,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$471,812.28). WBS will be closed.	-\$471,812.28

**NCDOT July 2021 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>
Rowan Co. Div. 9 B-5769 DIVISION	WBS 45725.3.1 Replace bridge 200 over Town Creek on SR 2539 (Peach Orchard Road). \$875,000.00 has previously been approved for construction. Funds need to be decreased (\$135,451.12). WBS will be closed.	-\$135,451.12
Stokes Co. Div. 9 I-5887 DIVISION	WBS 46372.1.1 US 52 / Future I-74 at SR 1102 (Trinity Church Road) near King. \$1,100,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$998,628.80). WBS will be closed.	-\$998,628.80
Mecklenburg Co. Div. 10 I-5507WM STATEWIDE	WBS 43609.4.1 I-485 (Charlotte Outer Loop) from I-77 to US 74 (Independence Boulevard). Initial Ecosystem Enhancement Program funds are requested for Fiscal Year 2020.	\$1,608,559.00
Mecklenburg Co. Div. 10 I-5507WM STATEWIDE	WBS 43609.4.1 I-485 (Charlotte Outer Loop) from I-77 to US 74 (Independence Boulevard). Initial Ecosystem Enhancement Program funds are requested for Fiscal Year 2021.	\$1,616,843.00
Mecklenburg Co. Div. 10 I-5828 STATEWIDE	WBS 50471.1.1 I-485 from I-77 to 1.1 miles North of I-77/US 21. \$310,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$208,336.49). Funds are not needed at this time.	-\$208,336.49

**NCDOT July 2021 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>
Mecklenburg Co. Div. 10 P-5602N STATEWIDE	WBS 46393.1.14 Charlotte - Queen City Express Terminal study and functional design. \$150,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$141,536.82). WBS will be closed.	-\$141,536.82
Mecklenburg Co. Div. 10 R-0211WM(EC) DIVISION	WBS 34331.4.2 I-485 (COMB W/I-5507 and U-4714AB) (Charlotte Outer Loop) at SR 3468 (Weddington Road). Initial Ecosystem Enhancement Program funds are requested for Fiscal Year 2020.	\$69,386.00
Mecklenburg Co. Div. 10 R-2555B DIVISION	WBS 34462.2.5 SR 5544 from NC 73 (Sam Furr Road) to SR 2151 (Jetton Road). \$6,182,000.00 has previously been approved for utilities. Funds need to be decreased (\$6,181,000.00). Funds are not needed at this time.	-\$6,181,000.00
Mecklenburg Co. Div. 10 U-4714A DIVISION	WBS 39078.1.2 SR 1009 (John Street-Old Monroe Road) from SR 3448/SR 3474 (Trade Street) to West of Morningside Meadow Lane. \$1,000,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$330,000.00
Mecklenburg Co. Div. 10 U-4714WM(AB) DIVISION	WBS 39078.4.1 SR 1009 (John Street - Old Monroe Road) at I-485. Initial Ecosystem Enhancement Program funds are requested for Fiscal Year 2020.	\$254,415.00

**NCDOT July 2021 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>
Mecklenburg Co. Div. 10 U-5712 STATEWIDE	WBS 46298.1.S1 NC 160 (West Boulevard) at SR 5901 (Billy Graham Parkway). \$400,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$293,922.74). WBS will be closed.	-\$293,922.74
Mecklenburg Co. Div. 10 U-5767 REGIONAL/ BONUS ALLOCATION	WBS 50180.2.1 US 21 (Statesville Road) from Northcross Center Court to SR 2147 (Westmoreland Road). \$2,200,000.00 has previously been approved for full right of way. Funds need to be decreased (\$2,198,361.62). Funds are not needed at this time.	-\$2,198,361.62
Mecklenburg Co. Div. 10 U-5768 REGIONAL	WBS 50181.1.R1 NC 49 from John Kirk Drive to I-485. \$2,828,903.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$25,000.00
Union Co. Div. 10 P-5748 REGIONAL	WBS 48336.1.1 CSX SG Rail Line. \$2,325,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$25,000.00
Union Co. Div. 10 U-5764 REGIONAL	WBS 50177.2.1 US 74 from NC 200 (Dickerson Boulevard) to SR 1007 (Rocky River Road). \$30,800,000.00 has previously been approved for full right of way and utilities. Funds need to be decreased (\$30,798,695.75). Funds are not needed at this time.	-\$30,798,695.75

**NCDOT July 2021 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>
Union Co. Div. 10 U-5931 STATEWIDE	WBS 45941.2.1 US 74 at intersection of US 74 and Secrest Shortcut Road. \$5,800,000.00 has previously been approved for full right of way and utilities. Funds need to be decreased (\$5,798,788.63). Funds are not needed at this time.	-\$5,798,788.63
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. \$31,520,975.00 has previously been approved for construction. \$7,500,000.00 of Division <b>BUILD NC BOND</b> funds will be replaced with Strategic Transportation Investments funds.	\$0.00
Watauga/ Avery Cos. Div. 11 R-2566WM(BA) DIVISION	WBS 37512.4.2 NC 105 - Construct new bridge over Watauga River and left-turn lane at SR 1112 (Broadstone Road) - within the limits of R-2566B. Initial Ecosystem Enhancement Program funds are requested for Fiscal Year 2020.	\$213,414.00
Wilkes Co. Div. 11 R-2603WM REGIONAL	WBS 36001.4.2 NC 268 from multi-lanes east of NC 18 to SR 1966 (Airport Road). Initial Ecosystem Enhancement Program funds are requested for Fiscal Year 2020.	\$228,132.00
Yadkin Co. Div. 11 B-5825WM REGIONAL	WBS 45778.4.1 Replace bridge 35 over the Yadkin River on NC 67. Initial Ecosystem Enhancement Program funds are requested for Fiscal Year 2020.	\$489,906.00



**NCDOT July 2021 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>
Alexander Co. Div. 12 U-6040 DIVISION	WBS 46977.1.1 NC 127 and SR 1146 (Bethlehem School Road). \$100,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$89,998.32). WBS will be closed.	-\$89,998.32
Gaston Co. Div. 12 U-6038 DIVISION	WBS 46974.2.2 US 74 (Wilkinson Boulevard) from NC 7 (Catawba Street) to SR 2209 (Wesleyan Drive). \$40,000.00 has previously been approved for utilities. Funds need to be decreased (\$40,000.00). WBS will be closed.	-\$40,000.00
Gaston Co. Div. 12 U-6038 DIVISION	WBS 46974.2.1 US 74 (Wilkinson Boulevard) from NC 7 (Catawba Street) to SR 2209 (Wesleyan Drive). \$40,000.00 has previously been approved for full right of way. Funds need to be decreased (\$40,000.00). WBS will be closed.	-\$40,000.00
Iredell Co. Div. 12 I-3819WM(B) STATEWIDE	WBS 34192.4.2 I-40 / I-77 interchange. Initial Statewide Ecosystem Enhancement Program funds are requested for Fiscal Year 2020.	\$2,435,036.00
Lincoln Co. Div. 12 R-5859 DIVISION	WBS 47547.1.1 NC 16 Business from NC 73 to SR 1389 (Fairfield Forest Road). \$500,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$448,576.63). WBS will be closed.	-\$448,576.63

**NCDOT July 2021 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>
Catawba/ Burke Co. Divs. 12/13 U-4700WM STATEWIDE	WBS 35993.4.1 US 321 from US 70 in Hickory County to SR 1933 (Southwest Boulevard). Initial Ecosystem Enhancement Program funds are requested for Fiscal Year 2021.	\$111,762.00
Buncombe Co. Div. 13 HE-0001 DIVISION	WBS 49742.1.1 I-26, Construct new interchange at Pratt and Whitley Facility. Initial funds are requested for preliminary engineering.	\$3,000,000.00
Buncombe Co. Div. 13 U-5868 DIVISION	WBS 46392.1.1 SR 1477 (Riverside Drive) from NC 251 / SR 1781 (Broadway) to I-40 / SR 1231 (Hill Street). \$1,000,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$967,121.27). WBS will be closed.	-\$967,121.27
Buncombe Co. Div. 13 U-6163 DIVISION	WBS 48618.1.1 SR 3116 (Mills Gap Road) from SR 3136 (Cane Creek Road) intersection. \$160,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$159,000.00). Funds are not needed at this time.	-\$159,000.00
Graham Co. Div. 14 R-2822B REGIONAL	WBS 34508.1.2 NC 143 from West Buffalo Creek to NC 143 Business. \$1,078,899.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$25,000.00

**NCDOT July 2021 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>
Henderson Co. Div. 14 U-5887 DIVISION	WBS 44634.3.1 SR 1783 (Highland Lake Road) from NC 225 to US 176. \$5,514,413.00 has previously been approved for construction. Funds need to be increased by \$2,160,666.82 to reflect the low bid received.	\$2,160,666.82
Jackson Co. Div. 14 R-5600 REGIONAL	WBS 45818.2.1 NC 116 to US 23 Business from US 23 Business, SR 1432 (Skyland Drive) to Municipal Drive. Initial funds are requested for full right of way. This is a <b>Cash Flow</b> project with \$16,233,333 in SFY 22 and SFY 23 and \$16,233,334 in SFY 24.	\$48,700,000.00
Statewide M-0554 STATEWIDE	WBS 49702.1.1 Division of Mitigation Services. Initial funds are requested for preliminary engineering.	\$25,000,000.00
STATEWIDE STRATEGIC TRANSPORTATION INVESTMENTS	19 PROJECTS	\$22,980,897.88
REGIONAL STRATEGIC TRANSPORTATION INVESTMENTS	15 PROJECTS	\$19,018,270.49
DIVISION STRATEGIC TRANSPORTATION INVESTMENTS	35 PROJECTS	-\$1,682,371.69
REGIONAL/BONUS ALLOCATION TRANSPORTATION INVESTMENTS	1 PROJECT	-\$2,198,361.62
STATEWIDE/DIVISION TRANSPORTATION INVESTMENTS	1 PROJECT	\$16,535.97
DIVISION/REGIONAL/ TRANSPORTATION INVESTMENTS	2 PROJECTS	\$ 918,000.00
<b>STRATEGIC TRANSPORTATION INVESTMENTS</b>	<b>73 PROJECTS</b>	<b>\$39,052,971.03</b>

\*\*\*Correction and resubmission from June 10, 2021 Board Approval (Page K-17)

As reads:

Madison Co.	WBS 47107.1.1	- \$3,400,000.00
Div. 13	US 25 from US 25/70 Business (North Main Street) to SR 1143	
R-5837	(Bush Creek Road). \$4,500,000.00 has previously been	
REGIONAL	approved for preliminary engineering. Funds need to be	
	decreased (\$3,400,000.00). Funds are not needed at this time.	

\*\*\*The correction should be:

Madison Co.	WBS 47107.1.1	- \$3,400,000.00
Div. 13	US 25 from US 25/70 Business (North Main Street) to SR 1143	
R-5837	(Bush Creek Road). \$4,500,000.00 has previously been	
DIVISION	approved for preliminary engineering. Funds need to be	
	decreased (\$3,400,000.00). Funds are not needed at this time.	

**NCDOT July 2021 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>
Pitt Co. Div. 2 SS-4902DG	WBS 48741.3.1 SR 1206 (Bell Arthur Road) at SR 1127 (Frog Level Road). \$175,000.00 in Spot Safety construction funds has previously been approved for warning sign and pavement marking revisions, supplemental Stop sign and monolithic island construction on SR 1127, and shoulder improvements. Description of location needs to be revised from SR 1206 (Bell Arthur Road) between 0.07 mile west of SR 1208 (Kinsaul-Willoughby Road) and 0.15 mile southeast of SR 1127 (Frog Level Road) to SR 1206 (Bell Arthur Road) at SR 1127 (Frog Level Road). Scope needs to be revised to All Way Stop installation. Decrease funds due to scope change. File 02-18-53594-1	-\$140,000.00
Brunswick Co. Div. 3 SS-6003AP	WBS 49663.3.1 US 17 (Ocean Highway) and US 17 Business (Main Street)/SR 1316 (Old Shallotte Road). \$29,700.00 in Spot Safety construction funds has previously been approved for traffic signal and pavement marking revisions. Project will be constructed under SS-6003AF. Reduce funds and delete project. File 03-20-61757-2	-\$29,700.00
Brunswick Co. Div. 3 SS-6003AP	WBS 49663.1.1 US 17 (Ocean Highway) and US 17 Business (Main Street)/SR 1316 (Old Shallotte Road). \$8,100.00 in Spot Safety preliminary engineering funds has previously been approved for traffic signal and pavement marking revisions. Project will be constructed under SS-6003AF. Reduce funds and delete project. File 03-20-61757-1	-\$8,100.00
Duplin Co. Div. 3 SS-6003AB	WBS 49516.3.1 SR 1300 (Wards Bridge Road) and SR 1301 (Bowdens Road). \$18,000.00 in Spot Safety construction funds has previously been approved for All Way Stop installation. Additional funds are needed due to an increase in construction costs. File 03-20-60486-1	\$40,000.00

**NCDOT July 2021 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>
Salemburg/ Autryville / Sampson Co. Div. 3 SS-4903CD	WBS 44578.3.1 SR 1233 (Autryville/Bonnettsville Road) from Western Municipal Limits of Salemburg to NC 24 in Autryville. \$248,686.00 in Spot Safety construction funds has previously been approved for safety improvements. Additional funds are needed due to an increase in construction costs. File 03-15-34761-1	\$69,703.00
Sampson Co. Div. 3 SS-6003H	WBS 49096.3.1 US 701 and I-40 westbound and eastbound ramps. \$22,500.00 in Spot Safety construction funds has previously been approved for median island installation and pavement marking and sign revisions. Additional funds are needed due to an increase in construction costs. File 03-19-58048-1	\$19,900.00
Robeson Co. Div. 6 SS-6006A	WBS 48883.3.1 NC 211 at SR 1002 (Old Allenton Rd). \$90,000.00 in Spot Safety construction funds has previously been approved for "Vehicle Entering When Flashing" warning system installation and channelization construction. Revise scope to All Way Stop installation with solar flashers, overhead flasher revisions, and channelization. No additional funds needed. File 06-18-52397-1	\$0.00
Charlotte/ Mecklenburg Co. Div. 10 SS-6010F	WBS 48988.3.1 NC 27 (Mt. Holly Road) and SR 1609 (Rhyne Road). Initial Spot Safety construction funds are needed for traffic signal installation with railroad preemption. File 10-18-226C	\$400,000.00

**NCDOT July 2021 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>
Asheville/ Buncombe Co. Div. 13 SS-6013V	WBS 49744.3.1 SR 3556 (Amboy Road) from a point 500 feet west of Lyman Street to Lyman Street/Meadow Road. Initial Spot Safety construction funds are needed for pedestrian accommodations. This project is being set up as companion funds to WBS 13B.201114.18. Transfer \$325,000.00 from SS-6013V (49744.3.1) to WBS 13B.2011, and then close 49744.3.1. File 13-21-203C	\$325,000.00
<b>ITEM L SUMMARY</b>	<b>9 PROJECTS</b>	<b>\$676,803.00</b>

**NCDOT July 2021 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 2**

**Enhancement**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Lenoir Co. ER-5600BB STATEWIDE	46305.3.70, STP-0070(233) US 70 from the Historic James Parrott House and adjoining properties to the new US 70 / NC 148 interchange in Kinston. \$50,000.00 has previously been approved for construction. Additional funds are needed for construction for a plant project.	\$70,000.00 Cost \$56,000.00 Fed. \$14,000.00 State

**Safety**

Craven Co. W-5702T STATEWIDE	44848.3.20, HSIP-0017(180) US 17 Northbound at the Front Street exit loop and US 70 Eastbound at US 17 northbound. Funds are needed for construction to replace existing median approach guardrail end units with low maintenance crush cushions.	\$132,000.00 Cost \$118,800.00 Fed. \$13,200.00 State
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**Rural**

Carteret Co. R-5782NA DIVISION	44912.3.16, Federal No. 0220101 ADA Ramps (Americans with Disabilities Act) for areas with populations less than 5,000. Funds are needed for construction to install curb ramps and retrofit existing ramps. State match for this project uses Division 2 contract resurfacing funds.	\$116,000.00 Cost \$92,800.00 Fed. \$23,200.00 State
Carteret Co. R-5782NB DIVISION	44912.3.17, Federal No. 0220101 ADA Ramps (Americans with Disabilities Act) for areas with populations more than 5,000. Funds are needed for construction to install curb ramps and retrofit existing ramps. State match for this project uses Division 2 contract resurfacing funds.	\$542,000.00 Cost \$433,600.00 Fed. \$108,400.00 State



**NCDOT July 2021 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 4**

**Interstate**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Johnston Co. HI-0008 STATEWIDE	49633.1.1, Federal No. 0095077 I-95 from mile marker 97 to mile marker 101. Funds are needed for preliminary engineering.	\$150,000.00 Cost \$120,000.00 Fed. \$30,000.00 State

**Bridge**

Johnston Co. B-4561 EXEMPT	33772.3.1, BRZ-1525(5) Replace Bridge 147 over Swift Creek on SR 1525 (Cornwallis Road). This project is combined with B-4772: Replace Bridge 326 over Mill Branch Creek on SR 1525 (Cornwallis Road). \$3,177,995.00 has previously been approved for construction. Funds need to be decreased (\$609,016.00). Work associated with this WBS is complete. This WBS will be closed.	(\$609,016.00) Cost (\$480,256.00) Fed. (\$128,760.00) State
Nash Co. B-5947 REGIONAL	45963.2.1, Federal No. 0581032 Replace Bridge 91 over Tar River on NC 581. Funds are needed for full right of way.	\$400,000.00 Cost \$320,000.00 Fed. \$80,000.00 State
Nash Co. B-5947 REGIONAL	45983.2.2, Federal No. 0581032 Replace Bridge 91 over Tar River on NC 581. Funds are needed for utilities.	\$35,000.00 Cost \$28,000.00 Fed. \$7,000.00 State

**NCDOT July 2021 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 4 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Halifax Co. HS-2004G REGIONAL	49306.1.8, Federal No. 0048009 NC 48 at NC 903. Funds are needed for preliminary engineering.	\$2,000.00 Cost \$1,800.00 Fed. \$200.00 State
Halifax/ Johnston Co. HS-2004J REGIONAL	49306.1.11, Federal No. 00SS121 Various secondary and primary routes in Halifax and Johnston Counties. Funds are needed for preliminary engineering.	\$10,000.00 Cost \$9,000.00 Fed. \$1,000.00 State
Johnston Co. W-5600 REGIONAL	50056.1.1, HSIP-0070(163) US 70 from US 70 Business to Neuse River Bridge, convert to freeway with interchanges at SR 1501 (Swift Creek Road) and SR 1919 (Wilson's Mill Road). \$2,000,129.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$2,117,200.00 Cost \$1,905,480.00 Fed. \$211,720.00 State
Johnston Co. W-5600 REGIONAL	50056.2.1, HSIP-0070(163) US from US 70 Business to Neuse River Bridge, convert to freeway with interchanges at SR 1501 (Swift Creek Road) and SR 1919 (Wilson's Mill Road). \$5,000,000.00 has previously been approved for right of way. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$2,583,500.00 Cost \$2,066,800.00 Fed. \$516,700.00 State

**NCDOT July 2021 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 4 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Nash Co. HS-2004B REGIONAL	49306.1.3, Federal No. 0097046 NC 97 at SR 1603 (Old Carriage Road). Funds are needed for preliminary engineering.	\$10,000.00 Cost \$9,000.00 Fed. \$1,000.00 State
Nash Co. HS-2004H DIVISION	49306.1.9, Federal No. 1001095 SR 1001 (Old Bailey Highway) at SR 1717 (Macedonia Road/Sandy Cross Road). Funds are needed for preliminary engineering.	\$2,000.00 Cost \$1,800.00 Fed. \$200.00 State
Wayne Co. HS-2004C DIVISION	49306.1.4, Federal No. 1537006 SR 1537 (Airport Road) at SR 1545 (Mount Carmel Church Road). Funds are needed for preliminary engineering.	\$2,000.00 Cost \$1,800.00 Fed. \$200.00 State
Wayne Co. HS-2004D DIVISION	49306.1.5, Federal No. 1002057 SR 1002 (Pikeville-Princeton Road) at SR 1320 (Hinnant Road). Funds are needed for preliminary engineering.	\$2,000.00 Cost \$1,800.00 Fed. \$200.00 State

**NCDOT July 2021 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 4 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Wayne Co. HS-2004E REGIONAL	49306.1.6, Federal No. 0111027 NC 111 at SR 1754 (Zion Church Road). Funds are needed for preliminary engineering.	\$2,000.00 Cost \$1,800.00 Fed. \$200.00 State
Wayne Co. HS-2004I DIVISION	49306.1.10, Federal No. 1744003 SR 1744 (Indian Springs Road) at SR 1941 (Northeast Church Road). Funds are needed for preliminary engineering.	\$2,000.00 Cost \$1,800.00 Fed. \$200.00 State
Wayne Co. HS-2004K STATEWIDE	49306.1.12, Federal No. 0117048 US 117 between SR 1141 (Main Street) in Mount Olive and US 117 Alternate south of Goldsboro. Funds are needed for preliminary engineering.	\$3,000.00 Cost \$2,700.00 Fed. \$300.00 State
Wilson Co. HS-2004F DIVISION	49306.1.7, Federal No. 1103032 SR 1103 (Wiggins Mill Road) at SR 1169 (Radford Road). Funds are needed for preliminary engineering.	\$2,000.00 Cost \$1,800.00 Fed. \$200.00 State

**NCDOT July 2021 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>
Wake Co. U-5537 DIVISION	44112.3.1, STPDA-0501(034) SR 1521 (Lake Pine Drive) from north of MacGregor Pines Road to north of Versailles Drive in Apex. \$585,192.00 has previously been approved for construction. Additional funds are needed for construction to widen roadway and install pedestrian facilities.	\$1,543,534.00 Cost \$1,234,827.00 Fed. \$308,707.00 Local

**Safety**

Franklin/ Warren/ Wake Co. W-5805F DIVISION	48950.3.7, Federal No. 1737010 Various secondary routes in Franklin, Warren, and Wake Counties. Funds are needed for construction to install long life pavement markings.	\$2,580,385.00 Cost \$2,322,346.00 Fed. \$258,039.00 State
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**NCDOT July 2021 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 6**

**Urban**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>	
Cumberland Co. U-3422 REGIONAL	39001.2.1, STP-1003(179) SR 1003 (Camden Road) from Fayetteville Outer Loop to NC 59 (Hope Mills Road). Funds are needed for full right of way.	\$9,975,000.00 \$7,980,000.00 \$1,995,000.00	Cost Fed. State
Cumberland Co. U-3422 REGIONAL	39001.2.2, STP-1003(179) SR 1003 (Camden Road) from Fayetteville Outer Loop to NC 59 (Hope Mills Road). Funds are needed for utilities.	\$2,825,000.00 \$2,260,000.00 \$565,000.00	Cost Fed. State

**Rural**

Robeson Co. R-5751 REGIONAL	53087.1.1, NHP-0074(203) US 74 at NC 72 / NC 130. \$1,526,913 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$436,000.00 \$348,800.00 \$87,200.00	Cost Fed. State
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**NCDOT July 2021 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 7**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Divisionwide HS-2007C DIVISION	49317.3.4, Federal No. 0708125 Various secondary routes in Division 7. Funds are needed for construction to install long life pavement markings. <b>This is a two year cashflow project with Federal funds of \$1,555,200.00 in FY 21 and \$1,554,300.00 in FY 22 and state match fund of \$172,800.00 in FY 22 and \$172,700.00 in FY 23.</b>	\$3,455,000.00 Cost \$3,109,500.00 Fed. \$345,500.00 State

**NCDOT July 2021 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 Co. I-5823 STATEWIDE	50466.1.1, NHPP-0040(033) I-40 from the Iredell County Line to 0.5 mile east of US 601. \$798,190.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$42,981.00 Cost \$34,384.00 Fed. \$8,597.00 State

**Urban**

Rowan Co. U-5608 DIVISION	45836.1.FD1, STP-0902(015) SR 1211 (Kimball Road) extension, North Chapel Street to SR 1221 (Bostian Road) in Landis. \$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.	\$356,995.00 Cost \$285,596.00 Fed. \$71,399.00 State
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**Rural**

Davidson Co. R-5789H DIVISION	44919.1.1, Federal No. 0918129 ADA Ramp (Americans with Disabilities Act) grades at various locations in Division 9 (TAANY). Funds are needed for preliminary engineering. State match for this project uses Division 9 contract resurfacing funds.	\$100,000.00 Cost \$80,000.00 Fed. \$20,000.00 State
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**NCDOT July 2021 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 10**

**Bridge**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Cabarrus /Mecklenburg Co. I-3803B EXEMPT	34187.3.GV2, NHIMF-5-2(62)48 I-85 from south of SR 2894 (Speedway-Concord Mills Boulevard) in Mecklenburg County to NC 73 in Cabarrus County. \$193,840,360.00 has previously been approved for construction. Funds need to be decreased (\$7,850,831.00) for reconciliation after Debt Service and refund payments. This is a GARVEE Bond project. This is a Strategic Transportation Investment (STI) transition project.	(\$7,850,831.00) Cost (\$5,569,662.00) Fed. (\$2,281,169.00) State

**Bicycle and Pedestrian**

Stanly Co. EB-5857 DIVISION	47313.1.1, Federal No. 0200413 NC 200 from North Love Chapel to Carmel Road in Stanfield. Funds are needed for preliminary engineering.	\$95,000.00 Cost \$76,000.00 Fed. \$19,000.00 Local
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**NCDOT July 2021 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 13**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>	
Buncombe Co. W-5713T DIVISION	44861.3.20, Federal No. 1302088 Various Secondary Routes in Buncombe County. Funds are needed for construction to install long life pavement markings.	\$1,208,000.00 \$1,087,200.00 \$120,800.00	Cost Fed. State
Divisionwide W-5713U DIVISION	44861.3.21, Federal No. 1302089 Various Secondary Routes in Highway Division 13. Funds are needed for construction to install long life pavement markings.	\$1,336,000.00 \$1,202,400.00 \$133,600.00	Cost Fed. State
Rutherford Co. W-5713V DIVISION	44861.3.22, Federal No. 1302090 Various Secondary Routes in Rutherford County. Funds are needed for construction to install long life pavement markings.	\$1,046,000.00 \$941,400.00 \$104,600.00	Cost Fed. State

**NCDOT July 2021 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 14**

**Bridge**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Jackson Co. B-4554 EXEMPT	38408.1.1, BRZ-1705(1) Replace Bridge #145 over Scott Creek / SR 1705 (Dark Ridge Road) / Southern Railroad on US 23 / US 74. \$600,000.25 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. This is a Strategic Transportation Investments (STI) Transition project.	\$232,525.00 Cost \$181,410.00 Fed. \$51,115.00 State

**NCDOT July 2021 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Statewide**

**Congestion Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Mecklenburg Co. C-5536BL EXEMPT	51006.1.14, Federal No. 00SS114 Replacement of one heavy-duty diesel truck, owned and operated by Lewis Grading and Paving, Inc. through Mecklenburg County Air Quality's grants to Replace Aging Diesel Engines (GRADE) Program, to reduce nitrogen oxide emissions in the Mecklenburg County, NC region. Funds are needed for preliminary engineering.	\$188,705.00 Cost \$47,176.00 Fed. \$141,529.00 Local
Mecklenburg Co. C-5536BM EXEMPT	51006.1.15, Federal No. 00SS115 Replacement of one heavy-duty diesel truck engine owned and operated by Absolute Transport, LLC through Mecklenburg County Air Quality (MCAQ) grants to replace aging diesel engines (GRADE) program to reduce nitrogen oxide emissions in Mecklenburg County, NC region. Funds are needed for preliminary engineering.	\$13,500.00 Cost \$5,400.00 Fed. \$8,100.00 Local
Mecklenburg Co. C-5536BN EXEMPT	51006.1.16, Federal No. 00SS116 Replacement of one heavy-duty diesel truck owned and operated by MTS Trucking, Inc., through Mecklenburg County Air Quality (MCAQ) grants to replace aging diesel engines (GRADE) program, and to reduce nitrogen oxide emissions in the Mecklenburg County, NC region. Funds are needed for preliminary engineering.	\$85,500.00 Cost \$21,375.00 Fed. \$64,125.00 Local
Mecklenburg Co. C-5536BO EXEMPT	51006.1.17, Federal No. 00SS117 Replacement of one heavy-duty diesel truck owned and operated by MTS Trucking, Inc. (Repower), through Mecklenburg County Air Quality (MCAQ) grants to replace aging diesel engines (GRADE) program to reduce nitrogen oxide emissions in the Mecklenburg County, NC region. Funds are needed for preliminary engineering.	\$16,800.00 Cost \$6,720.00 Fed. \$10,080.00 Local

**NCDOT July 2021 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Statewide (Continued)**

**Congestion Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Mecklenburg Co. C-5536BP EXEMPT	51006.1.18, Federal No. 00SS118 Replacement of one heavy-duty diesel truck owned and operated by Open Road MD, Inc., through Mecklenburg County Air Quality (MCAQ) grants to replace aging diesel engines (GRADE) program to reduce nitrogen oxide emissions in the Mecklenburg County, NC region. Funds are needed for preliminary engineering.	\$79,000.00 Cost \$19,750.00 Fed. \$59,250.00 Local
Mecklenburg Co. C-5536BQ EXEMPT	51006.1.19, Federal No. 00SS119 Replacement of one heavy-duty diesel truck owned and operated by Just Wright, LLC, through Mecklenburg County Air Quality (MCAQ) grants to replace aging diesel engines (GRADE) program to reduce nitrogen oxide emissions in the Mecklenburg County, NC region. Funds are needed for preliminary engineering.	\$149,000.00 Cost \$37,250.00 Fed. \$111,750.00 Local
Mecklenburg Co. C-5536BR EXEMPT	51006.1.20, Federal No. 00SS120 Replacement of one heavy-duty diesel truck owned and operated by Doggett Concrete through Mecklenburg County Air Quality (MCAQ) grants to replace aging diesel engines (GRADE) program to reduce nitrogen oxide emissions in the Mecklenburg County, NC region. Funds are needed for preliminary engineering.	\$158,439.00 Cost \$927.00 Fed. \$157,512.00 Local

**ITEM M SUMMARY - 44 PROJECT(S) - (TOTAL FEDERAL AND STATE) \$25,753,544.00**

**REVISIONS TO THE 2020-2029 STIP  
HIGHWAY PROGRAM  
STIP ADDITIONS**

**DIVISION 4**

HL-0034	SR 1356 (RALEIGH ROAD PARKWAY), SR 1356	ENGINEERING	FY 2021 -	\$45,000	(BA)
WILSON	(RALEIGH ROAD PARKWAY) FROM ATLANTIC	UTILITIES	FY 2022 -	\$75,000	(BA)
<b>PROJ.CATEGORY</b>	CHRISTIAN COLLEGE DRIVE (CITY STREET) TO NC	CONSTRUCTION	FY 2022 -	<u>\$875,000</u>	(BA)
EXEMPT	42/NC 58 IN WILSON. MODERNIZATION OF ROADWAY.			\$995,000	
	<u><b>PROJECT ADDED AT THE REQUEST OF THE MUNICIPALITY.</b></u>				

**DIVISION 5**

HE-0002	NEW ROUTE; CONSTRUCT ACCESS ROAD	RIGHT-OF-WAY	FY 2023 -	\$200,000	(T)
WAKE	INTERSECTING GREEN OAKS PARKWAY BETWEEN	CONSTRUCTION	FY 2024 -	\$4,750,000	(T)
<b>PROJ.CATEGORY</b>	THOMAS MILL ROAD AND NC 55.		FY 2025 -	<u>\$4,750,000</u>	(T)
DIVISION	<u><b>ECONOMIC DEVELOPMENT PROJECT.</b></u>			\$9,700,000	

* TA-5116	GORALEIGH, GORALEIGH PARK AND RIDE AT POOLE	CONSTRUCTION	FY 2021 -	<u>\$455,000</u>	(5307)
WAKE	ROAD.			\$455,000	
<b>PROJ.CATEGORY</b>	<u><b>ADD FUNDING TO FY 21 AT THE REQUEST OF MPO.</b></u>				
PUBLIC TRANS					

* TC-0016	GOTRIANGLE, GOTRIANGLE IMPROVEMENTS AT	ENGINEERING	FY 2022 -	\$55,000	(BGDA)
WAKE	EXISTING BUS STOPS (AMENITIES).		FY 2022 -	\$55,000	(L)
<b>PROJ.CATEGORY</b>	<u><b>ADD PROJECT TO STIP FOR FY 22 AT THE REQUEST OF MPO.</b></u>	RIGHT-OF-WAY	FY 2022 -	\$6,000	(BGDA)
PUBLIC TRANS			FY 2022 -	\$6,000	(L)
		CONSTRUCTION	FY 2022 -	\$275,000	(BGDA)
			FY 2022 -	<u>\$275,000</u>	(L)
				\$672,000	

* TC-0017	GOTRIANGLE, GOTRIANGLE IMPROVEMENTS AT	ENGINEERING	FY 2022 -	\$65,000	(BGDA)
WAKE	EXISTING BUS STOPS (ACCESSIBILITY).		FY 2022 -	\$65,000	(L)
<b>PROJ.CATEGORY</b>	<u><b>ADD PROJECT TO STIP FOR FY 22 AT THE REQUEST OF MPO.</b></u>	RIGHT-OF-WAY	FY 2022 -	\$7,000	(BGDA)
PUBLIC TRANS			FY 2022 -	\$7,000	(L)
		CONSTRUCTION	FY 2022 -	\$165,000	(BGDA)
			FY 2022 -	<u>\$165,000</u>	(L)
				\$474,000	

**REVISIONS TO THE 2020-2029 STIP  
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**DIVISION 5**

* TD-5308	GORALEIGH, CONSTRUCT GORALEIGH COORDINATED	PLANNING	FY 2021 -	\$350,000	(L)
WAKE	ADA FACILITY.		FY 2022 -	\$3,000,000	(L)
<b>PROJ.CATEGORY</b>	<b><u>ADD FUNDING TO FY 21, 22 AT THE REQUEST OF MPO.</u></b>	RIGHT-OF-WAY	FY 2021 -	\$2,750,000	(L)
PUBLIC TRANS		CONSTRUCTION	FY 2022 -	\$14,800,000	(L)
				\$20,900,000	
* TD-5317	GORALEIGH, GORALEIGH CONSTRUCTION OF PARK	CONSTRUCTION	FY 2021 -	\$55,000	(L)
WAKE	AND RIDE IN ROLESVILLE.			\$55,000	
<b>PROJ.CATEGORY</b>	<b><u>ADD FUNDING TO FY 21 AT THE REQUEST OF MPO.</u></b>				
PUBLIC TRANS					
* TG-0015	GORALEIGH, GORALEIGH CAPITAL PROJECTS.	CAPITAL	FY 2021 -	\$4,401,000	(5307)
WAKE	<b><u>ADD FUNDING TO FY 21 AT THE REQUEST OF MPO.</u></b>			\$4,401,000	
<b>PROJ.CATEGORY</b>					
PUBLIC TRANS					
* TL-0010	GORALEIGH, GORALEIGH ENHANCED TRANSFER	CAPITAL	FY 2022 -	\$787,000	(BGDA)
WAKE	POINTS.		FY 2022 -	\$197,000	(L)
<b>PROJ.CATEGORY</b>	<b><u>ADD PROJECT TO STIP FOR FY 22 AT THE REQUEST</u></b>			\$984,000	
PUBLIC TRANS	<b><u>OF MPO.</u></b>				
* TL-0011	GOTRIANGLE, CONSTRUCT DOWNTOWN APEX	ENGINEERING	FY 2022 -	\$32,000	(BGDA)
WAKE	TRANSFER POINTS.		FY 2022 -	\$32,000	(L)
<b>PROJ.CATEGORY</b>	<b><u>ADD PROJECT TO STIP FOR FY 22 AT THE REQUEST</u></b>	RIGHT-OF-WAY	FY 2022 -	\$9,000	(BGDA)
PUBLIC TRANS	<b><u>OF MPO.</u></b>		FY 2022 -	\$9,000	(L)
		CONSTRUCTION	FY 2022 -	\$126,000	(BGDA)
			FY 2022 -	\$126,000	(L)
				\$334,000	
* TM-0035	GOTRIANGLE, OPERATING ASSISTANCE FOR TOWN	OPERATIONS	FY 2021 -	\$66,000	(L)
WAKE	OF MORRISVILLE NODE BASED SMART SHUTTLE.		FY 2022 -	\$678,000	(L)
<b>PROJ.CATEGORY</b>	<b><u>ADD PROJECT TO STIP FOR FY 21 AT THE REQUEST</u></b>		FY 2023 -	\$695,000	(L)
PUBLIC TRANS	<b><u>OF MPO.</u></b>		FY 2024 -	\$712,000	(L)
			FY 2025 -	\$730,000	(L)
			FY 2026 -	\$740,000	(L)
				\$3,621,000	

**REVISIONS TO THE 2020-2029 STIP  
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**DIVISION 5**

* TN-6116	WAKE COORDINATED TRANSIT SERVICE, WAKE	OPERATIONS	FY 2021 -	\$473,000	(L)
WAKE	COORDINATED TRANSIT SERVICES OPERATING		FY 2022 -	\$560,000	(L)
<b>PROJ.CATEGORY</b>	ASSISTANCE.		FY 2023 -	\$644,000	(L)
PUBLIC TRANS	<u><b>ADD FUNDING TO FY 21, 22, 23, 24, 25, 26 AT THE REQUEST OF MPO.</b></u>		FY 2024 -	\$725,000	(L)
			FY 2025 -	\$800,000	(L)
			FY 2026 -	\$868,000	(L)
				<u>\$4,070,000</u>	

* TU-0006	GOTRIANGLE, GOTRIANGLE WAKE COUNTY BUS PLAN	PLANNING	FY 2021 -	\$100,000	(L)
WAKE	UPDATE.		FY 2022 -	\$550,000	(L)
<b>PROJ.CATEGORY</b>	<u><b>ADD PROJECT TO STIP FOR FY 21 AT THE REQUEST OF MPO.</b></u>			\$650,000	
PUBLIC TRANS					

* TU-0007	GORALEIGH, MAJOR INVESTMENT	PLANNING	FY 2021 -	\$150,000	(L)
WAKE	STUDY/ALTERNATIVES ANALYSIS FOR BUS RAPID		FY 2022 -	\$280,000	(L)
<b>PROJ.CATEGORY</b>	TRANSIT EXTENSION TO RESEARCH TRIANGLE PARK			\$430,000	
PUBLIC TRANS	AND CLAYTON.				
	<u><b>ADD PROJECT TO STIP FOR FY 21 AT THE REQUEST OF MPO.</b></u>				

**DIVISION 6**

* HL-0036	NC-59 (NORTH MAIN STREET), REPLACE EXISTING	ENGINEERING	FY 2021 -	\$10,000	(L)
CUMBERLAND	SIDEWALK AND CONSTRUCT NEW SIDEWALK ALONG		FY 2021 -	\$40,000	(TADA)
<b>PROJ.CATEGORY</b>	NC 59 (NORTH MAIN STREET) IN HOPE MILLS.	CONSTRUCTION	FY 2022 -	\$90,000	(L)
DIVISION	<u><b>ADD PROJECT AT THE REQUEST OF THE MPO.</b></u>		FY 2022 -	\$359,000	(TADA)
				<u>\$499,000</u>	

**DIVISION 13**

AO-0001	ASHEVILLE REGIONAL AIRPORT, MODERNIZE	CONSTRUCTION	FY 2022 -	\$4,750,000	(HF)
BUNCOMBE	AIRPORT TERMINAL BUILDING.		FY 2022 -	\$2,884,000	(FED)
<b>PROJ.CATEGORY</b>	<u><b>ADD NEW PROJECT AT THE REQUEST OF ASHEVILLE REGIONAL AIRPORT AND THE FRENCH BROAD RIVER MPO TO ASSIST IN APPLYING FOR TIFIA LOAN.</b></u>		FY 2022 -	\$71,424,000	(L)
EXEMPT			FY 2023 -	\$4,750,000	(HF)
			FY 2023 -	\$65,250,000	(L)
			FY 2024 -	\$4,750,000	(HF)
				<u>\$153,808,000</u>	



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**DIVISION 13**

* HA-0005	NEW ROUTE, CONSTRUCT NEW ACCESS ROAD AT	ENGINEERING	FY 2022 -	\$25,000	(APD)
RUTHERFORD	RUTHERFORDTON INDUSTRIAL PARK.	RIGHT-OF-WAY	FY 2022 -	\$10,000	(APD)
<b>PROJ.CATEGORY</b>	<b><u>ADD APPALACHIAN REGIONAL COMMISSION LOCAL</u></b>	CONSTRUCTION	FY 2022 -	\$265,000	(APD)
EXEMPT	<b><u>ACCESS ROAD PROJECT.</u></b>			\$300,000	

* HE-0001	I-26, CONSTRUCT NEW INTERCHANGE AT PRATT AND
BUNCOMBE	WHITNEY FACILITY.
<b>PROJ.CATEGORY</b>	<b><u>ADD ECONOMIC DEVELOPMENT PROJECT FOR</u></b>
DIVISION	<b><u>PRELIMINARY ENGINEERING ONLY.</u></b>

**DIVISION 14**

* B-5541	I-40, REPLACE BRIDGE 430236 OVER SR 1513.
HAYWOOD	<b><u>ADD PROJECT PROGRAMMED FOR PRELIMINARY</u></b>
<b>PROJ.CATEGORY</b>	<b><u>ENGINEERING ONLY AT THE REQUEST OF THE</u></b>
HWY FUNDS	<b><u>STRUCTURES MANAGEMENT UNIT.</u></b>

* HA-0002	MOUNTAIN INDUSTRIAL DRIVE EXTENSION,	ENGINEERING	FY 2021 -	\$200,000	(APD)
TRANSYLVANIA	CONSTRUCT ROAD EXTENSION IN JENNINGS	RIGHT-OF-WAY	FY 2022 -	\$400,000	(APD)
<b>PROJ.CATEGORY</b>	INDUSTRIAL PARK.	CONSTRUCTION	FY 2022 -	\$296,000	(APD)
EXEMPT	<b><u>ADD APPALACHIAN REGIONAL COMMISSION LOCAL</u></b>			\$896,000	
	<b><u>ACCESS ROAD PROJECT.</u></b>				

* HA-0003	SR 1970 (COMMERCIAL BLVD), CONSTRUCT ROADWAY	RIGHT-OF-WAY	FY 2021 -	\$70,000	(APD)
HENDERSON	EXTENSION TO INDUSTRIAL PARK.	CONSTRUCTION	FY 2021 -	\$549,000	(APD)
<b>PROJ.CATEGORY</b>	<b><u>ADD APPALACHIAN REGIONAL COMMISSION LOCAL</u></b>			\$619,000	
EXEMPT	<b><u>ACCESS ROAD PROJECT.</u></b>				

* HA-0004	US 441, SR 1515 (HYATT ROAD) INTERSECTION.	CONSTRUCTION	FY 2021 -	\$1,500,000	(APD)
MACON	CONSTRUCT INTERSECTION IMPROVEMENTS AND			\$1,500,000	
<b>PROJ.CATEGORY</b>	RIGHT-IN/RIGHT-OUT AT INGLES DEVELOPMENT SITE.				
EXEMPT	<b><u>ADD APPALACHIAN REGIONAL COMMISSION LOCAL</u></b>				
	<b><u>ACCESS ROAD PROJECT.</u></b>				

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**STATEWIDE**

M-0553A	VARIOUS, INTEGRATED PROJECT DELIVERY	ENGINEERING	FY 2022 -	\$4,500,000	(T)
STATEWIDE	<u>PROJECT ADDED AT THE REQUEST OF TECHNICAL</u>		FY 2023 -	\$6,000,000	(T)
<b>PROJ.CATEGORY</b>	<u>SERVICES.</u>			\$10,500,000	
EXEMPT					

M-0553B	VARIOUS, PROVIDE ASSISTANCE TO INFORMATION	ENGINEERING	FY 2022 -	\$1,000,000	(T)
STATEWIDE	TECHNOLOGY FOR PRECONSTRUCTION		FY 2023 -	\$1,000,000	(T)
<b>PROJ.CATEGORY</b>	DELIVERABLES			\$2,000,000	
EXEMPT	<u>PROJECT ADDED AT THE REQUEST OF TECHNICAL</u>				
	<u>SERVICES.</u>				

M-0554DIV	VARIOUS, NCDOT MITIGATION ORDER TO DIVISION OF	IMPLEMENTATIO	FY 2022 -	\$7,500,000	(T)
STATEWIDE	MITIGATION SERVICES (DMS).		FY 2023 -	\$7,500,000	(T)
<b>PROJ.CATEGORY</b>	<u>PROJECT ADDED AT THE REQUEST OF THE</u>			\$15,000,000	
DIVISION	<u>ENVIRONMENTAL ANALYSIS UNIT.</u>				

M-0554REG	VARIOUS, NCDOT MITIGATION ORDER TO DIVISION OF	IMPLEMENTATIO	FY 2022 -	\$7,500,000	(T)
STATEWIDE	MITIGATION SERVICES (DMS).		FY 2023 -	\$7,500,000	(T)
<b>PROJ.CATEGORY</b>	<u>PROJECT ADDED AT THE REQUEST OF THE</u>			\$15,000,000	
REGIONAL	<u>ENVIRONMENTAL ANALYSIS UNIT.</u>				

M-0554SW	VARIOUS, NCDOT MITIGATION ORDER TO DIVISION OF	IMPLEMENTATIO	FY 2022 -	\$10,000,000	(T)
STATEWIDE	MITIGATION SERVICES (DMS).		FY 2023 -	\$10,000,000	(T)
<b>PROJ.CATEGORY</b>	<u>PROJECT ADDED AT THE REQUEST OF THE</u>			\$20,000,000	
STATEWIDE	<u>ENVIRONMENTAL ANALYSIS UNIT.</u>				

**STIP MODIFICATIONS**

**DIVISION 1**

R-5808	US 158, SR 1002 (ACORN HILL ROAD) TO PASQUOTANK	RIGHT-OF-WAY	FY 2022 -	\$1,475,000	(NHP)
GATES	COUNTY LINE. MODERNIZE ROADWAY.		FY 2023 -	\$1,475,000	(NHP)
<b>PROJ.CATEGORY</b>	<u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u>	UTILITIES	FY 2022 -	\$100,000	(NHP)
DIVISION	<u>DESIGN, DELAY RIGHT-OF-WAY FROM FY 21 TO FY 22.</u>	CONSTRUCTION	FY 2023 -	\$5,433,000	(NHP)
			FY 2024 -	\$5,433,000	(NHP)
			FY 2025 -	\$5,434,000	(NHP)
				\$19,350,000	

**REVISIONS TO THE 2020-2029 STIP  
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**DIVISION 1**

R-5809A	NC 45, WASHINGTON COUNTY LINE TO US 17 AT	RIGHT-OF-WAY	FY 2023 -	\$100,000	(T)
BERTIE	MIDWAY.	UTILITIES	FY 2023 -	\$4,419,000	(T)
<b>PROJ.CATEGORY</b>	<b><u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u></b>	CONSTRUCTION	FY 2023 -	\$8,700,000	(T)
DIVISION	<b><u>DESIGN, DELAY RIGHT-OF-WAY FROM FY 21 TO FY 23.</u></b>		FY 2024 -	\$8,700,000	(T)
				<u>\$21,919,000</u>	

R-5809B	NC 45, US 17 AT MIDWAY TO SOUTHERN CITY LIMITS	RIGHT-OF-WAY	FY 2023 -	\$1,000,000	(T)
BERTIE	OF COLERAIN.	UTILITIES	FY 2023 -	\$6,471,000	(T)
<b>PROJ.CATEGORY</b>	<b><u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u></b>		FY 2024 -	\$6,472,000	(T)
DIVISION	<b><u>DESIGN, DELAY RIGHT-OF-WAY FROM FY 21 TO FY 23</u></b>	CONSTRUCTION	FY 2025 -	\$11,166,000	(T)
	<b><u>AND CONSTRUCTION FROM FY 23 TO FY 25.</u></b>		FY 2026 -	\$11,167,000	(T)
			FY 2027 -	\$11,167,000	(T)
				<u>\$47,443,000</u>	

U-5939	US 17 BUSINESS, SR 1145 (OAK STUMP ROAD).	RIGHT-OF-WAY	FY 2023 -	\$240,000	(T)
PASQUOTANK	IMPROVE INTERSECTION.	UTILITIES	FY 2023 -	\$299,000	(T)
<b>PROJ.CATEGORY</b>	<b><u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u></b>	CONSTRUCTION	FY 2024 -	\$3,650,000	(T)
REGIONAL	<b><u>DESIGN, DELAY RIGHT-OF-WAY FROM FY 22 TO FY 23</u></b>		FY 2025 -	\$3,650,000	(T)
	<b><u>AND CONSTRUCTION FROM FY 22 TO FY 24.</u></b>			<u>\$7,839,000</u>	

**DIVISION 2**

B-4603	SR 1715 (JACK JONES ROAD), REPLACE BRIDGE	RIGHT-OF-WAY	FY 2022 -	\$90,000	(BGOFF)
PITT	730029 OVER FORK SWAMP.	CONSTRUCTION	FY 2023 -	\$900,000	(BGOFF)
<b>PROJ.CATEGORY</b>	<b><u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u></b>			<u>\$990,000</u>	
DIVISION	<b><u>DESIGN, DELAY RIGHT-OF-WAY FROM FY 21 TO FY 22.</u></b>				

R-5858	NC 24, NC 58. INTERSECTION IMPROVEMENTS.	RIGHT-OF-WAY	FY 2021 -	\$72,000	(T)
CARTERET	<b><u>AT THE REQUEST OF THE DIVISION, ACCELERATE</u></b>	UTILITIES	FY 2021 -	\$205,000	(T)
<b>PROJ.CATEGORY</b>	<b><u>RIGHT-OF-WAY FROM FY 22 TO FY 21.</u></b>	CONSTRUCTION	FY 2025 -	\$3,000,000	(T)
STATEWIDE			FY 2026 -	\$3,000,000	(T)
				<u>\$6,277,000</u>	

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**DIVISION 2**

* TA-5165	CRAVEN AREA RURAL TRANSPORTATION SYSTEM,	CAPITAL	FY 2020 -	\$24,000	(L)
CRAVEN	RURAL VEHICLE REPLACEMENT.		FY 2020 -	\$136,000	(5307)
<b>PROJ.CATEGORY</b>	<b><u>ADD FUNDING IN FY 22 AND FY 23 NOT PREVIOUSLY</u></b>		FY 2022 -	\$11,000	(L)
PUBLIC TRANS	<b><u>PROGRAMMED PER THE REQUEST OF THE MPO.</u></b>		FY 2022 -	\$64,000	(5307)
			FY 2023 -	\$11,000	(L)
			FY 2023 -	\$64,000	(5307)
				\$310,000	

**DIVISION 3**

EB-6039	CAROLINA BEACH, CONSTRUCT BIKE LANES ALONG	ENGINEERING	FY 2021 -	\$59,000	(BGDA)
NEW HANOVER	ST. JOSEPH AVENUE AND LEWIS DRIVE FROM LAKE		FY 2021 -	\$15,000	(L)
<b>PROJ.CATEGORY</b>	PARK BOULEVARD TO ACCESS DRIVE IN CAROLINA	CONSTRUCTION	FY 2022 -	\$398,000	(BGDA)
DIVISION	BEACH.		FY 2022 -	\$100,000	(L)
	<b><u>AT THE REQUEST OF THE MPO, DELAY ENGINEERING</u></b>			\$572,000	
	<b><u>FROM FY 20 TO FY 21.</u></b>				

HS-2003A	SR 1217 (17TH STREET), INSTALL NEAR SIDE SIGNAL	CONSTRUCTION	FY 2022 -	\$34,000	(HSIP)
NEW HANOVER	HEADS ON A PEDESTAL ON BOTH SIDES OF SR 1217			\$34,000	
<b>PROJ.CATEGORY</b>	(17TH STREET) AT DOCK STREET IN WILMINGTON.				
DIVISION	<b><u>TO STRATEGICALLY BALANCE LETTINGS, DELAY</u></b>				
	<b><u>CONSTRUCTION FROM FY 21 TO FY 22.</u></b>				

I-6040	I-40, EAST OF US 117 (MILE MARKER 389.5) TO NC 210	CONSTRUCTION	FY 2023 -	\$5,600,000	(NHPIM)
PENDER	(MILE MARKER 408). PAVEMENT REHABILITATION.		FY 2024 -	\$5,600,000	(NHPIM)
<b>PROJ.CATEGORY</b>	<b><u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u></b>			\$11,200,000	
STATEWIDE	<b><u>DESIGN, DELAY CONSTRUCTION FROM FY 22 TO FY</u></b>				
	<b><u>23.</u></b>				

U-4906	SR 1308 (GUM BRANCH ROAD), WEST OF SR 1313	CONSTRUCTION	FY 2021 -	\$11,500,000	(BGANY)
ONSLOW	(MILLS FIELDS ROAD) TO EAST OF SR 1324 (RAMSEY			\$11,500,000	
<b>PROJ.CATEGORY</b>	ROAD) IN JACKSONVILLE. WIDENING.				
TRANSITION	<b><u>AT THE REQUEST OF THE DIVISION, ACCELERATE</u></b>				
	<b><u>CONSTRUCTION FROM FY 22 TO FY 21.</u></b>				

U-5926	NEW ROUTE, SR 1302 (23RD STREET) TO 26TH	RIGHT-OF-WAY	FY 2023 -	\$225,000	(T)
NEW HANOVER	STREET. CONSTRUCT ROUTE ON NEW LOCATION.		FY 2023 -	\$225,000	(L)
<b>PROJ.CATEGORY</b>	ECONOMIC DEVELOPMENT PROJECT.	CONSTRUCTION	FY 2024 -	\$2,436,000	(T)
DIVISION	<b><u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u></b>		FY 2024 -	\$2,436,000	(L)
	<b><u>DESIGN, DELAY RIGHT-OF-WAY FROM FY 22 TO FY 23</u></b>			\$5,322,000	
	<b><u>AND CONSTRUCTION FROM FY 22 TO FY 24.</u></b>				

**REVISIONS TO THE 2020-2029 STIP  
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**DIVISION 3**

U-6233	CAROLINA BEACH, CONSTRUCT NEW TRAFFIC SIGNAL	ENGINEERING	FY 2021 -	\$4,000	(S)
NEW HANOVER	AND IMPROVE PEDESTRIAN ACCOMMODATIONS AT		FY 2021 -	\$14,000	(BGDA)
<b>PROJ.CATEGORY</b>	THE INTERSECTION OF US 421 (LAKE PARK	RIGHT-OF-WAY	FY 2022 -	\$8,000	(S)
DIVISION	BOULEVARD) AND HAMLET AVENUE IN CAROLINA		FY 2022 -	\$32,000	(BGDA)
	BEACH.	CONSTRUCTION	FY 2022 -	\$51,000	(S)
	<u><b>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</b></u>		FY 2022 -	\$205,000	(BGDA)
	<u><b>DESIGN, DELAY RIGHT-OF-WAY FROM FY 21 TO FY 22.</b></u>			\$314,000	

**DIVISION 4**

B-5666	US 117, REPLACE BRIDGE 47 OVER SEABOARD COAST	CONSTRUCTION	FY 2022 -	\$3,400,000	(HFB)
WILSON	LINE RAILROAD ON US 117.			\$3,400,000	
<b>PROJ.CATEGORY</b>	<u><b>TO ALLOW ADDITIONAL TIME FOR RAILROAD</b></u>				
HWY FUNDS	<u><b>COORDINATION, DELAY CONSTRUCTION FROM FY 21</b></u>				
	<u><b>TO FY 22.</b></u>				

TO-6166	VARIOUS, BUS RAPID TRANSIT SERVICE,				
JOHNSTON	MORRISVILLE TO CLAYTON. CONSTRUCT				
WAKE	INFRASTRUCTURE, PURCHASE VEHICLES, AND				
<b>PROJ.CATEGORY</b>	ESTABLISH SERVICE.				
REGIONAL	<u><b>PROJECT WILL BE SEGMENTED AS SHOWN BELOW:</b></u>				
	<u><b>SCHEDULES AND FUNDING WILL BE APPLIED TO</b></u>				
	<u><b>INDIVIDUAL BREAKS.</b></u>				

TO-6166D	VARIOUS, BUS RAPID TRANSIT SERVICE, GARNER TO	RIGHT-OF-WAY	FY 2025 -	\$2,550,000	(T)
WAKE	CLAYTON. CONSTRUCT INFRASTRUCTURE,		FY 2026 -	\$2,550,000	(T)
JOHNSTON	PURCHASE VEHICLES, AND ESTABLISH SERVICE.		FY 2027 -	\$2,550,000	(T)
<b>PROJ.CATEGORY</b>	<u><b>NEW PROJECT BREAK ADDED TO REFLECT</b></u>	UTILITIES	FY 2025 -	\$709,000	(T)
REGIONAL	<u><b>CURRENTLY ANTICIPATED PROJECT DELIVERY</b></u>		FY 2026 -	\$709,000	(T)
	<u><b>SEQUENCE AND FUNDING.</b></u>		FY 2027 -	\$708,000	(T)
		CONSTRUCTION	FY 2028 -	\$10,056,000	(T)
			FY 2029 -	\$10,056,000	(T)
			POST YR-	\$20,112,000	(T)
				\$50,000,000	

**DIVISION 5**

C-4928	SR 1317 (MORRENE ROAD), NEAL ROAD TO SR 1320	RIGHT-OF-WAY	FY 2022 -	\$2,146,000	(BGANY)
DURHAM	(ERWIN ROAD) IN DURHAM. CONSTRUCT BIKE LANES		FY 2022 -	\$302,000	(BGDA)
<b>PROJ.CATEGORY</b>	AND SIDEWALKS.		FY 2022 -	\$489,000	(L)
DIVISION	<u><b>TO ALLOW ADDITIONAL TIME REQUIRED TO OBTAIN</b></u>	CONSTRUCTION	FY 2023 -	\$2,331,000	(CMAQ)
	<u><b>RIGHT OF WAY FUNDING AUTHORIZATION AND TO</b></u>		FY 2023 -	\$3,144,000	(BGDA)
	<u><b>COMPLETE RIGHT OF WAY ACQUISITION DELAY</b></u>		FY 2023 -	\$1,369,000	(L)
	<u><b>RIGHT OF WAY FROM FY 21 TO FY 22 AND</b></u>			\$9,781,000	
	<u><b>CONSTRUCTION FROM FY 22 TO FY 23.</b></u>				

**REVISIONS TO THE 2020-2029 STIP  
HIGHWAY PROGRAM  
STIP MODIFICATIONS**

**DIVISION 5**

EB-5718 WAKE <b>PROJ.CATEGORY</b> DIVISION	SR 1012 (WESTERN BOULEVARD), CONSTRUCT BICYCLE / PEDESTRIAN TUNNEL IMMEDIATELY WEST OF SR 1321 (AVENT FERRY ROAD) IN RALEIGH. <u><b>TO REFLECT CURRENT CITY DELIVERY SCHEDULE DELAY CONSTRUCTION FROM FY 23 TO FY 24.</b></u>	CONSTRUCTION	FY 2024 - \$3,200,000 (TAANY) FY 2024 - <u>\$800,000</u> (L) \$4,000,000
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EB-6020 HARNETT <b>PROJ.CATEGORY</b> DIVISION	SR 1501 (JUNNY ROAD); NORTH WILLOW STREET; WEST LILLINGTON STREET, NORTH WILLOW STREET, EAST JULIA STREET TO JUNNY ROAD; JUNNY ROAD, EAST JULIA STREET TO GLEN MEADOW DRIVE; AND WEST LILLINGTON STREET, SOUTH PARK STREET TO NC 210, IN ANGIER. CONSTRUCT SIDEWALK EXTENSIONS. <u><b>AT THE REQUEST OF THE MPO, DELAY CONSTRUCTION FROM FY 22 TO FY 23.</b></u>	ENGINEERING  RIGHT-OF-WAY  CONSTRUCTION	FY 2021 - \$140,000 (BGDA) FY 2021 - \$35,000 (L) FY 2022 - \$120,000 (BGDA) FY 2022 - \$30,000 (L) FY 2023 - \$1,166,000 (BGDA) FY 2023 - <u>\$291,000</u> (L) \$1,782,000
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* HL-0032 WAKE <b>PROJ.CATEGORY</b> DIVISION	LAKE BOONE TRAIL, I-440 TO RIDGE ROAD IN RALEIGH. UPGRADE ROADWAY TO COMPLETE STREET. <u><b>DELETE RIGHT-OF WAY PHASE AT REQUEST OF MPO.</b></u>	CONSTRUCTION	FY 2022 - \$1,018,000 (BGDA) FY 2022 - <u>\$254,000</u> (L) \$1,272,000
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HS-2005B WARREN <b>PROJ.CATEGORY</b> REGIONAL	NC 903, NC 903 CAUSEWAY ON EATONS FERRY BRIDGE OVER LAKE GASTON. UPGRADE GUARDRAIL. <u><b>TO REFLECT CURRENT DELIVERY SCHEDULE DELAY CONSTRUCTION FROM FY 21 TO FY 22.</b></u>	CONSTRUCTION	FY 2022 - <u>\$130,000</u> (HSIP) \$130,000
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* TA-4903 WAKE <b>PROJ.CATEGORY</b> PUBLIC TRANS	GORALEIGH, REPLACEMENT BUS AND BUS FACILITIES. <u><b>ADD FUNDING TO FY 21, 22 AT THE REQUEST OF MPO.</b></u>	CAPITAL	FY 2021 - \$2,575,000 (L) FY 2021 - \$2,776,000 (5339) FY 2022 - \$1,755,000 (L) FY 2022 - \$9,311,000 (5339) \$16,417,000
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**REVISIONS TO THE 2020-2029 STIP  
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**DIVISION 5**

* TA-5140	GORALEIGH, BUS REPLACEMENT	CAPITAL	FY 2021 -	\$250,000	(S)
WAKE	<u>ADD FUNDING TO FY 21, 22 AT THE REQUEST OF MPO.</u>		FY 2021 -	\$250,000	(L)
<b>PROJ.CATEGORY</b>			FY 2021 -	\$1,750,000	(5307)
PUBLIC TRANS			FY 2022 -	\$250,000	(S)
			FY 2022 -	\$250,000	(L)
			FY 2022 -	<u>\$1,750,000</u>	(5307)
				\$4,500,000	

* TG-0013	GORALEIGH, FIXED ROUTE PREVENTATIVE	CAPITAL	FY 2021 -	\$960,000	(L)
WAKE	MAINTENANCE		FY 2021 -	\$3,840,000	(5307)
<b>PROJ.CATEGORY</b>	<u>ADD FUNDING TO FY 21, 22 AT THE REQUEST OF MPO.</u>		FY 2022 -	\$960,000	(L)
PUBLIC TRANS			FY 2022 -	<u>\$3,840,000</u>	(5307)
				\$9,600,000	

* TG-4792B	GORALEIGH, ADA PARATRANSIT SERVICE	OPERATIONS	FY 2021 -	\$2,500,000	(L)
WAKE	<u>ADD FUNDING TO FY 21, 22 AT THE REQUEST OF MPO.</u>		FY 2021 -	\$2,500,000	(5307)
<b>PROJ.CATEGORY</b>			FY 2022 -	\$2,500,000	(L)
PUBLIC TRANS			FY 2022 -	<u>\$2,500,000</u>	(5307)
				\$10,000,000	

* TG-6791	GORALEIGH, CAPITAL COST OF CONTRACTING	CAPITAL	FY 2021 -	\$500,000	(L)
WAKE	<u>ADD FUNDING TO FY 21 AT THE REQUEST OF MPO.</u>		FY 2021 -	\$2,000,000	(5307)
<b>PROJ.CATEGORY</b>				\$2,500,000	
PUBLIC TRANS					

* TO-0002	GORALEIGH, GORALEIGH ACCESS/ADA PARATRANSIT	CAPITAL	FY 2021 -	\$137,000	(L)
WAKE	FACILITY		FY 2021 -	\$547,000	(5307)
<b>PROJ.CATEGORY</b>	<u>ADD FUNDING TO FY 21, 22 AT THE REQUEST OF MPO.</u>		FY 2022 -	\$137,000	(L)
PUBLIC TRANS			FY 2022 -	<u>\$547,000</u>	(5307)
				\$1,368,000	

**REVISIONS TO THE 2020-2029 STIP  
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**DIVISION 5**

* TO-5128	CAPITAL AREA TRANSIT, OPERATING ASSISTANCE	OPERATIONS	FY 2021 -	\$3,000,000	(SMAP)
WAKE	<u>ADD FUNDING TO FY 21, 22, 23, 24, 25, 26 AT THE</u>		FY 2021 -	\$12,313,000	(L)
<b>PROJ.CATEGORY</b>	<u>REQUEST OF MPO.</u>		FY 2021 -	\$8,500,000	(5307)
PUBLIC TRANS			FY 2022 -	\$3,000,000	(SMAP)
			FY 2022 -	\$12,221,000	(L)
			FY 2022 -	\$50,000,000	(5307)
			FY 2023 -	\$3,000,000	(SMAP)
			FY 2023 -	\$14,361,000	(L)
			FY 2024 -	\$14,832,000	(L)
			FY 2025 -	\$14,700,000	(L)
			FY 2026 -	\$18,312,000	(L)
				\$154,239,000	

* TO-5129	CARY TRANSIT/C-TRAN, OPERATING ASSISTANCE	OPERATIONS	FY 2021 -	\$220,000	(SMAP)
WAKE	<u>ADD FUNDING TO FY 21, 22, 23, 24, 25, 26 AT THE</u>		FY 2021 -	\$2,023,000	(L)
<b>PROJ.CATEGORY</b>	<u>REQUEST OF MPO.</u>		FY 2021 -	\$50,000	(5307)
PUBLIC TRANS			FY 2022 -	\$220,000	(SMAP)
			FY 2022 -	\$2,201,000	(L)
			FY 2023 -	\$230,000	(SMAP)
			FY 2023 -	\$3,924,000	(L)
			FY 2024 -	\$230,000	(SMAP)
			FY 2024 -	\$4,021,000	(L)
			FY 2025 -	\$240,000	(SMAP)
			FY 2025 -	\$4,121,000	(L)
			FY 2026 -	\$4,222,000	(L)
				\$21,702,000	

* TO-5131	TRIANGLE TRANSIT AUTHORITY, OPERATING	OPERATIONS	FY 2021 -	\$1,952,000	(SMAP)
WAKE	ASSISTANCE		FY 2021 -	\$3,656,000	(L)
<b>PROJ.CATEGORY</b>	<u>ADD FUNDING TO FY 21, 22, 23, 24, 25, 26 AT THE</u>		FY 2022 -	\$1,952,000	(SMAP)
PUBLIC TRANS	<u>REQUEST OF MPO.</u>		FY 2022 -	\$4,975,000	(L)
			FY 2023 -	\$1,952,000	(SMAP)
			FY 2023 -	\$5,115,000	(L)
			FY 2024 -	\$5,258,000	(L)
			FY 2025 -	\$6,831,000	(L)
			FY 2026 -	\$7,018,000	(L)
				\$38,709,000	



**REVISIONS TO THE 2020-2029 STIP  
HIGHWAY PROGRAM  
STIP MODIFICATIONS**

**DIVISION 5**

TO-6166A	VARIOUS, BUS RAPID TRANSIT SERVICE,	RIGHT-OF-WAY	FY 2025 -	\$2,550,000	(T)
WAKE	MORRISVILLE TO CARY. CONSTRUCT		FY 2026 -	\$2,550,000	(T)
<b>PROJ.CATEGORY</b>	INFRASTRUCTURE, PURCHASE VEHICLES, AND		FY 2027 -	\$2,550,000	(T)
REGIONAL	ESTABLISH SERVICE.	UTILITIES	FY 2025 -	\$709,000	(T)
	<u><b>NEW PROJECT BREAK ADDED TO REFLECT</b></u>		FY 2026 -	\$709,000	(T)
	<u><b>CURRENTLY ANTICIPATED PROJECT DELIVERY</b></u>		FY 2027 -	\$708,000	(T)
	<u><b>SEQUENCE AND FUNDING.</b></u>	CONSTRUCTION	FY 2028 -	\$10,056,000	(T)
			FY 2029 -	\$10,056,000	(T)
			POST YR-	\$20,112,000	(T)
				\$50,000,000	
* TO-6166B	VARIOUS, BUS RAPID TRANSIT SERVICE, CARY TO	ENGINEERING	FY 2022 -	\$1,500,000	(L)
WAKE	RALEIGH. CONSTRUCT INFRASTRUCTURE, PURCHASE	CONSTRUCTION	FY 2022 -	\$14,914,000	(L)
<b>PROJ.CATEGORY</b>	VEHICLES, AND ESTABLISH SERVICE.		FY 2023 -	\$30,254,000	(L)
REGIONAL	<u><b>NEW PROJECT BREAK ADDED TO REFLECT</b></u>		FY 2024 -	\$28,874,000	(L)
	<u><b>CURRENTLY ANTICIPATED PROJECT DELIVERY</b></u>		FY 2025 -	\$24,818,000	(L)
	<u><b>SEQUENCE AND FUNDING. ACCELERATE</b></u>			\$100,360,000	
	<u><b>CONSTRUCTION FROM FY 28 TO FY 22.</b></u>				
* TO-6166C	VARIOUS, BUS RAPID TRANSIT SERVICE, RALEIGH TO	ENGINEERING	FY 2022 -	\$1,500,000	(L)
WAKE	GARNER. CONSTRUCT INFRASTRUCTURE, PURCHASE	CONSTRUCTION	FY 2023 -	\$27,777,000	(L)
<b>PROJ.CATEGORY</b>	VEHICLES, AND ESTABLISH SERVICE.		FY 2024 -	\$19,114,500	(L)
REGIONAL	<u><b>NEW PROJECT BREAK ADDED TO REFLECT</b></u>		FY 2025 -	\$17,146,000	(L)
	<u><b>CURRENTLY ANTICIPATED PROJECT DELIVERY</b></u>			\$65,537,500	
	<u><b>SEQUENCE AND FUNDING. ACCELERATE</b></u>				
	<u><b>CONSTRUCTION FROM FY 28 TO FY 23.</b></u>				
* TP-5100B	GORALEIGH, PLANNING ASSISTANCE - 5307	PLANNING	FY 2021 -	\$50,000	(S)
WAKE	<u><b>ADD FUNDING TO FY 21, 22 AT THE REQUEST OF MPO.</b></u>		FY 2021 -	\$323,000	(L)
<b>PROJ.CATEGORY</b>			FY 2021 -	\$1,290,000	(5307)
PUBLIC TRANS			FY 2022 -	\$50,000	(S)
			FY 2022 -	\$323,000	(L)
			FY 2022 -	\$1,290,000	(5307)
			FY 2023 -	\$50,000	(S)
			FY 2023 -	\$50,000	(L)
			FY 2023 -	\$400,000	(5307)
				\$3,826,000	

**REVISIONS TO THE 2020-2029 STIP  
HIGHWAY PROGRAM  
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**DIVISION 5**

* TP-5160	GO RALEIGH, ALTERNATIVES REFINEMENT AND	PLANNING	FY 2020 -	\$322,000	(L)
WAKE	PROJECT DEVELOPMENT		FY 2021 -	\$510,000	(L)
<b>PROJ.CATEGORY</b>	<b><u>ADD FUNDING TO FY 21, 22 AT THE REQUEST OF MPO.</u></b>		FY 2022 -	\$6,600,000	(5309)
PUBLIC TRANS		RIGHT-OF-WAY	FY 2021 -	\$558,000	(L)
			FY 2022 -	\$47,000	(5309)
		CONSTRUCTION	FY 2021 -	\$24,993,000	(L)
			FY 2021 -	\$1,150,000	(5309)
			FY 2022 -	\$9,673,000	(L)
			FY 2022 -	\$24,018,000	(5309)
		OPERATIONS	FY 2021 -	\$4,409,000	(L)
			FY 2022 -	\$4,335,000	(5309)
				\$76,615,000	
* TQ-6953	CAPITAL AREA TRANSIT, 5310 OPERATING	OPERATIONS	FY 2021 -	\$600,000	(L)
WAKE	<b><u>ADD FUNDING TO FY 21, 22 AT THE REQUEST OF MPO.</u></b>		FY 2021 -	\$300,000	(5310)
<b>PROJ.CATEGORY</b>			FY 2022 -	\$300,000	(5310)
PUBLIC TRANS				\$1,200,000	
* TQ-9037	GORALEIGH, 5310 CAPITAL AND ADMIN	CAPITAL	FY 2021 -	\$94,000	(L)
WAKE	<b><u>ADD FUNDING TO FY 21, 22 AT THE REQUEST OF MPO.</u></b>		FY 2021 -	\$375,000	(5310)
<b>PROJ.CATEGORY</b>			FY 2022 -	\$94,000	(L)
PUBLIC TRANS			FY 2022 -	\$375,000	(5310)
				\$938,000	
* TS-5104	CAPITAL AREA TRANSIT, SAFETY & SECURITY - MIN.	CAPITAL	FY 2021 -	\$44,000	(L)
WAKE	1% SET ASIDE		FY 2021 -	\$174,000	(5307)
<b>PROJ.CATEGORY</b>	<b><u>ADD FUNDING TO FY 21, 22 AT THE REQUEST OF MPO.</u></b>		FY 2022 -	\$44,000	(L)
PUBLIC TRANS			FY 2022 -	\$174,000	(5307)
			FY 2023 -	\$21,000	(L)
			FY 2023 -	\$85,000	(5307)
				\$542,000	
U-5744	US 70 / NC 50, SR 2026 (HAMMOND ROAD) / SR 2812	RIGHT-OF-WAY	FY 2028 -	\$2,190,000	(T)
WAKE	(TIMBER DRIVE) IN GARNER. CONVERT AT-GRADE	UTILITIES	FY 2028 -	\$131,000	(T)
<b>PROJ.CATEGORY</b>	INTERSECTION TO INTERCHANGE.	CONSTRUCTION	POST YR-	\$14,000,000	(T)
REGIONAL	<b><u>TO REFLECT CURRENT DELIVERY SCHEDULE DELAY</u></b>			\$16,321,000	
	<b><u>RIGHT OF WAY FROM FY 27 TO FY 28.</u></b>				

**REVISIONS TO THE 2020-2029 STIP  
HIGHWAY PROGRAM  
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**DIVISION 6**

AV-5747 ROBESON	LUMBERTON REGIONAL AIRPORT (LBT), PARTIAL PARALLEL TAXIWAY RUNWAY 5.	CONSTRUCTION	FY 2022 -	\$2,125,000	(T)
				\$2,125,000	

**PROJ.CATEGORY** **AT THE REQUEST OF THE DIVISION OF AVIATION,**  
**DIVISION** **DELAY CONSTRUCTION FROM FY 21 TO FY 22.**

AV-5748 COLUMBUS	COLUMBUS COUNTY AIRPORT (CPC), APRON EXPANSION.	CONSTRUCTION	FY 2023 -	\$1,808,000	(T)
				\$1,808,000	

**PROJ.CATEGORY** **AT THE REQUEST OF THE DIVISION OF AVIATION,**  
**DIVISION** **DELAY CONSTRUCTION FROM FY 22 TO FY 23.**

I-6064B ROBESON	I-95, CARTHAGE ROAD (EXIT 19) TO US 301 (FAYETTEVILLE ROAD, EXIT 22). WIDEN ROADWAY.	RIGHT-OF-WAY	FY 2022 -	\$7,429,000	(T)
		UTILITIES	FY 2022 -	\$2,025,000	(T)
		CONSTRUCTION	FY 2022 -	\$3,615,000	(T)
			FY 2023 -	\$34,342,000	(T)
			FY 2024 -	\$34,343,000	(T)
				\$81,754,000	

**PROJ.CATEGORY** **TO ALLOW ADDITIONAL TIME FOR PLANNING AND**  
**STATEWIDE** **DESIGN, DELAY RIGHT-OF-WAY FROM FY 21 TO FY 22**  
**AND CONSTRUCTION FROM FY 21 TO FY 22.**

U-4709 CUMBERLAND	SR 1112 (ROCKFISH ROAD) SR 1115 (GOLFVIEW ROAD), SR 1112 (ROCKFISH ROAD) FROM SR 1115 (GOLFVIEW ROAD) TO NC 59 (MAIN STREET) AND SR 1115 (GOLFVIEW ROAD) FROM SR 1112 (ROCKFISH ROAD) TO NC 59 (MAIN STREET). WIDEN TO MULTI- LANES.	RIGHT-OF-WAY	FY 2022 -	\$4,778,000	(T)
			FY 2023 -	\$4,778,000	(T)
		UTILITIES	FY 2022 -	\$788,000	(T)
			FY 2023 -	\$787,000	(T)
		CONSTRUCTION	FY 2023 -	\$5,400,000	(T)
			FY 2024 -	\$5,400,000	(T)
				\$21,931,000	

**COST INCREASE EXCEEDING \$2 MILLION AND 25%  
THRESHOLDS.**

**DIVISION 7**

AV-5701 GUILFORD	PIEDMONT TRIAD INTERNATIONAL AIRPORT (GSO), RUNWAY 5R-23L EXTENSION PROGRAM	CONSTRUCTION	FY 2023 -	\$500,000	(T)
			FY 2023 -	\$19,500,000	(O)
				\$20,000,000	

**PROJ.CATEGORY** **BASED ON REVIEW OF PROJECT PRIORITY ORDER BY**  
**STATEWIDE** **PIEDMONT TRIAD INTERNATIONAL AIRPORT, DELAY**  
**CONSTRUCTION FROM FY 21 TO FY 23.**

AV-5707 GUILFORD	PIEDMONT TRIAD INTERNATIONAL AIRPORT (GSO), CONSTRUCT TAXIWAY G.	CONSTRUCTION	FY 2023 -	\$500,000	(T)
			FY 2023 -	\$15,400,000	(O)
				\$15,900,000	

**PROJ.CATEGORY** **BASED ON REVIEW OF PROJECT PRIORITY ORDER BY**  
**STATEWIDE** **PIEDMONT TRIAD INTERNATIONAL AIRPORT, DELAY**  
**CONSTRUCTION FROM FY 21 TO FY 23.**

**REVISIONS TO THE 2020-2029 STIP  
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STIP MODIFICATIONS**

**DIVISION 7**

AV-5718 GUILFORD <b>PROJ.CATEGORY</b> STATEWIDE	PIEDMONT TRIAD INTERNATIONAL AIRPORT (GSO), HIGH SPEED TAXIWAY TO RUNWAY 5R-23L. <b><u>BASED ON REVIEW OF PROJECT PRIORITY ORDER BY PIEDMONT TRIAD INTERNATIONAL AIRPORT, DELAY CONSTRUCTION FROM FY 21 TO FY 23.</u></b>	CONSTRUCTION	FY 2023 - \$500,000 (T) FY 2023 - <u>\$2,500,000</u> (O) \$3,000,000
P-5701 ORANGE <b>PROJ.CATEGORY</b> DIVISION	NORFOLK SOUTHERN H LINE, MILEPOST 41.7 IN HILLSBOROUGH. CONSTRUCT PLATFORM, PASSENGER RAIL STATION BUILDING, SITE ACCESS, UTILITIES AND PARKING. <b><u>PROJECT WILL BE SEGMENTED AS SHOWN BELOW; SCHEDULES AND FUNDING WILL BE APPLIED TO INDIVIDUAL BREAKS.</u></b>		
P-5701A ORANGE <b>PROJ.CATEGORY</b> DIVISION	NORFOLK SOUTHERN H LINE, MILEPOST 41.7 IN HILLSBOROUGH. CONSTRUCT PASSENGER RAIL STATION BUILDING, SITE ACCESS, UTILITIES AND PARKING. <b><u>NEW PROJECT BREAK ADDED AT THE REQUEST OF THE RAIL DIVISION.</u></b>	CONSTRUCTION	FY 2022 - \$3,145,000 (T) FY 2022 - \$570,000 (O) FY 2023 - <u>\$3,145,000</u> (T) \$6,860,000
P-5701B ORANGE <b>PROJ.CATEGORY</b> DIVISION	NORFOLK SOUTHERN H LINE, MILEPOST 41.7 IN HILLSBOROUGH. CONSTRUCT STATION PLATFORM AND REALIGN CURVE AT MILEPOST 41.4. <b><u>NEW PROJECT BREAK ADDED AT THE REQUEST OF THE RAIL DIVISION.</u></b>	CONSTRUCTION	FY 2022 - \$500,000 (T) FY 2023 - <u>\$500,000</u> (T) \$1,000,000
* TU-0002 GUILFORD <b>PROJ.CATEGORY</b> PUBLIC TRANS	GTA, THE CITY OF GREENSBORO WILL RECEIVE FUNDING TO PREPARE A TECHNICAL PLAN TO ESTABLISH WHAT WILL BE REQUIRED TO PROVIDE FREE BROADBAND INTERNET ACCESS IN LOW - INCOME AREAS USING TRANSIT, TRANSPORTATION AND OTHER PUBLIC INFRASTRUCTURE. <b><u>ADD FUNDING TO FY 21 AT THE REQUEST OF MPO.</u></b>	PLANNING	FY 2021 - \$26,000 (L) FY 2021 - <u>\$234,000</u> (5305) \$260,000
* W-5807B ALAMANCE <b>PROJ.CATEGORY</b> DIVISION	SR 1301 (BOONE STATION DRIVE), SR 1301 (ST. MARKS CHURCH ROAD) / JAVA LANE AND GLIDWELL DRIVE / TIKI LANE IN BURLINGTON. INSTALL PEDESTRIAN SIGNALS AND CURB RAMPS, AND REVISE PAVEMENT MARKINGS. <b><u>DELETE RIGHT-OF-WAY PHASE AND ACCELERATE CONSTRUCTION FROM FY 23 TO FY 21 AT THE REQUEST OF THE DIVISION.</u></b>	CONSTRUCTION	FY 2021 - <u>\$75,000</u> (HSIP) \$75,000

**REVISIONS TO THE 2020-2029 STIP  
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**DIVISION 8**

AV-5763 RICHMOND	RICHMOND COUNTY AIRPORT (RCZ), EXTEND RUNWAY 14-32 TO 5500 FEET.	CONSTRUCTION	FY 2029 -	\$5,065,000	(T)
				\$5,065,000	

**PROJ.CATEGORY** **DUE TO JUSTIFICATION REVIEW BY THE FEDERAL**  
**DIVISION** **AVIATION ADMINISTRATION, DELAY CONSTRUCTION**  
**FROM FY 24 TO FY 29.**

AV-5854 SCOTLAND	LAURINBURG- MAXTON AIRPORT (MEB), CONSTRUCT 1500 FT RUNWAY EXTENSION.	CONSTRUCTION	FY 2024 -	\$6,390,000	(T)
				\$6,390,000	

**PROJ.CATEGORY** **TO REFLECT CURRENT DELIVERY SCHEDULE DELAY**  
**DIVISION** **CONSTRUCTION FROM FY 21 TO FY 24.**

EB-5898 RANDOLPH	SR 1950 (WEST NAOMI STREET), WEST ACADEMY STREET TO US 220 BUSINESS (SOUTH MAIN STREET) IN RANDLEMAN. CONSTRUCT SIDEWALK, IMPLEMENT ROAD DIET, AND INSTALL RAISED CROSSWALK AND MEDIAN.	RIGHT-OF-WAY	FY 2022 -	\$20,000	(TA5200)
			FY 2022 -	\$5,000	(L)
		CONSTRUCTION	FY 2022 -	\$206,000	(TA5200)
			FY 2022 -	\$52,000	(L)
				\$283,000	

**TO REFLECT CURRENT CITY DELIVERY SCHEDULE**  
**DELAY RIGHT OF WAY FROM FY 21 TO FY 22.**

**DIVISION 10**

AV-5731 CABARRUS	CONCORD REGIONAL AIRPORT (JQF), SOUTH DEVELOPMENT AREA APRON EXPANSION - PHASE II: APRON EXPANSION (DESIGN & CONSTRUCTION)	CONSTRUCTION	FY 2023 -	\$300,000	(T)
			FY 2023 -	\$7,617,000	(O)
				\$7,917,000	

**PROJ.CATEGORY** **TO ALLOW ADDITIONAL TIME FOR PLANNING AND**  
**REGIONAL** **DESIGN, DELAY CONSTRUCTION FROM FY 21 TO FY**  
**23.**

AV-5814 UNION	CHARLOTTE-MONROE EXECUTIVE AIRPORT (EQY), RELOCATE AND WIDEN THE EXISTING PARALLEL TAXIWAY SECTION BETWEEN THE EXISTING RAMP AND THE RUNWAY 5 TAXIWAY EXTENSION.	CONSTRUCTION	FY 2029 -	\$662,000	(T)
			POST YR-	\$662,000	(T)
				\$1,324,000	

**PROJ.CATEGORY** **DUE TO JUSTIFICATION REVIEW BY THE FEDERAL**  
**DIVISION** **AVIATION ADMINISTRATION, DELAY CONSTRUCTION**  
**FROM FY 22 TO FY 29.**

C-5621 MECKLENBURG	US 21, SR 5544 (CATAWBA AVENUE) IN CORNELIUS. CONSTRUCT ROUNDABOUTS.	ENGINEERING	FY 2020 -	\$669,000	(CMAQ)
			FY 2020 -	\$333,000	(BA)
		RIGHT-OF-WAY	FY 2020 -	\$1,308,000	(CMAQ)
			FY 2020 -	\$785,000	(BA)
		CONSTRUCTION	FY 2023 -	\$7,474,000	(CMAQ)
			FY 2023 -	\$1,869,000	(S(M))
				\$12,438,000	

**PROJ.CATEGORY** **TO ALLOW ADDITIONAL TIME FOR RIGHT-OF-WAY**  
**EXEMPT** **ACQUISITION, DELAY CONSTRUCTION FROM FY 22 TO**  
**FY 23.**

**REVISIONS TO THE 2020-2029 STIP  
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**DIVISION 10**

EB-5777	CORNELIUS, MCDOWELL CREEK TRIBUTARY	RIGHT-OF-WAY	FY 2021 -	\$768,000	(CMAQ)
MECKLENBURG	GREENWAY; CONSTRUCT GREENWAY FROM		FY 2021 -	\$192,000	(L)
<b>PROJ.CATEGORY</b>	SMITHVILLE PARK TO J.V. WASHAM ELEMENTARY.	CONSTRUCTION	FY 2023 -	\$1,632,000	(CMAQ)
DIVISION	CONSTRUCT MULTI-USE PATH ALONG		FY 2023 -	\$408,000	(L)
	WESTMORELAND ROAD TO LAKE PINES DRIVE.			<u>\$3,000,000</u>	
	<b><u>TO ALLOW ADDITIONAL TIME FOR RIGHT-OF-WAY</u></b>				
	<b><u>ACQUISITION, DELAY CONSTRUCTION FROM FY 22 TO</u></b>				
	<b><u>FY 23.</u></b>				

EB-5844	KANNAPOLIS, LITTLE TEXAS ROAD, LANE STREET TO	RIGHT-OF-WAY	FY 2023 -	\$320,000	(TAANY)
CABARRUS	DALE EARNHARDT BOULEVARD. CONSTRUCT		FY 2023 -	\$80,000	(L)
<b>PROJ.CATEGORY</b>	SIDEWALK AND CURB AND GUTTER.	CONSTRUCTION	FY 2024 -	\$131,000	(CMAQ)
DIVISION	<b><u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u></b>		FY 2024 -	\$640,000	(TAANY)
	<b><u>DESIGN, DELAY RIGHT-OF-WAY FROM FY 22 TO FY 23.</u></b>		FY 2024 -	\$353,000	(L)
			FY 2025 -	\$640,000	(TAANY)
				<u>\$2,164,000</u>	

HL-0025	GREYLOCK RIDGE ROAD, EAST JOHN STREET TO	ENGINEERING	FY 2021 -	\$716,000	(BA)
MECKLENBURG	EAST CHARLES STREET. EXTEND ROADWAY.	RIGHT-OF-WAY	FY 2022 -	\$414,000	(BA)
<b>PROJ.CATEGORY</b>	<b><u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u></b>	CONSTRUCTION	FY 2023 -	\$3,006,000	(BA)
EXEMPT	<b><u>DESIGN, DELAY RIGHT-OF-WAY FROM FY 21 TO FY 22</u></b>			\$4,136,000	
	<b><u>AND CONSTRUCTION FROM FY 22 TO FY 23.</u></b>				

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**DIVISION 10**

* U-4913	IDLEWILD ROAD, SR 3175 (STALLINGS ROAD) TO SR	RIGHT-OF-WAY	FY 2025 -	\$4,000,000	(T)
UNION	1524 (STEVENS MILL ROAD). WIDEN EXISTING		FY 2026 -	\$4,000,000	(T)
MECKLENBURG	ROADWAY.	UTILITIES	FY 2025 -	\$1,950,000	(T)
<b>PROJ.CATEGORY</b>	<b><u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u></b>		FY 2026 -	\$1,950,000	(T)
<b>DIVISION</b>	<b><u>DESIGN, DELAY RIGHT-OF-WAY FROM FY 22 TO FY 25.</u></b>	BUILD NC CON	FY 2027 -	\$257,000	(T)
			FY 2028 -	\$257,000	(T)
			FY 2029 -	\$257,000	(T)
			FY 2030 -	\$257,000	(T)
			FY 2031 -	\$257,000	(T)
			FY 2032 -	\$257,000	(T)
			FY 2033 -	\$257,000	(T)
			FY 2034 -	\$257,000	(T)
			FY 2035 -	\$257,000	(T)
			FY 2036 -	\$257,000	(T)
			FY 2037 -	\$257,000	(T)
			FY 2038 -	\$257,000	(T)
			FY 2039 -	\$257,000	(T)
			FY 2040 -	\$257,000	(T)
			FY 2041 -	\$257,000	(T)
		CONSTRUCTION	FY 2027 -	\$8,334,000	(T)
			FY 2028 -	\$8,333,000	(T)
			FY 2029 -	\$8,333,000	(T)
				<u>\$40,755,000</u>	
U-5108	NORTHCROSS DRIVE EXTENSION, NC 73 IN	ENGINEERING	FY 2020 -	\$960,000	(BA)
MECKLENBURG	HUNTERSVILLE TO WESTMORELAND ROAD IN	RIGHT-OF-WAY	FY 2020 -	\$1,499,000	(BGANY)
<b>PROJ.CATEGORY</b>	CORNELIUS. CONSTRUCT ROAD ON NEW LOCATION.		FY 2020 -	\$489,000	(L)
<b>DIVISION</b>	<b><u>TO ALLOW ADDITIONAL TIME FOR RIGHT-OF-WAY</u></b>	CONSTRUCTION	FY 2023 -	\$3,139,000	(BGANY)
	<b><u>ACQUISITION, DELAY CONSTRUCTION FROM FY 22 TO</u></b>		FY 2023 -	\$2,023,000	(L)
	<b><u>FY 23.</u></b>		FY 2023 -	\$331,000	(S(M))
			FY 2024 -	\$3,138,000	(BGANY)
			FY 2025 -	\$3,139,000	(BGANY)
				<u>\$14,718,000</u>	
U-5873	CORNELIUS, INTERSECTION OF NC 115 AND POTTS	ENGINEERING	FY 2020 -	\$100,000	(BA)
MECKLENBURG	STREET. CONSTRUCT IMPROVEMENTS.	RIGHT-OF-WAY	FY 2020 -	\$1,700,000	(BA)
<b>PROJ.CATEGORY</b>	<b><u>TO ALLOW ADDITIONAL TIME FOR RIGHT-OF-WAY</u></b>	CONSTRUCTION	FY 2023 -	\$2,733,000	(CMAQ)
<b>EXEMPT</b>	<b><u>ACQUISITION, DELAY CONSTRUCTION FROM FY 22 TO</u></b>		FY 2023 -	\$683,000	(S(M))
	<b><u>FY 23.</u></b>			<u>\$5,216,000</u>	

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**DIVISION 10**

U-5906	CORNELIUS, SR 2195 (TORRENCE CHAPEL ROAD) AND	ENGINEERING	FY 2020 -	\$849,000	(BA)
MECKLENBURG	SR 5544 (WEST CATAWBA AVENUE). INTERSECTION	RIGHT-OF-WAY	FY 2020 -	\$1,153,000	(BA)
<b>PROJ.CATEGORY</b>	IMPROVEMENTS.	CONSTRUCTION	FY 2023 -	\$4,737,000	(CMAQ)
DIVISION	<u><b>TO ALLOW ADDITIONAL TIME FOR RIGHT-OF-WAY</b></u>		FY 2023 -	\$2,368,000	(S(M))
	<u><b>ACQUISITION, DELAY CONSTRUCTION FROM FY 22 TO</b></u>		FY 2024 -	\$4,736,000	(CMAQ)
	<u><b>FY 23.</b></u>			\$13,843,000	

U-5907	DAVIDSON, POTTS-SLOAN-BEATTY CONNECTOR.	ENGINEERING	FY 2021 -	\$207,000	(BA)
MECKLENBURG	CONSTRUCT ROADWAY ON NEW LOCATION.	RIGHT-OF-WAY	FY 2020 -	\$500,000	(T)
<b>PROJ.CATEGORY</b>	<u><b>TO ALLOW ADDITIONAL TIME FOR RIGHT-OF-WAY</b></u>		FY 2021 -	\$548,000	(BA)
DIVISION	<u><b>ACQUISITION, DELAY CONSTRUCTION FROM FY 22 TO</b></u>	CONSTRUCTION	FY 2023 -	\$1,055,000	(BA)
	<u><b>FY 23.</b></u>		FY 2023 -	\$4,000,000	(T)
				\$6,310,000	

* U-6086	NC 51, PARK ROAD TO CARMEL ROAD IN PINEVILLE.	CONSTRUCTION	FY 2025 -	\$2,821,000	(BGANY)
MECKLENBURG	CONSTRUCT ACCESS MANAGEMENT IMPROVEMENTS.		FY 2025 -	\$1,000,000	(L)
<b>PROJ.CATEGORY</b>	<u><b>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</b></u>		FY 2026 -	\$2,822,000	(BGANY)
EXEMPT	<u><b>DESIGN, DELAY CONSTRUCTION FROM FY 23 TO FY</b></u>		FY 2026 -	\$911,000	(L)
	<u><b>25.</b></u>			\$7,554,000	

* W-5710DIV	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
MECKLENBURG	LOCATIONS.		FY 2021 -	\$30,000	(HSIP)
CABARRUS	<u><b>ADD FUNDING TO FY 21, FY 22, AND FY 23 NOT</b></u>		FY 2022 -	\$30,000	(HSIP)
ANSON	<u><b>PREVIOUSLY PROGRAMMED.</b></u>		FY 2023 -	\$30,000	(HSIP)
UNION		CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
STANLY			FY 2021 -	\$180,000	(HSIP)
<b>PROJ.CATEGORY</b>			FY 2022 -	\$180,000	(HSIP)
DIVISION			FY 2023 -	\$180,000	(HSIP)
				\$840,000	



**REVISIONS TO THE 2020-2029 STIP  
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**DIVISION 10**

* W-5710REG	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
STANLY	LOCATIONS.		FY 2021 -	\$30,000	(HSIP)
UNION	<u>ADD FUNDING TO FY 21, FY 22, AND FY 23 NOT</u>		FY 2022 -	\$30,000	(HSIP)
CABARRUS	<u>PREVIOUSLY PROGRAMMED.</u>		FY 2023 -	\$30,000	(HSIP)
MECKLENBURG		CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
ANSON			FY 2021 -	\$180,000	(HSIP)
<b>PROJ.CATEGORY</b>			FY 2022 -	\$180,000	(HSIP)
REGIONAL			FY 2023 -	\$180,000	(HSIP)
				<u>\$840,000</u>	

* W-5710SW	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$40,000	(HSIP)
UNION	LOCATIONS.		FY 2021 -	\$40,000	(HSIP)
ANSON	<u>ADD FUNDING TO FY 21, FY 22, AND FY 23 NOT</u>		FY 2022 -	\$40,000	(HSIP)
CABARRUS	<u>PREVIOUSLY PROGRAMMED.</u>		FY 2023 -	\$40,000	(HSIP)
MECKLENBURG		CONSTRUCTION	FY 2020 -	\$240,000	(HSIP)
STANLY			FY 2021 -	\$240,000	(HSIP)
<b>PROJ.CATEGORY</b>			FY 2022 -	\$240,000	(HSIP)
STATEWIDE			FY 2023 -	\$240,000	(HSIP)
				<u>\$1,120,000</u>	

**DIVISION 11**

R-5714	US 601, US 52 TO SR 1365 (FORREST DRIVE).	RIGHT-OF-WAY	FY 2020 -	\$1,615,000	(T)
SURRY	UPGRADE ROADWAY.	CONSTRUCTION	FY 2023 -	\$4,650,000	(T)
<b>PROJ.CATEGORY</b>	<u>TO ALLOW ADDITIONAL TIME FOR RIGHT-OF-WAY</u>		FY 2024 -	\$4,650,000	(T)
REGIONAL	<u>ACQUISITION, CONSTRUCTION FROM FY 22 TO FY 23.</u>			<u>\$10,915,000</u>	

* W-5711DIV	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
ALLEGHANY	LOCATIONS.		FY 2021 -	\$30,000	(HSIP)
ASHE	<u>ADD FUNDING TO FY 21, FY 22, AND FY 23 NOT</u>		FY 2022 -	\$30,000	(HSIP)
AVERY	<u>PREVIOUSLY PROGRAMMED.</u>		FY 2023 -	\$30,000	(HSIP)
WATAUGA		CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
SURRY			FY 2021 -	\$180,000	(HSIP)
CALDWELL			FY 2022 -	\$180,000	(HSIP)
WILKES			FY 2023 -	\$180,000	(HSIP)
YADKIN				<u>\$840,000</u>	
<b>PROJ.CATEGORY</b>					
DIVISION					

**REVISIONS TO THE 2020-2029 STIP  
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**DIVISION 11**

* W-5711REG	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
CALDWELL	LOCATIONS.		FY 2021 -	\$30,000	(HSIP)
ASHE	<u><b>ADD FUNDING TO FY 21, FY 22, AND FY 23 NOT</b></u>		FY 2022 -	\$30,000	(HSIP)
YADKIN	<u><b>PREVIOUSLY PROGRAMMED.</b></u>		FY 2023 -	\$30,000	(HSIP)
SURRY		CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
WILKES			FY 2021 -	\$180,000	(HSIP)
WATAUGA			FY 2022 -	\$180,000	(HSIP)
AVERY			FY 2023 -	\$180,000	(HSIP)
ALLEGHANY				<u>\$840,000</u>	
<b>PROJ.CATEGORY</b>					
REGIONAL					

* W-5711SW	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$40,000	(HSIP)
WATAUGA	LOCATIONS.		FY 2021 -	\$40,000	(HSIP)
WILKES	<u><b>ADD FUNDING TO FY 21, FY 22, AND FY 23 NOT</b></u>		FY 2022 -	\$40,000	(HSIP)
CALDWELL	<u><b>PREVIOUSLY PROGRAMMED.</b></u>		FY 2023 -	\$40,000	(HSIP)
ASHE		CONSTRUCTION	FY 2020 -	\$240,000	(HSIP)
ALLEGHANY			FY 2021 -	\$240,000	(HSIP)
YADKIN			FY 2022 -	\$240,000	(HSIP)
AVERY			FY 2023 -	\$240,000	(HSIP)
SURRY				<u>\$1,120,000</u>	
<b>PROJ.CATEGORY</b>					
STATEWIDE					

**DIVISION 12**

AV-5753	LINCOLN-TON-LINCOLN COUNTY AIRPORT (IPJ),	RIGHT-OF-WAY	FY 2022 -	\$295,000	(T)
LINCOLN	OBSTRUCTION REMOVAL IN RUNWAY 5 APPROACH.			\$295,000	
<b>PROJ.CATEGORY</b>	<u><b>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</b></u>				
DIVISION	<u><b>DESIGN, DELAY RIGHT-OF-WAY FROM FY 21 TO FY 22.</b></u>				

AV-5755	LINCOLN-TON-LINCOLN COUNTY AIRPORT (IPJ), LAND	RIGHT-OF-WAY	FY 2022 -	\$176,000	(T)
LINCOLN	ACQUISITION FOR RUNWAY 5 APPROACH.			\$176,000	
<b>PROJ.CATEGORY</b>	<u><b>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</b></u>				
DIVISION	<u><b>DESIGN, DELAY RIGHT-OF-WAY FROM FY 21 TO FY 22.</b></u>				

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**DIVISION 12**

B-5843	SR 2402 (HOOVER ROAD), REPLACE BRIDGE 480020	RIGHT-OF-WAY	FY 2022 -	\$67,000	(BGOFF)
IREDELL	OVER I-L CREEK.	CONSTRUCTION	FY 2023 -	\$675,000	(BGOFF)
<b>PROJ.CATEGORY</b>	<b><u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u></b>			\$742,000	

DIVISION

**DESIGN, DELAY RIGHT-OF-WAY FROM FY 21 TO FY 22**  
**AND CONSTRUCTION FROM FY 22 TO FY 23.**

* C-5606	VARIOUS, PROJECTS TO IMPROVE CONGESTION AND	ENGINEERING	FY 2020 -	\$73,000	(CMAQ)
LINCOLN	AIR QUALITY IN THE GASTON-CLEVELAND-LINCOLN		FY 2020 -	\$19,000	(L)
CLEVELAND	MPO.		FY 2021 -	\$73,000	(CMAQ)
GASTON	<b><u>ADD PRELIMINARY ENGINEERING, RIGHT-OF-WAY,</u></b>		FY 2021 -	\$19,000	(L)
<b>PROJ.CATEGORY</b>	<b><u>AND CONSTRUCTION IN FY 21 NOT PREVIOUSLY</u></b>	RIGHT-OF-WAY	FY 2020 -	\$73,000	(CMAQ)
EXEMPT	<b><u>PROGRAMMED.</u></b>		FY 2020 -	\$19,000	(L)
			FY 2021 -	\$73,000	(CMAQ)
			FY 2021 -	\$19,000	(L)
		CONSTRUCTION	FY 2020 -	\$439,000	(CMAQ)
			FY 2020 -	\$110,000	(L)
			FY 2021 -	\$439,000	(CMAQ)
			FY 2021 -	\$110,000	(L)
				\$1,466,000	

C-5703	GASTONIA, GASTONIA SIGNAL SYSTEM. UPGRADE	RIGHT-OF-WAY	FY 2022 -	\$600,000	(CMAQ)
GASTON	CITYWIDE SIGNAL SYSTEM.		FY 2022 -	\$11,000	(L)
<b>PROJ.CATEGORY</b>	<b><u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u></b>		FY 2022 -	\$139,000	(S(M))
REGIONAL	<b><u>DESIGN, DELAY RIGHT-OF-WAY FROM FY 21 TO FY 22.</u></b>	CONSTRUCTION	FY 2022 -	\$6,784,000	(CMAQ)
			FY 2022 -	\$127,000	(L)
			FY 2022 -	\$1,569,000	(S(M))
				\$9,230,000	

C-5704	CRAMERTON- MCADENVILLE GREENWAY	ENGINEERING	FY 2022 -	\$78,000	(CMAQ)
GASTON	CONNECTOR, CONSTRUCT GREENWAY CONNECTING		FY 2022 -	\$20,000	(L)
<b>PROJ.CATEGORY</b>	PAVED TRAIL AT SOUTH FORK VILLAGE IN	RIGHT-OF-WAY	FY 2022 -	\$41,000	(CMAQ)
EXEMPT	CRAMERTON TO RIVERSIDE DRIVE IN MCADENVILLE,		FY 2022 -	\$10,000	(L)
	FOLLOWING SOUTH FORK OF CATAWBA RIVER.	CONSTRUCTION	FY 2022 -	\$321,000	(CMAQ)
	<b><u>TO REFLECT CURRENT DELIVERY SCHEDULE, DELAY</u></b>		FY 2022 -	\$332,000	(L)
	<b><u>PRELIMINARY ENGINEERING FROM FY 21 TO FY 22,</u></b>			\$802,000	
	<b><u>RIGHT-OF-WAY FROM FY 21 TO FY 22, AND</u></b>				
	<b><u>CONSTRUCTION FROM FY 21 TO FY 22 AT THE</u></b>				
	<b><u>REQUEST OF THE MPO.</u></b>				

HL-0017	2ND AVENUE SE, CONSTRUCT ROADWAY EXTENSION	ENGINEERING	FY 2021 -	\$240,000	(BGDA)
CATAWBA	FROM LENOIR-RHYNE BOULEVARD TO 3RD AVENUE		FY 2021 -	\$60,000	(L)
<b>PROJ.CATEGORY</b>	SE. INCLUDE INTERSECTION AND PEDESTRIAN	RIGHT-OF-WAY	FY 2022 -	\$400,000	(BGDA)
DIVISION	IMPROVEMENTS.		FY 2022 -	\$100,000	(L)
	<b><u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u></b>	CONSTRUCTION	FY 2023 -	\$1,360,000	(BGDA)
	<b><u>DESIGN LETTING, DELAY CONSTRUCTION FROM FY</u></b>		FY 2023 -	\$340,000	(L)
	<b><u>22 TO FY 23.</u></b>			\$2,500,000	

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R-5712	NC 16 BUSINESS, INTERSECTION OF NC 16 BUSINESS	CONSTRUCTION	FY 2023 -	\$1,150,000	(T)
LINCOLN	AND SR 1439 (UNITY CHURCH ROAD)/SR 1387		FY 2024 -	\$1,150,000	(T)
<b>PROJ.CATEGORY</b>	(TRIANGLE CIRCLE). ADD TURN LANES.			\$2,300,000	

REGIONAL **TO ALLOW ADDITIONAL TIME FOR UTILITY  
RELOCATION, DELAY CONSTRUCTION FROM FY 22 TO  
FY 23.**

* U-5780	NC 150, INTERSECTION OF NC 150 AND SR 2399	RIGHT-OF-WAY	FY 2020 -	\$550,000	(T)
IREDELL	(WIGGINS ROAD). REALIGN INTERSECTION.	CONSTRUCTION	FY 2024 -	\$1,450,000	(T)
<b>PROJ.CATEGORY</b>	<b><u>TO ALLOW ADDITIONAL TIME FOR RIGHT-OF-WAY ACQUISITION, DELAY CONSTRUCTION FROM FY 23 TO FY 24.</u></b>			\$2,000,000	

REGIONAL

U-6134	NC 16 BYPASS, SR 1380 (OPTIMIST CLUB ROAD)	RIGHT-OF-WAY	FY 2023 -	\$500,000	(T)
LINCOLN	INTERSECTION. UPGRADE AT-GRADE INTERSECTION	UTILITIES	FY 2023 -	\$100,000	(T)
<b>PROJ.CATEGORY</b>	TO INTERCHANGE.	CONSTRUCTION	FY 2024 -	\$8,467,000	(T)
<b><u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN, DELAY RIGHT-OF-WAY FROM FY 22 TO FY 23.</u></b>			FY 2025 -	\$8,467,000	(T)
REGIONAL			FY 2026 -	\$8,466,000	(T)
				\$26,000,000	

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**DIVISION 12**

\* U-6146

GASTON

**PROJ.CATEGORY**

REGIONAL

US 74 (WILKINSON BOULEVARD), MARKET STREET TO  
SR 2015 (ALBERTA AVENUE. WIDEN TO SIX LANES.

**COST INCREASE EXCEEDING \$2 MILLION AND 25%  
THRESHOLDS.**

BUILD NC ROW

FY 2022 -	\$335,000	(T)
FY 2023 -	\$335,000	(T)
FY 2024 -	\$335,000	(T)
FY 2025 -	\$335,000	(T)
FY 2026 -	\$335,000	(T)
FY 2027 -	\$335,000	(T)
FY 2028 -	\$335,000	(T)
FY 2029 -	\$335,000	(T)
FY 2030 -	\$335,000	(T)
FY 2031 -	\$335,000	(T)
FY 2032 -	\$335,000	(T)
FY 2033 -	\$335,000	(T)
FY 2034 -	\$335,000	(T)
FY 2035 -	\$335,000	(T)
FY 2036 -	\$335,000	(T)
RIGHT-OF-WAY		
FY 2022 -	\$1,950,000	(T)
FY 2023 -	\$1,950,000	(T)
UTILITIES		
FY 2021 -	\$550,000	(T)
FY 2022 -	\$2,475,000	(T)
FY 2023 -	\$2,475,000	(T)
BUILD NC CON		
FY 2024 -	\$558,000	(T)
FY 2025 -	\$558,000	(T)
FY 2026 -	\$558,000	(T)
FY 2027 -	\$558,000	(T)
FY 2028 -	\$558,000	(T)
FY 2029 -	\$558,000	(T)
FY 2030 -	\$558,000	(T)
FY 2031 -	\$558,000	(T)
FY 2032 -	\$558,000	(T)
FY 2033 -	\$558,000	(T)
FY 2034 -	\$558,000	(T)
FY 2035 -	\$558,000	(T)
FY 2036 -	\$558,000	(T)
FY 2037 -	\$558,000	(T)
FY 2038 -	\$558,000	(T)
CONSTRUCTION		
FY 2024 -	\$3,500,000	(T)
FY 2024 -	\$10,000,000	(HFB)
	\$36,295,000	

U-6239

IREDELL

**PROJ.CATEGORY**

EXEMPT

MOORESVILLE, SILICON SHORES EAST-WEST  
CONNECTOR ROAD PROJECT.

**TO ALLOW ADDITIONAL TIME FOR RIGHT-OF-WAY  
ACQUISITION, DELAY CONSTRUCTION FROM FY 21 TO  
FY 22.**

ENGINEERING

RIGHT-OF-WAY

CONSTRUCTION

FY 2021 -	\$562,000	(DP)
FY 2021 -	\$336,000	(L)
FY 2021 -	\$3,280,000	(DP)
FY 2021 -	\$1,960,000	(L)
FY 2022 -	\$9,761,000	(DP)
FY 2022 -	\$5,832,000	(L)
	\$21,731,000	

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**DIVISION 12**

* W-5712DIV	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
ALEXANDER	LOCATIONS.		FY 2021 -	\$30,000	(HSIP)
IREDELL	<u><b>ADD FUNDING TO FY 21, FY 22, AND FY 23 NOT</b></u>		FY 2022 -	\$30,000	(HSIP)
CATAWBA	<u><b>PREVIOUSLY PROGRAMMED.</b></u>		FY 2023 -	\$30,000	(HSIP)
CLEVELAND		CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
GASTON			FY 2021 -	\$180,000	(HSIP)
LINCOLN			FY 2022 -	\$180,000	(HSIP)
<b>PROJ.CATEGORY</b>			FY 2023 -	\$180,000	(HSIP)
DIVISION				<u>\$840,000</u>	

* W-5712REG	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
LINCOLN	LOCATIONS.		FY 2021 -	\$30,000	(HSIP)
CATAWBA	<u><b>ADD FUNDING TO FY 21, FY 22, AND FY 23 NOT</b></u>		FY 2022 -	\$30,000	(HSIP)
ALEXANDER	<u><b>PREVIOUSLY PROGRAMMED.</b></u>		FY 2023 -	\$30,000	(HSIP)
GASTON		CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
CLEVELAND			FY 2021 -	\$180,000	(HSIP)
IREDELL			FY 2022 -	\$180,000	(HSIP)
<b>PROJ.CATEGORY</b>			FY 2023 -	\$180,000	(HSIP)
REGIONAL				<u>\$840,000</u>	

* W-5712SW	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$40,000	(HSIP)
GASTON	LOCATIONS.		FY 2021 -	\$40,000	(HSIP)
CATAWBA	<u><b>ADD FUNDING TO FY 21, FY 22, AND FY 23 NOT</b></u>		FY 2022 -	\$40,000	(HSIP)
IREDELL	<u><b>PREVIOUSLY PROGRAMMED.</b></u>		FY 2023 -	\$40,000	(HSIP)
LINCOLN		CONSTRUCTION	FY 2020 -	\$240,000	(HSIP)
CLEVELAND			FY 2021 -	\$240,000	(HSIP)
ALEXANDER			FY 2022 -	\$240,000	(HSIP)
<b>PROJ.CATEGORY</b>			FY 2023 -	\$240,000	(HSIP)
STATEWIDE				<u>\$1,120,000</u>	

**DIVISION 13**

U-5019A	RIVERWAY MULTI-MODAL NETWORK, TOWN BRANCH	CONSTRUCTION	FY 2022 -	\$1,706,000	(BGANY)
BUNCOMBE	GREENWAY		FY 2022 -	\$855,000	(L)
<b>PROJ.CATEGORY</b>	<u><b>TO ALLOW ADDITIONAL TIME FOR RIGHT-OF-WAY</b></u>		FY 2023 -	\$1,706,000	(BGANY)
DIVISION	<u><b>ACQUISITION BY THE CITY OF ASHEVILLE, DELAY</b></u>			<u>\$4,267,000</u>	
	<u><b>CONSTRUCTION FROM FY 21 TO FY 22.</b></u>				

**REVISIONS TO THE 2020-2029 STIP  
HIGHWAY PROGRAM  
STIP MODIFICATIONS**

**DIVISION 13**

* W-5713DIV	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
RUTHERFORD	LOCATIONS.		FY 2021 -	\$30,000	(HSIP)
MITCHELL	<u><b>ADD FUNDING TO FY 21, FY 22, AND FY 23 NOT</b></u>		FY 2022 -	\$30,000	(HSIP)
YANCEY	<u><b>PREVIOUSLY PROGRAMMED.</b></u>		FY 2023 -	\$30,000	(HSIP)
BUNCOMBE		CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
BURKE			FY 2021 -	\$180,000	(HSIP)
MADISON			FY 2022 -	\$180,000	(HSIP)
McDOWELL			FY 2023 -	\$180,000	(HSIP)
<b>PROJ.CATEGORY</b>				<u>\$840,000</u>	
DIVISION					

* W-5713REG	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
MADISON	LOCATIONS.		FY 2021 -	\$30,000	(HSIP)
RUTHERFORD	<u><b>ADD FUNDING TO FY 21, FY 22, AND FY 23 NOT</b></u>		FY 2022 -	\$30,000	(HSIP)
MITCHELL	<u><b>PREVIOUSLY PROGRAMMED.</b></u>		FY 2023 -	\$30,000	(HSIP)
YANCEY		CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
McDOWELL			FY 2021 -	\$180,000	(HSIP)
BURKE			FY 2022 -	\$180,000	(HSIP)
BUNCOMBE			FY 2023 -	\$180,000	(HSIP)
<b>PROJ.CATEGORY</b>				<u>\$840,000</u>	
REGIONAL					

* W-5713SW	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$40,000	(HSIP)
YANCEY	LOCATIONS.		FY 2021 -	\$40,000	(HSIP)
BUNCOMBE	<u><b>ADD FUNDING TO FY 21, FY 22, AND FY 23 NOT</b></u>		FY 2022 -	\$40,000	(HSIP)
MADISON	<u><b>PREVIOUSLY PROGRAMMED.</b></u>		FY 2023 -	\$40,000	(HSIP)
McDOWELL		CONSTRUCTION	FY 2020 -	\$240,000	(HSIP)
RUTHERFORD			FY 2021 -	\$240,000	(HSIP)
MITCHELL			FY 2022 -	\$240,000	(HSIP)
BURKE			FY 2023 -	\$240,000	(HSIP)
<b>PROJ.CATEGORY</b>				<u>\$1,120,000</u>	
STATEWIDE					

**REVISIONS TO THE 2020-2029 STIP  
HIGHWAY PROGRAM  
STIP MODIFICATIONS**

**DIVISION 14**

<p>* AV-5850 MACON <b>PROJ.CATEGORY</b> DIVISION</p>	<p>MACON COUNTY AIRPORT, EXTEND RUNWAY. <u><b>DUE TO JUSTIFICATION REVIEW BY THE FEDERAL AVIATION ADMINISTRATION, DELAY RIGHT-OF-WAY FROM FY 23 TO FY 28 AND CONSTRUCTION FROM FY 23 TO FY 29.</b></u></p>	<p>RIGHT-OF-WAY CONSTRUCTION</p>	<p>FY 2028 - FY 2029 -</p>	<p>\$166,000 \$4,834,000 \$5,000,000</p>	<p>(T) (T)</p>
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<p>* W-5714DIV HAYWOOD JACKSON HENDERSON CLAY TRANSYLVANIA CHEROKEE GRAHAM SWAIN MACON POLK <b>PROJ.CATEGORY</b> DIVISION</p>	<p>VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS. <u><b>ADD FUNDING TO FY 21, FY 22, AND FY 23 NOT PREVIOUSLY PROGRAMMED.</b></u></p>	<p>RIGHT-OF-WAY     CONSTRUCTION</p>	<p>FY 2020 - FY 2021 - FY 2022 - FY 2023 - FY 2020 - FY 2021 - FY 2022 - FY 2023 -</p>	<p>\$30,000 \$30,000 \$30,000 \$30,000 \$180,000 \$180,000 \$180,000 \$180,000 \$840,000</p>	<p>(HSIP) (HSIP) (HSIP) (HSIP) (HSIP) (HSIP) (HSIP) (HSIP) (HSIP)</p>
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<p>* W-5714REG CHEROKEE SWAIN MACON POLK CLAY JACKSON HENDERSON GRAHAM HAYWOOD TRANSYLVANIA <b>PROJ.CATEGORY</b> REGIONAL</p>	<p>VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS. <u><b>ADD FUNDING TO FY 21, FY 22, AND FY 23 NOT PREVIOUSLY PROGRAMMED.</b></u></p>	<p>RIGHT-OF-WAY     CONSTRUCTION</p>	<p>FY 2020 - FY 2021 - FY 2022 - FY 2023 - FY 2020 - FY 2021 - FY 2022 - FY 2023 -</p>	<p>\$30,000 \$30,000 \$30,000 \$30,000 \$180,000 \$180,000 \$180,000 \$180,000 \$840,000</p>	<p>(HSIP) (HSIP) (HSIP) (HSIP) (HSIP) (HSIP) (HSIP) (HSIP) (HSIP)</p>
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**REVISIONS TO THE 2020-2029 STIP  
HIGHWAY PROGRAM  
STIP MODIFICATIONS**

**DIVISION 14**

\* W-5714SW  
HAYWOOD  
CHEROKEE  
CLAY  
TRANSYLVANIA  
SWAIN  
POLK  
MACON  
HENDERSON  
GRAHAM  
JACKSON

**PROJ.CATEGORY**

STATEWIDE

VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS  
LOCATIONS.

**ADD FUNDING TO FY 21, FY 22, AND FY 23 NOT  
PREVIOUSLY PROGRAMMED.**

RIGHT-OF-WAY	FY 2020 -	\$40,000	(HSIP)
	FY 2021 -	\$40,000	(HSIP)
	FY 2022 -	\$40,000	(HSIP)
	FY 2023 -	\$40,000	(HSIP)
CONSTRUCTION	FY 2020 -	\$240,000	(HSIP)
	FY 2021 -	\$240,000	(HSIP)
	FY 2022 -	\$240,000	(HSIP)
	FY 2023 -	\$240,000	(HSIP)
		<u>\$1,120,000</u>	

**STATEWIDE**

\* C-5600  
STATEWIDE  
**PROJ.CATEGORY**  
EXEMPT

VARIOUS, STATEWIDE CMAQ PROJECTS TO IMPROVE  
AIR QUALITY WITHIN NONATTAINMENT AND  
MAINTENANCE AREAS.

**ADD ENGINEERING, RIGHT-OF-WAY, CONSTRUCTION,  
IMPLEMENTATION, AND OPERATIONS IN FY 21 AND  
FY 22 NOT PREVIOUSLY PROGRAMMED.**

ENGINEERING	FY 2020 -	\$817,000	(CMAQ)
	FY 2020 -	\$204,000	(S(M))
	FY 2021 -	\$817,000	(CMAQ)
	FY 2021 -	\$204,000	(S(M))
	FY 2022 -	\$817,000	(CMAQ)
	FY 2022 -	\$204,000	(S(M))
RIGHT-OF-WAY	FY 2020 -	\$817,000	(CMAQ)
	FY 2020 -	\$204,000	(S(M))
	FY 2021 -	\$817,000	(CMAQ)
	FY 2021 -	\$204,000	(S(M))
	FY 2022 -	\$817,000	(CMAQ)
	FY 2022 -	\$204,000	(S(M))
CONSTRUCTION	FY 2020 -	\$4,901,000	(CMAQ)
	FY 2020 -	\$1,226,000	(S(M))
	FY 2021 -	\$4,901,000	(CMAQ)
	FY 2021 -	\$1,226,000	(S(M))
	FY 2022 -	\$4,901,000	(CMAQ)
	FY 2022 -	\$1,226,000	(S(M))
IMPLEMENTATIO	FY 2020 -	\$817,000	(CMAQ)
	FY 2020 -	\$204,000	(S(M))
	FY 2021 -	\$817,000	(CMAQ)
	FY 2021 -	\$204,000	(S(M))
	FY 2022 -	\$817,000	(CMAQ)
	FY 2022 -	\$204,000	(S(M))
OPERATIONS	FY 2020 -	\$817,000	(CMAQ)
	FY 2020 -	\$204,000	(S(M))
	FY 2021 -	\$817,000	(CMAQ)
	FY 2021 -	\$204,000	(S(M))
	FY 2022 -	\$817,000	(CMAQ)
	FY 2022 -	\$204,000	(S(M))
		<u>\$30,633,000</u>	

**REVISIONS TO THE 2020-2029 STIP  
HIGHWAY PROGRAM  
STIP MODIFICATIONS**

**STATEWIDE**

\* C-5601

STATEWIDE

**PROJ.CATEGORY**

EXEMPT

VARIOUS, CMAQ PROJECTS TO IMPROVE AIR QUALITY  
ACROSS MULTIPLE NONATTAINMENT AND  
MAINTENANCE AREAS.

**ADD ENGINEERING, RIGHT-OF-WAY, CONSTRUCTION,  
IMPLEMENTATION, AND OPERATIONS IN FY 21 AND  
FY 22 NOT PREVIOUSLY PROGRAMMED.**

ENGINEERING	FY 2020 -	\$118,000	(CMAQ)
	FY 2020 -	\$29,000	(L)
	FY 2021 -	\$118,000	(CMAQ)
	FY 2021 -	\$29,000	(L)
	FY 2022 -	\$118,000	(CMAQ)
	FY 2022 -	\$29,000	(L)
RIGHT-OF-WAY	FY 2020 -	\$118,000	(CMAQ)
	FY 2020 -	\$29,000	(L)
	FY 2021 -	\$118,000	(CMAQ)
	FY 2021 -	\$29,000	(L)
	FY 2022 -	\$118,000	(CMAQ)
	FY 2022 -	\$29,000	(L)
CONSTRUCTION	FY 2020 -	\$704,000	(CMAQ)
	FY 2020 -	\$176,000	(L)
	FY 2021 -	\$704,000	(CMAQ)
	FY 2021 -	\$176,000	(L)
	FY 2022 -	\$704,000	(CMAQ)
	FY 2022 -	\$176,000	(L)
IMPLEMENTATIO	FY 2020 -	\$118,000	(CMAQ)
	FY 2020 -	\$29,000	(L)
	FY 2021 -	\$118,000	(CMAQ)
	FY 2021 -	\$29,000	(L)
	FY 2022 -	\$118,000	(CMAQ)
	FY 2022 -	\$29,000	(L)
OPERATIONS	FY 2020 -	\$118,000	(CMAQ)
	FY 2020 -	\$29,000	(L)
	FY 2021 -	\$118,000	(CMAQ)
	FY 2021 -	\$29,000	(L)
	FY 2022 -	\$118,000	(CMAQ)
	FY 2022 -	\$29,000	(L)
		<u>\$4,404,000</u>	

**STIP DELETIONS**

**DIVISION 2**

\* W-5802D

PITT

**PROJ.CATEGORY**

DIVISION

SR 1598, SR 1598 (10TH STREET) AT ANDERSON  
STREET. INSTALL RECTANGULAR RAPID FLASH  
BEACON AND PAVEMENT MARKINGS AT CROSSWALK.

**DELETE, WORK TO BE COMPLETED BY THE  
MUNICIPALITY.**

CONSTRUCTION	FY 2021 -	<u>\$32,000</u>	(HSIP)
		\$32,000	

**REVISIONS TO THE 2020-2029 STIP  
HIGHWAY PROGRAM  
STIP DELETIONS**

**DIVISION 5**

\* W-5805B

WAKE

**PROJ.CATEGORY**

REGIONAL

NC 98 BUSINESS, US 1, CLOVERLEAF DRIVE, AND  
RETAIL DRIVE / HAMPTON WAY IN WAKE FOREST.  
REVISE TRAFFIC SIGNALS.

CONSTRUCTION    FY 2023 - \$40,000 (HSIP)  
\$40,000

**PROJECT DELETED AT REQUEST OF DIVISION; WORK  
TO BE ACCOMPLISHED UNDER U-6023.**

**ITEM N SUMMARY**

ADDITION	25	PROJECTS	\$267,863,000
MODIFICATION	96	PROJECTS	
DELETION	2	PROJECTS	\$72,000
	123	PROJECTS	\$267,791,000

NCDOT July 1, 2021 Board of Transportation Agenda  
Board of Transportation Agenda – Special and Municipal Agreements

SUMMARY: There are a total of 43 agreements for approval by the Board of Transportation.

**Division 1**

Albemarle Commission  
Gates, Chowan, Washington,  
Hyde, Tyrrell, Perquimans,  
Pasquotank, Currituck, Camden,  
and Dare Counties  
9885

This Programmatic Agreement identifies the responsibilities of the Commission to coordinate transportation planning in the Albemarle Rural Planning Organization (RPO) area and the Department to provide funding to support staffing and planning efforts by the Commission to perform work in the Planning Work Program (PWP). The Department will review and approve the funding eligibility of PWP work elements and will notify the Commission of the funding amounts annually.

North Carolina Department of  
Public Safety  
Beaufort County  
10917

The Department will operate and maintain the Wastewater Treatment Facility located on the premises of the Washington Correction Center, owned by NCDPS, for the purpose of processing wastewater. While operating facility the Department is responsible for regulatory compliance and operation costs and expenses as defined in the Memorandum of Understanding (MOU). The MOU is for an initial two-year term and includes the ability to renew for an additional two (2) one (1) year terms. In the event the Department no longer has a need for this facility, operations and maintenance responsibilities shall revert to NCDPS.

**Division 2**

Greenville Utilities Commission  
Pitt County  
17BP.2.R.92  
10890

This Project replacement of Bridge No. 171 on SR 1418 (Station House Road) over Johnson Mill Run in Pitt County. At the request of the Agency, the Department shall include in its construction contract water line relocations. The Agency shall reimburse the Department actual costs for the work. The estimated reimbursement is \$61,331.

Eastern Carolina Council  
Carteret, Craven, Pamlico, and  
Jones Counties  
9890

This Programmatic Agreement identifies the responsibilities of the Council to coordinate transportation planning in the Down East Rural Planning Organization (RPO) area and the Department to provide funding to support staffing and planning efforts by the Council to perform work in the Planning Work Program (PWP). The Department will review and approve the funding eligibility of PWP work elements and will notify the Council of the funding amounts annually.

NCDOT July 1, 2021 Board of Transportation Agenda  
Board of Transportation Agenda – Special and Municipal Agreements

**Division 2, cont.**

Mid-East Commission  
Beaufort, Pitt, and Martin  
Counties  
9899

This Programmatic Agreement identifies the responsibilities of Mid-East Commission Rural Planning Organization (RPO) to coordinate transportation planning in the RPO area and the Department to provide funding to support staffing and planning efforts by the RPO to perform work in the Planning Work Program (PWP). The Department will review and approve the funding eligibility of PWP work elements and will notify the RPO of the funding amounts annually.

**Division 3**

Eastern Carolina Council  
Duplin, Lenoir, Greene, and  
Wayne Counties  
9891

This Programmatic Agreement identifies the responsibilities of the Council to coordinate transportation planning in the Eastern Carolina Rural Planning Organization (RPO) area and the Department to provide funding to support staffing and planning efforts by the Council to perform work in the Planning Work Program (PWP). The Department will review and approve the funding eligibility of PWP work elements and will notify the Council of the funding amounts annually.

Cape Fear Council of  
Governments  
Brunswick, Pender and  
Columbus Counties  
9886

This Programmatic Agreement identifies the responsibilities of the COG to coordinate transportation planning in the Cape Fear Rural Planning Organization (RPO) area and the Department to provide funding to support staffing and planning efforts by the COG to perform work in the Planning Work Program (PWP). The Department will review and approve the funding eligibility of PWP work elements and will notify the COG of the funding amounts annually.

**Division 4**

Halifax County  
Halifax, Hertford, Bertie, and  
Northampton Counties  
9904

This Programmatic Agreement identifies the responsibilities of the County to coordinate transportation planning in the Peanut Belt Rural Planning Organization (RPO) area and the Department to provide funding to support staffing and planning efforts by the County to perform work in the Planning Work Program (PWP). The Department will review and approve the funding eligibility of PWP work elements and will notify the County of the funding amounts annually.

NCDOT July 1, 2021 Board of Transportation Agenda  
Board of Transportation Agenda – Special and Municipal Agreements

**Division 4, cont.**

Nash County  
Nash, Wilson, and Edgecombe  
Counties  
9907

This Programmatic Agreement identifies the responsibilities of the County to coordinate transportation planning in the Upper Coastal Plain Organization area and the Department to provide funding to support staffing and planning efforts by the County to perform work in the Planning Work Program (PWP). The Department will review and approve the funding eligibility of PWP work elements and will notify the County of the funding amounts annually.

Town of Nashville  
Nash County  
R-5720  
50214.3.1  
10894

This Project consists of improvements on SR 1770 (Eastern Avenue) from SR 1003 (Red Oak Road) to SR 1603 (Old Carriage Road). At the request of the Municipality, the Department shall include in its construction contract utility betterments. The Municipality shall reimburse the Department 100% for the work. The estimated reimbursement is \$89,449.51.

Town of Clayton  
Johnston County  
U-6223  
48811.3.1  
10892

This Project consists of improvements on SR 1560 (Ranch Road Extension) from US 70 Business/NC 42 to Ranch Road in Clayton. At the request of the Municipality, the Department shall include in its construction contract water line relocations and utility betterments. The Municipality shall reimburse the Department actual costs for the work. The estimated reimbursement is \$22,767.

John T. Coley, IV  
Nash County  
U-5026/R-5720  
44033.3.3  
1000011569

This Design-Build Project consists of interchange improvements on I-95 at SR 1770 (Sunset Avenue) and widening of SR 1770 (Sunset Avenue)/Eastern Avenue from SR 1003 (Red Oak Road) to SR 1544 (Halifax Road). At the request of the Developer, the Department shall include the design and construction for U-turn bulb-out upgrades on Third Street within the project limits. The Developer shall reimburse the Department a fixed cost of \$70,000 for the improvements.

Town of Holly Springs  
Wake County  
HL-0030  
49615.2.1  
49615.2.2  
49615.3.1  
9888

The Project consists of the construction of a new right turn lane, traffic signals, and a sidewalk on northbound Main Street at Holly Springs Road. The Municipality will be responsible for all aspects of the Project. The Department shall reimburse 65% of approved eligible costs from the federal funds allocated, not to exceed \$780,000. The Municipality will be responsible for providing the 35% non-federal match (\$420,000) and all costs that exceed the total available funding of \$1,200,000. This agenda item supersedes the item that was approved by the BOT on June 10, 2021.

NCDOT July 1, 2021 Board of Transportation Agenda  
Board of Transportation Agenda – Special and Municipal Agreements

**Division 5**

Town of Holly Springs  
Wake County  
HL-0030  
49615.2.1  
49615.2.2  
49615.3.1  
9888

The Project consists of the construction of a new right turn lane, traffic signals, and a sidewalk on northbound Main Street at Holly Springs Road. The Municipality will be responsible for all aspects of the Project. The Department shall reimburse 65% of approved eligible costs from the federal funds allocated, not to exceed \$780,000. The Municipality will be responsible for providing the 35% non-federal match (\$420,000) and all costs that exceed the total available funding of \$1,200,000. This agenda item supersedes the item that was approved by the BOT on June 10, 2021.

Kerr-Tar Regional Council of  
Governments  
Granville, Person, Vance,  
Warren, Franklin Counties  
9894

This Programmatic Agreement identifies the responsibilities of the COG to coordinate transportation planning in the Kerr-Tar Rural Planning Organization (RPO) area and the Department to provide funding to support staffing and planning efforts by the COG to perform work in the Planning Work Program (PWP). The Department will review and approve the funding eligibility of PWP work elements and will notify the COG of the funding amounts annually.

Town of Holly Springs  
Wake County  
HL-0029  
49614.2.2  
49614.3.1  
10907

This Project consists of the construction of a right turn lane on southbound NC 55 from SR 1115 (Avent Ferry Road) to South Main Street in Holly Springs. Municipality shall be responsible for all aspects of the project. The Department will reimburse 34% of approved eligible costs from the federal funds allocated, not to exceed \$508,305. The Municipality shall be responsible for providing the 66% non-federal match (\$986,710) for funds authorized and all costs that exceed the total available funding of \$1,495,015.

Town of Cary  
Wake County  
BL-0024  
49608.2.1  
49608.2.2  
49608.3.1  
10908

This Project consists of the completion of sidewalk extensions along the northwest area of Cary Parkway and pedestrian safety improvements over Black Creek. The Municipality shall be responsible for all aspects of the project. The Department will reimburse the Municipality 50% of approved eligible costs, not to exceed \$2,482,500 in STBG-DA funds. The Municipality shall be responsible for providing the 50% non-federal match or \$2,482,500 and all costs that exceed the total available funding of \$4,965,000.

NCDOT July 1, 2021 Board of Transportation Agenda  
Board of Transportation Agenda – Special and Municipal Agreements

**Division 5, cont.**

City of Raleigh  
Wake County  
HL-0032  
49617.3.1  
10909

This Project consists of a road diet, pavement maintenance, signal and bike/pedestrian modifications along Lake Boone Trail, starting from I-440 to Ridge Road as part of the Department's Complete Streets Improvement initiative. The Municipality will be responsible for all aspects of the project. The Department will reimburse 80% of eligible expenses incurred by the Municipality up to a maximum of \$1,017,600 in STBG-DA funds. The Municipality shall be responsible for the 20% non-federal match (\$254,400) and all costs that exceed the total available funding of \$1,272,000.

Town of Fuquay-Varina  
Wake County  
BL-0022  
49606.1.1  
49606.2.1  
49606.2.2  
49606.3.1  
10911

This Project consists of the construction of sidewalk, curb, and gutter improvements along North Street and Ransdell Road in Fuquay-Varina. The Municipality shall be responsible for all phases of the project. The Department will reimburse 80% of eligible expenses incurred by the Municipality up to a maximum of \$1,165,992 in STBG-DA funds. The Municipality shall be responsible for the 20% non-federal match (\$291,498) and all costs that exceed the total available funding of \$1,457,490.

Town of Fuquay-Varina  
Wake County  
HL-0028  
49613.1.1  
49613.2.1  
49613.2.2  
49613.3.1  
10910

This Project consists of constructing additional through and turn lanes on all approaches along with corresponding signal upgrades on Highway 401 and Mill Creek intersection. The Municipality will be responsible for all aspects of the project. The Department will reimburse 80% of eligible expenses incurred by the Municipality up to a maximum of \$1,229,150 in STBG-DA funds. The Municipality shall be responsible for the 20% non-federal match (\$307,288) and all costs that exceed the total available funding of \$1,536,438.

City of Durham  
Durham County  
U-3308  
34915.3.FR1  
10902

The Project consists of widening NC 55 Alston Avenue to a four-lane divided facility from NC 147 to north of US 70 Business to NC 98 (Holloway Street) and replacing the Norfolk-Southern railroad bridges. At the request of the Municipality, the Department will adjust water lines, UC Surveying and As-Built Submission Fee and the creation of Mylars. The estimated cost of reimbursement from Municipality is \$216,730.



NCDOT July 1, 2021 Board of Transportation Agenda  
Board of Transportation Agenda – Special and Municipal Agreements

**Division 5, cont.**

Vance County and US  
Department of Commerce –  
Economic Development  
Administration  
Vance County  
10915

The County is applying for a US Dept. of Commerce – Economic Development Administration (EDA) grant to extend sewer and construct/pave a new access road into Phase II of the Henderson-Vance Industrial Park. The County will petition the Department to add the road to the State Highway System. As a condition of the EDA grant, the Department is required to be a co-applicant as the party responsible for the long-term maintenance. The Department will have no responsibilities (financial or otherwise) prior to the road being added to the State Highway System.

**Division 6**

Mid-Carolina Council of  
Governments  
Cumberland, Harnett, Sampson,  
and Sampson Counties  
9898

This Programmatic Agreement identifies the responsibilities of the COG to coordinate transportation planning in the Mid-Carolina Rural Planning Organization (RPO) area and the Department to provide funding to support staffing and planning efforts by the COG to perform work in the Planning Work Program (PWP). The Department will review and approve the funding eligibility of PWP work elements and will notify the COG of the funding amounts annually.

**Division 7**

Town of Chapel Hill  
Orange County  
C-5179  
46240.1.F1  
46240.2.1  
46240.3.1  
46240.3.2  
10897

This Project consists of bicycle and pedestrian improvements along Estes Drive. The Municipality is responsible for all phases of the Project. This Supplemental Agreement is to increase funding. The Department shall participate in an additional amount not to exceed \$1,030,884 (80%) in CMAQ and STBG-DA funds and \$429,455 (100%) in COVID DA funds. The Municipality will be responsible for providing \$257,721 (20%) as their local match for the CMAQ funds and all costs that exceed the total available funding of \$6,207,333.

Piedmont Triad Regional  
Council  
Caswell, Rockingham,  
Randolph, and Montgomery  
Counties  
9900

This Programmatic Agreement identifies the responsibilities of the Council to coordinate transportation planning in the Piedmont Triad Rural Planning Organization (RPO) area and the Department to provide funding to support staffing and planning efforts by the Council to perform work in the Planning Work Program (PWP). The Department will review and approve the funding eligibility of PWP work elements and will notify the Council of the funding amounts annually.

NCDOT July 1, 2021 Board of Transportation Agenda  
Board of Transportation Agenda – Special and Municipal Agreements

**Division 7, cont.**

City of Greensboro  
Guilford County  
SS-6007I  
SS-6007N  
SS-6007O  
SS-6007Q  
49119.3.1  
49421.3.1  
49422.3.1  
49424.3.1  
10901

These Spot Safety projects consist of multiple traffic improvements; SS-6007I will install three section FYA signal heads; SS-6007N will replace three 5-section dog house signal heads with 4-section FYA signal heads; SS-6007O will provide a dedicated signal head per lane on SR 1541; SS-6007Q will provide for two additional primary signal head per lane on SR 1541 and replace two 5-section heads over the left turn lanes on Norwalk Street. The Municipality shall be responsible for all phase of said work and the Department will reimburse the Municipality up to a maximum of \$150,000 from Spot Safety Funds.

City of High Point  
Guilford County  
17BP.7.R.114  
9776

This Project consists of replacement of Bridge #400052 on SR 1332 (Scientific Street) in High Point as well as the relocation of water and sewer lines. The Municipality shall reimburse the Department 100% cost of the betterment work. The estimated reimbursement from the Municipality is \$1,097,401.90.

City of Greensboro  
Guilford County  
M-0551CC  
49600.3.3  
10904

The Project consists of a survey designed to collect complete travel information for a 24-hour weekday period from a representative sample of households in the Piedmont Triad region. The Municipality shall be responsible for all aspects of the Project. The Department shall reimburse the Municipality \$678,976. Any costs exceeding the total \$848,720 will be borne to Municipality

**Division 8**

Triangle J Council of  
Governments  
Chatham, Moore, Lee, and  
Orange Counties  
9906

This Programmatic Agreement identifies the responsibilities of the COG to coordinate transportation planning in the Triangle Area Rural Planning Organization (RPO) area and the Department to provide funding to support staffing and planning efforts by the COG to perform work in the Planning Work Program (PWP). The Department will review and approve the funding eligibility of PWP work elements and will notify the COG of the funding amounts annually.

City of Sanford  
Lee County  
EB-5868  
47324.1.1  
47324.2.1  
47324.3.1  
10912

This Project consists of constructing a sidewalk along Woodland Avenue from Evergreen Lane to Globe Street. The Municipality shall be responsible for all aspects of the project. The Department shall reimburse 80% of expenses incurred by the Municipality and up to a maximum of \$577,600. The Municipality shall be responsible for providing a 20% (\$144,400) and all costs exceeding the total available funding amount of \$722,000.

NCDOT July 1, 2021 Board of Transportation Agenda  
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**Division 8, cont.**

City of Sanford  
Lee County  
EB-5868  
47324.1.1  
47324.2.1  
47324.3.1  
10912

This Project consists of constructing a sidewalk along Woodland Avenue from Evergreen Lane to Globe Street. The Municipality shall be responsible for all aspects of the project. The Department shall reimburse 80% of expenses incurred by the Municipality and up to a maximum of \$577,600. The Municipality shall be responsible for providing a 20% (\$144,400) and all costs exceeding the total available funding amount of \$722,000.

City of Sanford  
Lee County  
EB-5867  
47323.2.1  
47323.3.1  
10906

This Project consists of constructing a sidewalk along Fields Drive from SR 1237 (Carthage Street) to US 421 Business in Sanford. The Municipality shall be responsible for all aspects of the project. The Department will reimburse the Municipality 80% of expenses incurred by the Municipality and up to a maximum of \$731,200. The Municipality will be responsible for providing 20% non-federal match (\$182,800) and all costs exceeding the total available funding of \$914,000.

City of Laurinburg  
Scotland County  
EB-5865  
47321.1.1  
47321.2.1  
47321.3.1  
10905

This Project consist of the construction of a sidewalk on Atkinson Street (SR 1107) from US 401 Business (S. Main Street) to West Vance Street. The Municipality shall be responsible for all aspects of the project. The Department will reimburse the Municipality 80% of expenses incurred by the Municipality and up to a maximum of \$518,400. The Municipality will be responsible for providing a 20% non-federal match (\$129,600) and all costs exceeding the total available funding of \$648,000.

Lumber River Council of  
Governments  
Hoke, Robeson, Scotland, and  
Richmond Counties  
9897

This Programmatic Agreement identifies the responsibilities of the COG to coordinate transportation planning in the Lumber River Rural Planning Organization (RPO) area and the Department to provide funding to support staffing and planning efforts by the COG to perform work in the Planning Work Program (PWP). The Department will review and approve the funding eligibility of PWP work elements and will notify the COG of the funding amounts annually.

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**Division 9**

Piedmont Triad Regional  
Council  
Davie, Yadkin, Surry, and  
Stokes Counties  
9902

This Programmatic Agreement identifies the responsibilities of the Council to coordinate transportation planning in the Northwest Piedmont Rural Planning Organization (RPO) area and the Department to provide funding to support staffing and planning efforts by the Council to perform work in the Planning Work Program (PWP). The Department will review and approve the funding eligibility of PWP work elements and will notify the Council of the funding amounts annually.

City of Winston-Salem  
Forsyth County  
U-2579AB  
34839.1.8  
34839.3.GV5  
10898

This Project consists of Winston-Salem northern beltway eastern section (Future I-74) from I-40 to I-40 Business Section/US 421. At the request of the Municipality, the Department shall provide the Design for the relocation of water and sewer lines and include provisions in the construction contract for the contractor to adjust and/or relocate said lines. The Municipality shall reimburse the Department the entire cost of said utility work. The estimated reimbursement from the Municipality is \$2,151,871.

**Division 10**

Town of Stallings  
Union County  
U-5112  
42374.2.1  
42374.3.1  
10896

This Project consists of widening improvements to Potters Plain Road (SR 1357). The Municipality is responsible for all phases of the Project. This Supplemental Agreement is to increase funding. The Department shall participate in an additional amount not to exceed \$2,197,600 (80%) in STBG-DA funds. After reimbursement of STBG-DA funds, the Department will also reimburse up to a maximum of \$300,00 in State funds. The Municipality will be responsible for providing \$549,400 (20%) as their non-federal match and all funding that exceeds the total estimated cost of \$5,872,000.

Stanly County  
Stanly, Anson, and Union  
Counties  
9908

This Programmatic Agreement identifies the responsibilities of the County to coordinate transportation planning in the Rocky River Rural Planning Organization (RPO) area and the Department to provide funding to support staffing and planning efforts by the County to perform work in the Planning Work Program (PWP). The Department will review and approve the funding eligibility of PWP work elements and will notify the County of the funding amounts annually.

NCDOT July 1, 2021 Board of Transportation Agenda  
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**Division 11**

High County Council of  
Governments  
Alleghany, Ashe, Avery,  
Watauga, Wilkes, Mitchell, and  
Yancey Counties  
9892

This Programmatic Agreement identifies the responsibilities of the COG to coordinate transportation planning in the High Country Rural Planning Organization (RPO) area and the Department to provide funding to support staffing and planning efforts by the COG to perform work in the Planning Work Program (PWP). The Department will review and approve the funding eligibility of PWP work elements and will notify the COG of the funding amounts annually.

**Division 13**

Foothills Regional Commission  
McDowell, Rutherford, and Polk  
Counties  
9893

This Programmatic Agreement identifies the responsibilities of the Commission to coordinate transportation planning in the Foothills Rural Planning Organization (RPO) area and the Department to provide funding to support staffing and planning efforts by the Commission to perform work in the Planning Work Program (PWP). The Department will review and approve the funding eligibility of PWP work elements and will notify the Commission of the funding amounts annually.

Land of Sky Regional Council  
Buncombe, Transylvania,  
Haywood, and Madison  
Counties  
9896

This Programmatic Agreement identifies the responsibilities of the Council to coordinate transportation planning in the Land of Sky Rural Planning Organization (RPO) area and the Department to provide funding to support staffing and planning efforts by the Council to perform work in the Planning Work Program (PWP). The Department will review and approve the funding eligibility of PWP work elements and will notify the Council of the funding amounts annually.

McDowell County  
R-5964  
48925.1.1  
48925.2.1  
48925.3.1  
10899

This Project consists of construction of two new access roads (Solutions Drive and Impact Drive) in McDowell County. This Supplemental Agreement is to revise the Municipality's participation in the project due to additional ARC funding of \$387,112 obtained by the Department. The Municipality will now be responsible for all costs that exceed the Department's new maximum participation of \$987,112.

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**Division 14**

Southwestern Commission  
Cherokee, Clay, Graham,  
Macon, Swain and Jackson  
Counties  
9905

This Programmatic Agreement identifies the responsibilities of the Commission to coordinate transportation planning in the Southwestern Rural Planning Organization (RPO) area and the Department to provide funding to support staffing and planning efforts by the Commission to perform work in the Planning Work Program (PWP). The Department will review and approve the funding eligibility of PWP work elements and will notify the Commission of the funding amounts annually.

NCDOT July 1, 2021 Board of Transportation Agenda  
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SUMMARY: There are a total of 11 agreements for informational purposes only.

**Division 1**

Dare County  
S-5502  
50063.1.1  
50063.3.F1  
9883

This Project consists of design, fabrication and installation of interpretive signage related to the Scenic Byway at multiple locations across Dare, Hyde, and Carteret Counties. This Supplemental Agreement is to allow the county additional time to complete the Project. The new completion date is July 15, 2021 in lieu of June 30, 2017.

Dare County  
10914

This Agreement is to allow Disaster Related Debris Removal by the Municipality during a State or Disaster or Imminent Threat of Disaster and/or a State Emergency. The Municipality shall remove and dispose of disaster related debris on all released State Routes. The Municipality shall apply directly to FEMA for reimbursement of eligible debris removal costs.

**Division 3**

24 East Development, LLC  
Onslow County  
36249.4329  
1000011493

This Project consists of the installation and equipment and retiming efforts for signal coordination along US 258/NC 24 in Richlands. The Department will perform the work. The Developer shall participate in the project costs in the amount of \$63,400. The estimated cost of the project is \$190,000.

Brunswick County  
10893

This Agreement is to allow Disaster Related Debris Removal by the Municipality during a State or Disaster or Imminent Threat of Disaster and/or a State Emergency. The Municipality shall remove and dispose of disaster related debris on all released State Routes. The Municipality shall apply directly to FEMA for reimbursement of eligible debris removal costs.

**Division 5**

Mackenan Property Group  
Wake County  
36249.4340  
1000011558

This project consists of road improvements of westbound Dickens Road and also adding a 5-section signal head at the intersection of NC-55 (N. Broad St.) and SR 1398 (Wade Nash Rd.). The Department will review the traffic signal plans and inspect the new traffic signal installation. The Developer shall reimburse the Department 100% for the work. The estimated reimbursement is \$5,000.

NCDOT July 1, 2021 Board of Transportation Agenda  
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**Division 5, cont.**

KB Home Raleigh-Durham, Inc.  
Durham County  
36249.4338  
1000011554

This Project consists of a signal upgrade based on the addition of second northbound left-turn lane, and addition of dedicated eastbound right-turn lane at the intersection of US-1 and NC-96. The Department will review the traffic signal plans and inspect the new traffic signal installation. The Developer shall reimburse the Department 100% for the work. The estimated reimbursement is \$5,000.

TGA TCA Durham Logistics  
Center, LLC  
Durham County  
36249.4335  
100011547

This Project consists of a signal upgrade at the intersection of TW Alexander Dr. and Centerpoint Road. The Department will review the traffic signal plans and inspect the new traffic signal installation. The Developer shall reimburse the Department 100% for the work. The estimated reimbursement is \$10,000.

Town of Cary  
Wake County  
10903

This Agreement is to allow Disaster Related Debris Removal by the Municipality during a State or Disaster or Imminent Threat of Disaster and/or a State Emergency. The Municipality shall remove and dispose of disaster related debris on all released State Routes. The Municipality shall apply directly to FEMA for reimbursement of eligible debris removal costs.

Alliance Realty Partners, LLC  
Wake County  
36249.4336  
1000011532

This Project consists of the installation of an additional north right-turn lane and pedestrian signals for crossing the south leg at the intersection of New Hope Road at Buffalo Road. The Department will review the traffic signal plans and inspect the new traffic signal installation. The Developer shall reimburse the Department 100% for the work. The estimated reimbursement is \$5,000.

**Division 10**

Cabarrus County Schools  
Construction  
Cabarrus County  
36249.4331  
1000011520

This Project consists of installation of a new traffic signal at the intersection of SR 1304 (Roberta Road) and SR 1307 (Blackwelder Road)/Meadowbrook Lane. The Department will review the traffic signal plans and inspect the traffic signal installation. The School shall reimburse the Department 100% for the work. The estimated reimbursement is \$6,000.



NCDOT July 1, 2021 Board of Transportation Agenda  
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**Division 14**

Ingles Markets, Inc.  
Macon County  
36249.4337  
1000011518

This Project consists of upgrading Signal No. 14-0955 at the intersection of US 23-441 and Hyatt Road to accommodate additional turn lanes at the intersection. 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 July 2021 Board of Transportation Agenda

## Municipal Street System Changes for Powell Bill Program

### Deletion from the State Highway System

Division	County	Municipality	Road	Termini	Length
3	Brunswick	Belville	SR 1628; Old Blackwell Road	From SR 1551 (Blackwell Road) to end of maintenance	0.09

**File Name:** BRUNSWICK\_2021\_07\_M001

10	Mecklenburg	Matthews	SR 3452; East McDowell Street	From SR 3448 (South Trade Street) to end of maintenance	0.18
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**File Name:** MECKLENBURG\_2021\_07\_M001

**Total Miles = 0.27**

## NCDOT July 2021 Board of Transportation Agenda

### Municipal Street System Changes for Powell Bill Program

#### Retroactive Correction NCDOT June 2018 Board of Transportation Agenda Approval of Municipal Street System Changes Deletion from the State Highway System

Division	County	Municipality	Road	Termini	Length
7	Guilford	Kernersville	SR 1863; Bending Road	Rescind the following action originally taken by the Board on June 28, 2018: To delete Bending Road in the Town of Kernersville*	0.76

**File Name:** GUILFORD\_2018\_07\_M001

**Total Miles = 0.76**

\* See also subsequent Item G Board correction on July 1, 2021

## **NCDOT July 2021 Board of Transportation Agenda**

<b><u>No.</u></b>		<b><u>Enacted Page No.</u></b>
<b>1</b>	<b>Preliminary Right of Way Plans</b>	<b>R-1</b>
<b>2</b>	<b>Final Right of Way Plans</b>	<b>R-2 &amp; R-3</b>
<b>3</b>	<b>Conveyance ROW Residue by Real Estate Agent and or Auctioneer</b>	<b>R-4 – R-9</b>
<b>4</b>	<b>Approval of Revision in Control of Access</b>	<b>R-10</b>
<b>5</b>	<b>Approval of Conveyance of Surplus Highway Right of Way</b>	<b>R-11</b>

## **NCDOT July 2021 Board of Transportation Agenda**

### **Preliminary Right of Way Plans**

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

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

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

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

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

**Robeson County; I.D. No. I-5987A; Project No. 47533.2.2:**  
I-95 from South of US 301 to South of NC 20

**Robeson County; I.D. No. I-5987B; Project No. 47533.2.3:**  
I-95 from South of NC 20 to South of Proposed I-295

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

**Union County; I.D. No. U-4714B; Project No. 39078.2.6:**  
SR 1009 (Old Monroe Road) from West of Morningside Meadow Lane to East of SR 1377 (Wesley Chapel – Stouts Road) in Indian Trail

**PRELIMINARY RIGHT OF WAY PLANS**

**3 PROJECT(S)**

**\$ 0.00**

## **NCDOT July 2021 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)**

**Project No. 17BP.1.ROW.90; Northampton County; I.D. No. N/A:**

Drainage, grading, paving, and structure on Bridge No. 15 on SR 1505 (NCHS Road) over Wildcat Swamp in Northampton County with the right of way indicated upon the final plans for said project.

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

**Project No. 17BP.2.R.92; Pitt County; I.D. No. N/A:**

Drainage, grading, paving and structure on Bridge No. 171 over Johnson Mill Run on SR 1418 (Staton House Road) with the right of way indicated upon the final plans for said project.

**Project No. 40212.2.1; Carteret County; I.D. No. B-4863:**

Drainage, grading, paving and structure on Bridge No. 73 and Bridge No. 96 over the straits at Harker Island on SR 1335 (Island Road) with the right of way indicated upon the final plans for said project.

**Project No. 46015.2.1; Pitt County; I.D. No. B-5301:**

Drainage, grading, paving and structure on Bridge No. 87 over the Norfolk Southern Railroad on NC 33 with the right of way indicated upon the final plans for said project.

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

**Project No. 45597.2.1; Brunswick County; I.D. No. B-5642:**

Drainage, grading, paving and structure on Bridge No. 65 over Batarora Branch on NC 87 with the right of way indicated upon the final plans for said project.

## **NCDOT July 2021 Board of Transportation Agenda**

### **Final Right of Way Plans (continued)**

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

**Project No. 45621.2.1; Wilson County; I.D. No. B-5666:**

Drainage, grading, paving and structure on Bridge No. 47 over Seaboard Coast Line Railroad on US 117 with the right of way indicated upon the final plans for said project.

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

**Project No. 47532.2.3; Harnett and Johnston Counties; I.D. No. I-5986B:**

Culvert, drainage, grading, paving, signals, and structures on I-95 from SR 1709 (Hodges Chapel Road – exit 77) to I-40 (exit 81). Widen to eight lanes Harnett/Johnston Counties with the right of way indicated upon the final plans for said project.

**Project No. 53078.2.2; Harnett County; I.D. No. I-5878:**

Culvert, drainage, grading, paving, signals, and structures on I-95 at US 421 (Exit 73) and SR 1793 (Pope Road) (Exit 72). Improve interchanges, widen to eight lanes with the right of way indicated upon the final plans for said project.

**Project No. 53083.2.2; Harnett County; I.D. No. I-5883:**

Drainage, grading, paving and structures on I-95 at SR 1808 (Jonesboro Road) (Exit 75) to North of SR 1709 (Hodges Chapel Road) (Exit 77). Improve interchanges widen to eight lanes with the right of way indicated upon the final plans for said project.

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

**Project No. 17BP.11.R.153; Wilkes County; I.D. No. N/A:**

Drainage, grading, paving and structure on Bridge No. 960419 on SR 1148 over Naked Creek in Wilkes County with the right of way indicated upon the final plans for said project.

**Project No. 49216.2.1; Wilkes County; I.D. No. BR-0108:**

Drainage, grading, paving and structure on Bridge No. 4 over Little Hunting Creek on SR 2418 with the right of way indicated upon the final plans for said project.

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

**Project No. 49215.2.1; Iredell County; I.D. No. BR-0107:**

Drainage, grading, paving and structure on Bridge No. 131 over Snow Creek on SR 1577 with the right of way indicated upon the final plans for said project.

**FINAL RIGHT OF WAY PLANS**

**12 PROJECT(S)**

**\$ 0.00**

## **NCDOT July 2021 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-2510C, Parcel 076, US 17 North Beaufort County**

Conveyance of an approximate 1.630-acre area comprised of one (1) B-class residue, having a value of **\$5,000** to **Melissa Hartman** for the highest offer amount of **\$16,000**; total commission **\$1000**.

##### **Project R-2301A, Parcel 009, US 17 Craven County**

Conveyance of an approximate 9.500-acre area comprised of one (1) B-class residue, having a value of **\$1,750** to **Alden Harris** for the highest offer amount of **\$1,750**; total commission **\$1,000**.

##### **Project R-2301A, Parcel 003, US 17 Craven County**

Conveyance of an approximate 11.980-acre area comprised of one (1) B-class residue, having a value of **\$3,150** to **Michael Sullivan** for the highest offer amount of **\$3,150**; total commission **\$1,000**.

##### **Project R-2414C, Parcel 083, US 17 Jones County**

Conveyance of an approximate 0.520-acre area comprised of one (1) B-class residue, having a value of **\$900** to **Michael Sullivan** for the highest offer amount of **\$810**; total commission **\$1,000**.

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

##### **Project R-2211BA, Parcel 043, 044 NC24 Duplin County**

Conveyance of an approximate 0.420-acre area comprised of one (1) B-class residue and one (1) C-class residue, having a value of **\$5,000** to **Catherine Jones Phillips** for the highest offer amount of **\$4,500**; total commission **\$500**.

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

##### **I-2722, Parcel 008, I-85 Durham County**

Conveyance of an approximate 0.070-acre area comprised of one (1) C-class residue, having a value of **\$1,125** to **Earnest L. Shannon** for the highest offer amount of **\$1,200**; total commission **\$80**.



## **NCDOT July 2021 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 I-0306DB, Parcel 188, I-85 Durham County**

Conveyance of an approximate 0.340-acre area comprised of one (1) B-class residue, having a value of **\$3,045** to **Reza Jafari** for the highest offer amount of **\$3,045**; no additional commission fees required.

##### **Project 091US1, Parcel 001, US 1 Vance County**

Conveyance of an approximate 0.600-acre area comprised of one (1) B-class residue, having a value of **\$150** to **Maxwell Conrad Palmer** for the highest offer amount of **\$1,654**; total commission **\$34.60**.

##### **Project I-85US, Parcel 012,013, I-85 Vance County**

Conveyance of an approximate 0.350-acre area comprised of one (1) A-class residue, having a value of **\$3,500** to **Nur Properties LLC** for the highest offer amount of **\$3,859**; no additional commission fees required.

##### **Project R-2525B, Parcel 066, US 401 Wake County**

Conveyance of an approximate 0.350-acre area comprised of one (1) C-class residue, having a value of **\$575** to **BLUESKY1 LLC** for the highest offer amount of **\$16,056**; no additional commission fees required.

##### **Project 092SR2026, Parcel 003, Timber Drive Vance County**

Conveyance of an approximate 0.100-acre area comprised of one (1) C-class residue, having a value of **\$500** to **Monica A. Price** for the highest offer amount of **\$1,400**; total commission **\$60**.

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

##### **Project U-2717, Parcel 061, SR 1113 Kivett Drive Guilford County**

Conveyance of an approximate 0.260-acre area comprised of one (1) B-class residue, having a value of **\$10,350** to **Bernadine Martin** for the highest offer amount of **\$9,400**; total commission **\$1,500**.

##### **Project U-0510, Parcel 000B, Bryan Boulevard Guilford County**

Conveyance of an approximate 0.760-acre area comprised of one (1) A-class residue, having a value of **\$22,975** to **DanJack Touprong** for the highest offer amount of **\$42,000**; total commission **\$2,520**.

## **NCDOT July 2021 Board of Transportation Agenda**

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

#### **Auctioneer (continued)**

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

##### **Project 001SR1311, Parcel 001, University Drive Alamance County**

Conveyance of an approximate 0.450-acre area comprised of one (1) A-class residue, having a value of **\$26,250** to **Wayman Simon Madden III** for the highest offer amount of **\$23,625**; total commission **\$2,000**.

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

##### **Project R-2219AB, Parcel 007, US 64 Chatham County**

Conveyance of an approximate 1.460-acre area comprised of one (1) B-class residue, having a value of **\$5,500** to **David H. Chen** for the highest offer amount of **\$8,288**; no additional commission fees required.

##### **Project R-2417BB, Parcel 007,009, Sanford Bypass Lee County**

Conveyance of an approximate 0.780-acre area comprised of two (2) B-class residues, having a value of **\$4,000** to **Glasco Judd Jr.** for the highest offer amount of **\$3,600**; no additional commission fees required.

##### **Project 077US220, Parcel 001, US 220 Richmond County**

Conveyance of an approximate 0.150-acre area comprised of one (1) C-class residue, having a value of **\$250** to **Metropol Enterprises** for the highest offer amount of **\$250**; total commission **\$175**.

##### **Project 077SR1424, Parcel 001, Roberdale Road Richmond County**

Conveyance of an approximate 0.160-acre area comprised of one (1) B-class residue, having a value of **\$1,500** to **Reza Jafari** for the highest offer amount of **\$3,881**; no additional commission fees required.

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

##### **Project 060NC16, Parcel 001, NC 16 Mecklenburg County**

Conveyance of an approximate 1.130-acre area comprised of one (1) A-class residue, having a value of **\$102,000** to **Chelsea Building Group LLC** for the highest offer amount of **\$218,000**; no additional commission fees required.

##### **Project R-2123CC, Parcel 029, I-485 Mecklenburg County**

Conveyance of an approximate 5.500-acre area comprised of one (1) A-class residue, having a value of **\$250,000** to **Michael J. Efrid** for the highest offer amount of **\$262,734**; no additional commission fees required.

## **NCDOT July 2021 Board of Transportation Agenda**

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

#### **Auctioneer (continued)**

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

##### **Project R-2248BB, Parcel 067, I-485**

##### **Mecklenburg County**

Conveyance of an approximate 1.00-acre area comprised of one (1) A-class residue, having a value of **\$37,000** to **Michael J. Efrid** for the highest offer amount of **\$42,400**; no additional commission fees required.

##### **Project R-2123AD, Parcel 007, I-485**

##### **Mecklenburg County**

Conveyance of an approximate 1.840-acre area comprised of one (1) A-class residue, having a value of **\$55,000** to **Martin Nunez Mora** for the highest offer amount of **\$91,000**; no additional commission fees required.

##### **Project R-2215, Parcel 026, NC 49**

##### **Mecklenburg County**

Conveyance of an approximate 1.000-acre area comprised of two (2) A-class residues, having a value of **\$74,000** to **Martin Nunez Mora** for the highest offer amount of **\$70,000**; no additional commission fees required.

##### **Project MA10183R, Parcel 008, Providence Road**

##### **Mecklenburg County**

Conveyance of an approximate 0.360-acre area comprised of one (1) A-class residue, having a value of **\$53,000** to **Richard W. McCoy** for the highest offer amount of **\$101,000**; no additional commission fees required.

##### **Project U-2507A, Parcel 182, Mallard Creek Road**

##### **Mecklenburg County**

Conveyance of an approximate 0.130-acre area comprised of one (1) A-class residue, having a value of **\$34,000** to **SouthCraft Builders Inc.** for the highest offer amount of **\$30,600**; no additional commission fees required.

##### **Project R-2248BB, Parcel 067, I-485**

##### **Mecklenburg County**

Conveyance of an approximate 0.200-acre area comprised of one (1) A-class residue, having a value of **\$13,000** to **Randy J. and Phyllis S Worthy** for the highest offer amount of **\$13,000**; no additional commission fees required.

##### **Project 060I485, Parcel 001, I-485**

##### **Mecklenburg County**

Conveyance of an approximate 0.260-acre area comprised of one (1) A-class residue, having a value of **\$74,000** to **Tonia B. Moore** for the highest offer amount of **\$76,513**; no additional commission fees required.

## **NCDOT July 2021 Board of Transportation Agenda**

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

#### **Auctioneer (continued)**

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

##### **Project R-2323BB, Parcel 937, I-485**

##### **Mecklenburg County**

Conveyance of an approximate 0.540-acre area comprised of one (1) A-class residue, having a value of **\$8,000** to **Dustin Hare** for the highest offer amount of **\$36,100**; no additional commission fees required.

##### **Project U-2806A, Parcel 101, I-485**

##### **Mecklenburg County**

Conveyance of an approximate 0.680-acre area comprised of one (1) A-class residue, having a value of **\$23,000** to **Martin Nunez Mora** for the highest offer amount of **\$45,000**; no additional commission fees required.

##### **Project 060SR2939, Parcel 001, Old Concord Road**

##### **Mecklenburg County**

Conveyance of an approximate .420-acre area comprised of one (1) A-class residue, having a value of **\$35,000** to **Michael J. Efrid** for the highest offer amount of **\$31,500**; no additional commission fees required.

##### **Project 060SR5240, Parcel 001, I-485**

##### **Mecklenburg County**

Conveyance of an approximate 1.800-acre area comprised of one (1) A-class residue, having a value of **\$91,000** to **Pavel Stakhov** for the highest offer amount of **\$100,000**; no additional commission fees required.

##### **Project I-0301FA, Parcel 735, I-85**

##### **Mecklenburg County**

Conveyance of an approximate 0.360-acre area comprised of one (1) A-class residue, having a value of **\$58,000** to **Michael J. Efrid** for the highest offer amount of **\$60,650**; no additional commission fees required.

##### **Project R-2215, Parcel 026, NC 49**

##### **Mecklenburg County**

Conveyance of an approximate 0.240-acre area comprised of one (1) B-class residue, having a value of **\$7,500** to **Theresca L. Berrios** for the highest offer amount of **\$6,750**; no additional commission fees required.

##### **Project B-3421, Parcel 010,012, Bridge Over Southern Railway on SR 1002**

##### **Cabarrus County**

Conveyance of an approximate 0.320-acre area comprised of two (2) A-class residues, having a value of **\$36,000** to **Creative Land Solutions** for the highest offer amount of **\$34,998**; no additional commission fees required.

## **NCDOT July 2021 Board of Transportation Agenda**

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

#### **Auctioneer (continued)**

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

##### **Project R-2239B, Parcel 210, US 421**

##### **Wilkes County**

Conveyance of an approximate 0.340-acre area comprised of one (1) B-class residue, having a value of **\$350** to **David K. Welborn** for the highest offer amount of **\$350**; total commission **\$2000**.

##### **Project R-2604A, Parcel 010, NC 268 Bypass**

##### **Surry County**

Conveyance of an approximate 0.860-acre area comprised of one (1) B-class residue, having a value of **\$1,000** to **Most Investments 5 LLC** for the highest offer amount of **\$1,000**; total commission **\$2000**.

**CONVEYANCE ROW RESIDUE (HB 501)**

**36 PROJECT(S)**

**\$ 1,366,063.00**

## **NCDOT July 2021 Board of Transportation Agenda**

### **Approval of Revision in Control of Access**

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

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

##### **Project 34364.2.2, R-2000AA Parcel 003 NC 55 just south of I-540 in Town of Cary Wake County**

Revision in the control of access along NC 55 just south of I-540 in Town of Cary in Wake County to Cary Creek Land, LLC for the enhancement value of \$213,000.

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

##### **Project 34533.2.TA10, R-3329/R-2259 Parcel 071, US 74 along RMP-6794 southeast of SR 1365 (Stallings Road) in Town of Stallings Union County**

Revision in the control of access along US 74 along RMP-6794 southeast of SR 1365 (Stallings Road) in Town of Stallings in Union County to The Charlotte-Mecklenburg Hospital Authority (dba Atrium Health Union West) for the enhancement value of \$584,775

<b>APPROVAL OF REVISION IN CONTROL OF ACCESS</b>	<b>2 PROJECT(S)</b>	<b>\$ 797,775.00</b>
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## **NCDOT July 2021 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 5)**

**Project 8.1402504, R-2809C 906, NC 98, Wake Forest Bypass from west of US 1A (South Main Street) to east of SR 2053 (Jones Dairy Road)  
Wake County**

Disposal of approximately 0.72 acre surplus right of way, to Rogers Road 3415, LLC for the enhancement value of \$432,000.

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

**Project 8.1660601, Parcel 120, NC 49 (South Tryon Street) near Rampart Street in city of Charlotte  
Mecklenburg County**

Disposal of approximately 0.078 acre surplus right of way (Drainage Easement), to VV 2100 Development, LLC, for no consideration.

#### **(Division 13)**

**Project 8.19003, East side I-26 near the end of Technology Drive  
Buncombe County**

Disposal of approximately 1.4 acres surplus right of way to Biltmore Park Three, LLC, for the enhancement value of \$184,800

<b>APPROVAL OF CONVEYANCE OF SURPLUS HIGHWAY ROW</b>	<b>3 PROJECT(S)</b>	<b>\$ 616,800.00</b>
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<b>R-ITEM SUMMARY</b>	<b>56 PROJECT(S)</b>	<b>TOTAL:\$ 2,780,638.00</b>
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**NORTH CAROLINA BOARD OF TRANSPORTATION  
RECOMMENDED ALLOCATION OF HIGHWAY MAINTENANCE APPROPRIATIONS  
FISCAL YEAR 2021 - 2022**

At the time of preparation of this Agenda Item the General Assembly had not ratified House Bill 555. Accordingly, it is recommended to move forward with a partial allocation of General Maintenance Reserve, Roadside Environmental, Contract Resurfacing, Pavement Preservation, Bridge Program, and Bridge Preservation funds based on the Governor's recommend budget.

Annual Spend Targets have been established for each program and provided to the Divisions. Division performance against spend targets will be tracked both monthly and quarterly to allow for necessary adjustments.

It is recommended that funds within each program category be allocated in accordance with the figures detailed in Table 1 on Page 2.



**NORTH CAROLINA BOARD OF TRANSPORTATION  
RECOMMENDED ALLOCATION OF HIGHWAY MAINTENANCE APPROPRIATIONS  
FISCAL YEAR 2021 - 2022**

**Table 1 – MAINTENANCE ALLOCATION SUMMARY**

<b><u>SCHEDULE I(a) – GENERAL MAINTENANCE RESERVE</u></b>	<b><u>TOTAL ALLOCATION</u></b>
Road and Bridge Maintenance	142,783,378
Asset Maintenance and Operation	15,825,000
Emergency	(1,873,214)
Research and Development	7,745,836
State and Federal Obligation	10,519,000
FY 2022 Cashflow Repayment	215,489,911
Cashflow from FY 2023	(185,489,911)
<b><i>Subtotal</i></b>	<b><u>\$205,000,000</u></b>
<b><u>SCHEDULE 1(b) – EMERGENCY GENERAL MAINTENANCE RESERVE</u></b>	
Division Snow & Ice	60,000,000
Emergency	33,731,212
<b><i>Subtotal</i></b>	<b><u>\$93,731,212</u></b>
<b><u>SCHEDULE II - ROADSIDE ENVIRONMENTAL</u></b>	
Division Distribution	14,740,000
Asset Maintenance and Operation	5,060,000
State and Federal Obligation	200,000
Transfer from Roadside Environmental Admin	0
FY 2022 Cashflow Repayment	48,813,029
Cashflow from FY 2023	(13,813,029)
<b><i>Subtotal</i></b>	<b><u>\$55,000,000</u></b>
<b><u>SCHEDULE III – CONTRACT RESURFACING</u></b>	
Division Distribution	233,650,000
Asset Maintenance and Operation	11,350,000
FY 2022 Cashflow Repayment	405,211,553
Cashflow from FY 2023	(150,211,553)
<b><i>Subtotal</i></b>	<b><u>\$500,000,000</u></b>
<b><u>SCHEDULE IV – PAVEMENT PRESERVATION</u></b>	
Division Distribution	59,000,000
FY 2022 Cashflow Repayment	13,452,195
Cashflow from FY 2023	(8,452,195)
<b><i>Subtotal</i></b>	<b><u>\$64,000,000</u></b>
<b><u>SCHEDULE V – BRIDGE PROGRAM</u></b>	
Division Distribution	48,046,234
Central Distribution	71,764,850
FY 2022 Cashflow Repayment	15,188,916
<b><i>Subtotal</i></b>	<b><u>\$135,000,000</u></b>
<b><u>SCHEDULE VI – BRIDGE PRESERVATION</u></b>	
Division Distribution	17,500,000
Central Distribution	8,863,088
FY 2022 Cashflow Repayment	8,636,912
<b><i>Subtotal</i></b>	<b><u>\$35,000,000</u></b>
<b><i>Grand Total</i></b>	<b><u>\$1,087,731,212</u></b>

**NORTH CAROLINA BOARD OF TRANSPORTATION  
RECOMMENDED ALLOCATION OF HIGHWAY MAINTENANCE APPROPRIATIONS  
FISCAL YEAR 2021 - 2022**

**SCHEDULE I(a) – GENERAL MAINTENANCE RESERVE**

In accordance with the recommended allocations listed on Page 2, a total of \$205,000,000 has been made available for distribution. The staff recommends repayment of \$30,000,000 of the current \$215,489,911 cashflow total while continuing to cash flow the remaining balance of \$185,489,911 equally among the 14 Highway Divisions. Of the remaining \$175,000,000, \$59,710,000 will be used to support Division Administration, \$32,216,622 will be used to support Enterprise level programs, and the \$83,073,378 remaining balance of funds will be distributed by previously approved formula to be used for Road and Bridge Maintenance.

**ROAD AND BRIDGE MAINTENANCE**

This item, listed under General Maintenance Reserve, will be utilized for the purposes of continuing routine maintenance activities including, but not limited to, pavement patching, pavement markings, markers, signs, symbols, roadside vegetation management, drainage, unpaved shoulders, litter pickup, and other similar maintenance activities. Bridge related activities include, but are not limited to, repairing concrete bridge decks, girder painting, emergency bridge repair or replacement, foundation repair, installation of support bents, and flooring and rail repair. Replacing small critical bridges and pipes are also eligible activities. and These expenditures will include both contract and force account maintenance.

**DIVISION ADMINISTRATION**

Division Administration is a direct allocation to the Divisions for the estimated cost of the following:

- Traffic System Operations
- Incident Management
- Electricity for Traffic Control Devices
- Maintenance of Roadway and Interchange Lighting
- Major Events
- Maintenance and Repair of Guardrail
- Operation of Moveable Span Bridges
- River Ferries
- Division Accounting

**ENTERPRISE PROGRAMS**

Enterprise level programs are comprised of four main categories: **Asset Maintenance and Operations, Emergency, Research and Development, and State and Federal Obligations.**

**Asset Maintenance and Operations** are funds used to assess and address statewide program needs. Examples include funding the central activities related to Incident Management, Materials and Test non-TIP pavement activities, NPDES functions, and maintenance repairs to assets such as traffic signals.

## **NORTH CAROLINA BOARD OF TRANSPORTATION RECOMMENDED ALLOCATION OF HIGHWAY MAINTENANCE APPROPRIATIONS FISCAL YEAR 2021 - 2022**

**Emergency** are funds used to cover unanticipated expenditures for non-declared emergency operations, as well as snow and ice equipment purchases. Beginning in FY 2021 these funds were shifted from Traditional General Maintenance Reserve to Emergency General Maintenance Reserve.

**Research and Development** are funds used to research, develop, and implement state of the art maintenance technologies, practices, and procedures. Objectives of these programs include improving maintenance efficiencies and improving cost effectiveness.

**State and Federal Obligations** are funds required either by state or federal laws, regulations, or rules. Examples of such obligations include Asphalt Testing Labs Corrective Actions, Drug & Alcohol Testing, Railroad Signal Maintenance, and maintenance of Weigh Stations.

Further detail regarding recommended allocations of these funds is addressed in Table 2 on Page 5.

### **SCHEDULE 1(b) – EMERGENCY GENERAL MAINTENANCE RESERVE**

General Maintenance Reserve Emergencies was established in FY 2021 for funding non-declared emergency events.

#### **Division Administration**

- Snow & Ice operations will be a direct allocation to the Divisions based on a pro-rata share of the 5-year average expenditures

#### **Enterprise Program**

- Funds are used to cover Snow & Ice equipment purchases and unanticipated expenditures for non-declared emergency operations, excluding Snow & Ice operations

Annual Snow & Ice Spend Targets have been established for each Division and will be tracked both monthly and quarterly to allow for necessary adjustments of allocated funds between Divisions.

### **SCHEDULE II – ROADSIDE ENVIRONMENTAL**

Beginning in FY 2018, the General Assembly established funds to be utilized for vegetation management, mowing, litter prevention and removal, beautification efforts, and rest areas. In accordance with the recommended allocations listed on Page 2, a total of \$55,000,000 has been made available for distribution. The staff recommends repayment of \$35,000,000 of the current \$48,813,029 cashflow total while continuing to cash flow the remaining balance of \$13,813,029 equally among the 14 Highway Divisions. The remaining fund balance of \$20,000,000 will be distributed among the Divisions for Roadside Maintenance based on previously approved formula, as well as support Division Administration and Enterprise level programs as detailed below.

**NORTH CAROLINA BOARD OF TRANSPORTATION  
RECOMMENDED ALLOCATION OF HIGHWAY MAINTENANCE APPROPRIATIONS  
FISCAL YEAR 2021 - 2022**

The staff recommends a \$14,705,000 direct allocation to the Divisions for the estimated cost of the following Division Administration activities:

- Specialized Landscaping
- Rest Areas and Welcome Centers

The staff also recommends allocating \$5,060,000 to Asset Maintenance and Operation for activities such as monitoring contract Litter and Mowing efforts and \$200,000 to State and Federal Obligations for SVR duties associated with Outdoor Advertising.

Further detail regarding recommended allocations of these funds is addressed in Table 2 on Page 6.

**NORTH CAROLINA BOARD OF TRANSPORTATION  
RECOMMENDED ALLOCATION OF HIGHWAY MAINTENANCE APPROPRIATIONS  
FISCAL YEAR 2021 - 2022**

**Table 2 – SCHEDULES 1(a), 1(b), and II**

Division	Schedule I(a)	Schedule 1(b)	Schedule II
	General Maintenance Reserve	Emergency General Maintenance Reserve	Roadside Environmental
1	7,775,898	1,364,947	881,377
2	9,227,933	1,175,793	452,157
3	11,011,346	685,514	514,434
4	9,643,074	2,314,083	2,103,000
5	14,652,486	4,970,349	807,966
6	9,797,645	845,026	1,027,737
7	12,874,510	7,749,481	978,488
8	8,643,788	1,615,178	715,805
9	9,794,377	6,431,937	1,202,135
10	14,619,268	2,859,573	1,017,353
11	6,635,145	9,820,268	757,442
12	10,454,218	2,515,062	1,502,605
13	7,952,582	9,211,496	1,127,265
14	9,701,108	8,441,293	1,652,236
<b>Subtotal</b>	<b>\$142,783,378</b>	<b>\$60,000,000</b>	<b>\$14,740,000</b>
Asset Maintenance & Operations	15,825,000	0	5,060,000
Emergencies	(1,873,214)	33,731,212	0
Research and Development	7,745,836	0	0
State and Federal Obligation	10,519,000	0	200,000
Cashflow Payback	30,000,000	0	35,000,000
<b>Subtotal</b>	<b>\$62,216,622</b>	<b>33,731,212</b>	<b>40,260,000</b>
<b>Grand Total</b>	<b>\$205,000,000</b>	<b>93,731,212</b>	<b>\$55,000,000</b>

**SCHEDULE III – CONTRACT RESURFACING**

Of the total \$500,000,000 available, the staff recommends repayment of \$255,000,000 of the current \$ 405,211,553 cash flow total while continuing to cash flow the remaining balance of \$150,211,553 equally in each of the 14 Highway Divisions. Resurfacing activities will include placement of plant mixed asphalt, surface treatment seals, and recycling existing pavement. They will also include surface preparation, shoulder reconstruction, and traffic lane markings, performed by State Forces and by Contract. In accordance with current legislation, up to 15% of the funds may be used for widening existing narrow pavements. It is also recommended that of the total funds available \$11,350,000 be allocated to Asset Maintenance and Operation to cover Automated Assessments and non-TIP Materials & Test activities and a direct allocation of \$425,000 for Division Administration activities. The remaining \$233,225,000 is to be distributed among the 14 Divisions based on the previously approved formula.

**NORTH CAROLINA BOARD OF TRANSPORTATION  
RECOMMENDED ALLOCATION OF HIGHWAY MAINTENANCE APPROPRIATIONS  
FISCAL YEAR 2021 - 2022**

**SCHEDULE IV – PAVEMENT PRESERVATION**

Beginning in FY 2015, the General Assembly has provided funds to address preservation activities or treatments for asphalt pavement structures. Eligible activities include the following: chip seals, slurry seals, fog seals, sand seals, scrub seals, and cape seals. Microsurfacing, profile milling not covered by resurfacing, asphalt rejuvenators, and open graded asphalt friction course is also eligible. Additional preservation activities include overlays less than 1,000 feet in length, diamond grinding, joint sealing, dowel bar retrofit, and partial or full depth repairs and reclamations. Ultra-thin whitetopping, thin lift and sand asphalt overlays and asphalt crack sealing are also eligible pavement preservation activities. Session Law 2017-57 expanded eligible activities to include pavement markers and markings. Of the total \$64,000,000 available, the staff recommends repayment of \$5,000,000 of the current \$13,452,195 cash flow total while continuing to cash flow the remaining balance of \$8,452,195 equally in each of the 14 Highway Divisions. Of the remaining \$59,000,000, \$45,000 will be a direct allocation to the Divisions for Division Administrative activities with the \$58,955,000 balance being distributed among the Divisions based on the previously approved formula with an adjustment added to Divisions 1 – 3, 10, and 12-14 to make each Division whole from the redistribution of funds included in the May 2021 agenda.

**SCHEDULE V – BRIDGE PROGRAM**

Beginning in FY 2015, the General Assembly established Bridge Program funds which are intended to address structurally deficient bridges. Of the total \$135,000,000 available, the staff recommends repayment of the current \$ 15,188,916 cash flow total. It is also recommended that \$71,764,850 be allocated to fund construction costs for SFY 2022 bridge projects and to fund preliminary engineering costs for future bridge projects on the Primary System. Of the remaining \$48,046,234, \$203,000 will be a direct allocation to the Divisions for Administrative activities with the \$47,843,234 balance being distributed among the Divisions based on the previously approved formula.

**SCHEDULE VI – BRIDGE PRESERVATION**

Beginning in FY 2018, the General Assembly established funds to employ cost effective solutions to maximize bridge life and lower lifetime cost. Of the total \$35,000,000 available, staff recommends repayment of the current \$8,636,912 cash flow total. It is recommended that \$8,863,088 be allocated Centrally for high value bridge preservation projects. The staff also recommends allocating a total of \$454,000 among Divisions 1, 2, and 3 for the maintenance of moveable span bridges and an additional \$137,000 as a direct allocation to the Division for Administrative activities. The remaining \$16,909,000 is recommended to be distributed to the Divisions based on the previously approved formula.

Further detail regarding recommended allocations of these funds is addressed in Table 3 on Page 8.

**NORTH CAROLINA BOARD OF TRANSPORTATION  
RECOMMENDED ALLOCATION OF HIGHWAY MAINTENANCE APPROPRIATIONS  
FISCAL YEAR 2021 - 2022**

**Table 3 – SCHEDULES III, IV, V, and VI**

<b>Division</b>	<b>Schedule III Contract Resurfacing</b>	<b>Schedule IV Pavement Preservation</b>	<b>Schedule V Bridge Program</b>	<b>Schedule VI Bridge Preservation</b>
1	14,670,818	5,402,865	2,468,073	1,284,720
2	15,697,119	2,188,840	3,038,229	1,109,673
3	18,090,556	4,599,435	2,662,805	1,459,481
4	20,244,096	5,145,937	2,576,965	1,222,925
5	23,828,795	4,392,149	2,956,365	1,504,294
6	15,389,875	4,642,696	2,097,860	945,110
7	17,785,205	3,792,505	4,099,531	1,265,996
8	19,267,032	5,007,079	2,592,409	1,053,384
9	12,075,332	4,085,191	2,691,581	1,034,255
10	18,692,330	3,640,337	2,668,193	1,463,766
11	12,811,443	5,182,379	5,410,457	1,144,325
12	13,411,654	1,559,820	3,930,237	1,117,795
13	14,994,609	4,126,638	6,118,141	1,513,326
14	16,691,136	5,234,129	4,735,388	1,380,950
<b>Subtotal</b>	<b>\$233,650,000</b>	<b>\$59,000,000</b>	<b>\$48,046,234</b>	<b>\$17,500,000</b>
Statewide	11,350,000	0	71,764,850	8,863,088
Cashflow Payback	255,000,000	5,000,000	15,188,916	8,636,912
<b>Subtotal</b>	<b>\$266,350,000</b>	<b>\$5,000,000</b>	<b>\$86,953,766</b>	<b>\$17,500,000</b>
<b>Grand Total</b>	<b>\$500,000,000</b>	<b>\$64,000,000</b>	<b>\$135,000,000</b>	<b>\$35,000,000</b>

**Item S Summary: 6 Actions totaling \$1,087,731,212**

There are no Comprehensive Transportation Plans to be presented for approval at the July 1, 2021 Board of Transportation Meeting.



## NORTH CAROLINA BOARD OF TRANSPORTATION

There will be no Item V for the July 1, 2021 Board of Transportation meeting.

## Committee Reports

Committee reports are developed by staff committee contacts of each respective committee and provided to BOT committee chairs for distribution to the full board during the committee updates.

**Road, Bridge and Ferry Naming Committee** – Committee Chair Fox provided a summary of the committee's meeting topics that included the committee approving three bridge naming and one highway honorary designation requests to bring forward to the full board in August. The Dr. Patricia Johnson Highway, Claud "Paw" Messer Highway, and Commissioner Jonathan Robinson Bridge. Kevin Lacy also provided an updated on the NCDOT Public Art Policy Recommendations.

**Finance Committee** – Committee Chair Lathrop provided a summary of the committee's meeting topics that included the Financial and Spend Plan Update, SFY22/SFY23 Spend Plan and the STIP Program.

Kim Padfield gave the Financial and Spend Plan Update. She shared the GARVEE issuance planned for close in September (\$300M sale with Council of State on August 3rd). Planning for \$300M Build NC issuance in October pending legislative change (Senate Bill 105 does include a cash balance exception for FY22 only). The department received confidential draft of Spend Plan Development and Monitoring Audit. \$95M cash transfer was made from HF to Trust Fund. During SFY 21 through May \$300M has been transferred. The closing cash balance for May was \$1.98B. The Spend Plan Revenues through May were very close to projections and Spend Plan Expenditures were 88% of Spend Plan projections to date and 77% of the yearly spend plan with one month to report. Revenues have paced expenditures during the year and during May those amounts were closer. Advance Construction Amount and Unreimbursed Expenditures are within limits set in the Advance Construction Policy.

Michelle Overby provided updates on the SFY22/SFY23 Spend Plan. The Spend Plan presented during the June Board meeting was based on the Governor's Recommended Budget. After conversations with OSBM, a change was made to the proposed Spend Plan to base it on the continuation budget. This change results in no Build NC Bond Proceeds included in the Spend Plan, a reduction in Operations and Maintenance (Continuation Budget is \$73M less than Governor's Budget), and a reduction in several Modal Divisions. Spend Plan Stat Revenue is based on the February 2021 Consensus Revenue Forecast and Federal Revenue is being held constant at the current year funding level. In July the Department is required to transfer an additional \$61M to the Emergency Reserve Fund to meet the \$125M requirement set out in legislation.

Joey Hopkins and Leigh Wing presented updates to the STIP Program. Mr. Hopkins shared the department's project cost increases received Sept 2019 – June 2020, along with reduced revenues and cash issues, were largely responsible for the Summer 2020 STIP Reprogramming. NCDOT Staff Workgroup reviewed cost estimation process and made recommendations for improvements. They found deficiencies in the cost estimation tools, frequency of performing estimates, distribution, and lack of data repository. Their goal was to create a consistent process, ensure estimates are updated on a regular basis, properly distributed and creation of single data repository. Key Activities Underway include all cost

estimates are based on Express Designs, All Cost Estimates will be updated at a minimum of every 2 years, ensure appropriate contingencies, creating a cost estimate application for storing and distribution, and Value Engineering/Value Assessments. The department has reviewed 39 projects that have been flagged for STICR. In Summer 2020, NCDOT staff reviewed all STIP highway cost estimates and made recommendations on which projects needed updated estimates. There are 450+ project estimates being updated and should be complete by Summer 2021. Division Engineers are approving all verified cost memos. Presented the available funding based on the next STIP timeframe – 2024-2033. Asked for Board Considerations and input into how to handle inflation for future STIP programs, the STI Prioritization Workgroup, STICR guidelines.

**EDIR Committee** – Committee Vice Chair Rosenburgh provided a summary of the committee's meeting topics that included a presentation on Enviva/Ports by Chris Brown, Enviva Mid-Atlantic Community Relations Manager.

**DMV Committee** – Committee Vice Chair Mitchell provided a summary of the committee's meeting topics that included a presentation on Virtual Training by Lethia Williams, Lead Trainer. Charlotte Boyd-Malette, Director of Driver Services provided an updated presentation on the DMV Peak Season details. Michelle Edelen, Director of Customer Compliance provided an overview of the Back Office Modernization.

**Highways Committee** – Committee Vice Chair Cody provided a summary of the committee's meeting topics that included a presentation on AAMVA Driverless Vehicle Guidance and Personal Delivery Devices, by Mr. Kevin Lacy, PE, State Traffic Engineer, NCDOT Transportation Mobility & Safety Division. Dr. Joe Hummer, PE, State Traffic Management Engineer, NCDOT Transportation Mobility & Safety Division provided a presentation on Looking Ahead to Automated Vehicles on NC Highways.

**Multi-Modal Committee** – Committee Chair Moran provided a summary of the committee's meeting topics that included a verbal overview on the Funding items and Multimodal updates. A presentation on Dredging and Shoaling provided by Jed Dixon Ferry Division Deputy Director. A presentation on Vessel Electrification was provided by Jed Dixon Ferry Division Deputy Director.

## **Other Business**

Chairman Fox reminded members of the next Board meeting is scheduled for August 4-5, 2021.

Chairman Fox shared the August meeting is scheduled to occur in the Highway Building at NCDOT.

Chairman Fox shared the Board would be traveling in October and if any Board member would like to host, please give me a call to discuss.

**Adjournment**

There being no further business of the Board, Chairman Fox accepted a motion from Board Member Overholt, seconded by Board Member Moran to adjourn the meeting.

Chairman Fox stated the motion passed.

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Chairman Fox

North Carolina Board of Transportation

Attest: \_\_\_\_\_

Secretary to the Board of Transportation

Dated this day \_\_\_\_\_ July 2021.



## **NORTH CAROLINA**

Department of Transportation



# Financial and Spend Plan Update

As of May 2021

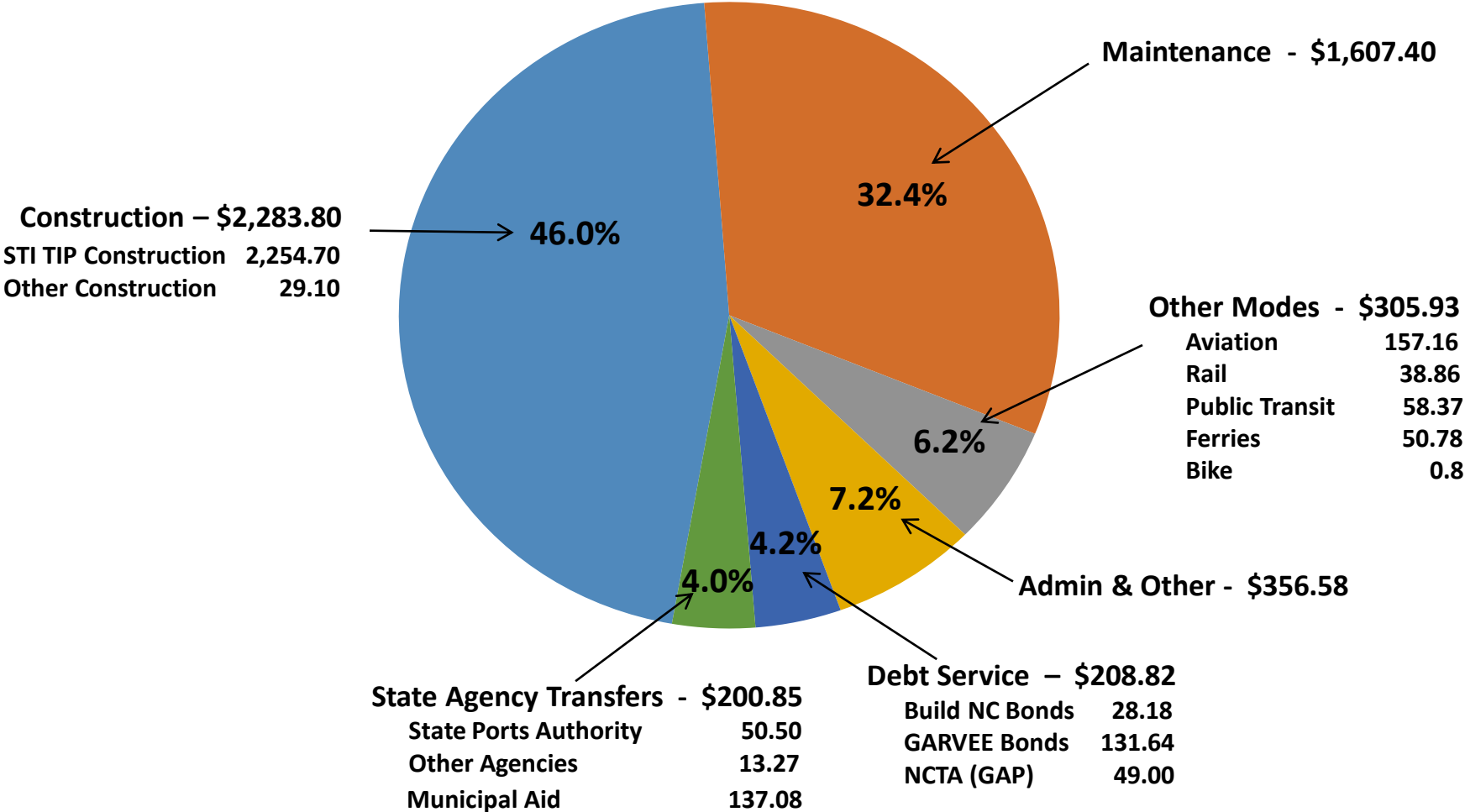
Stephanie King, Chief Financial Officer

June 30, 2021

# Uses of 2020-21 NCDOT Appropriations\*

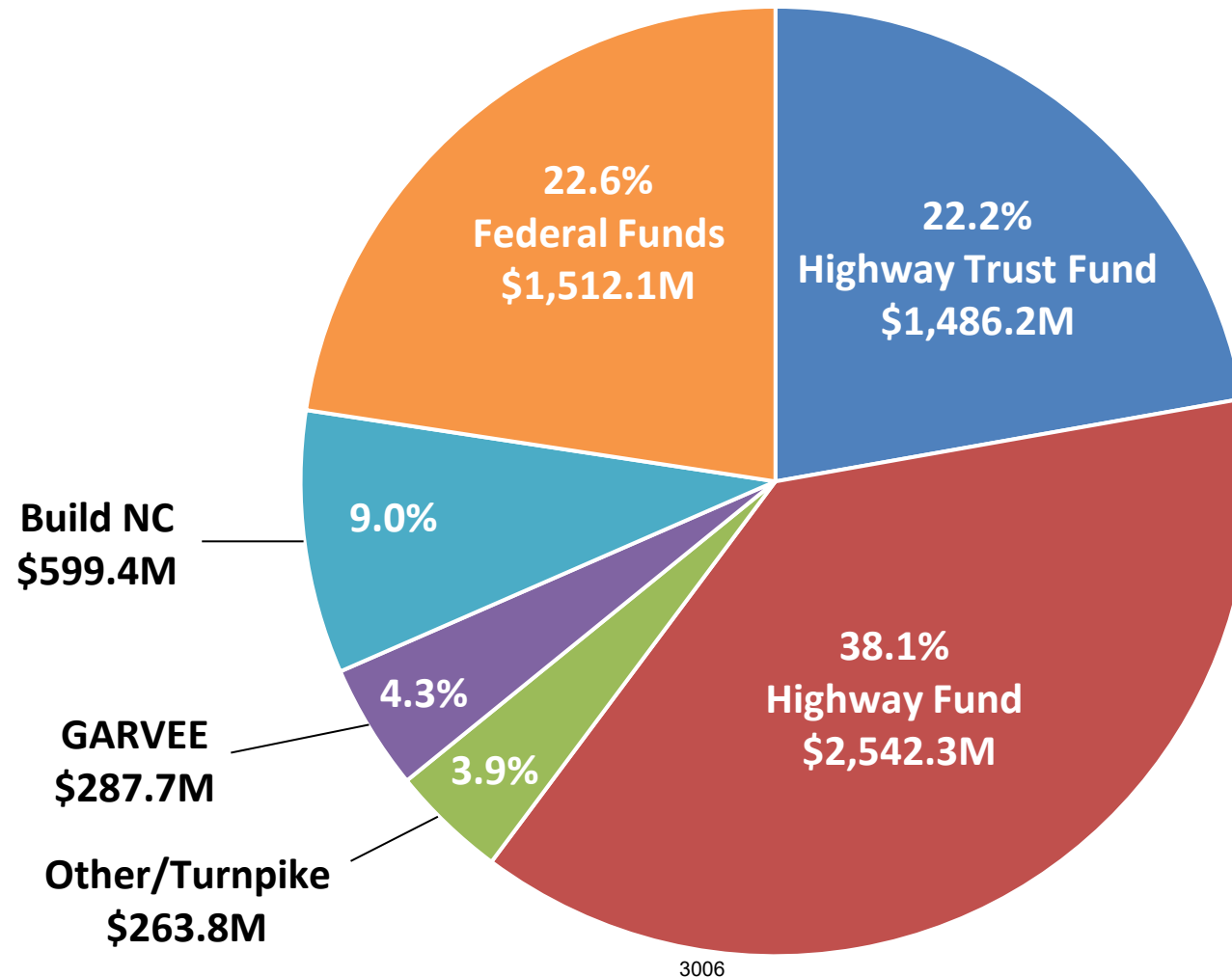
## Total Funding = \$4.96 Billion

(Excludes Receipt Supported Funding of \$0.2B)



(\$ in millions)

## NCDOT Sources of Cash – Spend Plan Amendment #2 2020-21 by Major Funding Source, Total Funding = \$6.69 Billion



(\$ in millions)

# Financial Analysis

- **HF Cash** – Cash balance increased from \$102.1 million in May 2020 to \$1,266.2 million in May 2021. An increase of \$1,164.2 million or 1,140.4%. This increase in cash was primarily due to increased motor fuel tax and license & fees revenues for the Highway Fund combined with decreased expenditures.
- **HF Revenues** – Revenues increased from \$123.9 million in May 2020 to \$210.8 million in May 2021. An increase of \$86.8 million or 70.1%. This increase was primarily due to a \$75.8 million increase in motor fuel tax revenues and a \$11.4 million increase in license & fee revenues in May 2021 compared to May 2020. This is due to pandemic impacts in 2020 and the change in motor fuel tax revenue distribution percentages between the HF and HTF.
- **HF** May 2021 YTD revenues were greater than May 2020 YTD revenues by \$356.4 million, and May 2021 YTD expenses were less than May YTD 2020 expenses by \$804.8 million.
- **HTF Cash** – Cash balance increased from \$170.1 million in May 2020 to \$710.3 million in May 2021. An increase of \$540.2 million or 317.5%. This increase in cash was primarily due to continued decreased expenditures and repayment of the advance from Highway Fund.
- **HTF Revenues** – Revenues increased from \$100.7 million in May 2020 to \$136.2 million in May 2021. An increase of \$35.6 million or 35.3%. This increase was due to a \$27.4 million increase in highway use tax revenue, a \$5.2 million increase in motor fuel tax revenue, and a \$3.1 million increase in fees revenue in May 2021 compared to May 2020.
- **HTF** May 2021 YTD revenues were lower than May 2020 YTD revenues by \$12.0 million, but May 2021 YTD expenses were less than May YTD 2020 expenses by \$203.0 million.

## Key monthly action:

- On May 4, 2021, a \$95 million transfer was made from the Highway Fund to the Highway Trust Fund to repay the advance made on August 9, 2018, for \$45M and the advance made on August 17, 2018, for \$50M made in accordance with N.C.G.S § 147-86.15. The grand total transferred during SFY 2021 through May was \$300 million. The outstanding balance of the advance after this payment was \$690.3 million.



# Spend Plan Analysis - Revenue

Total Revenues (\$6,173 million) were 0.3% above the spend plan forecast, or \$22 million, but were 18%, or \$953 million, more than year to date revenues for SFY 2020.

- State Revenue (\$3,752 million) was 3%, or \$47 million, above forecasted revenue.
- Federal Revenue (\$1,318) was 0.3%, or \$3.75 million, above the forecasted amount.
- Other Revenue (\$172 million) was 16%, or \$34 million, below spend plan forecast. Major line items that have contributed to this shortfall include Federal Transit funding (received \$23.9 million or \$8.2 million less than forecast), Rail FRA funding (received \$0.5 million or \$47 million less than forecast), Federal Transit CARES Act funding (received \$34.8 million or \$73.2 million less than forecast), and Federal Aviation funding (received \$16.4 million or \$47.8 million less than forecast). Major line items that have covered some of this shortfall include Damage Claims (\$53.6 million), GHSP (\$12 million), Local & Property Owner Participation (\$22 million), and LOGO Annual Fees (\$4.7 million).
- GARVEE Reimbursement (\$286 million) was 8.8%, or \$22.8 million, above spend plan forecast.
- Build NC Reimbursement (\$560.8 million) was 0.7%, or \$3.8 million, below spend plan forecast. The Department has received \$416.7 million of 2020 Build NC reimbursements from the trustee through May.

# Spend Plan Analysis - Expenditures

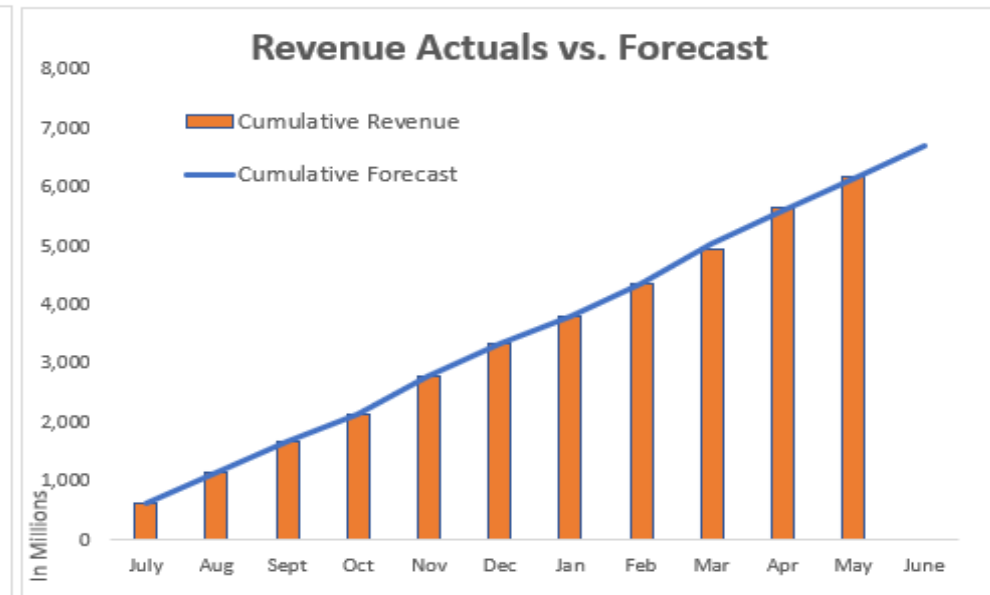
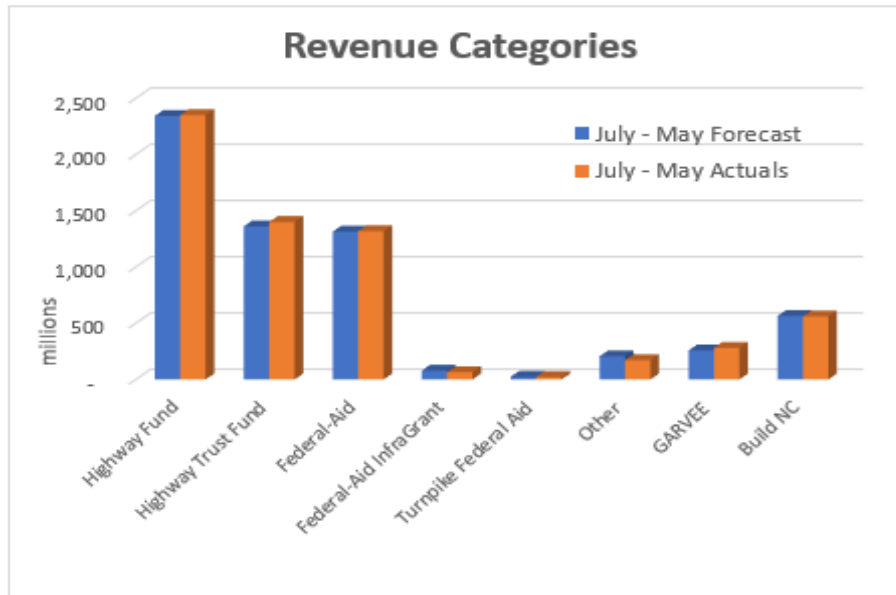
Total Expenditures (\$4,513 million) were 12%, or \$601 million, below the spend plan forecast and 18%, or \$976 million, below the previous year totals. This is a result of the slow down implemented during Spring 2020 and the lag time in reinitiating project phases.

- Total Construction Expenditures (\$2,686 million) were 11%, or \$317 million, below spend plan forecast. SFY 2021 expenditures were 20%, or \$653 million, less than SFY 2020 construction expenditures. ROW expenditures through May totaled \$338 million, or 76% of the \$444 million yearly spend plan. Utilities expenditures through May totaled \$83.1 million, or 62% of the \$134 million yearly spend plan.
- Maintenance Expenditures year to date (\$964 million) were 16% below the spend plan forecast, or \$178 million. SFY 2021 expenditures were 25%, or \$328 million, less than SFY 2020 maintenance expenditures.
- Total Modal Expenditures (\$248 million) were 21%, or \$68 million, below the spend plan forecast, but were 23% , or \$65 million, more than the previous SFY.

# Spend Plan Revenue Summary May 2021 (in millions)

Revenue	May 2021	May 2020	2020-2021 Actual Revenue	2019-2020 Actual Revenue	\$ Δ	% Δ	2020-2021 Spend Plan Revenue Forecast*	%	2020-2021 Spend Plan Revenue Forecast* To Date	%
Highway Fund	211.1	123.8	2,351.5	1,989.0	362.6	18%	2,542.3	92%	2,342.9	100%
Highway Trust Fund	136.2	100.7	1,400.5	1,412.5	(12.0)	-1%	1,486.2	94%	1,361.6	103%
FHWA Federal Aid	110.7	135.5	1,318.4	1,356.6	(38.3)	-3%	1,430.3	92%	1,314.6	100%
Federal Aid - InfraGrant	6.2	-	65.0	-	65.0		81.9	79%	78.7	83%
Turnpike Federal Aid	0.1	0.0	23.3	2.1	21.2	1015%	24.2	96%	24.2	96%
Other	10.8	14.2	172.4	132.7	39.7	30%	239.6	72%	206.2	84%
GARVEE	8.0	20.2	286.0	155.3	130.7	84%	287.7	99%	258.4	111%
Build NC	39.9	31.5	560.8	176.1	384.7	218%	599.4	94%	564.7	99%
<b>Total Revenue</b>	<b>\$523.1</b>	<b>\$425.9</b>	<b>\$6,177.8</b>	<b>\$5,224.3</b>	<b>\$953.5</b>	<b>18%</b>	<b>\$6,691.5</b>	<b>92%</b>	<b>\$6,151.3</b>	<b>100%</b>

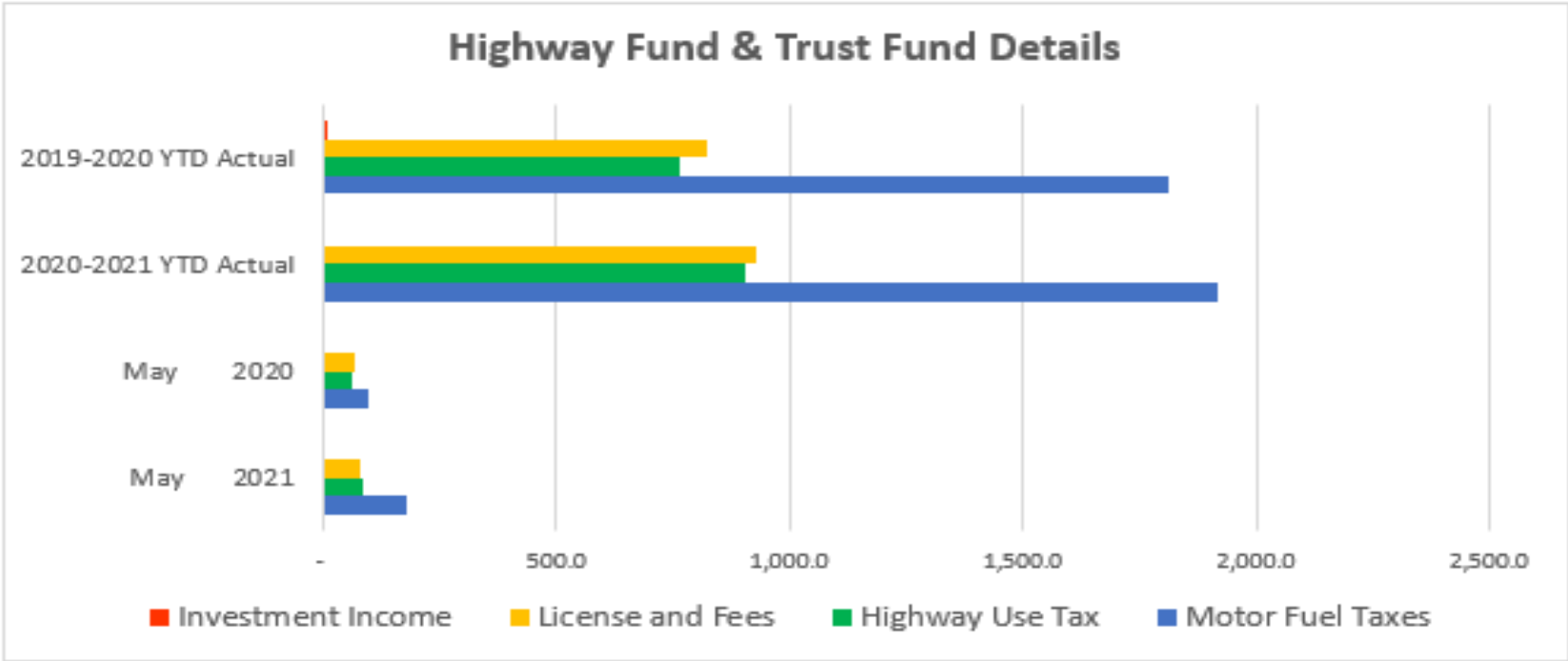
\* Revised Revenue Forecast for the 3/4/21 Approved Spend Plan



# Highway Fund & Trust Fund Details May 2021

(in millions)

Highway Fund & Trust Fund Details	May 2021	May 2020	Year Over Year			
			2020-2021 YTD Actual	2019-2020 YTD Actual	\$ Δ	% Δ
Motor Fuel Taxes	177.2	96.3	1,915.1	1,812.6	\$ 102.5	6%
Highway Use Tax	88.2	60.8	904.1	764.8	139.3	18%
License and Fees	81.3	66.8	929.4	821.4	107.9	13%
Investment Income	0.3	0.7	3.6	9.0	(5.4)	-60%
Total	\$ 347.0	\$ 224.6	\$ 3,752.1	\$ 3,407.8	\$ 344.4	10%



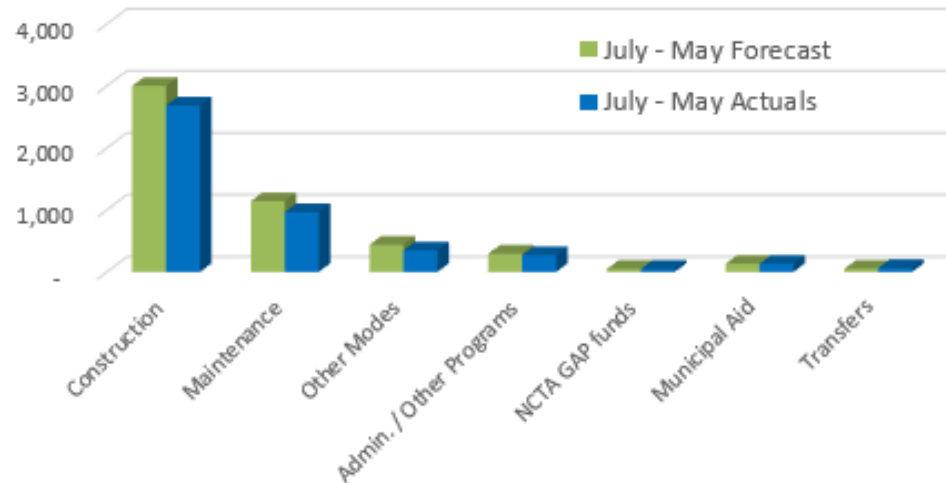
# Spend Plan Expenditure Summary May 2021 (in millions)

State & Federal Funded Programs:	May 2021	May 2020	2020-2021 Actual	2019-2020 Actual	\$ Δ	% Δ	2020-2021 Spend Plan**	%	2020-2021 Spend Plan** To Date	%
Construction	273.6	276.3	2,685.5	3,338.7	(\$653.2)	-20%	3,355.0	80%	3,002.3	89%
Maintenance (including FEMA)	135.0	87.1	963.5	1,291.9	(328.4)	-25%	1,338.0	72%	1,141.5	84%
Other Modes	25.0	28.5	348.4	283.8	64.6	23%	591.0	59%	440.2	79%
Administration/Other Programs	27.1	33.7	271.6	286.9	(15.2)	-5%	331.0	82%	296.4	92%
NCTA GAP funds / GO Debt Service	12.3	12.3	49.0	82.6	(33.6)	-41%	49.0	100%	49.0	100%
Municipal Aid	-	-	132.6	147.5	(14.9)	-10%	132.6	100%	132.6	100%
Transfers to Other Agencies	11.7	6.8	62.3	57.4	4.9	9%	67.5	92%	51.8	120%
<b>Total Expenditures*</b>	<b>\$484.7</b>	<b>\$444.6</b>	<b>\$4,512.9</b>	<b>\$5,488.7</b>	<b>\$ (975.8)</b>	<b>-18%</b>	<b>\$5,864.1</b>	<b>77%</b>	<b>\$5,113.8</b>	<b>88%</b>

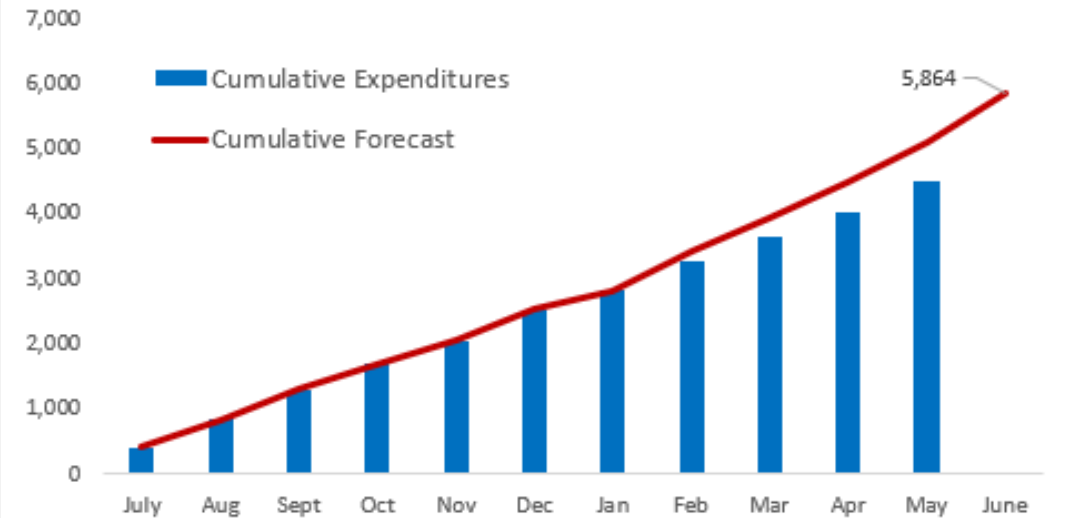
\*Excludes NCTA Expenditures

\*\* Spend Plan Approved on 3/4/2021

### Expenditures Categories



### Expenditure Actuals vs. Forecast

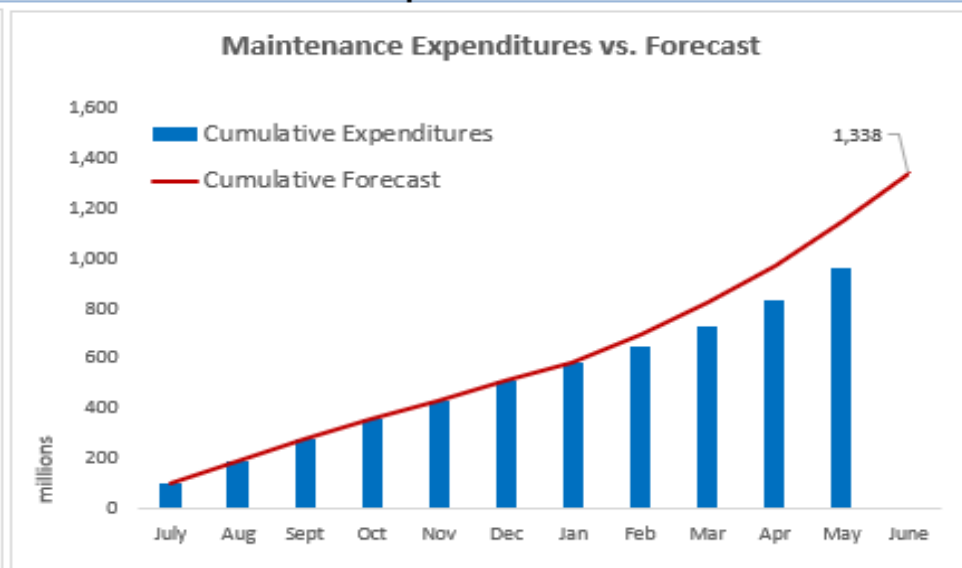
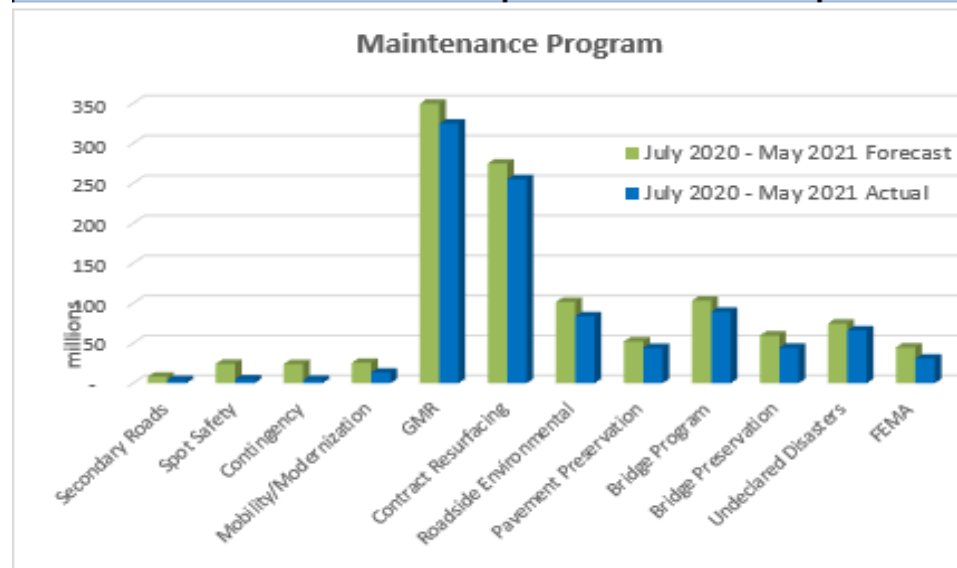




# Maintenance Program Expenditure Summary May 2021

(in millions)

	May 2021	May 2020	2020-2021 Actual	2019-2020 Actual	\$ Δ	% Δ	2020-2021 Spend Plan*	%	2020-2021 Spend Plan* To Date	%
Maintenance Programs:										
Secondary Roads	0.7	(0.03)	3.7	2.6	1.15	45%	10.0	37%	8.1	46%
Spot Safety Improve.	0.4	0.04	4.9	5.1	(0.23)	-5%	30.0	16%	24.2	20%
Contingency	0.6	0.57	4.0	6.8	(2.80)	-41%	30.0	13%	23.9	17%
Mobility/Modernization	1.6	0.70	13.2	25.8	(12.57)	-49%	30.0	44%	25.5	52%
GMR	24.8	17.83	324.5	346.8	(22.27)	-6%	401.3	81%	349.5	93%
Contract Resurfacing	49.6	37.86	255.0	442.7	(187.73)	-42%	326.0	78%	274.7	93%
Roadside Environmental	13.8	2.10	83.5	74.2	9.33	13%	120.0	70%	101.5	82%
Pavement Preservation	9.4	3.20	44.1	57.5	(13.32)	-23%	60.0	74%	52.1	85%
Bridge Program	8.7	14.86	89.4	206.6	(117.20)	-57%	117.0	76%	103.1	87%
Bridge Preservation	5.1	5.91	44.2	65.7	(21.46)	-33%	70.0	63%	59.6	74%
Undeclared Disasters	12.6	-	66.1	-	66.08		93.7	71%	74.5	89%
FEMA	7.6	4.11	30.8	58.2	(27.38)	-47%	50.0	62%	44.7	69%
Total Expenditures	135.04	87.13	963.50	1,291.91	(328.41)	-25%	1,338.00	72%	1,141.49	84%
							* Spend Plan Approved on 3/4/2020			

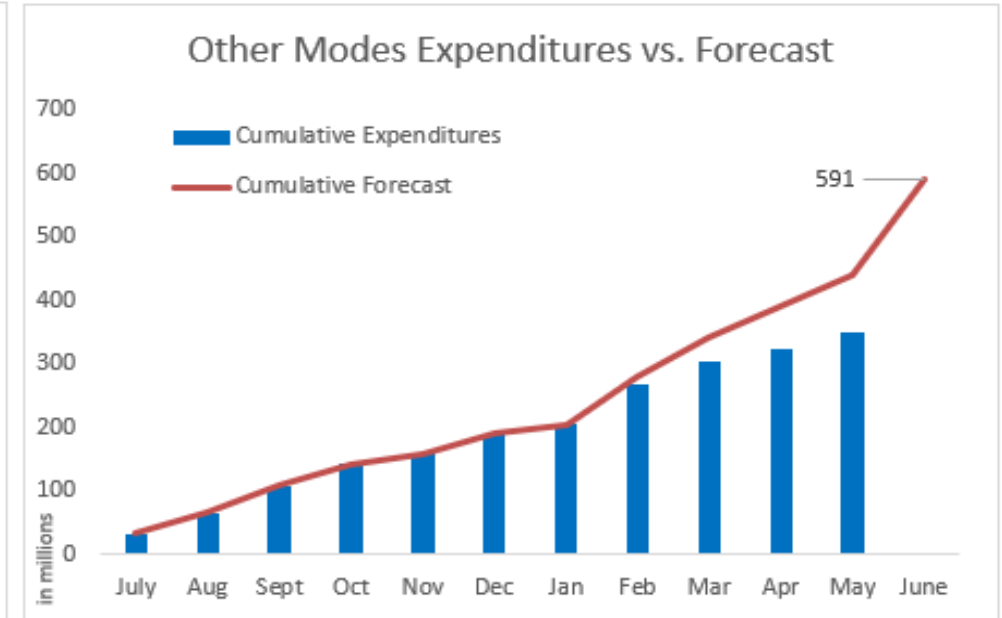
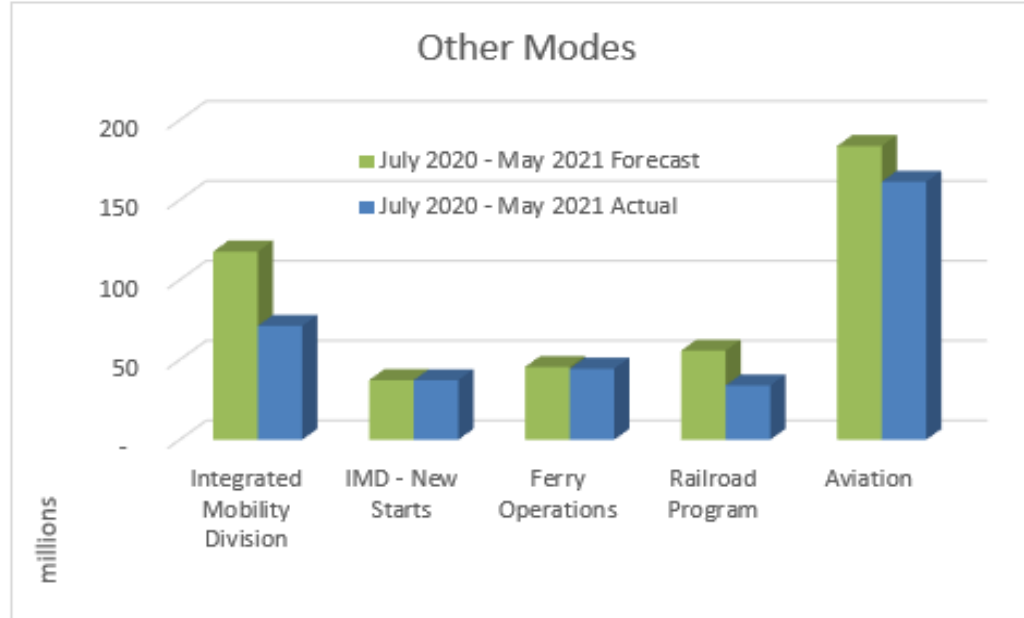


# Other Modes Expenditure Summary May 2021

(in millions)

Modal Expenditures	May 2021	May 2020	2020-2021 Actual Expenditure	2019-2020 Actual Expenditure	\$ Δ	% Δ	2020-2021 Spend Plan*	%	2020-2021 Spend Plan* To Date	%
Integrated Mobility Division	9.9	4.8	71.2	101.4	(30.2)	-30%	140.3	51%	117.7	60%
IMD - New Starts	-	-	37.3	-	37.3		37.3	100%	37.3	100%
Ferry Operations	4.1	3.7	44.5	51.5	(7.0)	-14%	58.5	76%	45.6	98%
Railroad Program	7.0	2.2	34.0	33.0	1.0	3%	111.0	31%	55.8	61%
Aviation	4.0	17.8	161.5	97.9	63.5	65%	244.0	66%	183.9	88%
<b>Total Modal Expenditure</b>	<b>\$25.0</b>	<b>\$28.5</b>	<b>\$348.4</b>	<b>\$283.8</b>	<b>\$64.6</b>	<b>23%</b>	<b>\$591.0</b>	<b>59%</b>	<b>\$440.2</b>	<b>79%</b>

\* Spend Plan Approved on 3/4/2021



# Financial Update

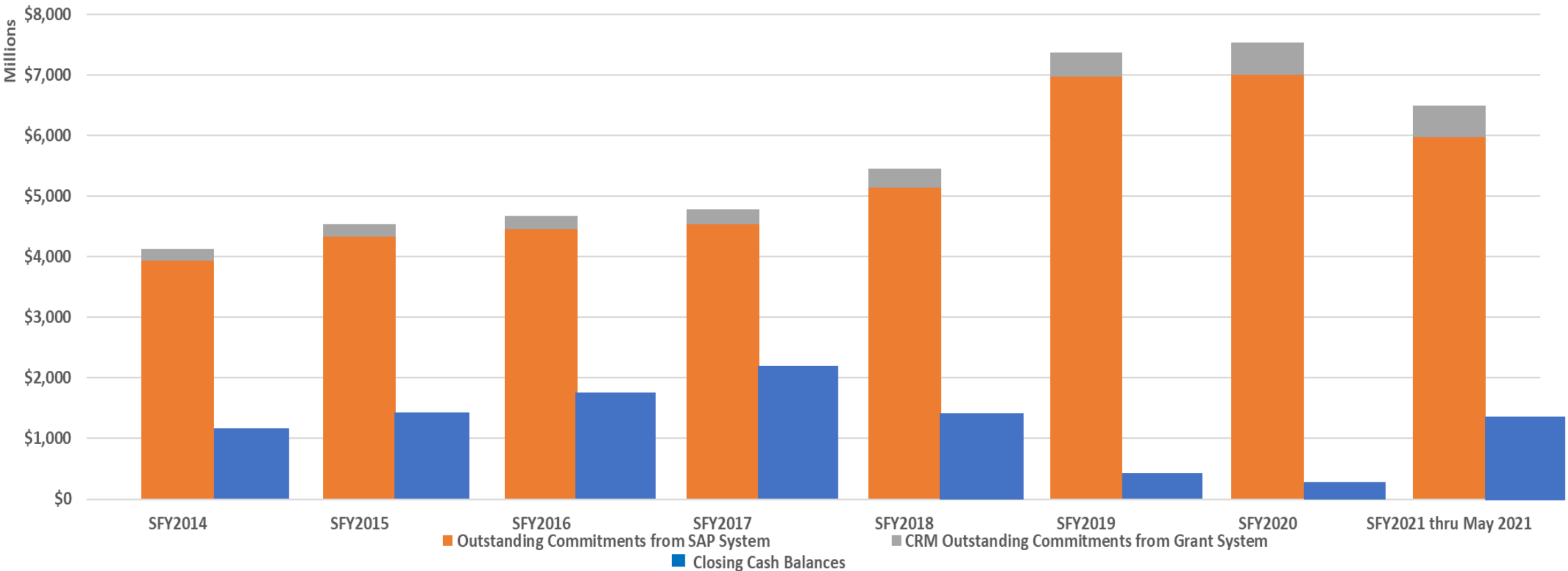
## SFYTD 2021 as compared SFYTD 2020 (\$ in millions)

	Month over Month		Year to Date		
	May 2021	May 2020	YTD 2021	YTD 2020	\$ Change
<u>Highway Fund &amp; Highway Trust Fund</u>					
Collections	\$ 523	\$ 426	\$ 6,178	\$ 5,224	\$ 954
Expenditures	<u>485</u>	<u>445</u>	<u>4,513</u>	<u>5,489</u>	<u>(976)</u>
Net Change	\$ 38	\$ (19)	\$ 1,665	\$ (264)	\$ 1,929
Cash Balances:			May 2021	May 2020	
Highway Trust Fund			\$ 710	\$ 170	
Highway Fund*			<u>1,266</u>	<u>102</u>	
Totals			<u>\$ 1,977</u>	<u>\$ 272</u>	

\*Excludes bond proceeds held by Trustee



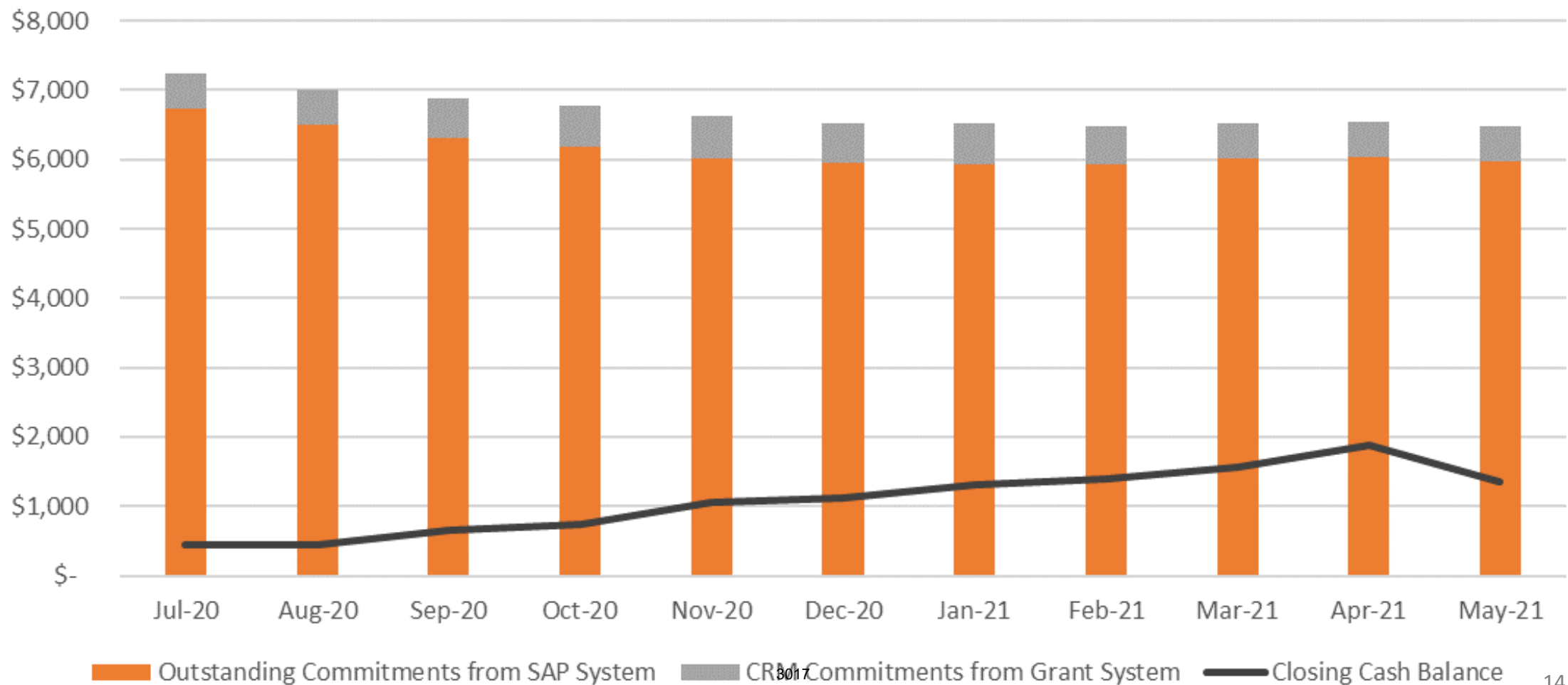
# NCDOT Outstanding Commitments & Closing Cash Balances by State Fiscal Year



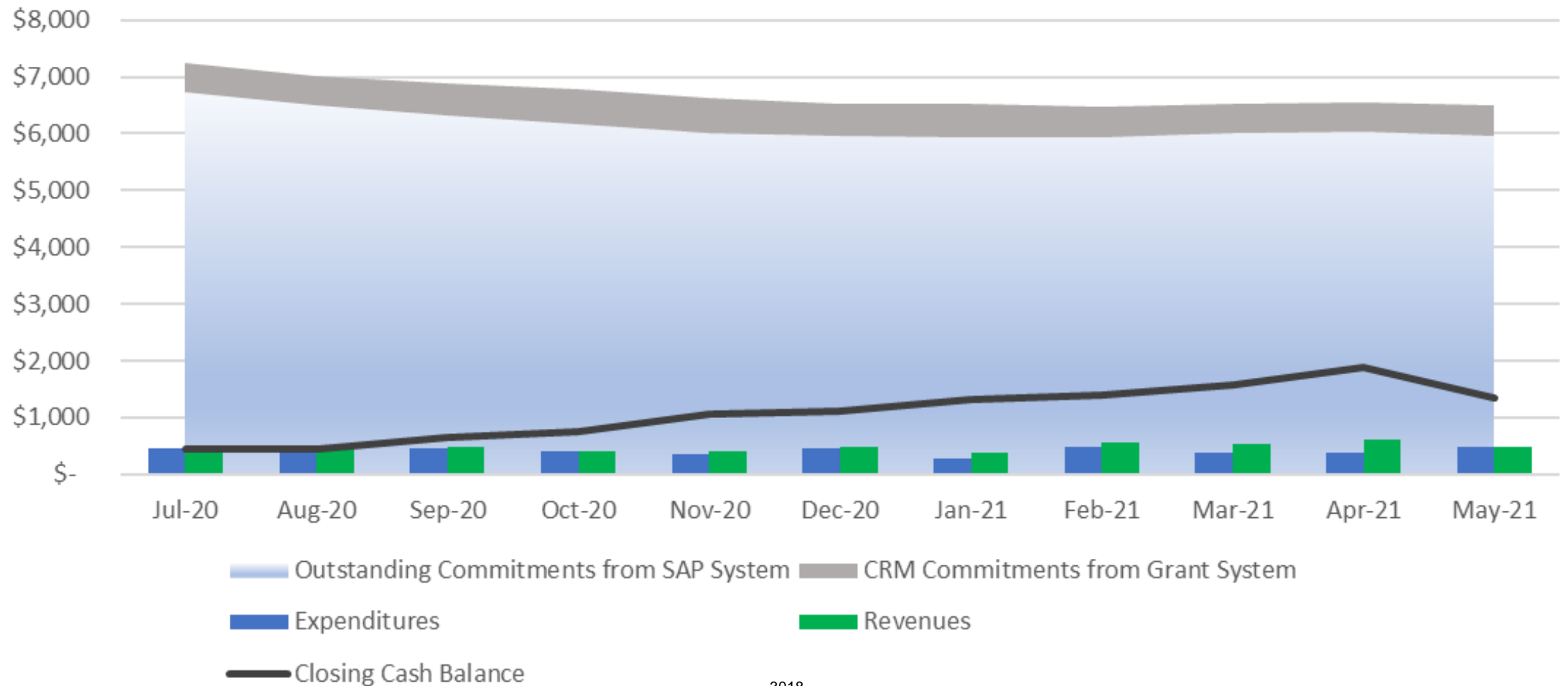
SFY 2021 Commitments  
Contract/Agreement Origination Dates

SFY2021 Through May 2021	18.24%
SFY2020	32.81%
SFY2019	32.30%
SFY2018	8.82%
SFY2017 & Prior Years	7.82%

## NCDOT Outstanding Commitments & Closing Cash Balances by Month



## NCDOT Outstanding Commitments & Closing Cash Balances by Month



# Cash Reporting

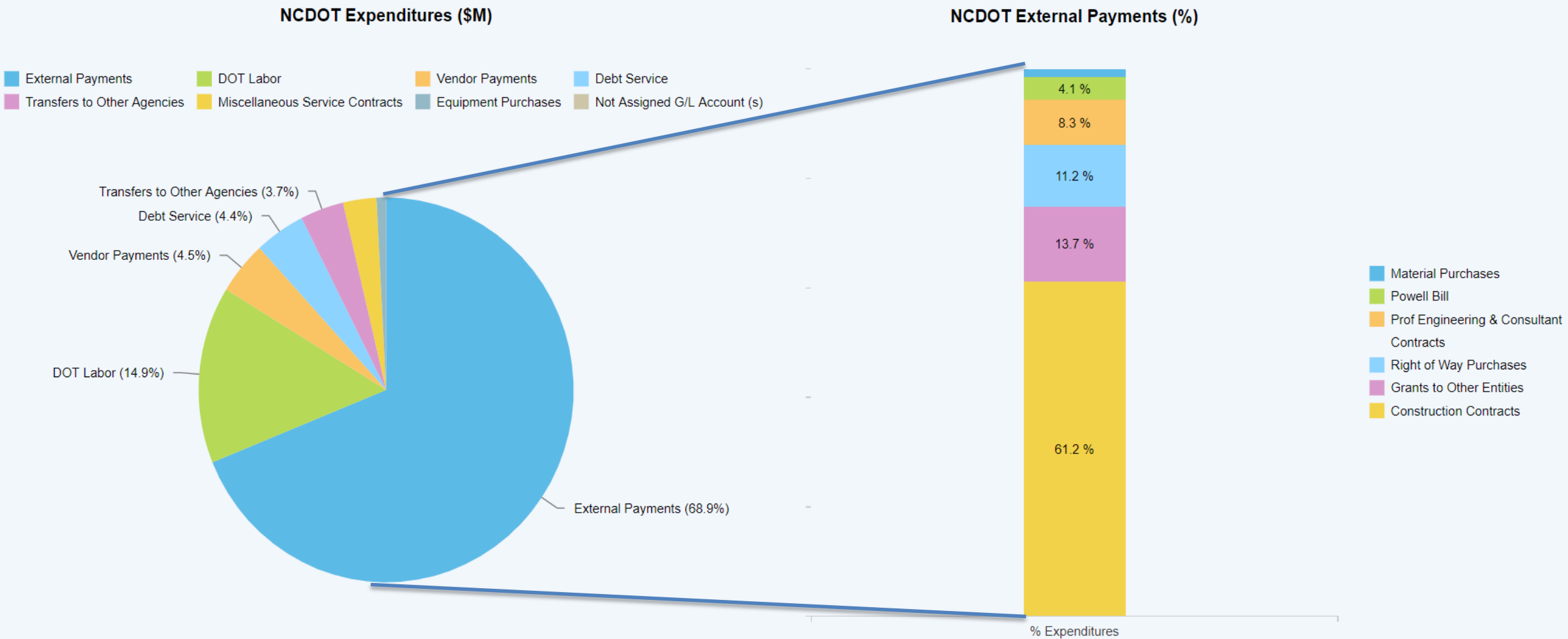
## Joint Legislative Transportation Oversight Committee

### May 2021 – Reporting Required

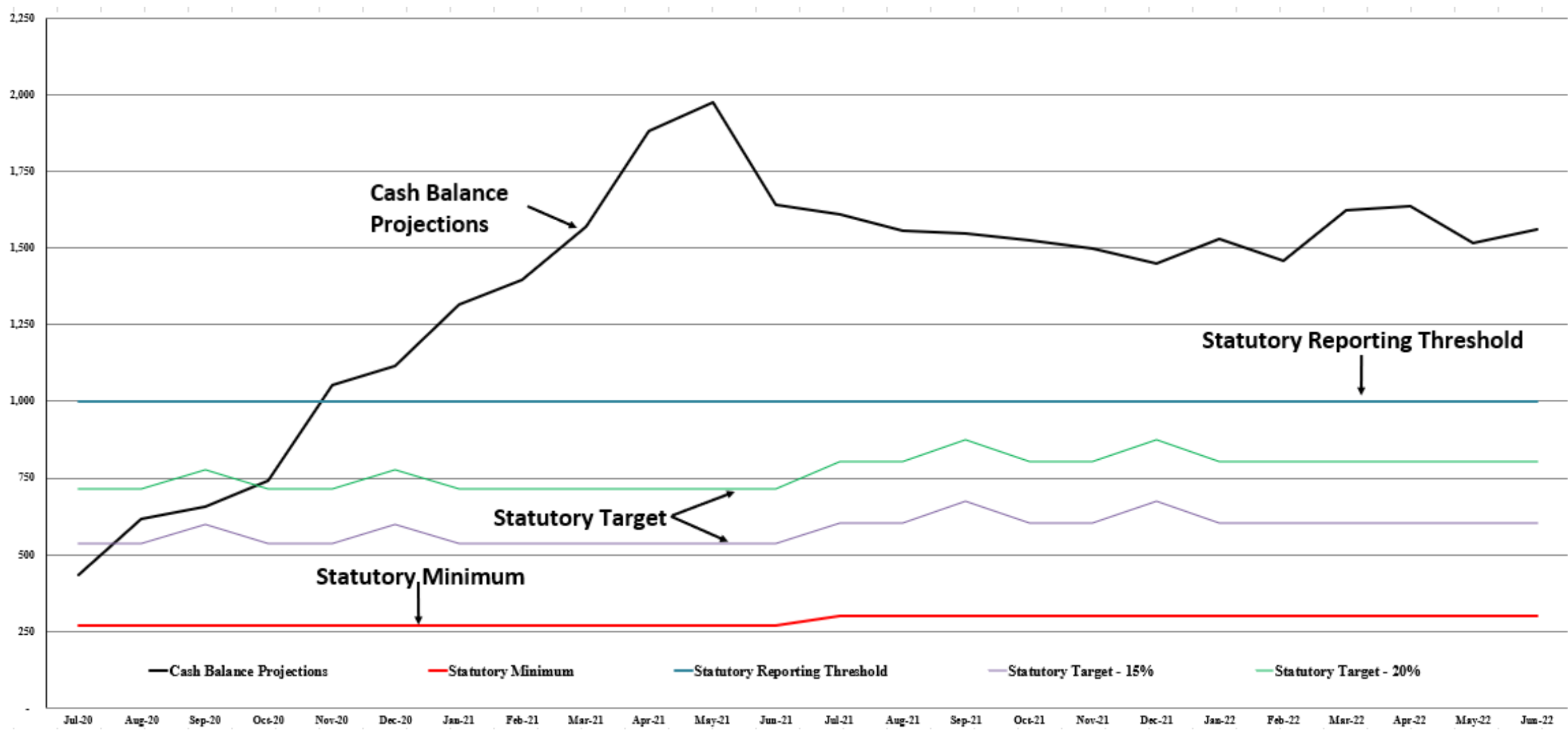
- N.C.G.S 143C-6-11(m) requires DOT to report each month when the department's combined average daily cash balance for the month is outside of the statutory target range.
- For May 2021, the **average daily cash balance** of the Highway Fund and the Highway Trust Fund was \$1.78 billion.
- The cash target amounts representing 15% and 20% of the total appropriations for the current fiscal year are \$535 million and \$713 million, respectively.
- The closing cash balance for May was \$1.98 billion which is above the target range and above the minimum cash balance requirement of \$267 million under N.C.G.S. 143C-6-11.

# NCDOT Expenditures

## SFY2021 as of May 31, 2021



# 24 Month Forecast





Certified Budget vs HB77 - Highway Fund Appropriations 2020-21		G.S. 136-44.2 (f1) (1-4)	G.S. 136-16.10					APPROVED 3/4/21						
	Certified 2021 Budget	SL 2019-251 Section 1.3 (e)	Credit Balance Legislation	FY20 Overdrafts Accounted By FY21 Approp Authority	State Carry Forward Authority	Federal Carry Forward	State Spend Plan	Federal Spend Plan	Total Spend Plan	State Total Spent thru 5/31/21	Federal Total Spent thru 5/31/21	Total Spent thru 5/31/21	Difference \$	Diff. %
									<i>*Includes Federal \$</i>					
DOT-General Administration	\$ 100,417,649			-	-	-	\$ 81,160,239		\$ 81,160,239	\$ 84,297,379		\$ 84,297,379	\$ 3,137,140	4%
Highway Division Administration	31,063,109			-	-	-	32,198,043		32,198,043	27,482,698		\$ 27,482,698	(4,715,345)	-15%
Total Admin	\$ 131,480,758			\$ -	\$ -	\$ -	\$ 113,358,282	\$ -	\$ 113,358,282	\$ 111,780,077	\$ -	\$ 111,780,077	\$ (1,578,205)	-1%
Construction Program														
State Secondary System	3,500,000		(3,551,188)	41,347	60,887,669	-	10,000,000		10,000,000	3,575,289		3,575,289	(6,424,711)	-64%
Spot Safety Improvements	12,100,000		-	684,489	32,831,835	-	30,000,000		30,000,000	4,870,302		4,870,302	(25,129,698)	-84%
Contingency Funds	12,000,000		(206,042)	1,993,993	40,834,385	-	30,000,000		30,000,000	4,029,949		4,029,949	(25,970,051)	-87%
Mobility Modernization	1,500,000		(805,685)	3,250,315	79,508,201	-	30,000,000		30,000,000	13,225,355		13,225,355	(16,774,645)	-56%
Total Construction Program	\$ 29,100,000		(4,562,915)	5,970,144	215,084,824	-	\$ 100,000,000	\$ -	\$ 100,000,000	\$ 25,700,895	\$ -	\$ 25,700,895	\$ (74,299,105)	-74%
Maintenance Program														
General Maintenance Reserve	517,382,234	43,731,212	(159,520)	92,864,148	57,863,938	-	545,000,000		545,000,000	421,390,676		421,390,676	(123,609,324)	-23%
Contract Resurfacing	558,674,899	(15,082,953)	(8,323,495)	51,200,639	264,861,435	-	326,000,000		326,000,000	254,995,026		254,995,026	(71,004,974)	-22%
Bridge Program	273,967,830	(8,152,492)	(50,771,568)	45,196,031	321,145,602	-	117,000,000		117,000,000	89,362,395		89,362,395	(27,637,606)	-24%
Bridge Preservation	69,899,551	(2,454,342)	(7,425,284)	39,979,697	26,489,476	-	70,000,000		70,000,000	44,234,840		44,234,840	(25,765,160)	-37%
Roadside Environmental	101,328,653	(3,020,761)	(5,921,160)	15,157,847	19,496,408	-	120,000,000		120,000,000	83,548,167		83,548,167	(36,451,833)	-30%
Pavement Preservation	85,358,348	(2,915,193)	(8,804,236)	10,645,386	80,811,830	-	60,000,000		60,000,000	44,143,246		44,143,246	(15,856,754)	-26%
Total Maintenance Program	\$ 1,606,611,515	\$ 12,105,471	(81,405,263)	255,043,747	770,668,688	-	\$ 1,238,000,000	\$ -	\$ 1,238,000,000	\$ 937,674,350	\$ -	\$ 937,674,350	\$ (300,325,650)	-24%
Ferry Operations	50,879,026	(1,367,724)		8,160,815	9,489,427	175,244	58,450,000		58,450,000	45,016,574	34,995	45,051,569	(13,398,431)	-23%
State Aid to Municipalities	137,079,699	(4,397,199)		-	461,641	-	132,682,500		132,682,500	132,618,463		132,618,463	(64,037)	0%
State Aid to Railroads	36,147,269	(1,190,144)	(269,822)	13,264	78,606,425	6,709,526	74,991,625	35,562,263	110,553,888	33,372,419	855,718	34,228,137	(76,325,750)	-69%
Integrated Mobility Division	18,200,464	(2,558,917)	(410,432)	2,816	74,661,763	80,634,929	55,940,177	120,898,274	176,838,451	45,500,401	63,049,764	108,550,165	(68,288,286)	-39%
Airports	132,264,528	(2,591,487)	(16,068,155)	6,076	155,566,183	33,413,351	199,084,810	45,000,000	244,084,810	142,305,809	19,944,750	162,250,559	(81,834,251)	-34%
Bike/Ped	761,549			5,824	1,079,342	7,975,429	761,549		761,549	534,616		534,616	(226,933)	-30%
OSHA Program	358,030			1,596	432,225	-	358,030		358,030	174,374		174,374	(183,656)	-51%
Governor's Highway Safety Program	267,914			-	399,293	35,489,001	267,914	13,532,086	13,800,000	296,853	12,082,320	12,379,173	(1,420,827)	-10%
Division of Motor Vehicles	142,602,058			-	-	-	135,000,000		135,000,000	110,968,669		110,968,669	(24,031,331)	-18%
Capital Improvements				2,350,945	36,126,405	-	4,500,000		4,500,000	3,389,810		3,389,810	(1,110,190)	-25%
Performance Energy Debt				-	-	-	-		-	379,414		379,414	379,414	
Non-System Streets				-	-	-	-		-	2,088,448		2,088,448	2,088,448	
MCSAP/DMV Grants	2,161,172			-	2,463,601	18,746,340	2,161,172		2,161,172	1,023,042	(316,240)	706,802	(1,454,370)	-67%
N.C.G.S 147-86.15 Cash Management												300,000,000		
Total Misc	520,721,709	(12,105,471)	(16,748,409)	10,541,336	359,286,306	183,143,820	664,197,777	214,992,623	879,190,400	517,668,890	95,651,308	913,320,198	\$ 34,129,798	4%

Certified Budget vs HB77 - Highway Fund Appropriations		G.S. 136-44.2 (f1) (1-4)	G.S. 136-16.10						APPROVED 3/4/21					
2020-21	Certified 2021 Budget	SL 2019-251 Section 1.3 (e)	Credit Balance Legislation	FY20 Overdrafts Accounted By FY21 Approp Authority	State Carry Forward Authority	Federal Carry Forward	State Spend Plan	Federal Spend Plan	Total Spend Plan	State Total Spent thru 5/31/21	Federal Total Spent thru 5/31/21	Total Spent thru 5/31/21	Difference \$	Diff. %
Transfers to Other State Agencies													-	
Agriculture	5,539,856			-	-	-	5,539,856		5,539,856	5,870,505		5,870,505	330,649	6%
Revenue	5,415,158			-	-	-	5,415,158		5,415,158	3,708,312		3,708,312	(1,706,846)	-32%
OSC-BEST	525,408			-	-	-	525,408		525,408	557,420		557,420	32,012	6%
State Ports Authority	5,500,000			-	-	-	5,500,000		5,500,000	5,500,000		5,500,000	-	0%
State Ethics Commission	56,816			-	-	-	56,816		56,816	51,040		51,040	(5,776)	-10%
OSBM-Oversight Manager										32,852		32,852		
DHHS - Chemical Test	581,675			-	-	-	581,675		581,675	581,675		581,675	-	0%
Total Transfers to Other State Agencies	\$ 17,618,913			-	-	-	\$ 17,618,913	\$ -	\$ 17,618,913	\$ 16,301,805	\$ -	\$ 16,301,805	\$ (1,317,108)	-7%
Reserves													-	
Minority Contractor Development	150,000			-	150,000	-	150,000		150,000				(150,000)	-100%
State Fire Protection Grant	158,000			-	-	-	158,000		158,000	158,000		158,000	-	0%
Stormwater Discharge Permit	500,000			-	2,334,427	-	500,000		500,000				(500,000)	-100%
Global Transpark	750,000			-	-	-	750,000		750,000	862,833		862,833	112,833	15%
Admin Reduction	(581,441)			-	-	-	(581,441)		(581,441)				581,441	-100%
Salary Adjustment Fund	832,422			-	-	-	832,422		832,422				(832,422)	-100%
Reserve for Call Center Consolidations	556,074			-	-	-	556,074		556,074				(556,074)	-100%
Reserve for Legislative Increase	11,034,210			-	-	-	11,034,210		11,034,210				(11,034,210)	-100%
Reserve for State Health Plan	3,411,891			-	-	-	3,411,891		3,411,891				(3,411,891)	-100%
Short Term Disability	171,184			-	-	-	171,184		171,184				(171,184)	-100%
Employer's Contribution to Retirement	10,884,765			-	-	-	10,884,765		10,884,765				(10,884,765)	-100%
Total Reserves	\$ 27,867,105			-	2,484,427	-	\$ 27,867,105	\$ -	\$ 27,867,105	\$ 35,371,783		\$ 35,371,783	\$ 7,504,678	27%
Total Current Operations	2,333,400,000			271,555,228	1,347,524,244	183,143,820	2,161,042,077	214,992,623	2,376,034,700	1,644,497,801	95,651,308	2,040,149,109	(335,885,591)	
Total Highway Fund Appropriation	\$ 2,333,400,000		\$ (102,716,587)	\$ 271,555,228	\$ 1,347,524,244	\$ 183,143,820	\$ 2,161,042,077	\$ 214,992,623	\$ 2,376,034,700	\$ 1,644,497,801	\$ 95,651,308	\$ 2,040,149,109	\$ (335,885,591)	



## Certified Budget vs HB77 -Highway Trust Fund Appropriation

2020-21

			G.S. 136-186 (f)											
	Certified 2021	SL 2019-251	Credit	FY20 Overdrafts	State	Federal				State	Federal			
	Budget	Section 1.3 (e)	Balance	Funded By	Carry	Carry	State	Federal	Total	Total Spent	Total Spent	Total Spent	Difference	Difference
			Legislation	FY21 Dollars	Forward	Forward	Spend Plan	Spend Plan	Spend Plan	thru 5/31/21	thru 5/31/21	thru 5/31/21	\$	%
Program Administration	\$ 35,626,560		(3,981,400)	-	3,981,400	-	\$ 35,626,560		35,626,560	30,482,204		\$ 30,482,204	\$ (5,144,356)	-14%
Bond Redemption	27,690,000			-	-	-	27,690,000		27,690,000	40,745,000		40,745,000	13,055,000	47%
Bond Interest	29,134,500			-	-	-	29,134,500		29,134,500	28,511,614		28,511,614	(622,886)	-2%
Turnpike Authority	49,000,000			-	15,000,000	-	49,000,000		49,000,000	49,000,000		49,000,000	-	0%
State Ports Authority	45,000,000			-	-	-	45,000,000		45,000,000	45,000,000		45,000,000	-	0%
FHWA State Match	4,640,000			-	-	-	4,640,000		4,640,000	64,025,398		64,025,398	59,385,398	1280%
Transfer to Visitor Center	400,000			-	-	-	400,000		400,000			-	(400,000)	-100%
Strategic Prioritization & Other Capital Programs	1,039,408,940		(51,260,348)	327,240,973	3,915,591,626	-	1,039,408,940	2,257,210,271	3,296,619,211	1,484,714,413	1,030,304,886	2,515,019,298	**** (781,599,913)	-24%
N.C.G.S 147-86.15 Cash Management												(300,000,000)		
<b>Total Trust Fund Appropriation</b>	<b>\$ 1,230,900,000</b>		<b>\$ (55,241,748)</b>	<b>\$ 327,240,973</b>	<b>\$3,930,591,626</b>	<b>\$ -</b>	<b>\$ 1,230,900,000</b>	<b>\$ 2,257,210,271</b>	<b>\$ 3,488,110,271</b>	<b>\$ 1,742,478,628</b>	<b>\$ 1,030,304,886</b>	<b>\$ 2,472,783,514</b>	<b>\$ (1,015,326,757)</b>	
	<b>\$ 3,564,300,000</b>		<b>\$ (157,958,335)</b>	<b>\$ 598,796,201</b>	<b>\$5,278,115,870</b>	<b>\$ 183,143,820</b>	<b>\$ 3,391,942,077</b>	<b>\$ 2,472,202,894</b>	<b>\$ 5,864,144,971</b>	<b>\$ 3,386,976,430</b>	<b>\$ 1,125,956,193</b>	<b>\$ 4,512,932,623</b>	<b>\$ (1,351,212,348)</b>	

\* Actuals for Secondary Construction from the Trust Fund are included

\*\* Actuals for Railroad Program from the Highway Trust Fund are included

\*\* Actuals for Capital Improvement from the Highway Trust Fund are included

\*\*\*\* Capital Program includes both the Highway Trust Fund and FHWA Funds in the Highway Fund

# Approved Spend Plan Versus Adjusted Spend Plan

	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	SFY 2021	Approved 3/4/21	
	1	2	3	4	5	6	7	8	9	10	11	12	Adjusted Workplan	SFY 2021 Work Plan	Delta
<b>OPENING CASH BALANCE</b>	\$ 266	\$ 434	\$ 617	\$ 656	\$ 743	\$ 1,053	\$ 1,114	\$ 1,316	\$ 1,399	\$ 1,568	\$ 1,880	\$ 1,977			
<b>REVENUES</b>															
State revenues	\$ 409	\$ 329	\$ 349	\$ 324	\$ 305	\$ 335	\$ 321	\$ 304	\$ 356	\$ 372	\$ 347	\$ 322	\$ 4,074	\$ 4,029	46
Federal aid	68	131	116	81	90	100	48	221	145	209	111	112	1,430	1,430	(0)
Federal aid - InfraGrant	0	5	9	5	0	23	4	1	7	4	6	3	68	82	(14)
Turnpike Federal Aid	1	0	0	0	0	3	20	(1)	0	0	0	-	23	24	(1)
Other	11	15	29	16	12	24	8	19	15	13	11	61	233	240	(6)
	489	481	503	426	408	484	401	543	522	599	475	498	5,829	5,804	25
<b>BOND PROCEEDS/GARVEE</b>	3	40	26	23	55	29	8	3	14	78	8	66	352	\$ 288	65
<b>BUILDNC REIMBURSEMENT FROM TRUSTEE</b>	144	-	-	-	200	43	40	28	33	33	40	42	603	599	4
<b>TOTAL REVENUES &amp; OTHER RECEIPTS</b>	\$ 636	\$ 521	\$ 529	\$ 448	\$ 663	\$ 556	\$ 450	\$ 574	\$ 569	\$ 710	\$ 523	\$ 607	\$ 6,785	\$ 6,692	93
<b>CONSTRUCTION EXPENDITURES</b>															
Garvee Expenditures	(32)	(35)	(31)	(31)	(77)	(41)	(16)	(22)	(12)	(107)	43	(64)	(426)	\$ (494)	68
Garvee Debt Service	-	(24)	-	-	0	-	(0)	(108)	-	-	-	-	(132)	(152)	20
Division of Mitigation Services (Formerly EEP)	(0)	(5)	(0)	(0)	(2)	(0)	(2)	(17)	1	26	(0)	(10)	(10)	(36)	26
BUILDNC Expenditures	(19)	(21)	(25)	(27)	(146)	(55)	(39)	(29)	(37)	(40)	(47)	(38)	(523)	(516)	(7)
BUILDNC Debt Service	-	-	-	-	(7)	-	-	-	-	-	(62)	-	(69)	(54)	(15)
Stateqic Transportation Initiative	(126)	(76)	(85)	(117)	30	(78)	(56)	(108)	(75)	(157)	(120)	(55)	(1,024)	(781)	(244)
NC Mobility Fund	0	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	-	(0)	-	0	0	(0)
TIP	(76)	(95)	(78)	(54)	(6)	(59)	(64)	(17)	(70)	70	(89)	(158)	(697)	(1,163)	466
TIP - Infragrant	(0)	(12)	(7)	(5)	(12)	(18)	(5)	(4)	(5)	(5)	(8)	(10)	(91)	(99)	8
Turnpike Authority	(1)	(1)	(0)	(1)	(1)	(1)	(1)	(1)	(0)	(1)	(0)	(0)	(8)	(7)	(2)
Internal Orders	3	(1)	3	(5)	(6)	1	1	2	(14)	(8)	10	(1)	(16)	(9)	(7)
Congestion Mitigation & Air Quality (CMAQ)	(3)	(3)	(3)	(5)	(2)	(2)	(2)	(3)	(2)	(2)	1	(7)	(32)	(46)	14
<b>Total Construction</b>	\$ (254)	\$ (274)	\$ (226)	\$ (247)	\$ (229)	\$ (253)	\$ (183)	\$ (307)	\$ (216)	\$ (224)	\$ (274)	\$ (342)	\$ (3,027)	(3,355)	328

# Approved Spend Plan Versus Adjusted Spend Plan

	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	SFY 2021	Approved 3/4/21	
<b>MAINTENANCE EXPENDITURES</b>															
Other Construction - Secondary Roads	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(1)	(1)	(1)	(6)	(10)	(10)	0
Other Construction - Spot Safety Improvements	(1)	(0)	(1)	(0)	(0)	(0)	(0)	(0)	(1)	(1)	(0)	(25)	(30)	(30)	0
Other Construction - Contingency	(0)	0	(1)	(0)	(0)	(0)	(0)	(1)	(1)	(0)	(1)	(26)	(30)	(30)	0
Other Construction - Mobility/Modernization	(1)	(1)	(3)	(1)	(1)	(2)	(1)	(1)	(1)	(1)	(2)	(17)	(30)	(30)	0
General Maintenance Reserve	(30)	(27)	(30)	(31)	(17)	(23)	(37)	(38)	(38)	(29)	(25)	(56)	(381)	(401)	21
Contract Resurfacing	(35)	(29)	(23)	(21)	(21)	(20)	(9)	(5)	(11)	(31)	(50)	(60)	(315)	(326)	11
Roadside Environmental	(7)	(7)	(7)	(7)	(7)	(7)	(5)	(5)	(9)	(10)	(14)	(28)	(111)	(120)	9
Pavement Preservation	(8)	(4)	(6)	(4)	(4)	(2)	(1)	(1)	(2)	(3)	(9)	(14)	(58)	(60)	2
Bridge Program	(12)	(10)	(9)	(7)	(8)	(11)	(5)	(6)	(6)	(7)	(9)	(20)	(109)	(117)	8
Bridge Preservation	(6)	(4)	(5)	(6)	(3)	(2)	(2)	(3)	(3)	(5)	(5)	(17)	(61)	(70)	9
Undeclared Disasters including Snow & Ice	-	-	-	(1)	(5)	(8)	(4)	(5)	(4)	(27)	(13)	(22)	(88)	(94)	5
Disaster Funding - FEMA	(2)	(5)	(3)	(5)	(6)	(5)	(4)	(5)	(6)	17	(8)	(15)	(46)	(50)	4
<b>Total Maintenance</b>	<b>\$ (103)</b>	<b>\$ (86)</b>	<b>\$ (88)</b>	<b>\$ (83)</b>	<b>\$ (73)</b>	<b>\$ (79)</b>	<b>\$ (68)</b>	<b>\$ (69)</b>	<b>\$ (81)</b>	<b>\$ (99)</b>	<b>\$ (135)</b>	<b>\$ (306)</b>	<b>\$ (1,270)</b>	<b>(1,338)</b>	<b>68</b>
<b>OTHER MODES</b>															
Public Transportation	\$ (9)	\$ (5)	\$ (4)	\$ (4)	\$ (6)	\$ (4)	\$ (5)	\$ (12)	\$ (6)	\$ (6)	\$ (10)	\$ (69)	\$ (140)	\$ (140)	0
Public Transportation-New Starts	-	-	-	-	-	-	-	(37)	-	-	-	-	(37)	(37)	0
Ferry Operations	(3)	(5)	(3)	(5)	(3)	(3)	(3)	(4)	(5)	(6)	(4)	(14)	(58)	(58)	(0)
Railroad program	(5)	(3)	(2)	(2)	(2)	(4)	(3)	(1)	(2)	(3)	(7)	(77)	(111)	(111)	(0)
Airports	(17)	(19)	(33)	(22)	(6)	(20)	(4)	(8)	(25)	(4)	(4)	(83)	(244)	(244)	(0)
<b>Total Other Modes</b>	<b>\$ (34)</b>	<b>\$ (32)</b>	<b>\$ (42)</b>	<b>\$ (34)</b>	<b>\$ (17)</b>	<b>\$ (32)</b>	<b>\$ (14)</b>	<b>\$ (62)</b>	<b>\$ (38)</b>	<b>\$ (18)</b>	<b>\$ (25)</b>	<b>\$ (243)</b>	<b>\$ (591)</b>	<b>(591)</b>	<b>(0)</b>
<b>OTHER EXPENDITURES</b>															
Administration	\$ (18)	\$ (23)	\$ (22)	\$ (26)	\$ (24)	\$ (22)	\$ (21)	\$ (22)	\$ (23)	\$ (26)	\$ (25)	\$ (32)	\$ (285)	\$ (309)	24
Transfers to Other State Agencies	(2)	(0)	(17)	(2)	(0)	(12)	(2)	(0)	(12)	(2)	(12)	(16)	(78)	(67)	(11)
Transfers to General Fund/NCTA/ER Fund	-	(12)	-	-	(12)	-	-	(12)	-	-	(12)	-	(49)	(49)	0
State aid to municipalities	-	-	(66)	-	(1)	(66)	-	-	-	-	-	-	(133)	(133)	0
Debt Service	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Other Programs	(1)	(3)	(2)	(2)	(3)	(1)	(1)	(2)	(1)	(1)	(2)	(3)	(21)	(22)	1
<b>Total Other Expenditures</b>	<b>\$ (21)</b>	<b>\$ (38)</b>	<b>\$ (107)</b>	<b>\$ (30)</b>	<b>\$ (40)</b>	<b>\$ (102)</b>	<b>\$ (25)</b>	<b>\$ (37)</b>	<b>\$ (35)</b>	<b>\$ (29)</b>	<b>\$ (51)</b>	<b>\$ (50)</b>	<b>\$ (566)</b>	<b>(580)</b>	<b>14</b>
<b>TOTAL EXPENDITURES</b>	<b>\$ (412)</b>	<b>\$ (430)</b>	<b>\$ (462)</b>	<b>\$ (394)</b>	<b>\$ (359)</b>	<b>\$ (465)</b>	<b>\$ (290)</b>	<b>\$ (475)</b>	<b>\$ (370)</b>	<b>\$ (370)</b>	<b>\$ (485)</b>	<b>\$ (941)</b>	<b>\$ (5,454)</b>	<b>\$ (5,864)</b>	<b>410</b>
<b>OTHER CHANGES IN CASH</b>															
<b>N.C.G.S 147-86.15 Cash Management</b>															
Highway Fund			(50)	(20)			(30)	(30)	(45)	(30)	(95)	(30)	(330)		
Highway Trust Fund			50	20			30	30	45	30	95	30	330		
<b>Total Cash Management Transfers</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>0</b>		
Working capital changes	\$ (55)	\$ 92	\$ (28)	\$ 32	\$ 6	\$ (29)	\$ 42	\$ (16)	\$ (29)	\$ (28)	\$ 58	\$ -			
	\$ (55)	\$ 92	\$ (28)	\$ 32	\$ 6	\$ (29)	\$ 42	\$ (16)	\$ (29)	\$ (28)	\$ 58	\$ -			
<b>NET CHANGE IN CASH</b>	<b>\$ 168</b>	<b>\$ 183</b>	<b>\$ 39</b>	<b>\$ 87</b>	<b>\$ 310</b>	<b>\$ 61</b>	<b>\$ 201</b>	<b>\$ 83</b>	<b>\$ 170</b>	<b>\$ 312</b>	<b>\$ 97</b>	<b>\$ (334)</b>			
<b>CLOSING CASH BALANCE</b>	<b>\$ 434</b>	<b>\$ 617</b>	<b>\$ 656</b>	<b>\$ 743</b>	<b>\$ 1,053</b>	<b>\$ 1,114</b>	<b>\$ 1,316</b>	<b>\$ 1,399</b>	<b>\$ 1,568</b>	<b>\$ 1,880</b>	<b>\$ 1,977</b>	<b>\$ 1,643</b>			

# Approved Spend Plan Versus Actuals July 2020 – May 2021

Source: FPG/Baseline Forecast/Carb Model SFY2021_Amendment 2_Appro	3/4/21 Approved Spend Plan Forecast						Actuals						% Δ	\$ Δ
	1st Qtr	2nd Qtr	3rd Qtr	Apr-21	May-21	YTD	1st Qtr	2nd Qtr	3rd Qtr	Apr-21	May-21	YTD	YTD	YTD
	SFY2021	SFY2021	SFY2021	10	11	SFY2021	SFY2021	SFY2021	SFY2021	10	11	SFY2021	SFY2021	SFY2021
<b>OPENING CASH BALANCE</b>	\$ 266	\$ 656	\$ 1,114	\$ 1,420	\$ 1,444		\$ 266	\$ 656	\$ 1,114	\$ 1,568	\$ 1,880			
<b>REVENUES</b>														
State revenues	1,087	965	979	341	334	3,705	1,087	965	981	372	347	3,752	1%	\$ 48
Federal aid	315	270	444	145	141	1,315	315	270	414	209	111	1,318	0%	4
Federal aid - InfraGrant	15	28	27	5	3	79	15	28	12	4	6	65	-17%	(14)
Turnpike Federal Aid	2	3	20			24	2	3	19	0	0	23	-4%	(1)
Other	55	52	64	19	17	206	55	52	42	13	11	172	-16%	(34)
	1,473	1,317	1,534	510	494	5,328	1,473	1,317	1,466	599	475	5,331	0%	3
<b>GARVEE REIMBURSEMENT FROM TRUSTEE</b>	69	107	40	20	22	258	69	107	24	78	8	286	11%	28
<b>BUILDNC REIMBURSEMENT FROM TRUSTEE</b>	144	243	106	33	38	565	144	243	101	33	40	561	-1%	(4)
<b>TOTAL REVENUES &amp; OTHER RECEIPTS</b>	\$ 1,686	\$ 1,667	\$ 1,680	\$ 563	\$ 555	\$ 6,151	\$ 1,686	\$ 1,667	\$ 1,592	\$ 710	\$ 523	\$ 6,178	0.43%	\$ 27
<b>CONSTRUCTION EXPENDITURES</b>														
Garvee Expenditures	(99)	(149)	(82)	(50)	(60)	(439)	(99)	(149)	(50)	(107)	43	(362)	-17%	77
Garvee Debt Service	(24)	0	(128)	-	-	(152)	(24)	0	(108)	-	-	(132)	-13%	20
Division of Mitigation Services (Formerly EEP)	(6)	(2)	(14)	(4)	-	(26)	(6)	(2)	(18)	26	(0)	0	-101%	26
BUILDNC Expenditures	(65)	(228)	(103)	(39)	(38)	(474)	(64)	(228)	(106)	(40)	(47)	(485)	2%	(11)
BUILDNC Debt Service	-	(7)	-	-	(48)	(54)	-	(7)	-	-	(62)	(69)		(15)
Strategic Transportation Initiative	(352)	(192)	(155)	(54)	(56)	(809)	(288)	(165)	(239)	(157)	(120)	(969)	20%	(160)
NC Mobility Fund	0	(0)	(0)	-	-	0	0	(0)	(0)	-	(0)	0	0%	(0)
TIP	(184)	(92)	(325)	(149)	(156)	(906)	(249)	(119)	(152)	70	(89)	(539)	-41%	367
TIP - Infragrant	(19)	(36)	(19)	(7)	(9)	(89)	(19)	(36)	(14)	(5)	(8)	(81)	-9%	8
Turnpike Authority	(2)	(3)	(1)	(0)	(0)	(7)	(2)	(3)	(2)	(1)	(0)	(8)	23%	(2)
Internal Orders	5	(11)	(1)	(1)	(1)	(8)	5	(11)	(11)	(8)	10	(15)	88%	(7)
CMAQ	(9)	(10)	(8)	(7)	(7)	(40)	(9)	(10)	(7)	(2)	1	(26)	-35%	14
<b>Total Construction</b>	\$ (754)	\$ (729)	\$ (836)	\$ (310)	\$ (374)	\$ (3,002)	\$ (754)	\$ (729)	\$ (706)	\$ (224)	\$ (274)	\$ (2,685)	-11%	\$ 317



# Approved Spend Plan Versus Actuals July – May 2021

Source: FPG/Baseline Forecast/Cash Model SFY2021\_Amendment 2\_Appro

	3/4/21 Approved Spend Plan Forecast						Actuals						% Δ	\$ Δ
	1st Qtr	2nd Qtr	3rd Qtr	Apr-21	May-21	YTD	1st Qtr	2nd Qtr	3rd Qtr	Apr-21	May-21	YTD	YTD	YTD
	SFY2021	SFY2021	SFY2021	10	11	SFY2021	SFY2021	SFY2021	SFY2021	10	11	SFY2021	SFY2021	SFY2021
<b>MAINTENANCE EXPENDITURES</b>														
Other Construction - Secondary Roads	(1)	(0)	(4)	(2)	(2)	(8)	(1)	(0)	(1)	(1)	(1)	(4)	-54%	\$ 4
Other Construction - Spot Safety Improvements	(2)	(1)	(11)	(5)	(5)	(24)	(2)	(1)	(1)	(1)	(0)	(5)	-80%	\$ 19
Other Construction - Contingency	(1)	(1)	(12)	(5)	(6)	(24)	(1)	(1)	(2)	(0)	(1)	(4)	-83%	\$ 20
Other Construction - Mobility/Modernization	(5)	(3)	(10)	(4)	(4)	(25)	(5)	(3)	(3)	(1)	(2)	(13)	-48%	\$ 12
General Maintenance Reserve	(87)	(72)	(113)	(37)	(42)	(350)	(87)	(71)	(112)	(29)	(25)	(325)	-7%	\$ 26
Contract Resurfacing	(87)	(62)	(35)	(37)	(53)	(275)	(87)	(62)	(25)	(31)	(50)	(255)	-7%	\$ 20
Roadside Environmental	(21)	(21)	(32)	(13)	(15)	(101)	(21)	(21)	(18)	(10)	(14)	(84)	-18%	\$ 18
Pavement Preservation	(18)	(10)	(12)	(6)	(6)	(52)	(18)	(10)	(4)	(3)	(9)	(44)	-15%	\$ 8
Bridge Program	(31)	(26)	(25)	(10)	(11)	(103)	(31)	(26)	(17)	(7)	(9)	(89)	-13%	\$ 14
Bridge Preservation	(15)	(11)	(17)	(7)	(8)	(60)	(15)	(11)	(8)	(5)	(5)	(44)	-26%	\$ 15
Undeclared Disaster Funding Including Snow and Ice	-	(13)	(32)	(14)	(16)	(74)	-	(13)	(13)	(27)	(13)	(66)	-10%	\$ 8
Disaster Funding - FEMA	(10)	(15)	(12)	(4)	(4)	(45)	(10)	(15)	(15)	17	(8)	(31)	-31%	\$ 14
Total Maintenance	\$ (277)	\$ (235)	\$ (315)	\$ (143)	\$ (172)	\$ (1,141)	\$ (277)	\$ (235)	\$ (218)	\$ (99)	\$ (135)	\$ (964)	-16%	\$ 178
<b>OTHER MODES</b>														
Public Transportation	(18)	(14)	(41)	(24)	(20)	(118)	(18)	(14)	(23)	(6)	(10)	(71)	-40%	\$ 47
Public Transportation - New Starts	-	-	(37)	-	-	(37)	-	0	(37)	-	-	(37)	0%	\$ 0
Ferry Operations	(11)	(12)	(13)	(5)	(5)	(46)	(11)	(12)	(12)	(6)	(4)	(44)	-2%	\$ 1
Railroad program	(10)	(8)	(20)	(9)	(8)	(56)	(10)	(8)	(6)	(3)	(7)	(34)	-39%	\$ 22
Airports	(69)	(48)	(37)	(14)	(15)	(184)	(69)	(48)	(36)	(4)	(4)	(161)	-12%	\$ 22
Total Other Modes	\$ (108)	\$ (83)	\$ (149)	\$ (51)	\$ (49)	\$ (440)	\$ (108)	\$ (83)	\$ (114)	\$ (18)	\$ (25)	\$ (348)	-21%	\$ 92
<b>OTHER EXPENDITURES</b>														
Administration	(63)	(73)	(82)	(33)	(27)	(277)	(63)	(73)	(66)	(26)	(25)	(253)	-9%	\$ 24
Transfers to Other State Agencies	(19)	(14)	(18)	-	-	(52)	(19)	(14)	(14)	(2)	(12)	(62)	20%	\$ (11)
Transfers to General Fund/NCTA - GAP Funds	(12)	(12)	(12)	-	(12)	(49)	(12)	(12)	(12)	-	(12)	(49)	0%	\$ -
State aid to municipalities	(66)	(67)	-	-	-	(133)	(66)	(67)	-	-	-	(133)	0%	\$ -
Debt Service	-	-	-	-	-	-	-	-	-	-	-	-	-	\$ -
Other Programs	(6)	(5)	(4)	(2)	(2)	(19)	(6)	(5)	(4)	(1)	(2)	(18)	-3%	\$ 1
Total Other Expenditures	\$ (166)	\$ (172)	\$ (116)	\$ (35)	\$ (41)	\$ (530)	\$ (166)	\$ (172)	\$ (97)	\$ (29)	\$ (51)	\$ (516)	-3%	\$ 14
<b>TOTAL EXPENDITURES</b>	\$ (1,305)	\$ (1,218)	\$ (1,417)	\$ (539)	\$ (635)	\$ (5,114)	\$ (1,305)	\$ (1,218)	\$ (1,135)	\$ (370)	\$ (485)	\$ (4,513)	-12%	\$ 601
<b>OTHER CHANGES IN CASH</b>														
Working capital changes	\$ 9	\$ 9	\$ 42			\$ 60	\$ 9	\$ 9	\$ (3)	\$ (28)	\$ 58	\$ 46	-24%	\$ (14)
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9	\$ 9	\$ (3)	\$ (28)	\$ 58	\$ 46		
<b>NET CHANGE IN CASH</b>	\$ 390	\$ 458	\$ 305	\$ 24	\$ (81)	\$ 1,097	\$ 390	\$ 458	\$ 454	\$ 312	\$ 97	\$ 1,711	56%	\$ 613
<b>CLOSING CASH BALANCE</b>	656	1,114	1,420	1,444	1,363		656	1,114	1,568	1,880	1,977			

# Spend Plan Variance

- GARVEE Expenditures, Build NC Expenditures, TIP and STI -10% Variance (-\$273M). Project lettings were delayed during budget restrictions.
- Division of Mitigation Services (Formerly EEP) -101% Variance (-\$26M) and Strategic Transportation Initiative (STI) 20% Variance (\$160M). Expenses related to 2019 Mitigation Services has been transferred to STI WBS elements. The process has changed based on a work group analysis.
- Internal Orders 88% (\$7M). Internal Orders are cost collectors for project surcharges. Majority of the expenditures are labor and equipment charges that have been transferred to WBS elements.

# Spend Plan Variance

- Maintenance and Operations -16% Variance (-\$178M). Spend Plan Amendment #2 issued a realignment of expected cash outflows for SFY 2021. Contract Resurfacing payouts have increased during the fourth quarter of SFY 2021 and are expected to increase into SFY 2022.
- Disaster Funding (FEMA) -31% Variance (-\$14M) and Undeclared Disasters -10% (-\$8M). Ideal scenario would be to experience actuals below established targets for the fiscal year. This would allow a potential redistribution of un-used spending authority for other maintenance needs across the state.

# Spend Plan Variance

- Integrated Mobility Division -40% Variance (-\$47M). 85% of the variance is due to underspend of federal funds. Factors that contributed to the variance include initial spending restrictions at the beginning of SFY 21 that resulted in grant delays, FTA delays in approval of 5307 and 5339 programs that have limited expenditures from these programs, and delays in vehicle replacement contracts due to a backlog in vehicle production. The FTA awarded IMD \$14M in CARES Act funding in April for Intercity Bus activities. Due to the delay in receiving the funding, most will not be expended by June 30<sup>th</sup> and will be expended in early SFY 2022. Also, IMD is partnering with SAS to develop a cash spend modeling tool which considers the obligation and spending trends of the grantees. This will allow IMD to predict cash spend with greater accuracy and adjust projections based on unforeseen challenges.



# Spend Plan Variance

- Railroad Program -39% (-\$22M). Due to previous spending restrictions and following federal and local project development timelines and priorities, federal project approval processes are lagging for the first half of SFY 21 and currently represent 85% of the variance. Federal funds have a minimal effect on cash as they are spent and reimbursed in a very short window. Many state funded projects, including FRRCSI projects, were previously put on hold due to lack of spending authority, but are now being advanced as quickly as possible. State funds represent 15% of the variance. The Rail Division anticipates state fund expenditures to increase as FRRCSI projects are reactivated and railroad partners are able to let material and construction contracts in the coming months.

# Actual Expenditures Compared to Spend Plan

	DESCRIPTION	SPEND PLAN AMEND. 2 3/4/21	Expenditures as of 5/31/21	% of SFY 2021 Approved Spend Plan
CONSTRUCTION	Garvee Expenditures	494.07	362.04	73%
	Garvee Debt Service	151.59	131.59	87%
	Division of Mitigation Services	35.75	(0.36)	-1%
	BUILDNC Expenditures	413.54	484.65	117%
	BUILDNC Debt Service	54.42	69.26	127%
	Strategic Transportation Initiative	882.75	969.27	110%
	NC Mobility Fund	(0.25)	(0.25)	100%
	TIP	1,162.58	538.91	46%
	TIP - Infragant	98.61	81.21	82%
	Turnpike Authority	6.75	8.17	121%
	Internal Orders	9.20	15.39	167%
	CMAQ	46.01	25.59	56%
	<b>Total Construction</b>	<b>3,355.02</b>	<b>2,685.46</b>	<b>80%</b>
MAINTENANCE & OPERATION	OC - Secondary Roads	10.00	3.70	37%
	OC - Spot Safety Improvements	30.00	4.87	16%
	OC - Contingency	30.00	4.03	13%
	OC - Mobility/Modernization	30.00	13.23	44%
	General Maintenance Reserve	401.30	324.51	81%
	Contract Resurfacing	326.00	255.00	78%
	Roadside Environmental	120.00	83.55	70%
	Pavement Preservation	60.00	44.14	74%
	Bridge Program	117.00	89.36	76%
	Bridge Preservation	70.00	44.23	63%
	Undeclared Disaster	93.70	66.08	71%
	Disaster Funding - FEMA	50.00	30.80	62%
	<b>Total Maintenance</b>	<b>1,338.00</b>	<b>963.50</b>	<b>72%</b>
MODES	IMD	140.32	71.21	51%
	IMD - New Starts	37.30	37.26	100%
	Ferry Operations	58.48	44.47	76%
	Railroad program	110.95	33.99	31%
	Airports	243.95	161.45	66%
	<b>Total Other Modes</b>	<b>591.00</b>	<b>348.38</b>	<b>59%</b>
ADMIN & OTHER	Administration	309.15	253.23	82%
	Transfers to Other State Agencies	67.46	62.32	92%
	Transfers to GF/NCTA - GAP Funds	49.00	49.00	100%
	State aid to municipalities	132.62	132.62	100%
	Debt Service	-	-	-
	Other Programs	21.89	18.41	84%
	<b>Total Other</b>	<b>580.13</b>	<b>515.58</b>	<b>89%</b>
<b>TOTAL</b>		<b>5,864.14</b>	<b>4,512.93</b>	<b>77%</b>

# Advance Construction

Funding Source	AC Amount - May 31, 2021	Allowable AC amount FY 2021***	Within Prescribed Limit?
National Highway Performance Program (NHPP)*	\$1,571,101,252	\$2,468,423,788	YES
Surface Transportation Block Grant (STBG)**	\$317,664,398	\$1,172,129,980	YES
Highway Safety Improvement Program (HSIP)	\$108,266,866	\$230,401,828	YES

\*Includes Interstate Maintenance, National Highway System Program balances

\*\*Includes bridge replacement balance

\*\*\* Allowable AC amount is 4 times FY 2021 apportionment

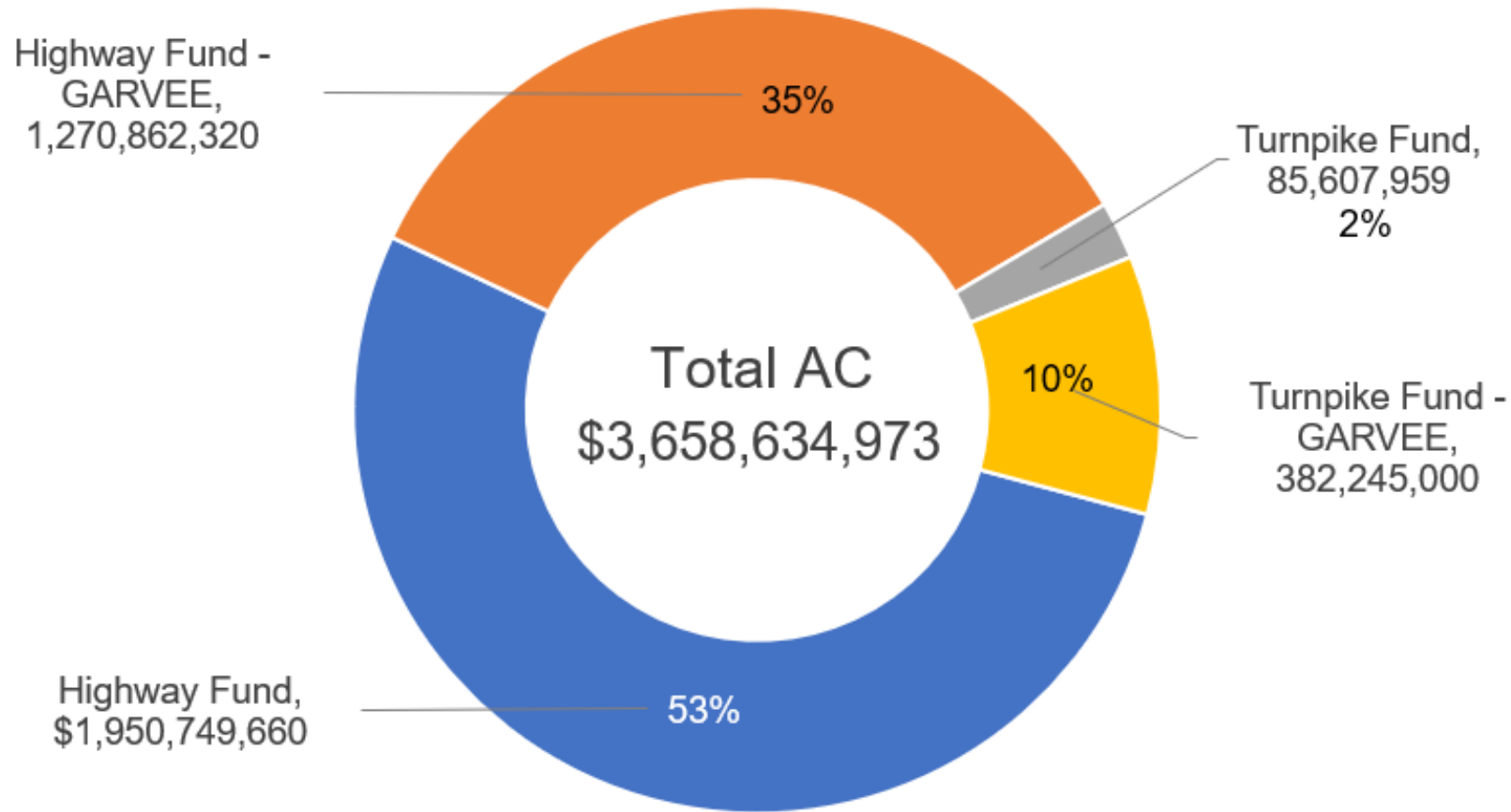
# Advance Construction

Funding Source	Unreimbursed Expenditures as of June 16, 2021	Apportionment in FY 2021	Within Prescribed Limit?
National Highway Performance Program (NHPP)*	\$266,712,444	\$617,105,947	YES
Surface Transportation Block Grant (STBG)**	\$50,668,781	\$293,032,495	YES
Highway Safety Improvement Program (HSIP)	\$41,459,075	\$57,600,457	YES

\*Includes Interstate Maintenance, National Highway System Program balances

\*\*Includes bridge replacement balance

# Advance Construction Balance as of May 2021



# Questions?



**Stephanie King**  
Chief Financial Officer

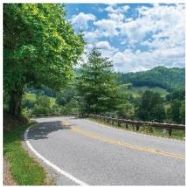
[sjking@ncdot.gov](mailto:sjking@ncdot.gov)





## **NORTH CAROLINA**

Department of Transportation



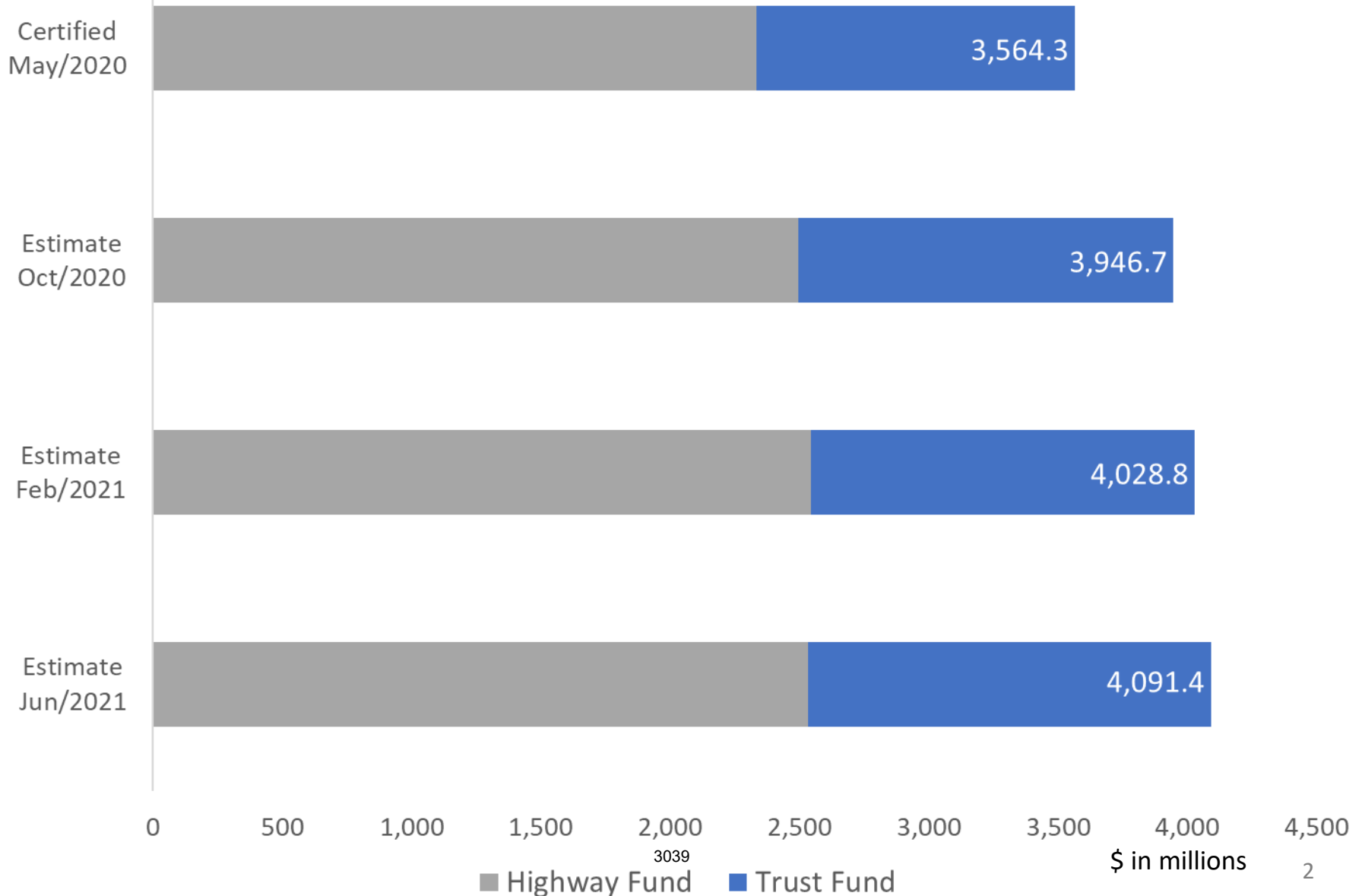
## Revenue Update

## Finance Committee

Amna Cameron

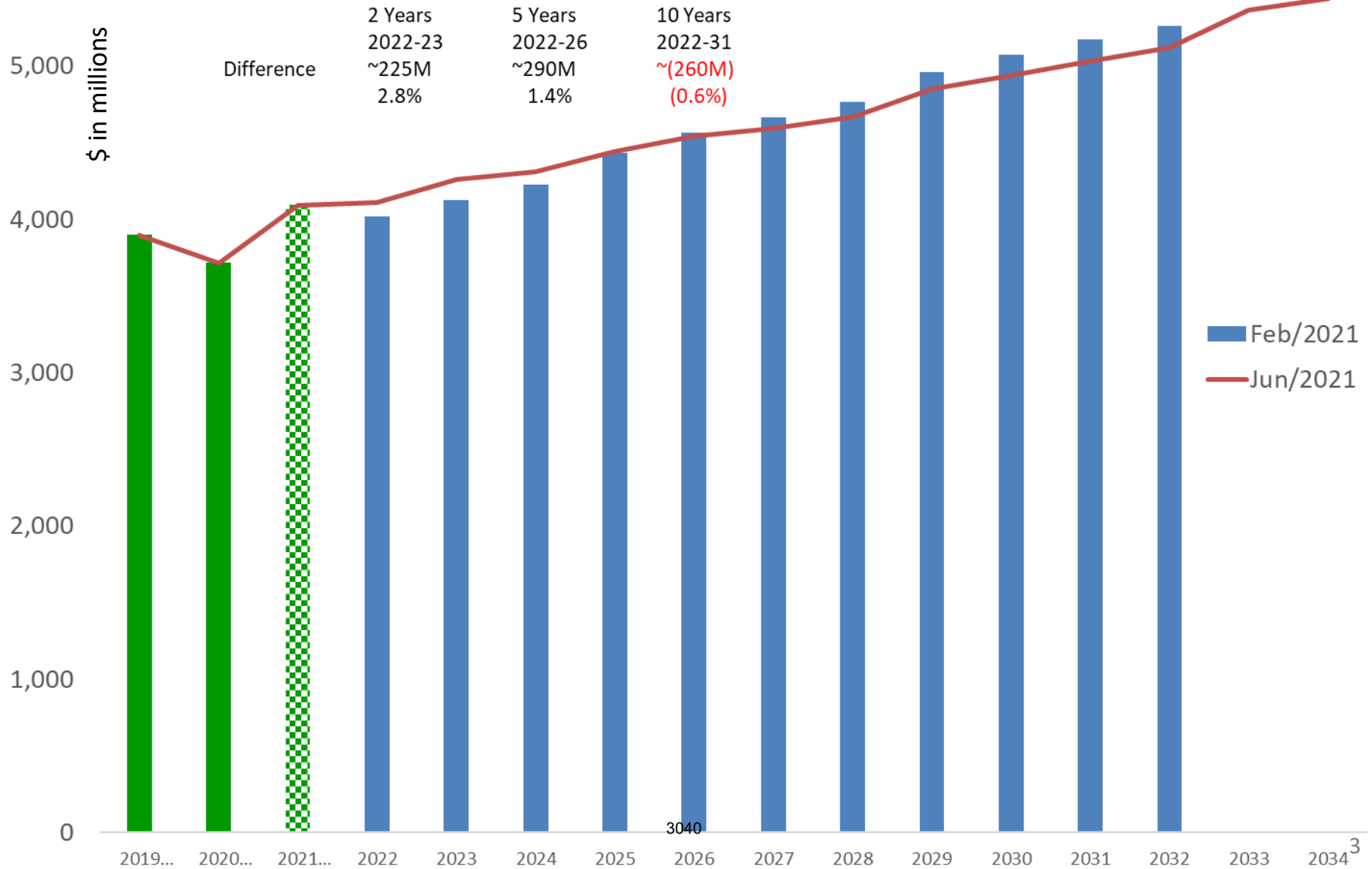
June 30, 2021

## SFY 2022 Forecasts

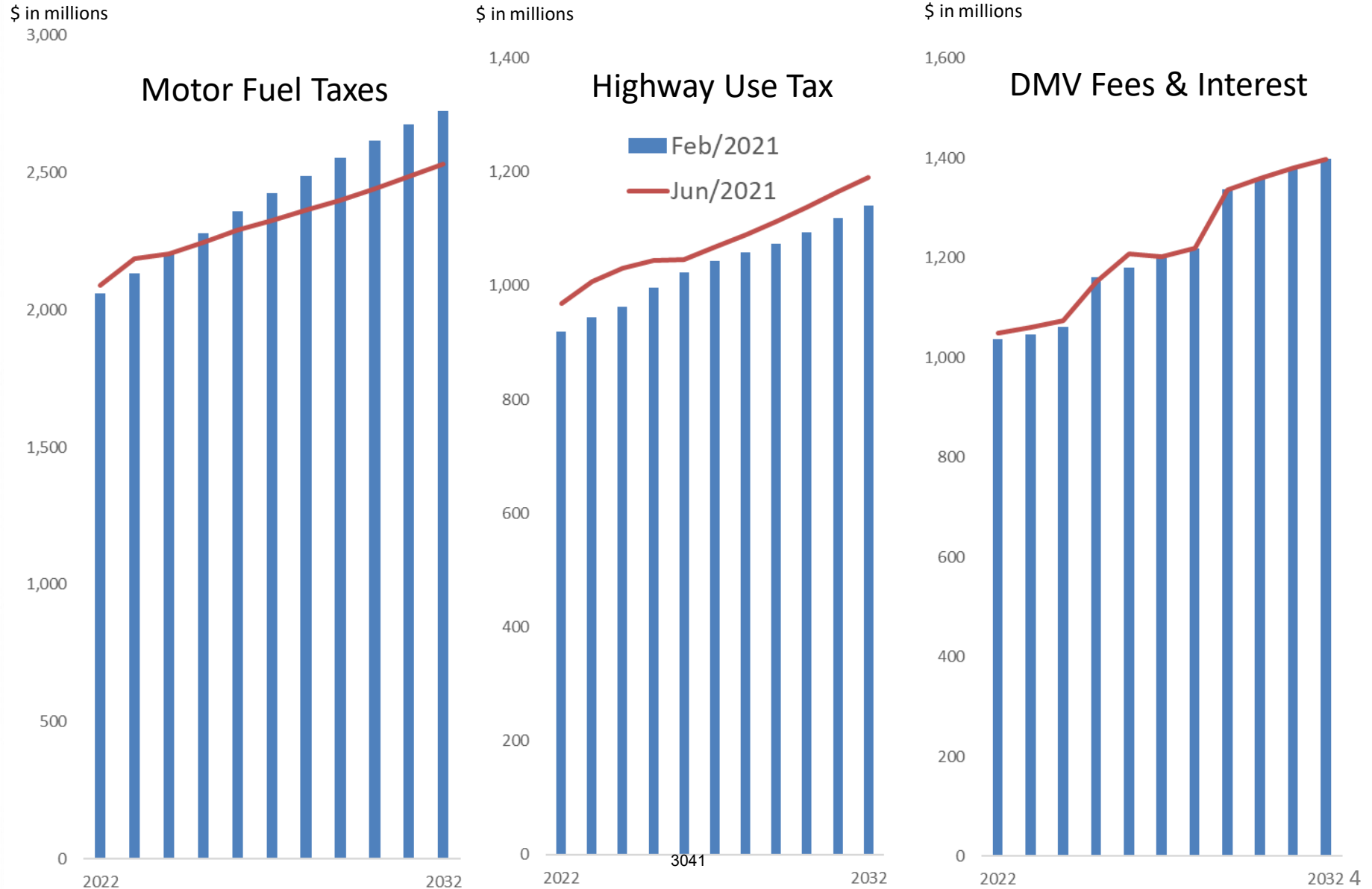




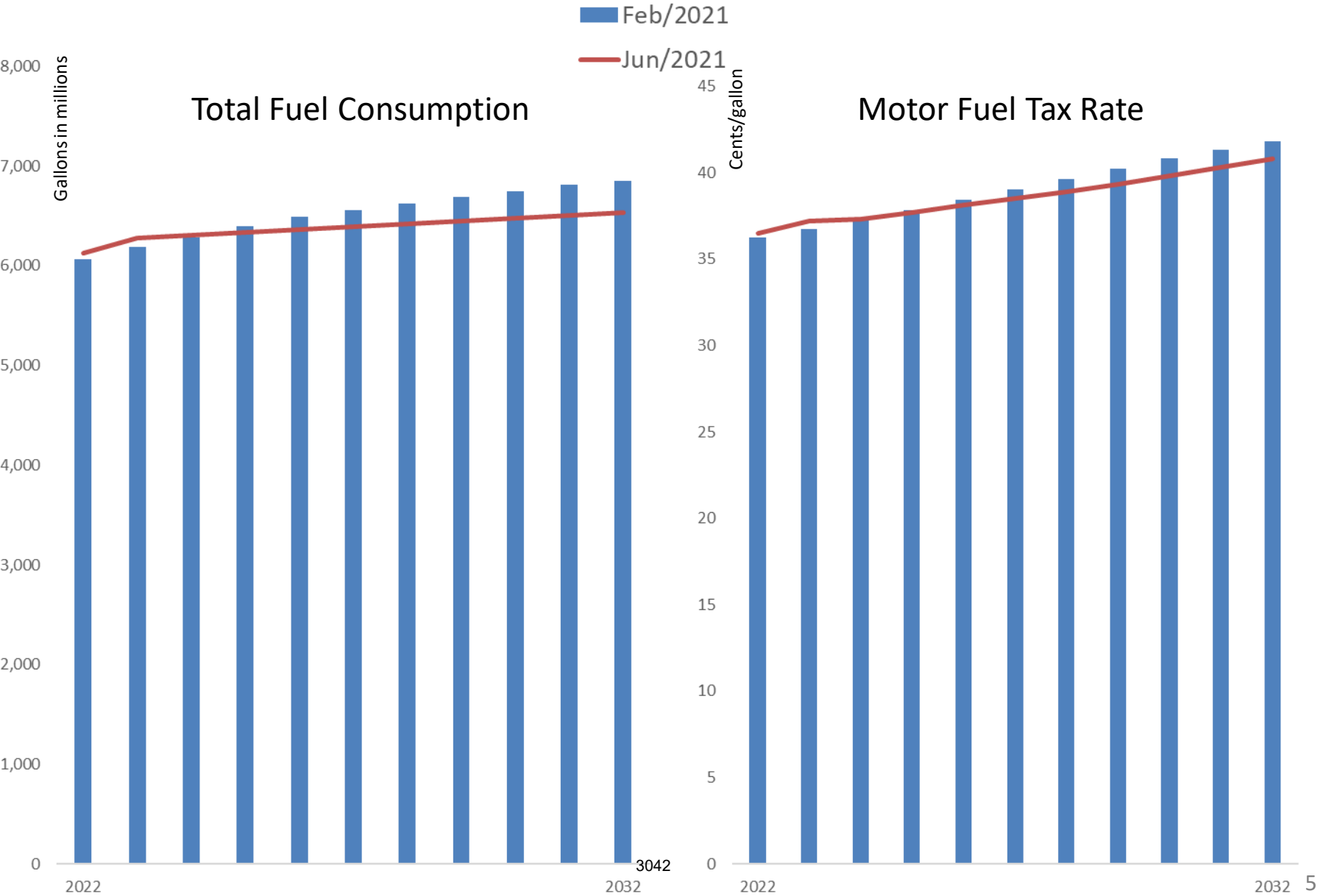
## Revenue Forecast Comparison - Total State Transportation



# Revenue Forecast Comparison



# Forecast Comparison – Motor Fuels



# Federal Update

## Senate

### Two-tracks

- Bipartisan agreement reached with 10+ Rs and Ds
- Reauthorization passage scheduled for July
  - Bill passed in Environment and EPW committees
  - Still waiting on finance and transit pieces

## House

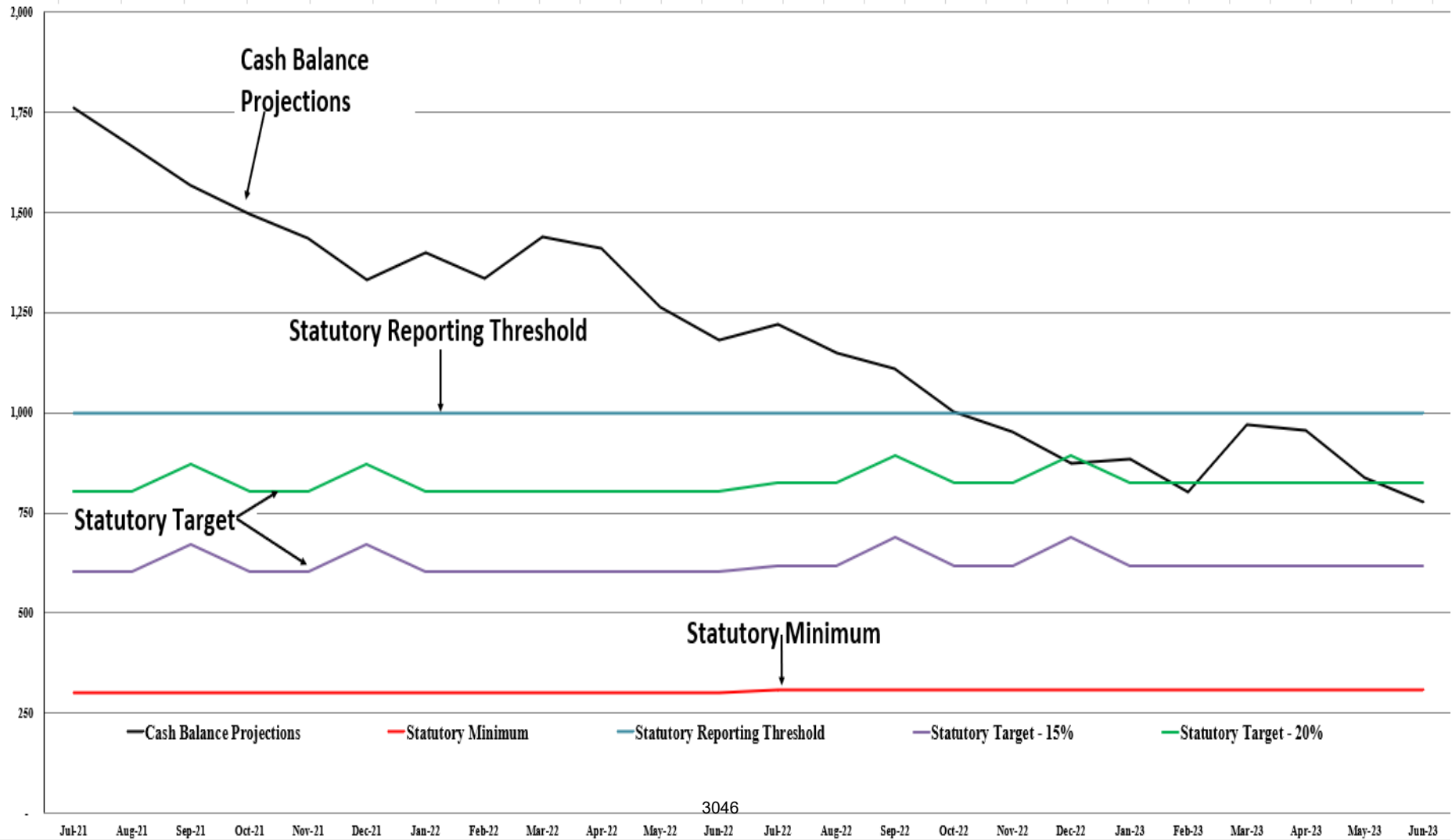
- Reauthorization bill passage expected by July 4
  - Bill financed through \$148 billion GF transfer
  - Excise taxes expiring on 10/1/22 and 10/1/23 were not extended and National MBUF Pilot was removed
  - Still waiting on transit via Banking committee

# Federal Update

	Original Biden AJP	Bipartisan Senate Framework	<u>Difference</u>	
<b><u>Transportation Infrastructure</u></b>				
Roads (incl. HSIP), Bridges, Major Projects*	167	109	-58	-35%
Passenger & Freight Rail	80	66	-14	-18%
Public Transit	85	49	-36	-42%
Airports	25	25	0	0%
Ports & Waterways	17	16	-1	-6%
EV Charging Network	15	7.5	-7.5	-50%
Electric Buses/transit	25	7.5	-17.5	-70%
Safety (Excluding HSIP)*	12	11	-1	-8%
Reconnecting Communities	25	1	-24	-96%
Infrastructure Financing Auth.	0	20	20	inf
<b>Subtotal, Transportation</b>	<b>451</b>	<b>312</b>	<b>-139</b>	<b>-31%</b>
<b><u>Other Physical Infrastructure</u></b>				
Power Infrastructure	100	73	-27	-27%
Broadband Infrastructure	100	65	-35	-35%
Water Infrastructure	111	55	-56	-50%
Resiliency	50	47	-3	-6%
Environmental Remediation	21	21	0	0%
Western Water Storage	0	5	5	inf
<b>Subtotal, OPI Comparable</b>	<b>382</b>	<b>266</b>	<b>-116</b>	<b>-30%</b>

	SFY 2022 Draft Proposed Spend Plan			
	SFY 20	SFY 21	SFY 22	SFY 23
	12Month Total	12Month Total	12Month Total	12Month Total
<b>OPENING CASH BALANCE</b>	\$ 434	\$ 266	\$ 1,849	\$ 1,180
<b>REVENUES</b>				
State revenues	\$ 3,687	\$ 4,074	\$ 4,016	\$ 4,124
Federal aid	1,464	1,448	1,201	1,201
Federal aid - InfraGrant	-	68	64	23
Turnpike Federal Aid	2	23	-	-
Other	147	198	242	167
	5,299	5,812	5,524	5,515
<b>GARVEE REIMBURSEMENT FROM TRUSTEE</b>	182	304	206	450
<b>BUILDNC REIMBURSEMENT FROM TRUSTEE</b>	187	595	288	77
<b>TOTAL REVENUES &amp; OTHER RECEIPTS</b>	\$ 5,669	\$ 6,711	\$ 6,017	\$ 6,043
<b>CONSTRUCTION EXPENDITURES</b>				
Garvee Expenditures	(231)	(366)	(745)	(827)
Garvee Debt Service	(132)	(132)	(160)	(160)
Division of Mitigation Services (Formerly EEP)	(42)	(10)	(49)	(33)
BUILDNC Expenditures	(127)	(527)	(381)	(232)
BUILDNC Debt Service	(28)	(69)	(93)	(93)
TIP	(2,973)	(1,737)	(2,120)	(2,361)
TIP - InfraGrant	-	(91)	(101)	(135)
Turnpike Authority	(7)	(8)	(2)	(2)
Internal Orders	(8)	(16)	(12)	(12)
Congestion Mitigation & Air Quality (CMAQ)	(25)	(32)	(55)	(30)
Total Construction	\$ (3,574)	\$ (2,988)	\$ (3,717)	\$ (3,885)
<b>MAINTENANCE EXPENDITURES</b>				
Other Construction - Secondary Roads	\$ (5)	\$ (5)	\$ (12)	\$ (12)
Other Construction - Spot Safety Improvements	(5)	(6)	(15)	(12)
Other Construction - Contingency	(5)	(5)	(12)	(12)
Other Construction - Mobility/Modernization	(25)	(14)	(41)	(41)
General Maintenance Reserve	(396)	(401)	(310)	(274)
Contract Resurfacing	(79)	(326)	(631)	(536)
Roadside Environmental	(63)	(120)	(96)	(101)
Pavement Preservation	(219)	(60)	(118)	(85)
Bridge Program	(49)	(117)	(330)	(274)
Bridge Preservation	(476)	(49)	(84)	(70)
Undeclared Disasters including Snow & Ice	-	(68)	(94)	(94)
Disaster Funding - FEMA	(61)	(33)	(67)	(67)
Total Maintenance	\$ (1,382)	\$ (1,204)	\$ (1,811)	\$ (1,578)
<b>OTHER MODES</b>				
Integrated Mobility Division	\$ (105)	\$ (91)	\$ (115)	\$ (120)
Integrated Mobility Division - New Starts	0	(37)	(26)	0
Ferry Operations	(57)	(50)	(54)	(50)
Railroad program	(37)	(53)	(119)	(45)
Airports	(121)	(188)	(182)	(162)
Total Other Modes	\$ (321)	\$ (420)	\$ (495)	\$ (377)
<b>OTHER EXPENDITURES</b>				
Administration	\$ (369)	\$ (285)	\$ (331)	\$ (331)
Transfers to Other State Agencies	(64)	(78)	(58)	(58)
Transfers to General & Emergency Fund/NCTA - GAP	(49)	(49)	(110)	(49)
State aid to municipalities	(148)	(133)	(148)	(148)
Debt Service	(88)	-	-	-
Other Programs	(38)	(21)	(18)	(18)
Total Other Expenditures	\$ (755)	\$ (566)	\$ (664)	\$ (603)
<b>TOTAL EXPENDITURES</b>	\$ (6,031)	\$ (5,178)	\$ (6,687)	\$ (6,444)
<b>OTHER CHANGES IN CASH</b>				
Working capital changes	\$ 6	\$ 51	\$ -	\$ -
	\$ 195	\$ 51	\$ -	\$ -
<b>NET CHANGE IN CASH</b>	\$ (168)	\$ 1,584	\$ (670)	\$ (401)
<b>CLOSING CASH BALANCE</b>	\$ 266	\$ 1,849	\$ 1,180	\$ 779

# 24 Month Forecast



# SFY 2022 Spend Plan Assumptions

- **State Revenues**

- Based on February 12, 2021 consensus forecast which includes a 36.1 cpg Motor Fuel Tax (MFT) floor starting in CY 2021 and the changing of the distribution of the MFT between the Highway Fund and Highway Trust Fund as follows:
  - SFY 2021 81%/29%
  - SFY 2022 80%/20%
  - SFY 2023 75%/25%

- **Federal Revenues**

- Federal-aid revenue projections are not part of the consensus revenue forecast and are done in-house. The multi-year federal surface authorization bill (FAST Act) expired September 30, 2020.
- On September 30, 2020 a continuing resolution was approved to extend federal funding through December 11 to avoid a government shutdown and extended the FAST Act for one year. The model assumes the funding level in the last year of the existing bill will continue until there is further congressional action.



# SFY 2022 Spend Plan Assumptions

- **Build NC Bond Proceeds**

- Assumes no Build NC Sale in SFY 2022
- Assumes no Build NC Sale in SFY 2023

*\* BUILD NC Bond Proceeds assume NC law does not change to allow a bond issuance without the cash balance being below the \$1B threshold requirement*

- **GARVEE Bond Proceeds**

- Assumes a \$300 million sale in September 2021 (SFY 2022) and \$300m in July 2022 (SFY 2023)
- Complete 540 projects (R-2828, R-2721A, and R-2721B) were identified for the July 2022 sale (SFY 2023)

# SFY 2022 Spend Plan Assumptions

## Preliminary Engineering Expenditures – SFY 2022 \$285M and SFY 2023 \$270M

- 330 Central Let STIP projects (and programs/initiatives) comprise the FY22 PE Spend Plan
- Division Let STIP projects: Generally smaller projects making projecting monthly expenditures challenging, so these monthly expenditures are averaged at \$1.5M/month which aligns with the average annual spend of 2018 ad 2019 (discounting 2020 since it was an atypical year).
- Projects: Projections were compiled for all STIP Division Design Raleigh Let (DDRL), Raleigh Let, and Design Build (DB) projects that are active AND scheduled to be let through FY 2027. Let dates were the primary driver in identifying projects. This data was reported directly from SAP. Any let date changes that occur after April 1, 2021 would potentially result in a shift in projections and would not be captured in the current version of the FY22 PE Spend Plan.
- Programs/Initiatives: Projections were compiled for program efforts such as Bridge Inspections, Open Roads Designer (ORD), FEMA Compliance, Resiliency, ATLAS, & IPD.
- Internal PE: Estimated statewide annual projections were based on approximate number of staff and average salary which is consistent with historical spend and tracked for two fiscal years (FY20 & FY21).
- Unknowns: The Department has and will be submitting proposals for various discretionary grants; should the department be successful in winning one of these grants, these impacts have not been forecasted.

# SFY 2022 Spend Plan Assumptions

## Right of Way Expenditures – SFY 2022 \$625M and SFY 2023 \$400M

- 620 projects comprise the FY 22 ROW Spend Plan from the following sources:
  - Comprehensive Project list
  - DPOC 12-month let list
  - 18-month ROW Authorization list
  - Bond Sale Program list
  - Cash Model Project list
  - HSIP Move Forward list
  - Design Build/ ROW spend meeting for FY 22
  - Input from Project Managers on ROW costs for their projects
  - Input from Divisions on remaining expenses on active projects
  - Utilities at Risk project list
- 43 projects of 59 projects on the Project At Risk Tier are activated in the FY 22 ROW Spend Plan
- Map Act Inverse payout for FY 2022 is 95M and all is expected to spend by 10/31/21
- Anticipated Jury Awards and Mediated Settlements for FY 22 is \$40,728,592
- Utilities
  - 139 Central Let STIP projects comprise the FY22 Utilities portion of the ROW Spend Plan
  - Projects: FY22 project spend plan is a project-specific compilation, with the majority of the decisions directly related to the ROW acquisition status.
  - Projects included are STIP DB, Central Let and DDRL
    - Projects currently underway (actual relocation in motion)
    - Projects with Utilities Relocation start dates between April 2021 and March 2022 based on the project schedules in SAP as of April 1, 2021.
  - Division Let STIP: Historical expenditures (2015-2019) were used as a guide as actual projections were not sought due to the large number of projects.
  - Non-DOT Let (LAP), OCC, CBSF are not considered as historical expenditure analysis supports the assumption that DOT does not fund the utilities relocation or are negligible expenditures (totally less than \$100K annually).
  - Assumed that for all currently completed projects invoices will not be received until FY22.
  - Overall assumption regarding invoices is that final invoices will be received 3 months post let.

# **SFY 2022 Spend Plan Assumptions**

## **Spend Plan Construction Expenditures**

- Includes \$2.8 billion for SFY 2022 and \$3.2 billion for SFY 2023
- Includes new construction lettings of \$1.5 billion for SFY 2022 and \$1.9 billion for 2023 - a listing of the projects to be let by month are attached
- Includes GARVEE project expenditures of \$745 million in SFY 2022 and \$827 million in SFY 2023
- Includes BuildNC project expenditures of \$381 million in SFY 2022 and \$232 million in SFY 2023
- Includes INFRA grant project expenditures of \$101 million in SFY 2022 and \$135 million in SFY 2023
- Includes Division of Mitigation Services of \$49 million for SFY 2022 and \$33 million for SFY 2023

## Project List - SFY: 2022 to 2022

ARRA	Include	Split Fund	Include	Project Cost Between:	0
GARVEE	Include	Design Build	Include	and:	1,000,000,000
MOBILITY	Include	DPOC, BPOC	Exclude	<input type="checkbox"/> Bridge & Safety Locked	
NCTA	Exclude	DDL	Include	<input type="checkbox"/> IM Locked	
LOOP	Include	MUN	Include	<input type="checkbox"/> Non-HiCams Locked	
Awarded	Include	HiCams Exc.	Exclude		
Type	*	Funds.	Include	STI Category	
BuildNC	Include	INFRA	Include	Report Date:	Wednesday, May 12, 2021

**STIP    DIV/TYPE/AWARD DESCRIPTION    GARVEE/BuildNC/INFRA COST**

### SFY 2022

#### July, 2021 - 8 Projects Costing \$265,400,000

B-4863	2	<input type="checkbox"/>	REPLACE BRIDGE 73 AND 96 OVER THE STRAITS AT HARKERS ISLAND ON SR 1335 (ISLAND ROAD)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	39,900,000
B-5301	2	<input type="checkbox"/>	BRIDGE 87 OVER THE NORFOLK SOUTHERN RAILROAD ON NC 33	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,900,000
B-5642	3	<input type="checkbox"/>	BRIDGE 65 OVER HOOD CREEK ON NC 87	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,200,000
B-5666	4	<input type="checkbox"/>	REPLACE BRIDGE 47 OVER SEABOARD COAST LINE RAILROAD ON US 117	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3,400,000
B-5326	5	<input type="checkbox"/>	BRIDGE 247 OVER WHITE OAK CREEK ON SR 2555	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4,900,000
I-5878	6	DDL	I-95 AT US 421 (EXIT 73) AND SR 1793 (POPE ROAD) (EXIT 72).IMPROVE INTERCHANGES. Part of INFRA Program without INFRA funding.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	60,100,000
I-5883	6	DDL	I-95 AT SR 1808 (JONESBORO ROAD) (EXIT 75) AND SR 1709 (HODGES CHAPEL ROAD) (EXIT 77). IMPROVE INTERCHANGES. Part of INFRA Program without INFRA funding.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	78,200,000
I-5986B	6	<input type="checkbox"/>	I-95 SR 1001 (LONG BRANCH ROAD - EXIT 71) TO I-40 (EXIT 81). WIDEN TO EIGHT LANES HARNETT/JONSTON COUNTIES. Part of INFRA Program without INFRA funding.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	70,800,000

#### August, 2021 - 2 Projects Costing \$6,000,000

B-5703	6	<input type="checkbox"/>	BRIDGE 60 OVER LOWER LITTLE RIVER ON US 401	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2,150,000
B-5765	9	<input type="checkbox"/>	BRIDGE 115 OVER WINSTON-SALEM SOUTHBOUND RAILWAY ON SR 1711(GUMTREE ROAD).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3,850,000

#### September, 2021 - 6 Projects Costing \$47,750,000

B-5624	3	<input type="checkbox"/>	BRIDGE 57 OVER JUNIPER CREEK ON NC 211 (COMB W/B-5627)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3,150,000
U-4906	3	DDL	GUM BRANCH ROAD WIDENING PROJECT - SR 1308 (GUM BRANCH ROAD) FROM WEST OF SR 1313 (MILLS FIELDS ROAD) TO EAST OF SR 1324 (RAMSEY ROAD) IN ONSLOW COUNTY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11,500,000
I-5932A	4	DDL	I-95 FROM NC 561 (MILEMARKER 160)TO NC 903 (MILEMARKER 172)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9,000,000
I-6003	9	DDL	I-40 DAVIE COUNTY FROM SR 1436 (PINEBROOK SCHOOL ROAD) TO WEST OF NC 801. PAVEMENT REHABILITAION. PROJECT CREATED PER THE DRAFT 2020-2029 STIP.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,700,000
R-2566BA	11	<input type="checkbox"/>	NC 105 - CONSTRUCT NEW BRIDGE OVER WATAUGA RIVER AND LEFT-TURN LANE AT SR 1112 (BROADSTONE ROAD) WITHIN THE LIMITS OF R-2566B	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12,400,000

STIP	DIV/TYPE/AWARD		DESCRIPTION	GARVEE/BuildNC/INFRA			COST
B-6054A	14	DBL	<input type="checkbox"/> I-40 REPLACE BRIDGE 57 OVER US FOREST SERVICE ROAD/COLD SPRINGS CREEK AT HARMON'S DEN.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5,000,000
October, 2021 - 7 Projects Costing \$118,500,000							
I-5939	6	DDL	<input type="checkbox"/> I-95 FROM SOUTH CAROLINA STATE LINE (MILEMARKER 0.0) TO SR 1155 (EAST DEW ROAD) (MILEMARKER 5.5) PAVEMENT REHABILITATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13,200,000
U-4405A	6		<input type="checkbox"/> US 401 (RAEFORD ROAD) FROM US 401 (RAEFORD ROAD) FROM OLD RAEFORD ROAD TO EAST OF BUNCE ROAD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	27,300,000
B-4626	9		<input type="checkbox"/> REPLACE BRIDGE 3 OVER YADKIN RIVER AND WINSTON-SALEM SOUTHBOUND RAILROAD ON NC 49 (EASTBOUND LANE)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16,200,000
R-5737	9	DDL	<input type="checkbox"/> US 29/US 70/BUSINESS 85 AT SR 1798 (OLD GREENSBORO ROAD). CONVERT AT-GRADE INTERSECTION TO INTERCHANGE.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	27,500,000
B-5813	10		<input type="checkbox"/> BRIDGE 132 OVER DUTCH BUFFALO CREEK ON NC 73	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4,300,000
B-6054B	14	DBL	<input type="checkbox"/> I-40 REPLACE BRIDGE 159 OVER SR 1338 (WHITE OADK ROAD).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5,000,000
B-6054C	14	DBL	<input type="checkbox"/> I-40 REPLACE BRIDGE 171 OVER SR 1338 (WHITE OADK ROAD) ANDJONATHAN CREEK.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25,000,000
November, 2021 - 8 Projects Costing \$147,555,000							
W-5701G	1	On Call Contract (OCC)	<input type="checkbox"/> US 158 AT THE SOUTH END OF THE INTRACOASTAL WATERWAY BRIDGE(MP 12.316);US 17 AT THE SOUTH END O FPERQUIMANS RIVER BRIDGE (MP 7.894); US 158 AT THE NORTH END OF THE INTRACOASTAL WATERWAY BRIDGE (MP 11.299).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	105,000
R-5021	3	DDL	<input type="checkbox"/> NC 211 FROM SR 1500 (MIDWAY ROAD) TO NC 87	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	102,300,000
B-5318	5	DDL	<input type="checkbox"/> REPLACE BRIDGE 910126 OVER SMITHS CREEK SR 2044 (LIGON MILLROAD) IN WAKEFOREST	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5,100,000
U-5302	5	DDL	<input type="checkbox"/> US 401 FROM SOUTH OF SR 1006 (OLD STAGE ROAD) TO SOUTH OF SR 2538(MECHANICAL BOULEVARD)IN GARNER. CONVERT TO SUPERSTREET.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15,700,000
U-5826	5	DDL	<input type="checkbox"/> SR 2000 (FALLS OF NEUSE ROAD) FROM I-540 TO SR 2006 (DURANTROAD). ADD LANES.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,500,000
B-5728	7		<input type="checkbox"/> REPLACE BRIDGE 112 OVER REEDY FORK CREEK IN OSSIPEE ON NC 87	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,200,000
U-5754	7		<input type="checkbox"/> US 29/US 70/US 220 (O'HENRY BOULEVARD) FROM I-40/BUSINESS 85 TO SOUTH OF FLORIDA STREET IN GREENSBORO	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3,650,000
I-6052	10	DDL	<input type="checkbox"/> I-277 MECKLENBURG COUNTY I-277 (BROOKSHIRE FRWY) FROM WEST OF I-77 TO EAST OF I-77. BRIDGE REHABILITATION.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8,000,000
December, 2021 - 7 Projects Costing \$389,250,000							
R-2511	1		<input type="checkbox"/> US 17 FROM WASHINGTON BYP NORTH OF NC 171 TO MULTI-LANES SOUTH OF WILLIAMSTON	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	69,800,000
U-2579AB	9		<input type="checkbox"/> WINSTON-SALEM - NORTHERN BELTWAY EASTERN SECTION (FUTURE I-74) FROM I-40 TO I-40 BUSINESS/US 421 * SEE R-2247 FOR PLANNING DOCUMENT *	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	211,900,000
B-6011	13	DB	<input type="checkbox"/> REPLACE BRIDGE 145 OVER BRISTOL CREEK ON SR 1430	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	650,000
B-6013	13	DB	<input type="checkbox"/> REPLACE BRIDGE 207 OVER GRASSY CREEK ON SR 1106	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	800,000
B-6014	13	DB	<input type="checkbox"/> REPLACE BRIDGE 312 OVER SECOND BROAD RIVER ON SR 1781	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,000,000

STIP	DIV/TYPE/AWARD		DESCRIPTION	GARVEE/BuildNC/INFRA			COST
B-6016	13	DB	<input type="checkbox"/> REPLACE BRIDGE 142 OVER MARTIN CREEK ON SR 2027	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	500,000
R-2233BB	13		<input type="checkbox"/> US 221 SOUTH OF US 74 BUSINESS (CHARLOTTE ROAD) TO NORTH OF SR 1366 (ROPER LOOP ROAD)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	104,600,000
<b>January, 2022 - 5 Projects Costing \$177,740,000</b>							
R-3300B	3	DDL	<input type="checkbox"/> US 17 FROM NC 210 TO US 17 NORTH OF HAMPSTEAD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	138,600,000
U-5996	4	DB	<input type="checkbox"/> SR 1603 (OLD CARRIAGE ROAD) FROM GREEN HILLS ROAD TO SR 1770 (EASTERN AVENUE). ADD CENTER TURN LANE AND WIDEN US 64 BRIDGE OVER SR 1603. (COMB W/U-5026 & R-5720)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	23,940,000
I-5973	10	DDL	<input type="checkbox"/> I-485 AT NC 16 (BROOKSHIRE BOULEVARD)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,000,000
B-3186	14		<input type="checkbox"/> REPLACE BRIDGE 155 & 158 OVER RICHLAND CREEK ON US 23-74 NBL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,100,000
B-5898	14		<input type="checkbox"/> REPLACE BRIDGE 168 OVER US 19 AND US 23 ON US 23/US 74	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3,100,000
<b>February, 2022 - 6 Projects Costing \$43,624,000</b>							
B-5353	7		<input type="checkbox"/> BRIDGE 147 OVER US 311 ON US 29/70 AND I-85 BUSINESS (COMB W/U-5896)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3,450,000
B-5737	7		<input type="checkbox"/> REPLACE BRIDGE 108 OVER NC 14/NC 87/NC 770 IN EDEN ON NC 700	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4,100,000
U-5896	7	DDL	<input type="checkbox"/> US 29 / US 70 / Business 85, SR 1009 (South Main Street) (COMB W/B-5353) in High Point, reconstruct interchange	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12,400,000
B-5772	9		<input type="checkbox"/> REPLACE BRIDGE 66 OVER THE NORFOLK SOUTHERN RAILWAY TRACKS ON SR 1724 (HURLEY SCHOOL ROAD)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,950,000
U-5738	9	DDL	<input type="checkbox"/> SR 2528 (JULIAN ROAD) FROM US 601 (JAKE ALEXANDER BOULEVARD) TO SR 2667 (SUMMIT PARK DRIVE) IN SALISBURY WIDEN TO MULTI-LANES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14,000,000
HL-0003	13	DDL	<input type="checkbox"/> US 19/23 BUSINESS (HAYWOOD ROAD), UPGRADE ROADWAY (INCLUDING RESURFACING AND PEDSTRIAN IMPROVEMENTS) FROM US 19/23/74 (PATTON AVENUE) TO RIDGELAWN ROAD.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7,724,000
<b>March, 2022 - 4 Projects Costing \$40,900,000</b>							
U-5606	2		<input type="checkbox"/> SR 1598/SR 1620 (DICKINSON AVE) FROM NC 11 (MEMORIAL DRIVE) TO SR 1610 (READE CIRCLE)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11,700,000
U-5798A	6	DB	<input type="checkbox"/> SR 1102 (GILLIS HILL ROAD) FROM NORTH OF SR 1112 (STONE POINT ROAD) TO US 401 (RAEFORD ROAD).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17,600,000
B-5717	7		<input type="checkbox"/> REPLACE BRIDGES 109 AND 121 OVER SOUTH BUFFALO CREEK IN GREENSBORO ON SR 4240 (EAST LEE STREET - WESTBOUND)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7,100,000
B-5372	10		<input type="checkbox"/> BRIDGE 109 OVER US 29 ON SR 1706	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4,500,000
<b>April, 2022 - 4 Projects Costing \$54,950,000</b>							
B-5644	3		<input type="checkbox"/> BRIDGE 15 OVER CROOKED CREEK ON NC 11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,550,000
U-6010	7	DDL	<input type="checkbox"/> US 70 (SOUTH CHURCH STREET) AT SR 1226 / SR 1311 (UNIVERSITY DRIVE) IN BURLINGTON. INTERSECTION IMPROVEMENTS.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8,400,000
R-3830	8		<input type="checkbox"/> NC 42/SR 1579 (BROADWAY ROAD) FROM US 421 IN SANFORD TO SR 1538 (EAST HARRINGTON AVENUE) IN BROADWAY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	39,500,000
B-5770	9		<input type="checkbox"/> REPLACE BRIDGE 243 OVER NC 150 IN WINSTON-SALEM ON SALISBURY RIDGE ROAD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5,500,000



STIP	DIV/TYPE/AWARD		DESCRIPTION	GARVEE/BuildNC/INFRA			COST
May, 2022 - 5 Projects Costing \$30,146,000							
B-4786	2		<input type="checkbox"/> REPLACE BRIDGE 38 OVER THE TAR RIVER ON US 13 IN GREENVILLE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8,200,000
B-5808	10		<input type="checkbox"/> REPLACE BRIDGE 57 AND 59 OVER IRISH BUFFALO CREEK ON US 29/US 601	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5,100,000
U-5873	10	DDL	<input type="checkbox"/> CORNELIUS - INTERSECTION OF NC 115 AND POTTS STREET; CONSTRUCT IMPROVEMENTS.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3,416,000
W-5710AD	10	Constr. by State Forces (CSF)	<input type="checkbox"/> SR 1005 (LANDSFORD ROAD) AND SR 1937 (OLD PAGELAND MARSHVILLE ROAD). INSTALL A ROUNDABOUT.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	30,000
B-5869	13		<input type="checkbox"/> REPLACE BRIDGE 99 OVER SOUTHERN RAILROAD ON US 64/US 70	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13,400,000
June, 2022 - 10 Projects Costing \$170,772,000							
R-4705	1	DDL	<input type="checkbox"/> SR 1142 (PRISON CAMP ROAD) FROM NC 903 TO SR 1182 (EAST COLLEGE ROAD)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	34,200,000
B-5614	2		<input type="checkbox"/> REPLACE BRIDGE 9 OVER BLOUNTS CREEK ON SR 1112	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9,800,000
U-5926	3	DDL	<input type="checkbox"/> NEW ROUTE FROM SR 1302 (23RD STREET) TO 26TH STREET. CONSTRUCT ROUTE ON NEW LOCATION. ECONOMIC DEVELOPMENT PROJECT.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4,872,000
B-5694	6		<input type="checkbox"/> BRIDGE 51 OVER A CANAL ON NC 11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5,600,000
R-2561CA	6	DDL	<input type="checkbox"/> NC 87 AT NC 11. CONSTRUCT INTERCHANGE.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	29,700,000
R-5819	6	DDL	<input type="checkbox"/> US 74/US 76 AT SR 1740 (OLD LAKE ROAD). CONVERT AT-GRADE INTERSECTION TO OVERPASS.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13,700,000
R-5820	6	DDL	<input type="checkbox"/> US 74/US 76 AT SR 1735 (CHAUNCEY TOWN ROAD). CONVERT AT-GRADE INTERSECTION TO INTERCHANGE.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25,600,000
R-5714	11	DDL	<input type="checkbox"/> US 601 FROM US 52 TO SR 1365 (FORREST DRIVE) UPGRADE ROADWAY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9,300,000
U-5809	11	DDL	<input type="checkbox"/> US 601 (STATE STREET) FROM US 421 TO SR 1146 (LEE AVENUE). CONSTRUCT MEDIAN AND ROUNDABOUTS.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11,400,000
B-4442	13		<input type="checkbox"/> REPLACE BRIDGES 370 & 373 OVER REEMS CREEK ON US 19/23, US 25, & US 70	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	26,600,000
Yearly Total						\$1,492,587,000	



STIP	DIV/TYPE/AWARD DESCRIPTION	GARVEE/BuildNC/INFRA	COST
		<i>Grand Total</i>	\$1,492,587,000

## Project List - SFY: 2023 to 2023

ARRA Include  
GARVEE Include  
MOBILITY Include  
NCTA Exclude  
LOOP Include  
Awarded Include  
Type \*  
BuildNC Include

Split Fund Include  
Design Build Include  
DPOC, BPOC Exclude  
DDL Include  
MUN Include  
HiCams Exc. Exclude  
Funds. Include  
INFRA Include

Project Cost Between:  
and:

0
1,000,000,000

☐ Bridge & Safety Locked  
☐ IM Locked  
☐ Non-HiCams Locked

STI Category

Report Date: Wednesday, May 12, 2021

**STIP      DIV/TYPE/AWARD DESCRIPTION      GARVEE/BuildNC/INFRA COST**

### SFY 2023

July, 2022 - 13 Projects Costing \$565,074,000

B-4593	2		<input type="checkbox"/>	BRIDGE 38 OVER THE TRENT CREEK ON NC 55	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8,400,000
U-6223	4	DDL	<input type="checkbox"/>	SR 1560 RANCH ROAD EXTENSION FROM US 70 BUS/NC 42 TO RANCH ROAD IN CLAYTON. NEW LOCATION EXTENSION OF RANCH ROAD.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5,100,000
HL-0033	5	DDL	<input type="checkbox"/>	SR 3126 (AIRPORT BOULEVARD FROM GARDEN SQUARE LANE TO SR 1637 (CHURCH STREET) IN MORRISVILLE. CONSTRUCT ROADWAY ON NEW LOCATION.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,474,000
U-5747A	5	DDL	<input type="checkbox"/>	SR 1635 - FROM WEST OF SR 1613 (DAVIS DRIVE) TO NORTH OF SR1637 (CHURCH STREET) IN MORRISVILLE. WIDEN TO 4-LANE DIVIDED FACILITY.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15,300,000
U-5747B	5	DDL	<input type="checkbox"/>	SR 1635 AT NC 54 - CONVERT AT-GRADE INTERSECTION TO GRADE SEPARATION, INCLUDING GRADE SEPARATION OF NORTH CAROLINA RAILROAD.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17,500,000
U-5750	5	DDL	<input type="checkbox"/>	NC 54 FROM NC 540 TO PERIMETER PARK DRIVE IN MORRISVILLE ADD LANES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	15,500,000
I-5987A	6	DDL	<input type="checkbox"/>	I-95 FROM SOUTH OF US 301 TO SOUTH OF NC 20. WIDEN TO EIGHTLANES.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	162,600,000
I-5987AA	6	DDL	<input type="checkbox"/>	I-95 CONSTRUCT WEIGH IN MOTION STATION.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2,400,000
I-5987B	6	DDL	<input type="checkbox"/>	I-95 FROM SOUTH OF NC 20 TO SOUTH OF PROPOSED I-295. WIDEN TO EIGHT LANES.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	184,100,000
R-2527	8		<input type="checkbox"/>	NC 24-27 FROM NC 73 TO THE TROY BYPASS * PLANNING DOCUMENT FOR R-2527 INCLUDES R-2530B & B-4974 *	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	72,900,000
U-5308	8	DDL	<input type="checkbox"/>	TRINITY - SR 1547 (FINCH FARM ROAD) FROM SOUTH OF SR 3106 (KENNEDY ROAD) TO I-85	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	26,800,000
U-5312	11	DDL	<input type="checkbox"/>	US 421 - NC 16 TO US 421 BUSINESS, CONVERT EXISTING ROADWAYTO SUPER STREET AND ADD SERVICE ROADS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	31,700,000
I-5889B	13	DDL	<input type="checkbox"/>	I-40 FROM MP 46 TO MP 50 ON I-40 IN BUNCOMBE COUNTY ROADWAYREHABILITATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16,300,000

August, 2022 - 6 Projects Costing \$216,704,000

B-5610	1		<input type="checkbox"/>	REPLACE BRIDGE 8 OVER A CANAL ON NC 12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,404,000
R-5777C	2	DB	<input type="checkbox"/>	US 70 FROM THURMAN ROAD TO HAVELOCK BYPASS. UPGRADE ROADWAY TO FREEWAY AND CONSTRUCT SERVICE ROADS. Part of INFRA Program without INFRA funding.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	168,500,000

STIP	DIV/TYPE/AWARD DESCRIPTION			GARVEE/BuildNC/INFRA			COST	
W-5704E	4	DDL	<input type="checkbox"/>	SR 1700(COVERED BRIDGE ROAD)BETWEEN 0.1 MILE EAST OF SR 1003(BUFFALO ROAD) AND 0.1 MILE WEST OF SR 2685(HELENA LANE), ALENGTH OF 1.41 MILES. SAFETY IMPROVEMENTS INCLUDE WIDENING,TURN LANES, INTESECTION IMPROVEMENTS, TRAFFIC SIGNAL INSTALLATIONS, AND PAVEM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7,100,000
B-5716	7	DDL	<input type="checkbox"/>	REPLACE BRIDGE 140 OVER DAN RIVER ON SR 1138	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,100,000
B-5833	11		<input type="checkbox"/>	REPLACE BRIDGE 29 OVER I-77 ON US 21 BUSINESS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4,600,000
A-0009CA	14	DDL	<input type="checkbox"/>	US 74 FROM NC 143 NORTH OF CHEOAH TO NC 28 AT STECOAH EXCEPT TUNNELS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	29,000,000
September, 2022 - 7 Projects Costing \$114,510,000								
B-5995	2	DDL	<input type="checkbox"/>	REPLACE BRIDGE 57 OVER DAWSON CREEK ON SR 1302	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,000,000
HO-	5		<input type="checkbox"/>	NCSU CAMPUS TRANSIT SIGNAL PRIORITY APPLICATION AND DATA COLLECTION AND MANAGEMENT.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	860,000
R-5725	7	DDL	<input type="checkbox"/>	NC 68 AT NC 150 INTERSECTION IN OAK RIDGE. INTERSECTION IMPROVEMENTS.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,000,000
U-5743	8	DDL	<input type="checkbox"/>	U-5743 - NC 42 SR 2194 (DUBLIN SQUARE ROAD), NORTH OF US 64/NC 49 (DIXIE DRIVE) TO SR 2237 (EAST SALISBURY STREET) IN ASHEBORO. WIDEN TO THREE LANES.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7,500,000
U-5813	8		<input type="checkbox"/>	U-5813 - ROW - US 64 FROM ASHEBORO BYPASS TO EAST OF I-73 /I-74 / US 220 IN ASHEBORO. WIDEN TO MULTILANES, RECONSTRUCTINTERCHANGE AT NC 49, MODIFY INTERCHANGE AT I-73 / I-74 / US 220 AND	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	31,900,000
B-5394	12	DDL	<input type="checkbox"/>	REPLACE BRIDGE 279 OVER SOUTH HUNTING CREEK ON SR 1832	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2,250,000
A-0009CB	14	DDL	<input type="checkbox"/>	TUNNELS AT APPALACHIAN TRAIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	60,000,000
October, 2022 - 15 Projects Costing \$455,985,000								
B-5684	5		<input type="checkbox"/>	REPLACE BRIDGE 146 OVER CRABTREE CREEK IN RALEIGH ON US 401	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8,607,000
B-5986	5		<input type="checkbox"/>	NC 231 REPLACE BRIDGES 910034 OVER NORFOLK SOUTHERN RAILROAD IN WENDELL.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2,948,000
U-5748	5		<input type="checkbox"/>	US 401 AT SR 2044 (LIGON MILL ROAD)/SR 2224 (MITCHELL MILL ROAD) INTERSECTION IN RALEIGH CONSTRUCT INTERCHANGE.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	22,500,000
I-5987C	6	On Call Contract (OCC)	<input type="checkbox"/>	I-95 GAUGE INSTALLATION, MODELING / HYDRAULIC STUDIES, AND STRESS TESTING ALONG CORRIDOR.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	315,000
I-6064D	6	On Call Contract (OCC)	<input type="checkbox"/>	I-95 GAUGE INSTALLATION, MODELING / HYDRAULIC STUDIES, AND STRESS TESTING ALONG CORRIDOR.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	315,000
R-5705A	6		<input type="checkbox"/>	NC 55 FROM JUST SOUTH OF SR 1532 (OAK GROVE CHURCH ROAD) TONC 210 - *4.10 MILES. WIDEN TO MULTI-LANES.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	31,400,000
R-5705B	6		<input type="checkbox"/>	NC 55 FROM NC 210 TO SR 4809 (JICARILA LANE). PART ON NEW LOCATION.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	39,400,000
U-2519BA	6		<input type="checkbox"/>	FAYETTEVILLE - OUTER LOOP FROM SOUTH OF SR 1003 (CAMDEN ROAD) TO SOUTH OF SR 1104 (STRICKLAND BRIDGE ROAD) * PLANNING DOCUMENT FOR U-2519 INCLUDES X-0002B & X-0002C *	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	83,000,000
U-2519BB	6		<input type="checkbox"/>	FAYETTEVILLE - OUTER LOOP FROM SOUTH OF SR 1104 (STRICKLANDBRIDGE ROAD) TO SOUTH OF US 401	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	39,300,000

STIP	DIV/TYPE/AWARD		DESCRIPTION		GARVEE/BuildNC/INFRA			COST
R-5930	8	DDL	<input type="checkbox"/>	NEW ROUTE FROM COUNTRY ROUTT BROWN ROAD TO US 15/ US 501. CONSTRUCT 2-LANE ROADWAY ON NEW LOCATION.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	28,200,000
U-2579AA	9		<input type="checkbox"/>	WINSTON-SALEM NORTHERN BELTWAY EASTERN SECTION(FUTURE I-74)FROM US 311 TO I-40 * SEE R-2247 FOR PLANNING DOCUMENT *	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	95,100,000
A-0009CC	14	DDL	<input type="checkbox"/>	US 74 FROM NC 143 NORTH OF CHEOAH TO NC 28 AT STECOAH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	32,900,000
B-6054D	14	DBL	<input type="checkbox"/>	I-40 REPLACE BRIDGE 124 OVER SR 1338 (WHITE OADK ROAD) ANDFINES CREEK.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5,000,000
B-6054E	14	DBL	<input type="checkbox"/>	I-40 REPLACE BRIDGE 142 OVER PIGEON RIVER.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20,000,000
I-5834	14	DDL	<input type="checkbox"/>	I-40 FROM MILE MARKER 27 TO MILE MARKER 34. PAVEMENT REHABILITATION.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	47,000,000
November, 2022 - 5 Projects Costing \$40,568,000								
U-5724	4	DDL	<input type="checkbox"/>	US 13 (BERKELEY BLVD) - REALIGNMENT OF SR 1709 (CENTRAL HEIGHTS ROAD) AT BERKELEY BOULEVARD.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14,400,000
U-6023	5		<input type="checkbox"/>	VARIOUS, TOWN OF WAKE FOREST. CONSTRUCT TOWNWIDE ITS / SIGNAL SYSTEM.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2,030,000
U-6026	5		<input type="checkbox"/>	VARIOUS, TOWN OF KNIGHTDALE. CONSTRUCT TOWNWIDE ITS / SIGNAL SYSTEM.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	888,000
U-4709	6	DDL	<input type="checkbox"/>	SR 1112 (ROCKFISH ROAD) FROM SR 1115 (GOLFVIEW ROAD) TO NC59 (MAIN STREET)AND SR 1115 (GOLFVIEW ROAD) FROM SR 1112 (ROCKFISH ROAD) TO NC 59 (MAIN STREET). WIDEN TO MULTI-LANES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10,800,000
Y-4810K	10		<input type="checkbox"/>	GRADE SEPARATION AT SR 1625 (ROGERS LAKE ROAD) OVER NS/NCRRRAILROAD AND CLOSURE AT GRADE CROSSING (NO. 724408Y) IN KANNAPOLIS AT MILEPOST 350.73	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12,450,000
December, 2022 - 4 Projects Costing \$49,975,000								
B-5985	6		<input type="checkbox"/>	NC 41/NC 72 SR 1600 REPLACE BRIDGE 770125 & 770175 OVER LUMBER RIVER.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16,675,000
B-5721	7		<input type="checkbox"/>	SR 2177 (DAN VALLEY ROAD) REPLACE BRIDGE 780124 OVER MAYO RIVER IN MADISON.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3,500,000
U-6018	7	DDL	<input type="checkbox"/>	NC 62 FROM SR 1154 (KERSEY VALLEY ROAD) TO SR 1162 (WEANT ROAD) IN ARCHDALE. IMPROVE INTERCHANGE AREA AND REALIGN SR 1154 AND SR 1162 INTERSECTIONS.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	12,300,000
R-3430B	13		<input type="checkbox"/>	SR 1001 (CONNELLY SPRINGS ROAD), BURKE COUNTY CONSTRUCT NEWPARALLEL BRIDGE OVER CATAWBA RIVER.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17,500,000
January, 2023 - 12 Projects Costing \$227,275,000								
B-5629	3		<input type="checkbox"/>	REPLACE BRIDGE 40 OVER MILLS CREEK ON SR 1515	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,500,000
B-5632	3		<input type="checkbox"/>	REPLACE BRIDGE 187 OVER BACK SWAMP ON SR 1828	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,900,000
B-5647	3		<input type="checkbox"/>	REPLACE BRIDGE 52 OVER ROCK FISH CREEK ON SR 1135	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,500,000
B-6049	3		<input type="checkbox"/>	REPLACE BRIDGE 72 OVER GREAT COHARIE CREEK ON SR 1206	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3,400,000
R-5751	6	DDL	<input type="checkbox"/>	US 74 FROM NC 72/NC 130 UPGRADE AT-GRADE INTERSECTION TO INTERCHANGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	20,300,000
B-6038	7		<input type="checkbox"/>	REPLACE BRIDGE 155 OVER NORFOLK SOUTHERN RAILWAY ON NC 14 /NC 87	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3,900,000

STIP	DIV/TYPE/AWARD DESCRIPTION			GARVEE/BuildNC/INFRA				COST
I-3306A	7	DB	<input type="checkbox"/>	I-40, FROM I-85 TO DURHAM COUNTY LINE. NC 86 INTERCHANGE IMPROVEMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	175,600,000
I-5946B	8	DDL	<input type="checkbox"/>	I-73 /I-74 FROM SR 1455 (FIRE TOWER ROAD) TO MONTGOMERY COUTY LINE.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,900,000
B-6046	10		<input type="checkbox"/>	REPLACE BRIDGE 102 OVER LONG CREEK ON SR 1917	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,700,000
U-6143	12	Raleigh Letting (LET)	<input type="checkbox"/>	NC 7 (EAST CATAWBA STREET) AT US 74 (WILKINSON BOULEVARD)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,275,000
B-6047	13		<input type="checkbox"/>	REPLACE BRIDGE 145 OVER FLOYDS CREEK ON SR 2125	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2,100,000
I-5831A	13	DDL	<input type="checkbox"/>	I-26 FROM TENNESSEE STATE LINETO MILE MARKER 9. REPLACE CURB AND DRAINAGE BOXES, AND REHABILITATE BRIDGES.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7,200,000
February, 2023 - 4 Projects Costing \$35,008,000								
U-6022	5		<input type="checkbox"/>	VARIOUS, TOWN OF FUQUAY-VARINA. CONSTRUCT TOWNWIDE ITS / SIGNAL SYSTEMS.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	1,988,000
I-5947A	8	DDL	<input type="checkbox"/>	I-73/ I-74/ US220 FROM RICHMOND COUNTY LINE TO NC 211.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11,400,000
I-5947C	8	DDL	<input type="checkbox"/>	I-73 /I-74 / US 220 FROM NC 24/27 TO RANDOLPH COUNTY LINE.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10,700,000
I-5979	8	DDL	<input type="checkbox"/>	US 74 / FUTURE I-74 AT US 1 (EXIT 311) INTERCHANGE IMPROVEMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	10,920,000
March, 2023 - 2 Projects Costing \$12,186,000								
U-6086	10	DDL	<input type="checkbox"/>	NC 51 FROM PARK ROAD TO CARMEL ROAD. CONSTRUCT ACCESS MANAGEMENT IMPROVEMENTS.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7,554,000
U-6105	10	DDL	<input type="checkbox"/>	SR 2415 (BAILEY ROAD) MECK. CO FROM POOLE PLACE DRIVE TO US21 (STATESVILLE ROAD). CONSTRUCT ROADWAY ON NEW LOCATION.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4,632,000
April, 2023 - 2 Projects Costing \$39,662,000								
U-4405B	6		<input type="checkbox"/>	US 401 (RAEFORD ROAD) FROM EAST OF BUNCE ROAD TO EAST OF GLENSFORD DRIVE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	25,557,000
I-5955	7	DDL	<input type="checkbox"/>	I-40 FROM SR 4121 (HIGH POINT ROAD) TO EAST OF SR 3037/SR 4240(GATE CITY BOULEVARD) IN GREENSBORO PAVEMENT REHABILITATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	14,105,000
May, 2023 - 4 Projects Costing \$40,002,000								
U-4015A	7	DDL	<input type="checkbox"/>	SR 1556 (GALLIMORE DAIRY ROAD) FROM NC 68 TO SOUTH OF INTERNATIONAL DRIVE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,600,000
B-5783	9		<input type="checkbox"/>	Replace Bridge 164 and Bridge 168 over the Norfolk Southern Railway Tracks on US 29 / US 70 / I-85 Business.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5,778,000
HL-0024	10	DDL	<input type="checkbox"/>	SR 3468 (WEDDINGTON ROAD) AT SR 3440 (MCKEE ROAD) INTERSECTION. CONSTRUCT INTERSECTION IMPROVEMENTS.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5,924,000
U-5839	14	DDL	<input type="checkbox"/>	US 276 (RUSS AVENUE) FROM US 23/74 TO US 23 BUSINESS (MAIN STREET) UPGRADE CORRIDOR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	21,700,000
June, 2023 - 8 Projects Costing \$81,946,000								
R-5808	1	DDL	<input type="checkbox"/>	US 158 FROM SR 1002 (ACORN HILL ROAD) TO PASQUOTANK COUNTY LINE, MODERNIZE ROADWAY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3,196,000
R-5809A	1	DDL	<input type="checkbox"/>	NC 45 WASHINGTON COUNTY LINE TO US 17 AT MIDWAY. MODERNIZEROADWAY.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6,650,000

STIP	DIV/TYPE/AWARD DESCRIPTION			GARVEE/BuildNC/INFRA			COST
U-4424	4	DDL	<input type="checkbox"/>	TARBORO - NC 111 (WILSON STREET) FROM US 64 ALTERNATE (WESTERN BOULEVARD) TO NC 122 (MCNAIR ROAD)	<input type="checkbox"/>	<input type="checkbox"/>	14,400,000
U-2729	9	DDL	<input type="checkbox"/>	SR 1672 (HANES MILL ROAD)FROM MUSEUM DRIVE TO SR 4000 (UNIVERSITY PARKWAY). WIDEN TO MULTI-LANES WITH CURB AND GUTTER.	<input type="checkbox"/>	<input type="checkbox"/>	15,500,000
B-5810	10		<input type="checkbox"/>	BRIDGE 22 OVER ROCKY RIVER ON NC 24 AND NC 27	<input type="checkbox"/>	<input type="checkbox"/>	6,200,000
U-5808	10	DDL	<input type="checkbox"/>	SR 1362 (CHESNUT LANE CONNECTOR) FROM SR 1367 (MATTHEWS INDIAN TRAIL ROAD) TO SR 1368 (GRIBBLE ROAD). CONSTRUCT ROAD ONNEW LOCATION.	<input type="checkbox"/>	<input type="checkbox"/>	13,500,000
U-6036	11	DDL	<input type="checkbox"/>	SR 1109 (PINWOOD RAOD) FROM US 321 TO SR 1931 (BERT HUFFMAN ROAD) UPGRADE ROADWAY	<input type="checkbox"/>	<input type="checkbox"/>	7,300,000
U-5799	12		<input type="checkbox"/>	US 21 FROM SR 1933 TO FORT DOBBS ROAD. WIDEN TO MULTI-LANESAND REALIGN OFFSET INTERSECTIONS OF SR 1922 AND SR 2171	<input type="checkbox"/>	<input type="checkbox"/>	15,200,000
<i>Yearly Total</i>							\$1,878,895,000

STIP	DIV/TYPE/AWARD DESCRIPTION	GARVEE/BuildNC/INFRA	COST
<i>Grand Total</i>			\$1,878,895,000

# SFY 2022 Spend Plan Assumptions

## Operations and Maintenance Spend Plan

Program/Detail Fund	Governor's Proposed Budget	Continuation Budget	Annual Spend Plan \$
<b><i>Standing Maintenance Programs</i></b>			
General Maintenance Reserve (GMR) - 157821/157822	\$503,681,501	\$433,996,592	\$310,295,892
Roadside Environmental (RE) - 157843	\$100,282,679	\$101,328,653	\$96,328,653
Contract Resurfacing (CR) - 157824	\$545,490,853	\$535,682,480	\$631,680,867
Pavement Preservation (PP) - 157841	\$84,440,803	\$85,623,683	\$117,852,211
Bridge Program (BP) - 157839	\$270,975,012	\$273,967,830	\$330,626,275
Bridge Preservation Program (BPR) - 157842	\$69,141,581	\$70,164,885	\$83,654,192
<b><i>Other Construction Programs</i></b>			
Secondary Construction (HF/TF) - 157812/159052	\$12,000,000	\$12,000,000	\$12,000,000
Spot Safety - 157817	\$12,100,000	\$12,100,000	\$15,000,000
Contingency - 157818	\$12,000,000	\$12,000,000	\$12,000,000
Mobility/Modernization Fund - includes 157844/157814/157837/157837	\$41,443,078	\$41,443,078	\$41,443,078
<b><i>Disasters</i></b>			
FEMA Configuration Disasters - 157835	\$0	\$0	\$66,900,000
Undeclared Disasters - Snow and Ice	\$0	\$0	\$93,700,000
<b>Totals</b>	<b>\$1,651,555,507</b>	<b>\$1,578,307,201</b>	<b>\$1,811,481,167</b>



# SFY 2022 Spend Plan Assumptions

## • Operations and Maintenance Spend Plan Assumptions

- GMR/RE are based on anticipated expenditures to match appropriations minus cash flow payback (below) - using Continuation Budget for this exercise - month by month projections based on historical averages

	FY 2022 Cash Flow Payback Amount
General Maintenance Reserve (GMR) - 157821/157822	\$30,000,000.00
Roadside Environmental (RE) - 157843	\$5,000,000.00
Contract Resurfacing (CR) - 157824	\$35,000,000.00
Pavement Preservation (PP) - 157841	\$5,000,000.00

- BPR uses a combination of SAS modeling and projections based on appropriations (Governor's Budget) - \$40M for Divisions to spend plus SAS forecast for BPR projects (centrally managed) – CR/PP/BP – using SAS forecasts from 3/16/2021
- Other Construction expenditures are based on expenditures to match appropriations, with the exception of the Spot Safety program where we anticipate slightly higher expenditures based on the volume of projects turned on during FY 2021
- Disaster expenditures are based on projected expenditures on currently active projects across the state for previous storms (\$46.9M for FHWA). We have added an additional amount of \$20M to the FEMA total to account for expenditures on new storms.

# SFY 2022 Spend Plan Assumptions

## Modal – Integrated Mobility Division – SFY 2022 \$141M and SFY 2023 \$120M

- *Bike and Pedestrian funding* – Bike and pedestrian funding in the spend plan will support over **20 bike and pedestrian planning grants**, as well as **three or more additional studies and projects** to advance multimodal planning activities in North Carolina.
- *Rural transit operations* – IMD estimates that funding to support rural transit operations in the SFY 22 spend plan will help rural transit agencies provide over **6 Million trips, covering over 48 Million miles and 2.5 Million hours of service** statewide.
- *Urban transit operations* – The spend plan will support a portion of operating needs for urban systems who are collectively expected to provide over **60 Million trips** in SFY 22.
- *Transit capital needs* – Funding will also allow rural and urban transit agencies to purchase over **120 transit vehicles**, ranging from small transit shuttle vans to 28' light transit vehicles and a limited number of large buses. Funding will also provide non-federal matching share for **10 or more urban transit vehicles or facilities**. Federal funding (5339b) in the spend plan will support the completion of **5 or more rural transit maintenance and operating facilities**.
- *USDOT discretionary grants* – Funding will allow for the **delivery of six or more competitively awarded USDOT grants**, including the AIM grant for microtransit service in Wilson, the Mobility for All grant for advanced scheduling software in Northeast North Carolina, the HOPE grant to develop electric vehicle transit plans for two transit agencies, the TOD Planning grant to advance planning efforts along the S-Line rail corridor, and the 5339(b) Bus and Bus Facilities grant to build transit facilities in a number of communities.
- *Intercity bus service lost revenue* – American Rescue Plan funding in the IMD spend plan will cover a portion of lost revenue due to COVID-19 impacts for **4 or more intercity bus providers** that offer regional services connecting rural and urban areas throughout the state.
- *Continued National Leadership on COVID-19 response* – Funding will allow IMD to continue supporting transit agency needs in response to COVID-19, including funding to ensure vaccine access for all residents.
- *Advancing multimodal innovation* – The spend plan allows for additional deployments of the CASSI autonomous shuttle, ongoing operating needs of the Wilson rural microtransit project, and support for new multimodal innovations.
- *Ensuring IMD has the capacity to succeed* – Funding will cover salaries for over **30 employees** and technical assistance from over **10 transportation consultants** on IMD's Limited Services Contract.

# SFY 2022 Spend Plan Assumptions

- **Modal – Ferry Spend Plan - SFY 2022 \$54M and SFY 2023 \$50M**
  - **Plan to do basic maintenance of assets**
  - **Maintenance of marine assets including ramps and gantries and other marine assets in and around docking areas.**
    - **Complete critical repairs of 48 pylon clusters, 6 ramp refurbishments, and 2 spoil sites.**
  - **Vessel asset maintenance**
    - **Complete 9 credit dry docks required by USCG**
  - **Maintenance of facilities**
    - **Complete 15 critical repairs**
    - **Complete 2 critical replacements for structures that are beyond service limits**
  - **Maintain Current Ferry Service Reliability of 80%**
  - **Assumes no major weather events or loss of navigability in federally maintained**

# SFY 2022 Spend Plan Assumptions

- **Modal – Rail Spend Plan – SFY 2022 \$119M and SFY 2023 \$45M**
  - Supports ongoing investments in operations and maintenance of state-supported train service, capital investment in railroads throughout the state, and support for statewide rail planning and safety.
  - Freight Rail and Rail Crossing Safety Improvement (FRRCSI) investments include progress of at least 46 existing and new projects with short line railroads and industries, and completion of the S-Line acquisition.
  - Supports the management of over 40 STIP rail projects, including progressing the Piedmont Renewal and Investment in Modern Equipment (PRIME) program procurement for the full replacement of the Piedmont equipment fleet.
  - Supports statewide rail planning and federal rail grant pursuit and management.
  - Provides for continued operation of full *Piedmont* and *Carolinian* train service for fiscal year 2022, including rail equipment and facilities, serving 12 stations in North Carolina and connecting to Washington, D. C. and New York City.
  - Allow for completion of improvements at 5 municipal-owned train stations as per SL 2019-231, which will ensure customers receive clean facilities and welcoming places for boarding and alighting trains.
  - Supports statewide engineering efforts for highway/rail crossings, and the state's important BeRailSafe safety outreach program to the public and first responders to mitigate unsafe behaviors at railroad-highway
  - Provides for state safety inspectors working to ensure safe railroad operations statewide by inspecting track, equipment and railroad signals.

# SFY 2022 Spend Plan Assumptions

## Modal – Aviation Spend Plan – SFY 2022 \$182M and SFY 2023 \$162M

- Airport improvement projects at all 10 commercial service airports – projects include planning, environmental, and design services, runway and other airfield pavement rehabilitation, terminal building improvements, and some debt service payments.
- State and federally funded grants for airport infrastructure projects for at least 40 general aviation airports – projects include land acquisition in runway approach/runway/taxiway safety areas, airfield pavement rehabilitation, airfield drainage system rehabilitation, runway lighting, fencing, and aircraft parking apron expansions.
- Additional funding for three general aviation airport economic development projects, which include site prep, taxiway and facility construction.
- Safety and maintenance projects for at least six airports – work includes pavement patching and repairs, crack sealing, sealcoats, and markings.
- Supporting and maintaining automated weather stations located at 33 airports across the state.
- FAA funded airport safety inspections at one-third of our states' public-use general aviation airports.
- Wildlife Hazard Assessments and training for at least six airports.
- Continued administration of the UAS (drone) testing and permitting program for NC drone operators.
- Increased integration of drone technologies into the department – includes training, fleet and mission management, and operations to support department requests.
- Support for NC's participation in the FAA UAS BEYOND Program – working closely with public and private industry to integrate UAS technology in the state.

# **SFY 2022 Spend Plan Assumptions**

- **Other Expenditures**
  - **Transfers to the Emergency Reserve Fund includes an additional transfer of \$61 million on July 2021 to meet the \$125 million requirement pursuant to S.L. 2020-3 (S704) Section 4.9**



**NORTH CAROLINA**  
Department of Transportation

# STIP Program Update

Joey Hopkins, PE – Deputy Chief Engineer – Planning  
Leigh Wing, PE – STIP Eastern Regional Manager

June 30, 2021



# Today's Topics

- Background
- Cost Estimation Improvement Process (CEIP)
- STI Committee for Reprioritization (STICR)
- STIP Cost Review
- Board Considerations





# Background

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## Recap from June – Initial Cost Development

Limited knowledge of projects at early stage when project is scored and programmed

- Lack of surveys, traffic forecast, and designs
- Project assumptions made early that could later affect cost
- Rising Right of Way and Construction costs

### GIS-based Cost Estimation Tool (CET)

- Based on user input, GIS data and per unit estimates
- Does not consider project specific details

## Recap from June – Committed Projects

NCDOT goal of creating additional stability and reliability for project delivery

- Deliver projects communicated to public
- Minimize spending dollars on projects that will not get built
- Minimize shifting of priorities

Still allow for flexibility and new projects to get funded through STI

- Allows for some changing of priorities
- Allows for adjusting of scoring criteria to reflect recommendations by the Prioritization Workgroup with approval by the Board of Transportation
- New opportunities/projects arise and NCDOT needs to be responsive

Currently once committed, always committed – with the exception of P5.0 projects subject to 2018 Guidelines on Reprioritization of Committed Projects (STICR)

# Summer 2020 Reprogramming

Project cost increases received September 2019 – June 2020, along with reduced revenues and cash issues, were largely responsible for the Summer 2020 STIP Reprogramming



Emphasized the need to improve accuracy of NCDOT's cost estimation practices

Multiple efforts currently underway

# Cost Estimation Improvement Process

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# Cost Estimation Improvement Process

Workgroup of NCDOT staff reviewed existing cost estimation process and made recommendations for improvements

## Major Findings:

- GIS-based Cost Estimation Tool results are often low
- Right of Way (ROW), Utilities (UTIL), and Construction (CON) estimates not always updated regularly and consistently distributed
- Lack of central data-repository for estimates led to multiple estimates for same project

## Goals:

- Create consistent, engrained process for updating estimates throughout NCDOT
- Ensure estimates are updated on a regular basis and properly distributed to all parties
- Create a single data-repository for all estimates

## Key Activities Underway

- Ensure all cost estimates are based on engineering analysis (Express Designs)
- All cost estimates will be updated at a minimum of every 2 years
  - Centrally let projects will have construction estimate updated prior to entering 12 Month Let List
  - ROW estimates will be updated prior to entering 6 month ROW list
- Ensure appropriate contingencies are accounted for at all stages
- Create a cost estimate application for storing and distributing estimates
- Value Engineering/Value Assessments

# STICR

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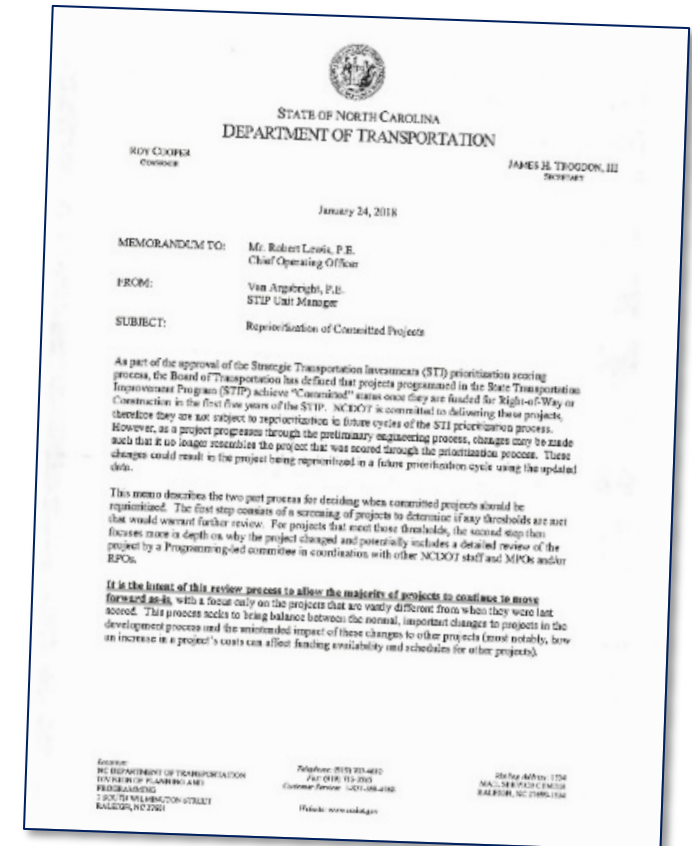
# STI Committee for Reprioritization (STICR)

Purpose – review projects that meet cost thresholds

- Cost threshold >35% or >\$25M from cost used in Prioritization
- Implemented for projects selected in P5.0+

## STICR Options:

- Project continues as is
- Modify project scope to reduce cost
- Reprioritize project in next Prioritization Cycle



# STIP Cost Review

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# STIP Cost Review


In Summer 2020, NCDOT staff reviewed all STIP highway cost estimates

- Recommendations made on estimates that needed updating

450+ projects

- Includes 1000+ estimates for ROW, UTIL, and CON
- Updating quantities and verifying scope accuracy
- Conducting Express Designs where needed
- Complete by Summer 2021

Division Engineers are approving all verified cost memos

  
STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J. ERIC BOYETTE  
SECRETARY

May 13, 2021

MEMO TO: Leigh Wing, PE  
STIP Eastern Region Manager

FROM: Bill Hammond, PE  
Corridor Development Engineer, Division 6

SUBJECT: Cost Verification – STIP Project U-6210, Cumberland County:  
SR 1104 (Strickland Bridge Road), From US 401 (Raeford Road) to SR 1107 (Fisher Road),  
Widen to four lane divided.


Verified Cost Estimate

Phase	Initial Estimate <sup>1</sup>	Previous Verified Estimate <sup>2</sup>	Latest Verified Estimate <sup>3</sup>	Latest Estimate and Previous Estimate Difference <sup>4</sup>		Latest Estimate Date
				(\$)	(%)	
Right-of-Way	\$11,100,000	\$15,000,000	\$15,000,000	\$0	0.0%	5/6/2021
Utilities	\$1,400,000	\$7,900,000	\$7,900,000	\$0	0.0%	5/6/2021
Construction	\$18,300,000	\$20,500,000	\$22,800,000	\$2,300,000	11.2%	5/10/2021
<b>Total</b>	<b>\$30,800,000</b>	<b>\$43,400,000</b>	<b>\$45,700,000</b>	<b>\$2,300,000</b>	<b>5.3%</b>	

The difference between the latest and previous estimated costs is:

*The Right-of-Way and Utilities Estimates were previously verified on May 6, 2021 and remain the same. The difference between the current and previous Construction Estimate is due to the increased 15% E&C and the increase to the Erosion Control unit price. The initial estimates were based on the P5.0 Cost Estimation Tool.*

Latest Right-of-Way estimate prepared by: Sarah White, Right-of-Way Branch  
Latest Utilities estimate prepared by: Barry W. Whitaker, Utilities Unit  
Latest Construction estimate prepared by: Karen M. Lovering, PE, Preliminary Estimates Unit

Approved by: Drew Cox, PE, Division Engineer, Division 6 

Estimates located at:  
<https://connect.ncdot.gov/site/scoping/Div06/H111244/Forms/By%20Topic.aspx>

# P6.0 Funding Availability – Committed & Non-Committed Projects

## Statewide Mobility

Available Funding	Programming Status
\$9.4B	\$2.79B Over

## Regional Impact

Region	Available Funding	Programming Status
A (D1 & D4)	\$588.8M	\$518.0M Over
B (D2 & D3)	\$855.1M	\$540.4M Over
C (D5 & D6)	\$1.56B	\$183.5M Over
D (D7 & D9)	\$1.17B	\$538.8M Over
E (D8 & D10)	\$1.46B	\$492.9M Over
F (D11 & D12)	\$784.0M	\$715.0M Over
G (D13 & D14)	\$609.2M	\$997.0M Over

## Division Needs

Division	Available Funding	Programming Status
1	\$506M	\$91.7M Over
2	\$506M	\$409.3M Over
3	\$506M	\$162.2M Over
4	\$506M	\$142.8M Over
5	\$506M	\$148.2M Over
6	\$506M	\$434.9M Over
7	\$506M	\$5.5M Over
8	\$506M	\$346.6M Over
9	\$506M	\$105.1M Over
10	\$506M	\$256.4M Over
11	\$506M	\$300.7M Over
12	\$506M	\$198.1M Over
13	\$506M	\$262.8M Over
14	\$506M	\$193.4M Over

Available funding based on 2024-2033 timeframe

# P6.0 Funding Availability – Committed Projects Only

## Statewide Mobility

Available Funding	Programming Status
\$9.4B	\$2.04B Over

## Regional Impact

Region	Available Funding	Programming Status
A (D1 & D4)	\$588.8M	\$172.7M Over
B (D2 & D3)	\$855.1M	\$346.0M Over
C (D5 & D6)	\$1.56B	\$15.4M Over
D (D7 & D9)	\$1.17B	\$404.9M Over
E (D8 & D10)	\$1.46B	\$450.8M Over
F (D11 & D12)	\$784.0M	\$249.2M Over
G (D13 & D14)	\$609.2M	\$756.8M Over

## Division Needs

Division	Available Funding	Programming Status
1	\$506M	\$30.8M Over
2	\$506M	\$121.0M Over
3	\$506M	\$108.7M Under
4	\$506M	\$192.0M Under
5	\$506M	\$128.3M Over
6	\$506M	\$123.2M Under
7	\$506M	\$91.7M Under
8	\$506M	\$22.1M Over
9	\$506M	\$49.8M Under
10	\$506M	\$38.9M Over
11	\$506M	\$54.1M Under
12	\$506M	\$144.1M Over
13	\$506M	\$165.5M Over
14	\$506M	\$80.1M Over

Available funding based on 2024-2033 timeframe

# Board Considerations

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# Inflation

- Inflation is accounted for in the STIP by reducing available revenue to program projects
- Inflation amount is evaluated as we begin each new STIP development process
- Currently, revenue is reduced by ~\$1B to account for inflation in the STIP

The Department would like Board input on how to handle inflation on future STIP programs.

# Strategic Transportation Investments (STI) Prioritization Workgroup

The law directs the Department to use a Work Group process to develop improvements to prioritization and states the Department can have no more than 50% representation.

The workgroup provides recommendations to the BOT for consideration and approval.

The workgroup is comprised of:

- MPOs & RPOs
  - 4 each and selected by their peers
- Local Government Advocacy Groups
  - Metro Mayors Coalition, League of Municipalities, Regional Council of Governments, Association of County Commissioners, NC Rural Center

50%

- NCDOT Division Engineers
- NCDOT Technical / Modal Staff

50%



## Questions for Prioritization Workgroup

- Continue or modify P6.0?
- Methodology used to determine funding schedules for 2024 -2033 STIP?
- Next STIP to include Committed projects only or Committed + Non -Committed projects?
- Input on STICR guidelines?
- Other requests or input for the Workgroup to consider?

# Discussion

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## **NORTH CAROLINA**

Department of Transportation



# Proposed 2021 GARVEE ISSUANCE

Michelle Overby, Funds Administration Manager

June 30, 2021

# 2021 GARVEE Bond Issuance

- \$300 million par
- Will fund 16 highway construction projects (see chart and map below)
- Expected low interest cost
- Supported by federal highway funding
- 8<sup>th</sup> GARVEE bond issuance since program created in 2005
- NCDOT seeks Board approval to move forward with the new money issuance

# GARVEE Debt Profile

**•To date seven New Money and one Refunding series have been issued pending approval:**

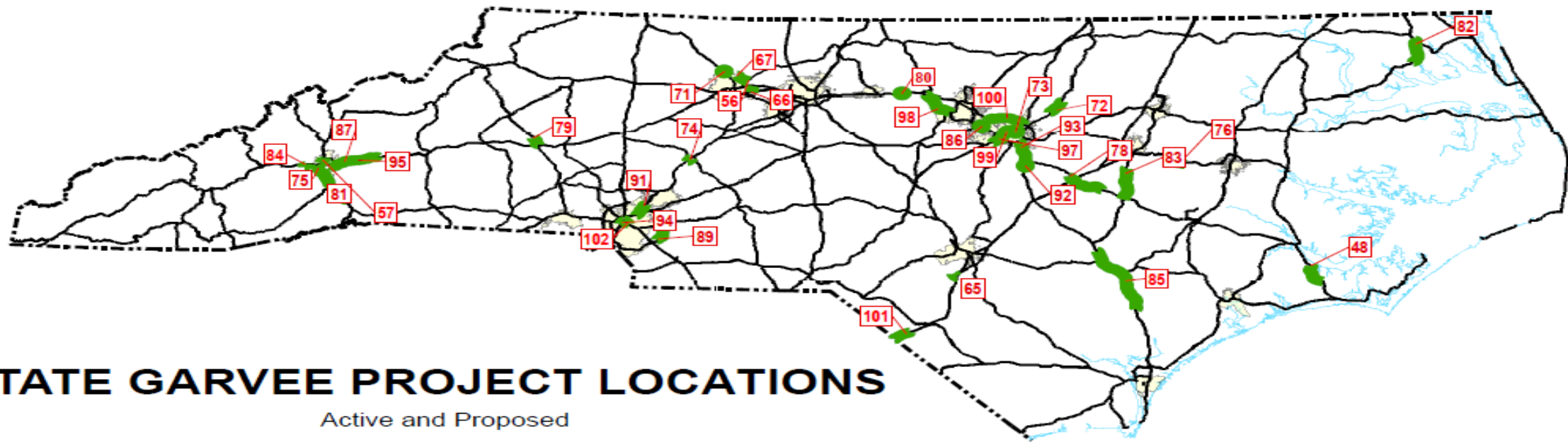
<b>•October 2007</b>	<b>\$287.6 million</b>
<b>•August 2009</b>	<b>\$242.5 million</b>
<b>•December 2011</b>	<b>\$145.5 million</b>
<b>•January 2012</b>	<b>\$179.5 million</b>
<b>•May 2015</b>	<b>\$264.9 million</b>
<b>•August 2017</b>	<b>\$224.6 million (Refunding)</b>
<b>•June 2019</b>	<b>\$600.0 million</b>
<b>•September 2021</b>	<b>\$371.0 million</b>

**•Currently \$875.87 million outstanding**

# 2021 GARVEE Projects

STIP	COUNTY	DESCRIPTION	ACTIVITY	MONTH/YEAR	Project Cost	GARVEE AMOUNT
I-3306A	ORANGE	I-40 WIDENING	ROW/CON	August 2021	\$184,391,000	\$55,000,000
U-2579AB	FORSYTH	WINSTON SALEM LOOP	CON	December 2021	\$212,000,000	\$60,000,000
U-4700A	CATAWBA	US 321 WIDENING	ROW	UNDERWAY	\$64,000,000	\$35,000,000
I-4759	BUNCOMBE	I-40/LIBERTY ROAD INTERCHANGE	ROW	UNDERWAY	\$12,000,000	\$6,000,000
I-4400C	BUNCOMBE/HENDERSON	I-26 WIDENING	CON	UNDERWAY	\$271,226,965	\$20,000,000
R-1015	CRAVEN	US 70 HAVELOCK BYPASS	CON	UNDERWAY	\$183,208,716	\$65,000,000
U-2519AA	CUMBERLAND/ROBESON	FAYETTEVILLE OUTER LOOP	CON	UNDERWAY	\$129,749,000	\$40,000,000
I-5940	PENDER/DUPLIN	I-40 PAVEMENT REHAB	CON	UNDERWAY	\$27,824,419	\$15,000,000
R-2247EB	FORSYTH	WINSTON SALEM LOOP	CON	UNDERWAY	\$134,150,000	\$10,000,000
R-2814C	FRANKLIN/WAKE	US 401 WIDENING	CON	UNDERWAY	\$37,883,883	\$10,000,000
U-2579D	FORSYTH	WINSTON SALEM LOOP	CON	UNDERWAY	\$140,778,000	\$10,000,000
I-5711	ALAMANCE	I-40/I-85 INTERCHANGE IMPROVEMENTS	CON	UNDERWAY	\$12,000,000	\$5,000,000
I-5997	WAKE	I-440/US 1 PAVEMENT REHAB	CON	January 2022	\$18,900,000	\$10,000,000
I-5999	WAKE	I-540 PAVEMENT REHAB	CON	December 2021	\$33,400,000	\$15,000,000
I-5939	ROBESON	I-95 PAVEMENT REHAB	CON	October 2021	\$13,200,000	\$5,000,000
I-5746C	MECKLENBURG	I-277 PAVEMENT REHAB	CON	October 2021	\$25,700,000	\$10,000,000
					\$1,500,411,983	\$371,000,000





## STATE GARVEE PROJECT LOCATIONS

Active and Proposed

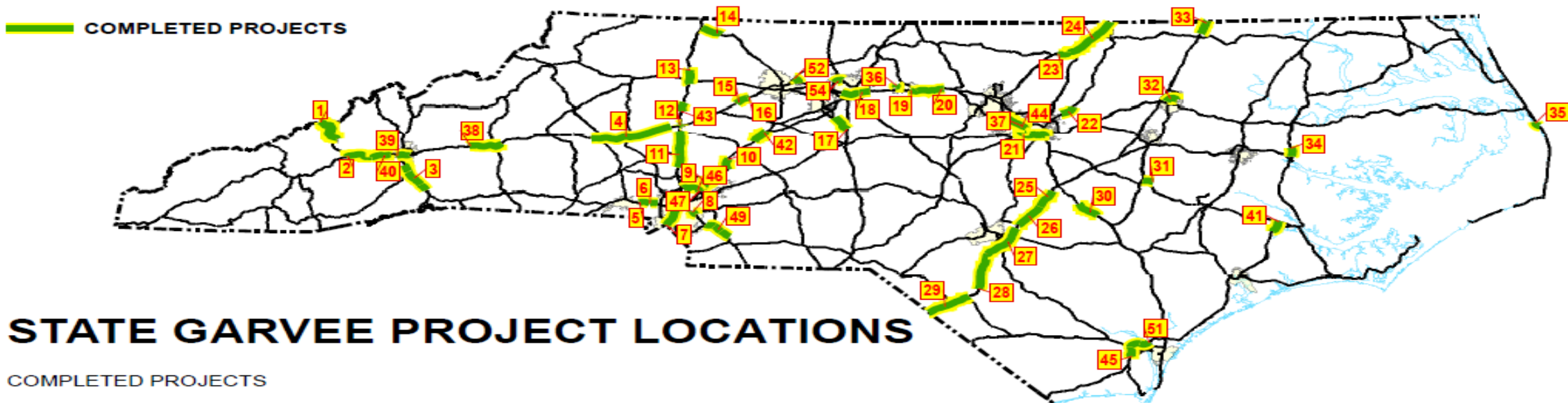
### Active Projects

- 56. U-2579C & ROW: WINSTON-SALEM NORTHERN BELTWAY IN FORSYTH COUNTY
- 73. I-5708: I-440 / US 1 IN WAKE COUNTY
- 74. I-5858: I-85 IN ROWAN COUNTY
- 75. I-4700: I-26 IN BUNCOMBE COUNTY
- 76. I-6032: US 264 (FUTURE I-587) IN GREENE COUNTY
- 78. I-6044: US 70 (FUTURE I-42) IN JOHNSTON COUNTY
- 82. I-6029: US 17 (FUTURE I-87) IN PASQUOTANK COUNTY
- 83. I-6047: I-795 IN WAYNE COUNTY
- 86. I-5700: I-40 IN WAKE COUNTY
- 87. I-6063: I-40 IN BUNCOMBE COUNTY
- 89. I-5904: I-485 IN MECKLENBURG COUNTY
- 91. I-5826: I-85 IN MECKLENBURG COUNTY
- 92. I-4739: ROW - I-40 IN JOHNSTON COUNTY
- 93. I-5111: ROW - I-40 IN WAKE COUNTY
- 94. I-5769: I-77 IN MECKLENBURG COUNTY
- 95. I-5890: I-40 IN BUNCOMBE COUNTY
- 97. U-2719 & ROW: I-440/US 1 IN WAKE COUNTY

### Proposed Projects

- 48. R-1015\*: US 70 HAVELOCK BYPASS IN CRAVEN COUNTY
- 65. U-2519AA\*: I-95 FAYETTEVILLE OUTER LOOP IN CUMBERLAND AND ROBESON COUNTIES
- 66. U-2579AB: WINSTON-SALEM NORTHERN BELTWAY IN FORSYTH COUNTY
- 67. U-2579D\*: WINSTON-SALEM NORTHERN BELTWAY IN FORSYTH COUNTY
- 71. R-2247EB\*: WINSTON-SALEM BELTWAY/US 52 INTERCHANGE IN FORSYTH COUNTY
- 72. R-2814C\*: US 401 IN FRANKLIN AND WAKE COUNTIES
- 79. U-4700A\*: ROW - US 321 IN CATAWBA, BURKE AND CALDWELL COUNTIES
- 80. I-5711\*: I-40/I-85 INTERCHANGE IMPROVEMENTS IN ALAMANCE COUNTY
- 81. I-4400BB\*: I-26 IN HENDERSON COUNTY
- 84. I-4759\*: ROW - I-40/SR 1228 LIBERTY ROAD IN BUNCOMBE COUNTY
- 85. I-5940\*: I-40 IN DUPLIN AND PENDER COUNTIES
- 98. I-3306A & ROW: I-40 IN ORANGE COUNTY
- 99. I-5997: I-440/US 1 IN WAKE COUNTY
- 100. I-5999: I-540 PAVEMENT REHAB IN WAKE COUNTY
- 101. I-5939: I-95 PAVEMENT REHAB IN ROBESON COUNTY
- 102. I-5746C: I-277 PAVEMENT REHAB IN MECKLENBURG COUNTY

\* Active projects with additional GARVEE amounts proposed.



## STATE GARVEE PROJECT LOCATIONS

### COMPLETED PROJECTS

1. I-4910: I-40 IN HAYWOOD COUNTY
2. I-5004: I-40 IN HAYWOOD COUNTY
3. I-5005A & I-4920: I-26 IN BUNCOMBE AND HENDERSON COUNTIES
4. I-5003: I-40 IN CATAWBA AND IREDELL COUNTIES
5. I-5007: I-85 IN GASTON COUNTY
6. I-5006: I-85 IN MECKLENBURG COUNTY
7. I-4720: I-77 IN MECKLENBURG COUNTY
8. U-209B: US 74 WIDENING IN MECKLENBURG COUNTY
9. I-3803B: I-85 WIDENING IN CABARRUS COUNTY
10. I-4718: I-85 IN ROWAN COUNTY
11. I-4723: I-77 IN IREDELL COUNTY
12. I-3819A: I-40/I-77 INTERCHANGE IN STATESVILLE
13. I-2808A: I-77 IN YADKIN COUNTY
14. I-5002: I-74 IN SURRY COUNTY
15. I-3600: I-40 IN DAVIE COUNTY
16. B-3637: I-40/NC 801 INTERCHANGE IN DAVIE COUNTY
17. R-2606B: US 311/FUTURE I-74 IN RANDOLPH COUNTY
18. I-4715: I-40/BUSINESS 85 IN GUILFORD COUNTY
19. I-4714: I-40/I-85 IN ALAMANCE COUNTY
20. I-4918: I-40/I-85/ IN ALAMANCE AND ORANGE COUNTIES
21. I-4709: I-40 IN WAKE COUNTY
22. R-2814B: US 401 ROLESVILLE BYPASS IN WAKE COUNTY
23. I-2810: I-85 IN VANCE COUNTY
24. I-4904: I-85 IN VANCE AND WARREN COUNTIES
25. I-4906: I-95 IN HARNETT COUNTY
26. I-4915: I-95 IN CUMBERLAND COUNTY
27. I-4917: I-95 IN CUMBERLAND COUNTY

28. I-4711: I-95 IN ROBESON COUNTY
29. I-4914: I-95 IN ROBESON COUNTY
30. I-5001B: I-40 IN SAMPSON COUNTY
31. R-2554BA: US 70 GOLDSBORO BYPASS IN WAYNE COUNTY
32. R-2823: ROCKYMOUNT NORTHERN CONNECTOR IN NASH COUNTY
33. I-4913: I-95 IN NORTHAMPTON COUNTY
34. R-2510C: US 17 IN BEAUFORT COUNTY
35. B-5014A: NC 12 OREGON INLET BRIDGE REPAIRS
36. U-3110B: NEW ROUTE IN ALAMANCE COUNTY
37. I-4744: I-40 IN WAKE COUNTY
38. I-4908BB: I-40 IN MCDOWELL COUNTY
39. I-5108: I-40 IN BUNCOMBE COUNTY
40. I-5109: I-40 IN BUNCOMBE COUNTY
41. R-2301A: US 17 NEW BERN BYPASS IN CRAVEN COUNTY
42. I-2304AC & ROW: I-85 IN ROWAN AND DAVIDSON COUNTIES
43. I-5106: I-77 IN IREDELL COUNTY
44. I-5112: I-40 & SR 1728 IN WAKE COUNTY
45. R-2633AA: US 17 WILMINGTON BYPASS IN NEW HANOVER COUNTY
46. R-2248E: I-485 CHARLOTTE OUTER LOOP IN MECKLENBURG COUNTY
47. R-2123CE: I-485/I-85 INTERCHANGE IN MECKLENBURG COUNTY
49. R-3329 & ROW: US 74 MONROE BYPASS IN UNION COUNTY
51. R-2633BA & BB: WILMINGTON BYPASS IN NEW HANOVER COUNTY
52. U-2579B: WINSTON-SALEM LOOP IN FORSYTH COUNTY
54. U-2524C: GREENSBORO WESTERN LOOP IN GUILFORD COUNTY



# Summary of GARVEE Cost Funding

- Of the total 80 identified GARVEE Projects, only those allocated or expected to be allocated proceeds of GARVEE Bonds are listed in the following table.
- The amounts shown for each project are for work associated with the particular NCDOT STIP number. Certain projects so listed are segments of larger NCDOT projects.
- In addition, the amounts listed reflecting the use of proceeds (including premiums on sale) of the Bonds and other GARVEE Bonds are estimates and could change.
- Such amounts are only included to provide information on the relative costs of such projects and the likely sources of financing.

Project (Map Location)	STIP#	Prior Years Bonds Including Premium	2021 GARVEE Bonds	Total GARVEE Funding	Total Project Costs
16	B-3637	10,094,181		10,094,181	12,482,696
30	B-5014A	11,745,207		11,745,207	15,647,321
42	I-2304AC & RW	122,175,372		122,175,372	161,279,008
98	I-3306A		51,000,000	51,000,000	175,000,000
98	I-3306A RW		4,000,000	4,000,000	9,391,000
9	I-3803B	62,174,722		62,174,722	131,417,065
12	I-3819A	43,954,679		43,954,679	93,525,978
81	I-4400BB & C	73,911,307	20,000,000	93,911,307	271,226,965
75	I-4700	54,000,000		54,000,000	263,010,000
92	I-4739 RW	15,000,000		15,000,000	26,950,000
37	I-4744	40,418,572		40,418,572	55,293,558
84	I-4759 RW		6,000,000	6,000,000	12,000,000
93	I-5111 RW	15,000,000		15,000,000	36,945,000
86	I-5700	10,000,000		10,000,000	34,895,403
73	I-5708 RW	1,000,000		1,000,000	14,806,000
80	I-5711		5,000,000	5,000,000	12,000,000
102	I-5746C		10,000,000	10,000,000	25,700,000
90	I-5769	3,038,925		3,038,925	10,448,341
91	I-5826	2,000,000		2,000,000	6,334,575
74	I-5858	10,000,000		10,000,000	16,273,639
95	I-5890	18,000,000		18,000,000	28,673,994
89	I-5904	6,049,190		6,049,190	7,013,554
101	I-5939		5,000,000	5,000,000	13,200,000
85	I-5940	9,000,000	15,000,000	24,000,000	27,824,419
99	I-5997		10,000,000	10,000,000	18,900,000
100	I-5999	3097	15,000,000	15,000,000	33,400,000
82	I-6029	3,203,797		3,203,797	4,643,184

Project (Map Location)	STIP#	Prior Years Bonds Including Premium	2021 GARVEE Bonds	Total GARVEE Funding	Total Project Costs
76	I-6032	3,833,590		3,833,590	6,000,000
77	I-6035	11,446,093		11,446,093	16,457,573
78	I-6044	5,075,132		5,075,132	5,243,527
83	I-6047	3,775,252		3,775,252	5,050,505
87	I-6063	5,000,000		5,000,000	22,271,239
48	R-1015 & RW	41,000,000	65,000,000	106,000,000	183,208,716
47	R-2123CE	38,745,528		38,745,528	114,959,319
71	R-2247EB	65,000,000	10,000,000	75,000,000	134,150,000
46	R-2248E	12,466,440		12,466,440	172,153,933
41	R-2301A	31,118,939		31,118,939	43,120,680
34	R-2510C	3,201,121		3,201,121	7,571,849
31	R-2554BA	68,152,567		68,152,567	69,445,519
17	R-2606B & RW	89,360,000		89,360,000	128,124,040
45	R-2633AA	31,050,000		31,050,000	78,078,984
51	R-2633BA/BB	145,271,229		145,271,229	204,051,402
22	R-2814B & RW	28,067,500		28,067,500	58,603,696
72	R-2814C	23,000,000	10,000,000	33,000,000	37,883,883
32	R-2823	31,317,889		31,317,889	35,764,844
8	U-0209B & RW	40,542,170		40,542,170	180,119,463
65	U-2519AA/AB	71,000,000	40,000,000	111,000,000	129,749,000
54	U-2524C	97,734,189		97,734,189	128,944,608
66	U-2579AB		60,000,000	60,000,000	212,000,000
52	U-2579B	56,602,130		56,602,130	161,699,947
56	U-2579C RW	6,500,000		6,500,000	8,685,000
67,68,69	U-2579D/E/F	92,000,000	10,000,000	102,000,000	140,778,000
97	U-2719 & RW	152,000,000		152,000,000	431,698,000
36	U-3110B	10,543,946		10,543,946	14,820,770
79	U-4700A RW		35,000,000	35,000,000	64,000,000
	Various	254,066,330		254,066,330	351,802,054
		\$ 1,928,635,997	\$ 371,000,000	\$ 2,299,635,997	\$ 4,664,718,251

# Series 2021 Financing Timetable

Date	Activity
August 6 - 11	Rating Agency Calls
August 16	Receive Ratings
August 16	Mail POS
August 23	Pricing
September 6	Expected Closing



North Carolina Department of Transportation  
Materials and Tests Unit – Product Evaluation Program  
Innovative Technologies and Products Awareness Report  
June 30<sup>th</sup>, 2021



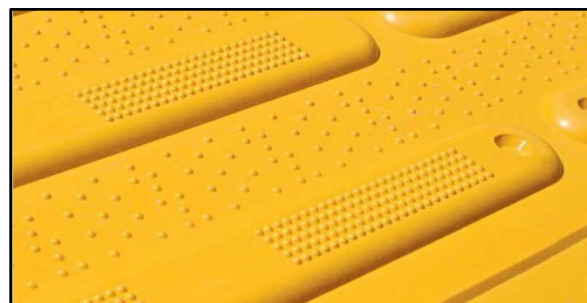
## PRODUCT HIGHLIGHT – Directional Bar Tiles



*Directional Bar Tiles used to delineate between pedestrian and traffic zones – image from ADA Solutions, Inc. brochure*

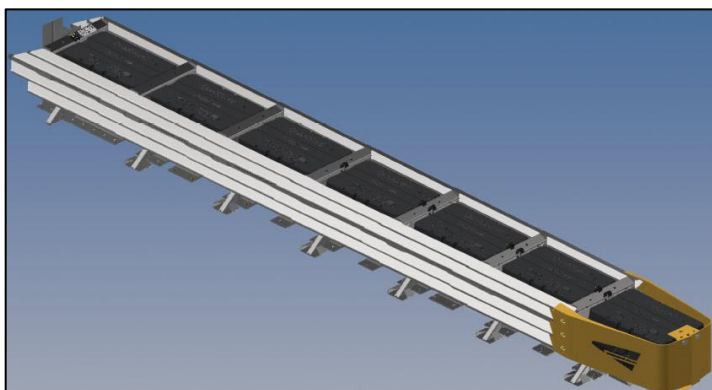
Directional Bar Tiles are manufactured by ADA Solutions, Inc. out of Wilmington, Massachusetts. It is currently listed as under evaluation on the Approved Products List (APL) as NP21-8847. Directional Bar tiles are thin surfaced paver products applied to concrete pedestrian facilities. They function as a tactile wayfinding product that provides directional assistance to visually impaired pedestrians in areas where an easily identifiable walking path may otherwise not be readily apparent. The Bar Tiles can be cast-in-place (wet-set) into the concrete surface, or surface mounted on existing concrete. The tiles feature raised bars 1.3 inches wide, 11 inches long, and spaced 3 inches on center. For more information, please visit:

<https://adatile.com/>



*Close-up view of Directional Bar Tiles – image from ADA Solutions, Inc. brochure*

## PRODUCT INNOVATION – QuadGuard® M10 Wide



*3-D CAD view of QuadGuard® M10 Wide – image from Trinity Highway Products brochure*

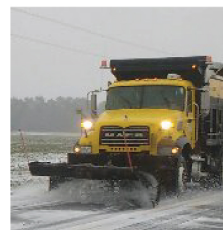
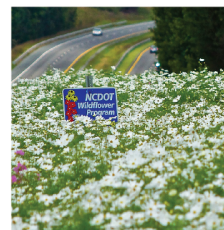
The QuadGuard® M10 Wide is manufactured by Trinity Highway Products, LLC out of Addison, Texas. It is currently under evaluation and listed on the APL as NP20-8836. The QuadGuard® M10 Wide is a re-directive, non-gating impact attenuating crash cushion used to shield fixed objects up to 69 inches wide. The QuadGuard® M10 Wide is AASHTO MASH 2016 (Manual for Assessing Safety Hardware) Test Level 3 (TL-3) compliant (TL-3 includes car and truck impacts up to 62 mph). The QuadGuard® M10 Wide has various transition options depending upon the installation and includes replaceable cartridges. The system may also potentially be reusable after an impact, within the MASH specified criteria. For more information, please visit <https://trinityhighway.com/product/quadguard-m10/>





## **NORTH CAROLINA**

Department of Transportation



# Back Office Modernization

Michelle Edelen, Director Customer  
Compliance Service

June 30, 2021

# Automation of Out of State Speeding Citations

- In conjunction with DIT, utilized a 3<sup>rd</sup> party automation solution from SYPHT Corp
- Uses Optical Character Recognition (OCR) to read and process records
- Project began 11/1/19 and ended 12/16/20

Total # of out of state speeding citations processed by SYPHT	Total # of records processed into the state SADLS system	Percent of records processed by SYPHT automation	Total # of records processed manually by the Data Capture Imaging Unit	Percentage of violations processed by the Data Capture Imaging Unit	Time saved through automation
197,192	94,623	54.7%	78,232	45.3%	3.5 months

# Ignition Interlock Unit Process Support Tool (PST)

- Initiative began as a DIT developed automation Tool in September 2019
- Began processing Violations/Loggers:
  - 1/11/21 through 5/25/21

Total # of Violations/Loggers received from IIMS Vendors	Total # of Violations/Loggers auto processed by Process Support Tool	Percentage of Violations/Loggers auto processed by Process Support Tool	Total# of Violations/Loggers manually processed by Ignition Interlock Unit	Percentage of Violations/Loggers manually processed by Ignition Interlock Unit	Daily average count of Violations/Loggers manually processed by Ignition Interlock Unit
41,390	37,040	89.5%	4,350	10.5%	45 (96 business days)



# Batch Deletion of Expunctions

- Initiative began as a DIT developed automation Tool in September 2019
- Automation to identify and delete expunctions
- Began batch deletion of Expunctions:
  - 12/10/20 through 4/30/21

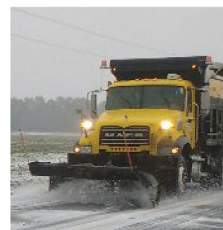
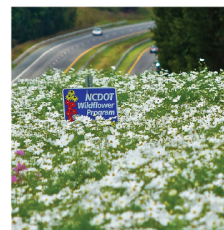
Total # of Expunctions	Total # of Expunctions processed by DIT automation	Percentage of Expunctions processed by DIT automation	Total # of Expunctions processed by the Adjudications Unit	Percentage of Expunctions processed by the Adjudications Unit	Date all manual Expunctions were completed
4,075	3,381	82.97%	694	17%	April 30, 2021

# Benefits of Back Office Modernization

- Reduction in backlog
- Identification and leveling of workload
- Increased opportunities for cross-training
- Served as a learning laboratory
- Identified staffing needs across the Section
- Ability to redirect staff to assist with other workload



## **NORTH CAROLINA** Department of Transportation



# Driver Services Peak Season Update

Director Charlotte Boyd-Malette

June 30, 2021

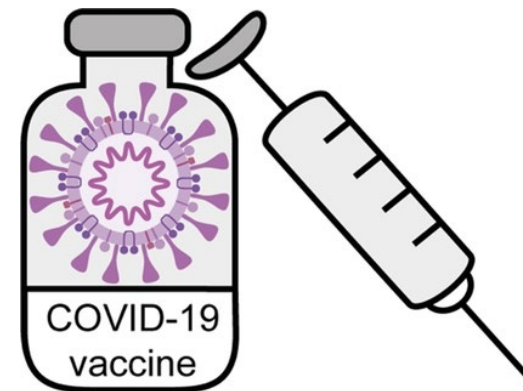
# Agenda

- Impacts From COVID-19 & Countermeasures
- Strategy: Countering COVID-19 to Reopen DLOs
  - BEADLE
  - Online Appointment Strategy
  - Other initiatives
- Calendar Timeline
- Summary

# COVID-19

## Counter Measures during Peak Season

- Mandatory face covering for in-vehicle road test only
- Temperature checks conducted prior to in-vehicle road test
- Plexiglass dividers will remain at examiner workstations
- Regularly sanitize workstations throughout the workday
- Continue promoting regular hand washing
- Promote and make vaccination available





## Revised “Normal” Operations as of May 15, 2021

- All Driver License Offices (DLOs) opened except 3
  - Asheville Express - maintenance
  - Marshall - relocating
  - Edenton - maintenance
- Resumed all in-vehicle road testing
- Eased Social Distancing requirements per Executive Order 215
- Expanded Online Services (e.g., ID Card Duplicate, Teen Full Provisional Level 3 to DL Original).
- Resumed Weekday Extended Hour Operation (25 DLOs opening at 7am)
- Resumed Saturday Operations (8am-12pm) at 16 DLOs across the state





# BEADLE



Volume (Demand)

- Reinstated Walk-ins across the state (appointments have priority)
- Increased Appointment Strategy by decreasing the appointment timeslots (from 20 min to 15 min )
- Online Booking (Online Appointment Scheduling)
- Communications Strategy for Predictability (media and in-office)
- Increased appointment schedule availability from 45-days to 75 days. Phase II provide availability up to 6 months
- Conducted 6000 teen-driver road tests within a six-week period. A total of **14,000** road test were completed across the state during that time



Efficiency (Productivity)

- Performance Management System
- Metrics and Targeted Performance
- Performance Review Process (DMV Scorecard)
- Facilitator tasks; announcements and improved customer reception and screening)
- Overall goal for 80% of examiners is to achieve performance requirements (*will improve w/ vacancy fills*)



Capacity (Supply)

- Added Raleigh Central Services office with 15 workstations
- Enhanced Examiner Relief Assignments
- Reinstated Extended hour on weekdays
- Reinstated Saturday operations
- Reinstated express lanes at the larger DLOs
- Designated stations in each office to assist walk-in customers





# Online Appointment Scheduling

Driver License - First Time	Driver License Duplicate	Driver License Renewal
Fees	ID Card	Knowledge / Computer Test
Legal Presence	Motorcycle Skills Test	Permits
Teen Driver Level 1	Teen Driver Level 2	Teen Driver Level 3
		Road Test Only

For additional questions or concerns, [send a message](#) or call the NCDMV Customer Contact Center at (919) 715-7000 from 8 a.m. until 5 p.m. weekdays.

The Division implemented Online Appointment Scheduling (OAS) in Phases. The Phase 1 OAS (with 20-minute time segments) was implemented on February 22, 2020 in select pilot locations. The public began scheduling online appointments on March 2, 2020. To date, Phase 1 proved extremely successful prior to and especially during the pandemic restrictions. This application enabled the Division to better comply with CDC and DHHS guidance on social distancing.

As of March 2021, the Division replaced the 20-minute calendar templates with 15-minute time segments which increased capacity and expanded calendar availability range from 30 to 45 days out for booking appointments. In April 2021, DMV moved to expand walk-in capacity after the Governor relaxed COVID-19 restrictions. Each DLO has at least 1 workstation designated to assist walk-in customers and 16 DLOs operate each Saturday from 8am-12pm assisting customers on a walk-in basis. This allows the Division accommodate the anticipated demand for Real ID, Road Test and customers who are not able to schedule appointments.

Phase 2 of OAS testing was completed and implement May 28, 2021. These enhancements provides visual changes and upgrades to the customer check-in kiosk, an improved DLO locator, a refined mass cancellation notification process with text messaging and email capability, a new tab for Road Test Only appointments, and other visual improvements to staff kiosks and in-house calendars.



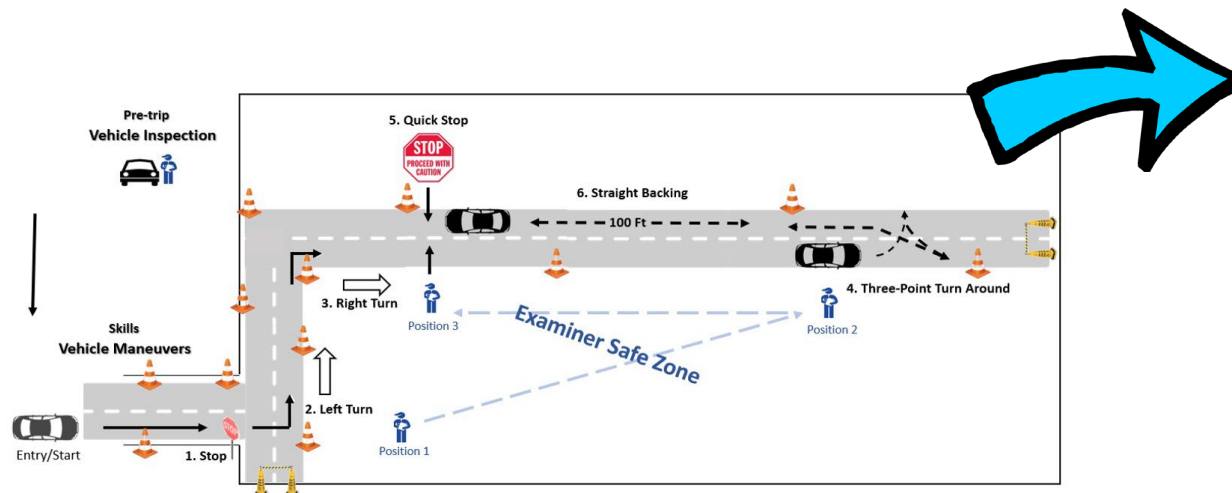


## Transition from Contactless (CRT) to Regular Road Tests

### **Pent-up Demand:**

*In April 2021 there were approx. 6000 RTs waiting to be scheduled that were carry-overed into May 2021*

**As of May 25, 2021:** DMV scheduled the 6000+ backlog appointment request and reinstated in-vehicle “regular class C” road test. Please note: CRT may be conducted in extenuating circumstances.





# Other Initiatives

- New and Relocated DLOs (5)
  - Greenville; New Bern; Asheville Express; Thomasville; Raleigh Central Services (***all completed***)
- Outreach initiatives and special consideration:
  - H2A Farmworkers; Commercial Drivers; First Responders, Homeless and Inmates (*all ongoing*)
- Student Online Testing in partnership w/ DPI (procurement review process ongoing)
- Legislative mandates-As of May 24, 2021, SB 69 temporarily changed the requirements for Level 2 drivers. The 12-month requirement to hold the DL was temporarily changes to 6 months. This mandate expires December 31, 2021.
- Interpreter Assisted Testing (ongoing)
  - Over the Phone Interpreters
  - Minimizes in-person translation
  - *Due to enhanced availability of Over the Phone Interpreters, there is no increase in demand for in-person translators.*



Office	County	Terminal	Legend
Greenville	Pitt County	11	
Jacksonville	Onslow County	7	
Fayetteville West	Cumberland County	9	
Wilmington South	New Hanover County	6	
Durham South	Durham County	7	
Raleigh North	Wake County	11	
Greensboro West	Guilford County	12	
Greensboro East	Guilford County	7	
Hudson	Caldwell	5	
Winston-Salem South	Forsyth County	8	
Charlotte North	Mecklenburg County	16	
Charlotte South	Mecklenburg County	10	
Huntersville	Mecklenburg County	12	
Monroe	Union County	9	
Asheville	Buncombe County	12	
Hendersonville	Henderson County	5	

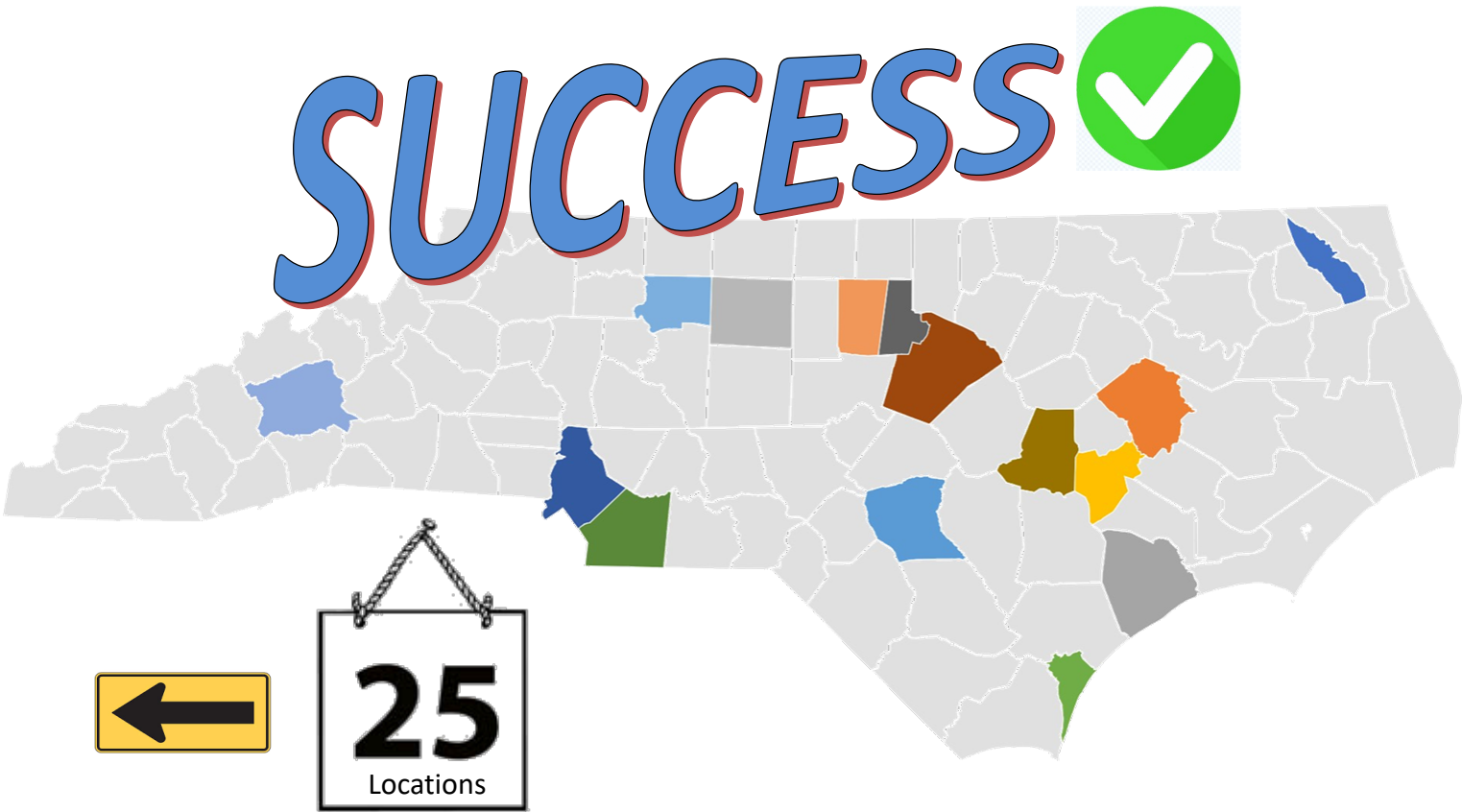


# Saturday Hours Operation





Office	County	Terminals	Legend
Elizabeth City	Pasquotank County	5	
Greenville	Pitt County	11	
Jacksonville	Onslow County	7	
Kinston	Lenoir County	5	
Fayetteville West	Cumberland County	9	
Wilmington North	New Hanover County	6	
Wilmington South	New Hanover County	6	
Cary	Wake County	8	
Durham South	Durham County	7	
Goldsboro	Wayne County	5	
Raleigh North	Wake County	11	
Raleigh West	Wake County	13	
Wendell	Wake County	4	
Carrboro	Orange County	5	
Greensboro East	Guilford County	7	
Greensboro West	Guilford County	12	
Winston-Salem North	Forsyth County	6	
Winston-Salem South	Forsyth County	8	
Charlotte East	Mecklenburg County	11	
Charlotte North	Mecklenburg County	16	
Charlotte South	Mecklenburg County	10	
Charlotte West	Mecklenburg County	11	
Huntersville	Mecklenburg County	12	
Monroe	Union County	9	
Asheville	Buncombe County	12	










7am Extended Weekday Hours Operation



# May 2021

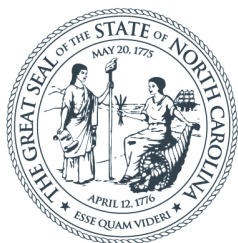
**Full DL Services:** Duplicates, Renewals, Original  
"First-time" Drivers, Teen, Permits & ID Cards

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
25	26	27	28	29	30 Discontinue CRT Services 	1
2	3  Resume In-vehicle Road Testing 	4	5	6	7	8
9	10  Start of Peak Season & Extended Hour Services (7am - 5pm Offices)	11	12	13	14  	15  Resume Saturday Hours 8am - 12pm
16	17	18	19	20	21	22
23	24 SB 69 Approved	25 Added Road Test tab to the Online Appointment Scheduler	26 Increased appointment scheduling capacity from 45-day to 120- day range.	27	28 Projected OAS-2 Implementation	29
30	31					



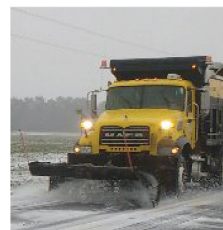
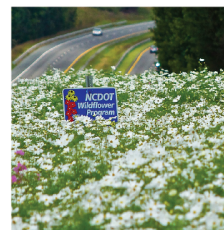
# Summary





## **NORTH CAROLINA**

Department of Transportation



# Virtual Training Section

Lethia Williams, Lead Trainer

June 30, 2021

# Project Background and Need

- Initial concept in April 2020 as part of Commissioner Torre Jessup's virtual initiatives
  - Several school districts expressed interest in training school bus drivers virtually
  - The Covid-19 pandemic pushed the project to the forefront
- The Virtual School Bus Class enables the Training and Development Unit to:
  - Better allocate human resource hours, training more drivers with fewer personnel
  - Train drivers quicker by streamlining the process
  - Ensure training across the state is consistent and meets the highest standards of 21<sup>st</sup> century best instructional practices



# Project Scope

- School Bus drivers are required to have Class B CDL's with the P (passenger) and S (school bus) endorsements
  - Training consists of 2 parts
    - Theory (classroom)
    - Behind-the-Wheel (practical)
  - The Virtual School Bus Class offers an alternative to the in-person theory instruction with an online format.
    - To meet Federal Motor Carrier Requirements instruction must be delivered live by the instructor

# Pilot

- The pilot project was launched in coordination with Wake County Public Schools (WCPSS) in April 2020
- The first pilot class was taught in September 2020
  - Additional pilot classes were held through the end of 2020

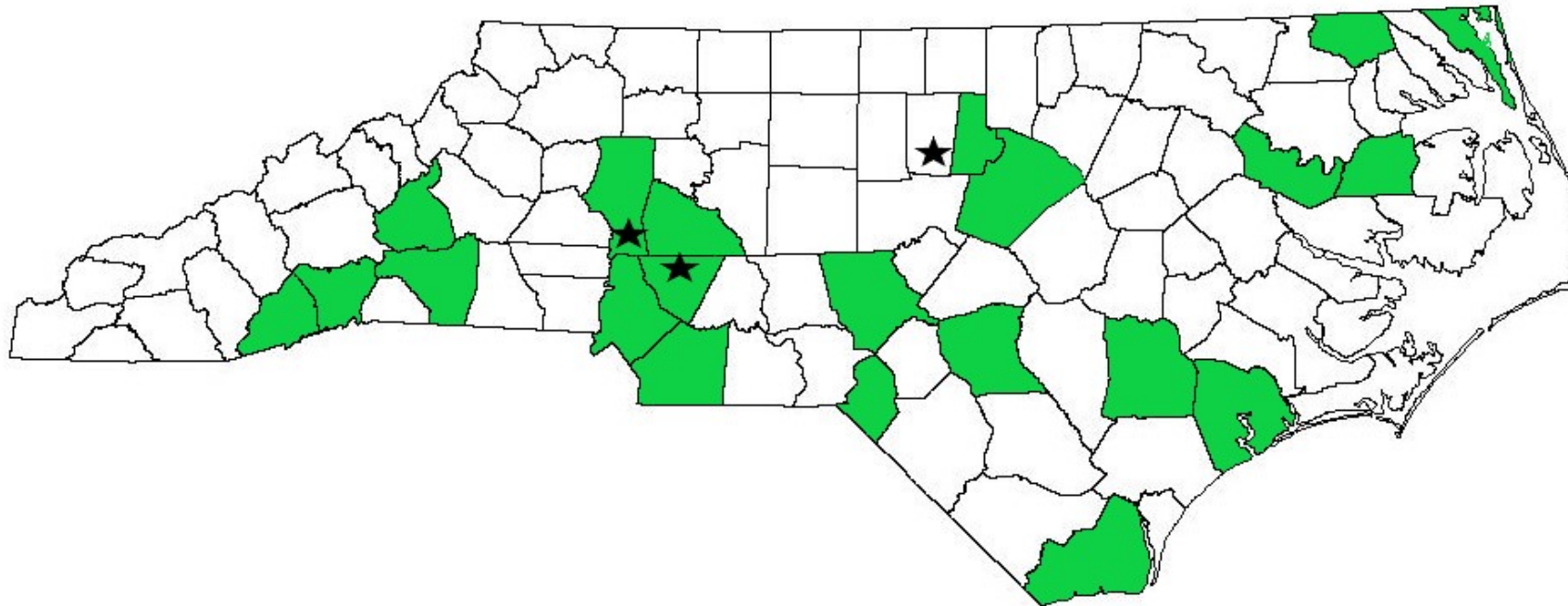
# The Virtual Training Section

- The Virtual Training Section was formed in preparation for the statewide launch of the Virtual Bus Class
  - Six Driver Education Program Specialists (DEPS) were selected as Virtual Instructors
  - The Virtual Instructors assist the field trainers with testing and other duties when needed

# Statewide Launch

- In January 2021 the Virtual Bus class was offered to school districts statewide
  - The first statewide class was held March 1-5, 2021
  - 3 subsequent statewide classes have been held
  - We are scheduling 2 classes per month from this point out
  - Currently have 24 school districts participating
    - Wake, Charlotte-Mecklenburg, Cumberland, Union, Cabarrus, Durham, Onslow, Iredell, Rowan, Henderson, Brunswick, Chapel Hill-Carrboro, Duplin, Rutherford, Mooresville, McDowell, Currituck, Gates, Washington, Moore, Scotland, Transylvania, Kannapolis, Martin
  - Actively recruiting additional districts

# Participating School Districts

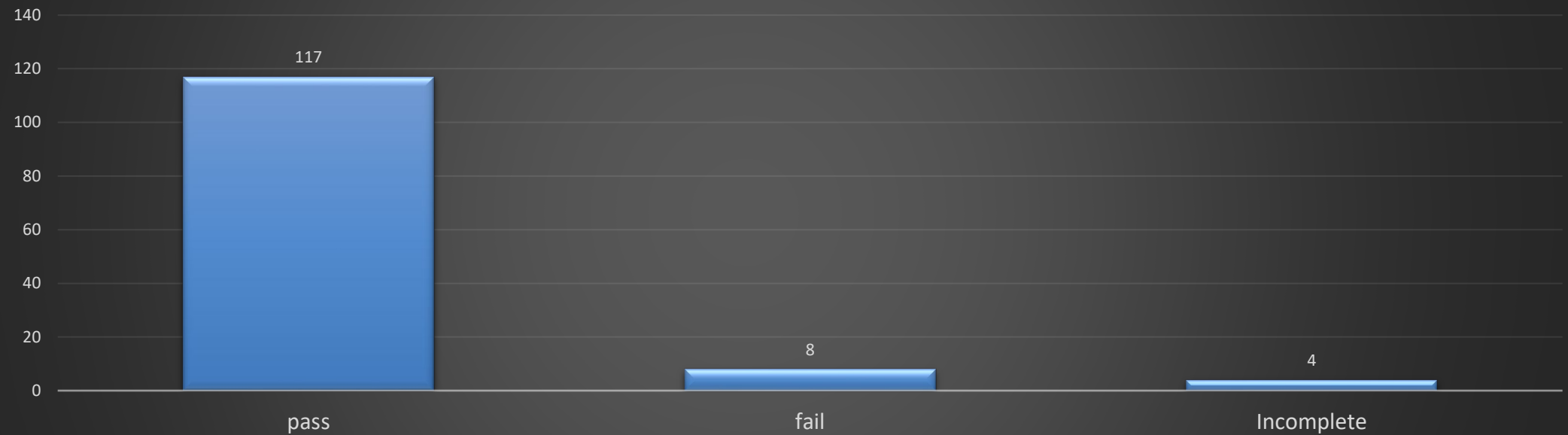


\* Represents city school districts within the counties



# Results

Pass Rate





# Next Steps

- Class capacity increased to 200 beginning in June
  - Classes will be held twice a month
- Considering expanding VTS
  - Commercial Driver's Education Schools
  - Defensive Driving Class (DDC) and Driver Improvement Class (DIC)
    - Forest Service: Completed 3 pilot classes totaling 127 people

# Questions?



# Contact Information

Tim Hayworth

Director,

Training and Development

NCDMV

Office: 919-615-7402

[tphayworth1@ncdot.gov](mailto:tphayworth1@ncdot.gov)

Lethia Williams

Lead

Virtual Training Section

NCDMV

Cell: 910-214-8333

[lbwilliams1@ncdot.gov](mailto:lbwilliams1@ncdot.gov)



## **NORTH CAROLINA** Department of Transportation



# Looking Ahead to Automated Vehicles on NC Highways

Joe Hummer, PhD, PE, State Traffic Management Engineer

For Board of Transportation, Highways Committee, June 2021

# Disclaimer

- Most of this presentation is my personal opinion, not NCDOT policy or NC law
  - Based in part on my book “Driverless America” published by SAE in 2020
- Graphics are property of rightful owners
  - Do not reproduce graphics unless indicated that they belong to me or NCDOT
- No endorsement of any product is intended

# Objectives

- How will AVs affect NC highways?
- What can we do to prepare?
  - Maximize positive benefits
  - Mitigate negative effects

Audi AV, from  
wired.com





# Definition

- Self-driving on-road motor vehicle
  - Level 5, no steering wheel or pedals
  - Or Level 4 within domain
- Someone tells the vehicle the destination, vehicle gets there
- Does not need special infrastructure
- Can run empty



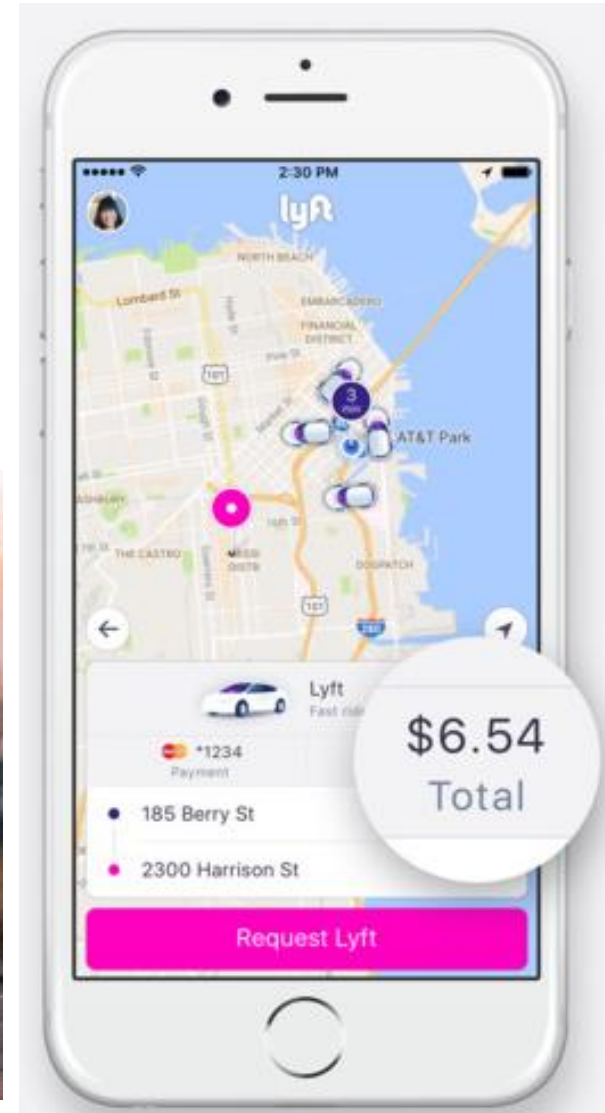
Level 4 automated vehicle  
developed for Fort Bragg, 2017

# Changing How We Use Vehicles

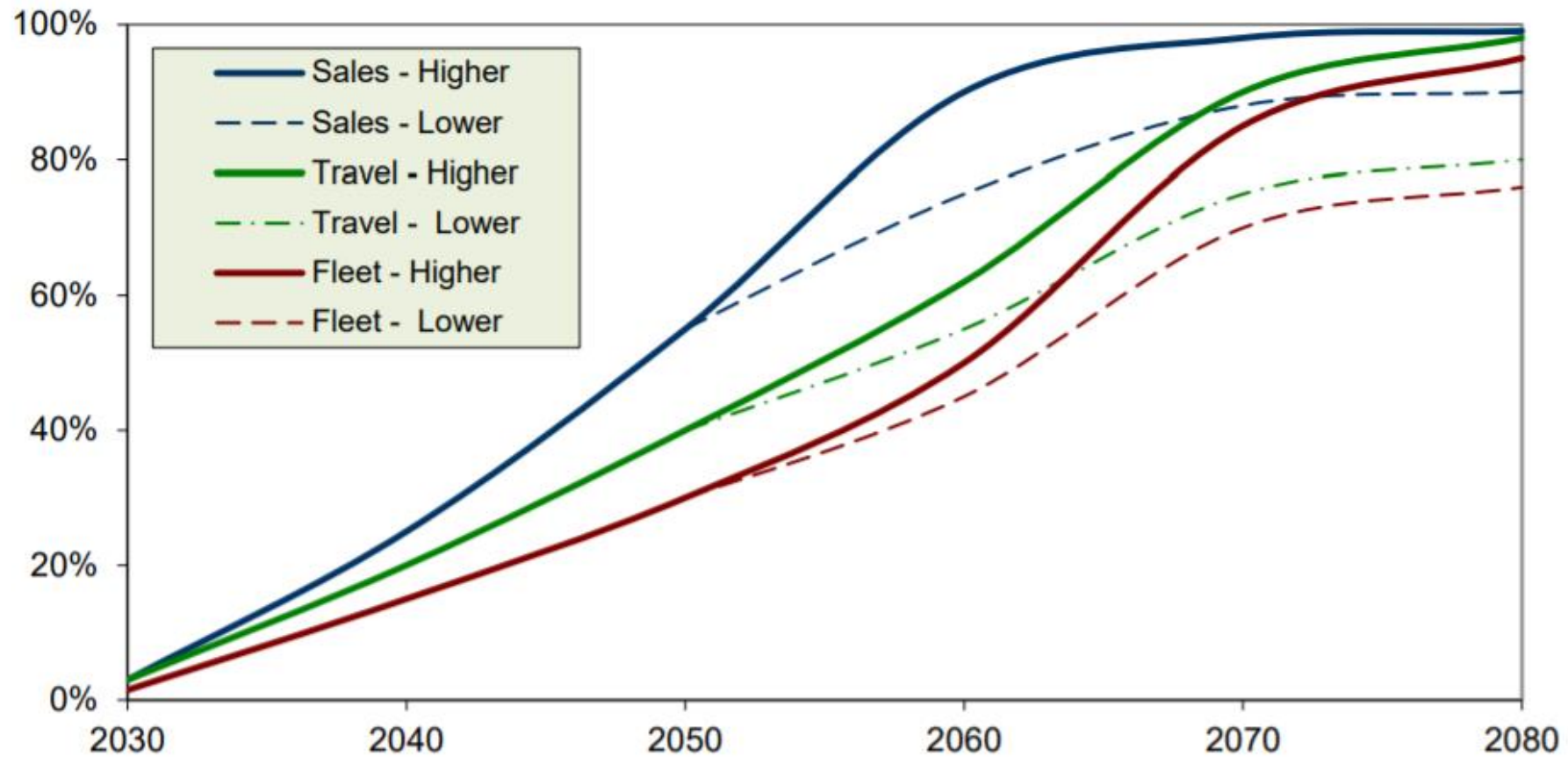
- Automated
- Subscription
- Electric

Source: iTunes

Google “Gumdrop”  
vehicle, from CNET



# Recent AV US Adoption Forecast



From Litman, et al., 2021

# I Think AVs Will Be Adopted More Quickly

- Safer
- Cheaper
  - Human driving will get more expensive
- Benefits for many groups of consumers
- Recent technologies adopted more quickly
- Manufacturer plans
  - Huge R&D expenditures
  - Push by rival and foreign companies
  - Disincentives at levels 2 and 3
- Little new infrastructure needed
- No show-stoppers

Especially in rich and tech-savvy areas like NC

Baidu pushes to put driverless taxis on China's roads, pledging to build 1,000 in 3 years—CNBC, June 17, 2021



# As Big a Change As...

- Jet airplane?
- Interstate system?
- Model T?
- Railroads?
- Steamships?



# Safety is the Biggest Reason to Encourage AVs

- Currently so awful
  - 42,000 deaths per year in US and climbing
  - 1.2 million deaths per year worldwide
  - “Young person’s disease”
- At least 90 percent of current crashes have human error as major contributing factor
- Widespread adoption of AVs will cut crashes, injuries, and fatalities dramatically
- No other foreseeable policy or practice will make a sizeable difference

# Many People Will Benefit from AVs

- Older people
- Younger people
- Disabled people
- Commuters



Source: Slate.com



Source: Twitter.com

– Over \$400 billion/yr productivity boost in US



Source: Jalopnik.com

# Challenges for Hwy. Planners

- Current NCDOT design year is 2045
  - About to shift to 2050
- Current NCDOT AV forecast is 0 %
- Why are we planning tomorrow's highways for today's vehicles?
- Could run scenarios
  - Realistic range
  - Avoid bias



# Challenges for Hwy. Planners

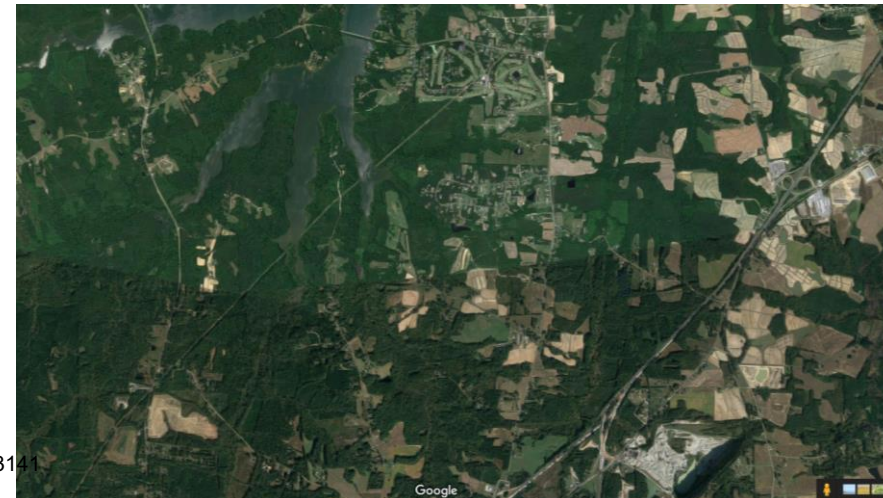
- Uncertain revenues
- Time of day travel shifts
  - 24-hour trucking
- Trip generation rates
  - Young, old, disabled travel more
- Fleet vehicles, empty trips
- Variable capacity
  - Capacity rises with AV use





# Challenges for Hwy. Planners

## Land Use Changes



# Challenges for Hwy. Planners

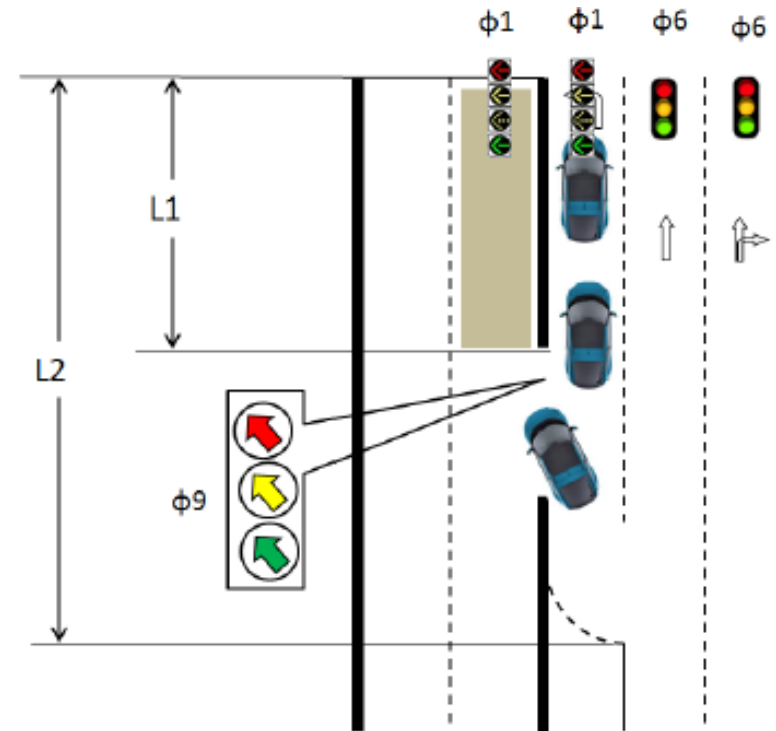
## Change Mindset

- From which roads to build or widen
- To how to best manage roads
  - Electronic and communication infrastructure
  - Information delivery
  - Pricing, in conjunction with car companies
  - Route management
  - Encourage desired development

# Challenges for Hwy. Designers

## New Designs

- Cycle-by-cycle or time of day changes
  - Virtual gates
  - Lane use, DLTi
  - Turn restrictions
- Pre-sort strategies
  - Priority vehicles front of queue
- Encourage platooning
  - Reduced conflict points





# Challenges for Hwy. Designers

## New Designs

- AV lanes
  - Narrow
  - Separated
  - Managed differently
- Curb space
  - Likely need more
  - Management
- Driveways



# Challenges for Hwy. Designers

- Higher speeds on freeways
- More noise from trucks at night
- Markings
  - Bigger, brighter
  - Need to be standardized
- Signing
  - Can remove some
  - Make smaller?



# Challenges for Hwy. Designers

## Safety

- Mix of AV and human-driven
- Mix of AV and non-motorized modes or pedestrians
- Traditional countermeasures no longer as effective
  - Driver information much less relevant
- New standards needed
  - On road and roadside

# Challenges for Hwy. Operators Evacuations

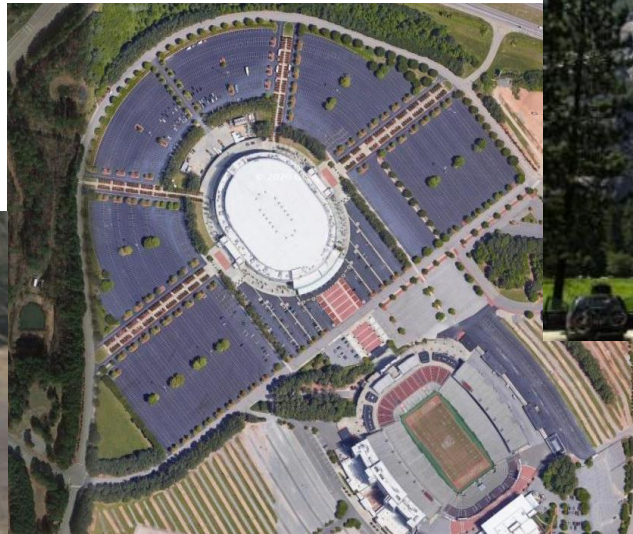
- When many people rely on shared vehicles
- Working with auto companies
  - Communicating with public
  - Enough vehicle capacity
  - Routes
  - Schedules
- Keeping two-way traffic capabilities





# Challenges for Hwy. Operators Schools, Events, and Attractions

- Will not need much of the current parking
- Will need huge drop-off and pick-up areas
- Similar challenges as for evacuations
  - Communications
  - Vehicle capacity
  - Two-way traffic
- Fee collection



3148



# A Hopeful Future

- With AVs, travel should be
  - Much safer
  - Cheaper
  - Quicker
  - Available for more people
  - Less stressful
  - Better for business
  - Creating more jobs
  - Better for the environment



# Needed Actions

- Federal legislation
  - Vehicles
- State legislation, courts, planning
- Local governments
  - Planning, parking, land uses
- Public and media do not panic
- Train people for new businesses
  - Need more battery technicians
- Research



# Thank You!

- Let's talk intersections and interchanges
- Joe Hummer
  - 919-814-5040
  - [jehummer@ncdot.gov](mailto:jehummer@ncdot.gov)







## **NORTH CAROLINA** Department of Transportation



# AAMVA Driverless Vehicle Guidance, and Personal Delivery Devices

Kevin Lacy

July 2021

# MUTCD

- American Association of Motor Vehicle Administrators (AAMVA)
- Guidance for the States
  - Vehicle,
  - Driver, and
  - First Responders
- Personal Delivery Devices
- NC Laws and AAMVA White Paper
- Technology and Legislation

# What is AAMVA



*The mission of the American Association of Motor Vehicle Administrators is Serve North American motor vehicle and law enforcement agencies to accomplish their missions.*

*With a vision of*

*Safe Drivers*

*Safe Vehicles*

*Secure Identities*

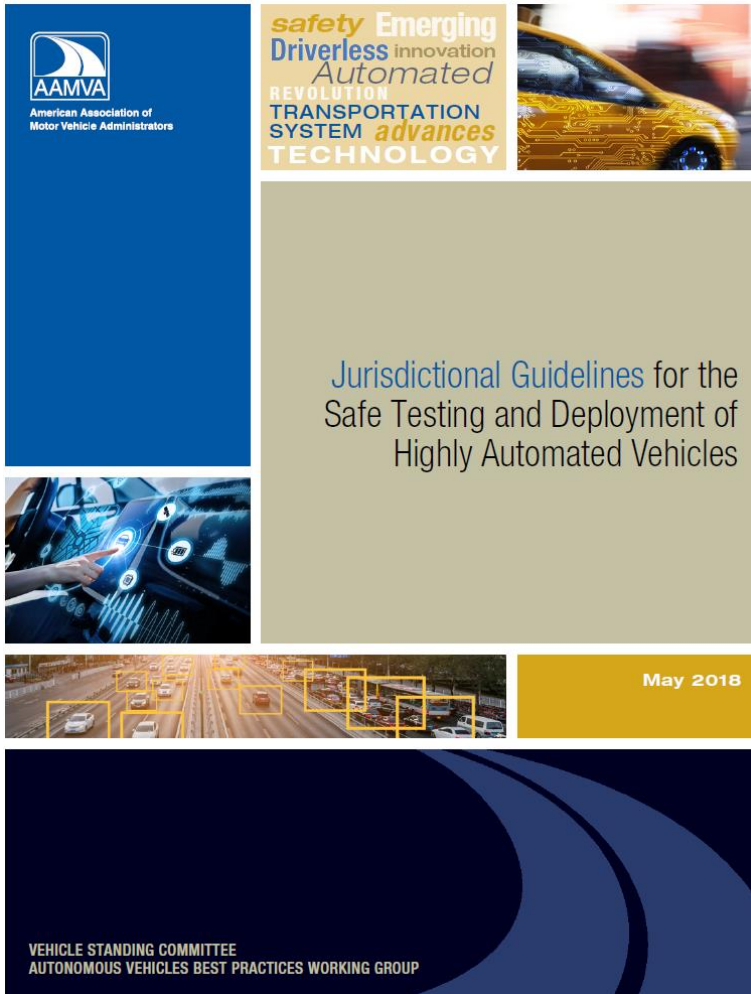
*Saving Lives*



**Torre J. Jessup**  
**Commissioner, North**  
**Carolina Division of**  
**Motor Vehicles**

**Member of AAMVA's**  
**Board of Directors**

# AAMVA Guidance



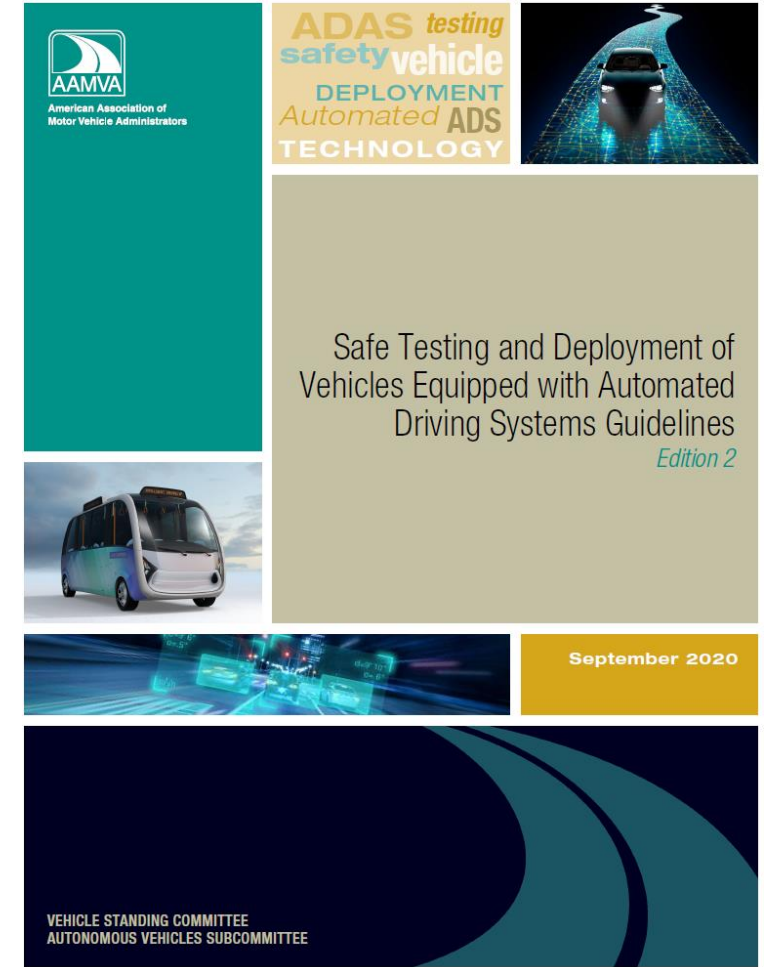
Edition 1 published in May 2018 62 pages

Edition 2 published September 2020 106 pages

More questions, more information, more ideas.

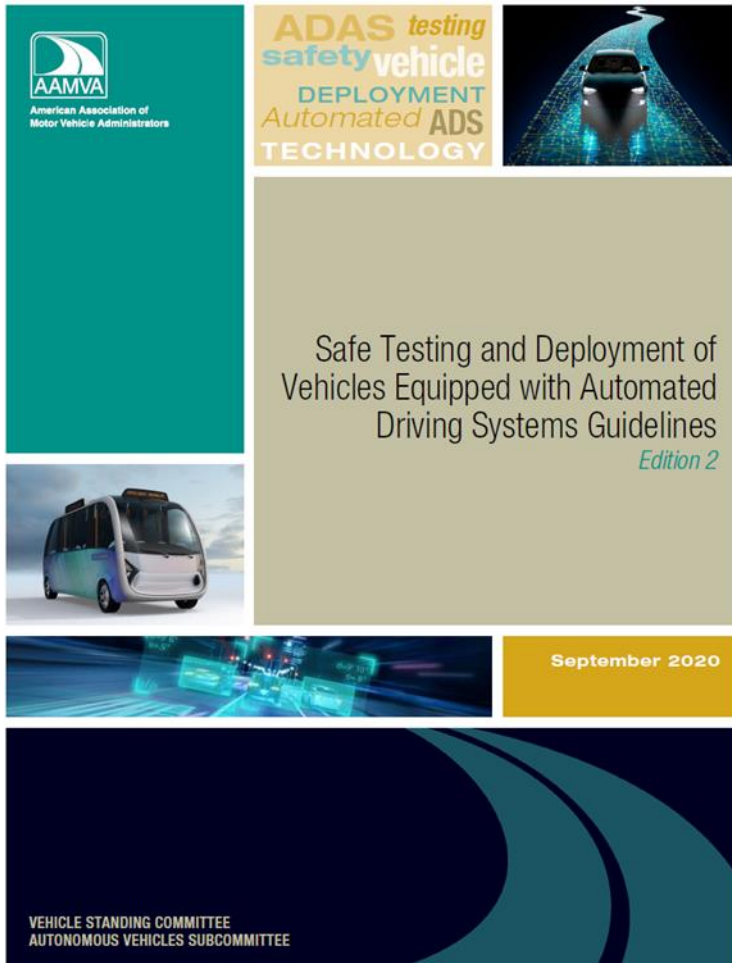
Will start working on Edition 3 soon.

This is reflective of how rapid the technology is changing and how the various states and agencies are preparing to adapt.





# AAMVA Guidance



**Provides suggestions, strategies, and recommendations and points out areas of missing information**

**Administrative actions,**

**Vehicle Actions,**

**Driver Actions**

**Law Enforcement Actions**

**These items are good not only for DMV's and Law Enforcement, but also for OEM developers. In many cases, they are testing and developing the technology in a limited geographic area.**



# AAMVA Guidance

## Examples from the Administration Recommendations

- 3.1.1. Identify a lead agency to manage the ADS equipped vehicle committee and its efforts.
- 3.1.2. Establish an ADS-equipped vehicle committee.
- 3.1.3. Develop strategies for addressing testing and deployment of ADS-equipped vehicles in the jurisdiction.
- 3.1.4. Examine jurisdictional laws and regulations to consider barriers to safe testing, deployment, and operation of ADS-equipped vehicles.

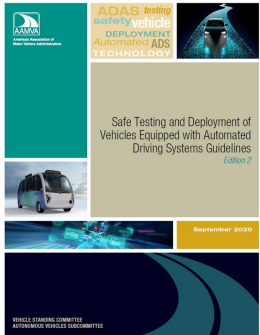
- 4.4.2. Title all ADS-equipped vehicles, pursuant to the jurisdiction's laws or policies; each title should be branded "Automated Driving System."
- 4.4.3. Titles for vehicles with added aftermarket components enabling ADS-equipped vehicle functionality should also be branded "Automated Driving System."

## *Recommendations for Manufacturers and Other Entities*

**MOE 4. The OEM or the installer of the aftermarket automated technology, either parts or software systems, should notify the MVA when a motor vehicle has been altered by adding or removing an AV technology.**



3157



# AAMVA Guidance

- *Recommendations for Jurisdictions for Remote Drivers*
- 5.3.2. Require the testing entity to agree in writing that a remote driver would be subject to an operator fitness evaluation by law enforcement in the event of an incident or crash.
- 5.3.3. Clarify in law that all laws applicable to drivers also apply to remote drivers.



"MR. SMITH, CARS USED TO HAVE STEERING WHEELS, RIGHT?!"

## *Recommendations for Manufacturers and Other Entities*

MOE 23. Manufacturers and other entities should ensure ADS-equipped vehicles have safety systems or procedures that allow law enforcement and other first responders to immobilize or otherwise disable the vehicle post-crash or during certain law enforcement contacts to prevent movement or subsequent ignition of the vehicle.

MOE 24. Manufacturers and other entities, in partnership with highway safety stakeholders, should develop national or international standardized first responder training on safely interacting with vehicles and users in both the testing and deployment of ADS-equipped vehicles.



# What is a Personal Delivery Device?

It is a self driving device that can deliver items without a person operating the device.





# AAMVA White Paper

## Jurisdiction Recommendation

Provide clear guidance on how PDDs should operate on sidewalks and roadways. For example, a PDD operating on a sidewalk should not operate at speeds higher than what pedestrians will expect; pedestrians should feel safe in proximity of PDDs.



Covers Automated Delivery Vehicles as well. These are devices too large for sidewalks but can fully operate in the roadway. Another name for these is **Zero Occupant or Occupantless Vehicles**



E-COMMERCE  
IMMEDIATE *products*  
consumers  
*efficient*  
services  
Convenience

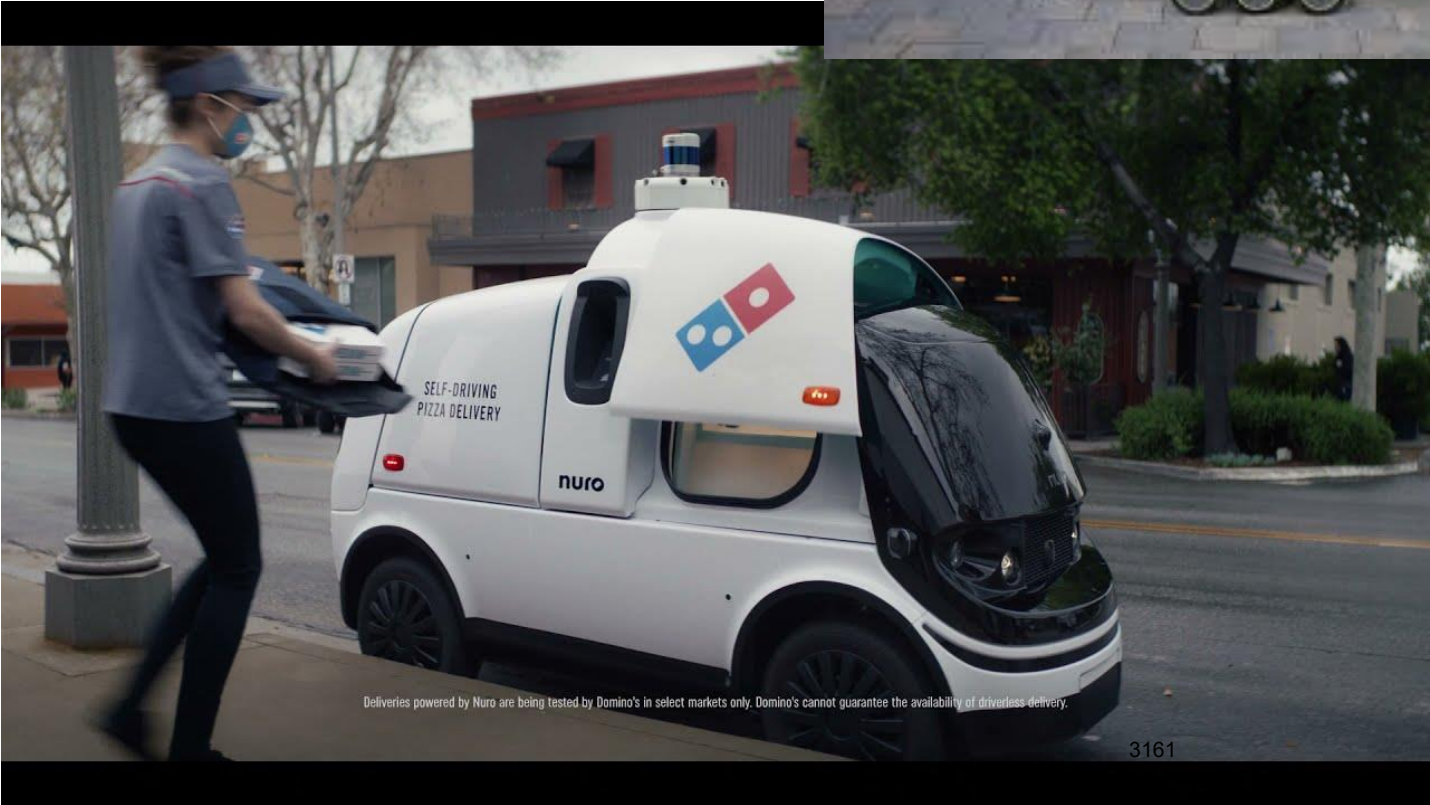


Automated Delivery Vehicles  
and Devices *Whitepaper*



May 2021



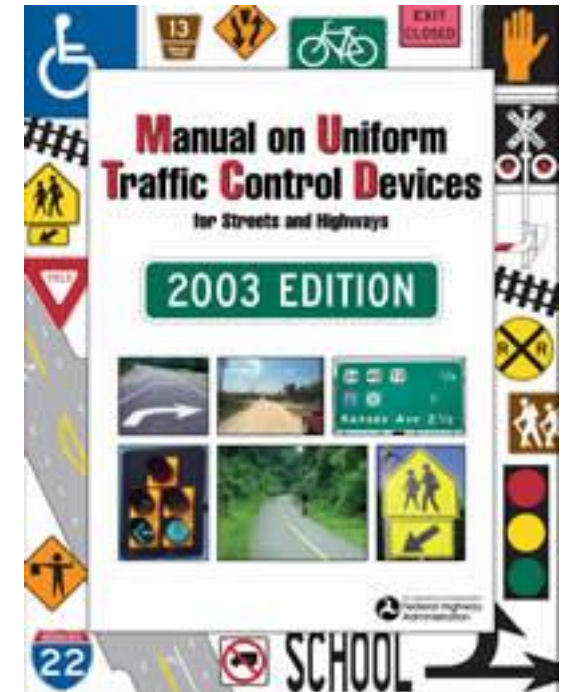


Deliveries powered by Nuro are being tested by Domino's in select markets only. Domino's cannot guarantee the availability of driverless delivery.



# MUTCD History

Edition	Pages
1935	166
1942	208
1948	223
1961	333
1971	377
1978	425
1988	473
2000*	982
2003*	742
2009*	889
2011*	??



\*Pre-2000 version were 5x7 books  
2000 and beyond are 8.5 by 11



# North Carolina Laws

**§ 20-4.01(28a)** Personal delivery device. - An electrically powered device intended for transporting cargo that is equipped with automated driving technology that enables device operation with or without the remote support and supervision of a human and that does not exceed (i) a weight of 500 pounds, excluding cargo, (ii) a length of 40 inches, and (iii) a width of 30 inches.

## Part 11D. Personal Delivery Devices.

### **§ 20-175.15. Definitions.**

The following definitions apply to this Part:

- (1) Agent. - A director, officer, employee, or other person authorized to act on behalf of a business entity.
- (2) Business entity. - A corporation, limited liability company, partnership, sole proprietorship, or other legal entity authorized to conduct business under the laws of this State.
- (3) Operator. - An agent who is 16 years of age or older and is charged with the responsibility of monitoring and operating a personal delivery device.
- (4) Pedestrian area. - A sidewalk, crosswalk, school crosswalk, school crossing zone, or safety zone.
- (5) Personal delivery device. - As defined in G.S. 20-4.01. (2020-73, s. 2.)

# North Carolina Laws

## § 20-175.16. Personal delivery devices authorized; operation; equipment.

- (a) A business entity may operate a personal delivery device in a pedestrian area or on a highway, with the rights and duties applicable to a pedestrian under this Chapter, subject to the requirements and restrictions of this Part. Except as authorized in this Part, no person may operate a personal delivery device in a pedestrian area or on a highway in this State.
- (b) Operation of a personal delivery device shall comply with all of the following:
- (1) The personal delivery device shall be monitored by an operator who is able to exercise remote control over the navigation and operation of the personal delivery device.
  - (2) The personal delivery device may not be operated in a pedestrian area at a speed greater than 10 miles per hour.
  - (3) The personal delivery device may not be operated on a highway except as necessary to cross a highway or along a highway if a sidewalk is not provided or accessible. When operating along a highway under this subdivision, the following additional restrictions apply:
    - a. The personal delivery device shall be operated on the shoulder or as close as practicable to the extreme right of the highway in the direction of authorized traffic movement and shall yield the right-of-way to all vehicles.
    - b. The personal delivery device may not be operated on a highway at a speed greater than 20 miles per hour.
    - c. The personal delivery device may not be operated on a highway with a speed limit greater than 35 miles per hour.
  - (4) The personal delivery device shall obey all traffic and pedestrian control devices and signs.
  - (5) The personal delivery device shall yield the right-of-way to all human pedestrians.
  - (6) The personal delivery device shall not unreasonably interfere with any vehicle or pedestrian.
  - (7) The personal delivery device shall not transport materials regulated under the Hazardous Materials Transportation

# North Carolina Laws

- (4) The personal delivery device shall obey all traffic and pedestrian control devices and signs.
- (5) The personal delivery device shall yield the right-of-way to all human pedestrians.
- (6) The personal delivery device shall not unreasonably interfere with any vehicle or pedestrian.
- (7) The personal delivery device shall not transport materials regulated under the Hazardous Materials Transportation Act (49 U.S.C. § § 5101 - 5128) that require placarding pursuant to Subpart F of 49 C.F.R. Part 172 (49 C.F.R. § § 172.500 - 172.560).
- (c) A personal delivery device shall be equipped with all of the following:
  - (1) A marker that clearly states the name and contact information of the owner and a unique identification number.
  - (2) A braking system that enables the device to come to a controlled stop.
  - (3) When operated at night, lights on the front and rear of the personal delivery device that are visible and recognizable under normal atmospheric conditions from at least 500 feet on all sides of the personal delivery device.
- (d) A violation of this section is an infraction. (2020-73, s. 2.)

## **§ 20-175.17. (Effective until December 1, 2022) Local regulation.**

For the purpose of assuring the safety of persons using highways and sidewalks, a local government having jurisdiction over public streets, sidewalks, alleys, bridges, and other ways of public passage may by ordinance regulate time and place of the operation of personal delivery devices, but shall not prohibit their use. (2020-73, s. 2.)

## **§ 20-175.17. (Effective December 1, 2022) Local regulation.**

For the purpose of assuring the safety of persons using highways and sidewalks, a local government having jurisdiction over public streets, sidewalks, alleys, bridges, and other ways of public passage may by ordinance prohibit operation of personal delivery devices within its jurisdiction if the local government determines that the prohibition is necessary. (2020-73, ss. 2, 3(a).)

# North Carolina Laws

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**§ 20-175.18. Insurance.**

A business entity that operates a personal delivery device under this Part shall maintain an insurance policy that includes general liability coverage of not less than one hundred thousand dollars (\$100,000) per claim for damages arising from the operation of the personal delivery device. (2020-73, s. 2.)

# State Law for Zero Occupant Vehicle

House Bill 814 has passed the NC House and is in the Senate

Technically these vehicles can be registered and operated in NC. However, HB 814 removes provides some language that helps these vehicles overcome some of the hurdles that were discovered with the Cassi Project.

“(c) Equipment Exemptions. – A fully autonomous vehicle that is designed to be operated exclusively and at all times by an automated driving system shall not be subject to any State law or regulation requiring the installation, maintenance, or inspection of vehicle equipment that relates to or supports motor vehicle operation by a human driver, but is not necessary for operation by an automated driving system alone. "Automated driving system" is defined in G.S. 20-400.”



# State Law for Zero Occupant Vehicle

**Neighborhood occupantless vehicle.** – A low-speed vehicle that is also a fully autonomous vehicle, designed to be operated without an occupant and used to transport cargo. A fully autonomous vehicle is defined in G.S. 20-400.

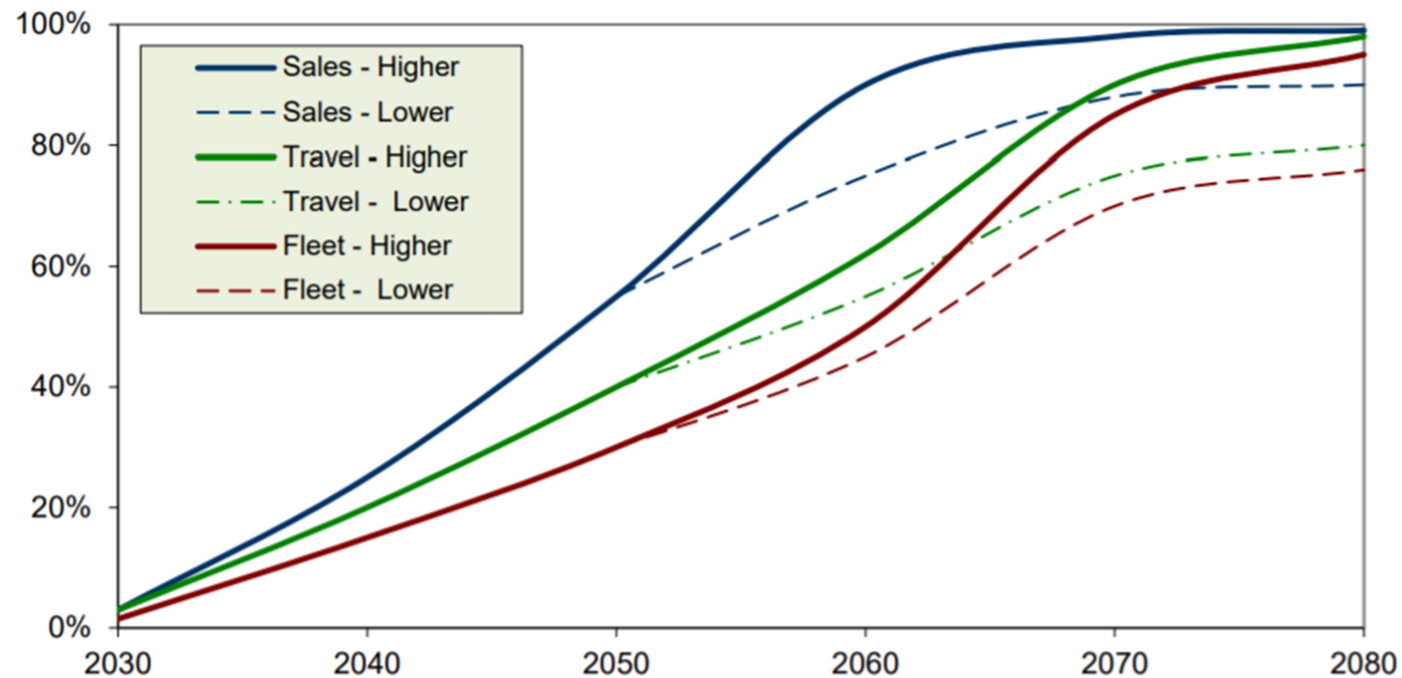
Allows operation on certain roads and conditions:

- only on streets and highways where the posted speed limit is 45 miles per hour or less.
- must be operated in the right-hand travel lane or as close as practicable to the right-hand curb or edge of the street or highway, except when preparing for a left turn.
- On a highway with two travel lanes, the operator of the neighborhood occupantless vehicle must turn off the roadway to a controlled stop as soon as practicable and when it is safe to do so to allow faster moving vehicles to pass when passing is unsafe because of traffic in the opposite direction or other conditions and there are five or more vehicles immediately behind the neighborhood occupantless vehicle.

**Operator Defined.** – For the purposes of this section, an "operator" is a person that enables or controls, or is responsible for enabling or controlling, **with or without remote support**, the operation of a neighborhood occupantless vehicle.

# When will Automated Driving Vehicles Be Here?

## Recent AV US Adoption Forecast



Dr Hummer stated he believed it would be faster.

From Litman, et al., 2021

# When will Automated Driving Vehicles Be Here?

I agree and here is why.

## **TODAY 2021**

- Driverless testing is expanding both in geography and companies
- California has 8 different companies approved to do Driverless Testing on their roadways
- California will soon approve the second company for driverless deployment.
- The continued growth in automated delivery devices and personal delivery devices.
- People are paying for driverless rides in some cities.
- The continued operation of driverless shuttles such as the one at the Wright Brothers National Park.
- Trucks are already self driving in industrial mining sites. Self Driving trucks are becoming more prevalent in the discussion and demonstration.

In 2011 these items were multi billionaire corporation special project, Military top-secret research, and a just the beginning of the Hype Curve.

**It will be a travesty if it takes 40 years to approach 50% penetration of our travel.**

# Questions ?

Kevin Lacy, State Traffic Engineer,  
jklacy1@ncdot.gov



## **NORTH CAROLINA**

Department of Transportation



## Ferry Division – Dredging and Shoaling

Jed Dixon  
Ferry Division Deputy Director

June 30, 2021

# Ferry Division Mission



*Connecting people, products and places safely and efficiently  
with customer focus, accountability and environmental sensitivity  
to enhance the economy and vitality of North Carolina.*



# State Channels

- Dredging waterways and channels used by the NC Ferry System is necessary to
  - Ensure safe passage of the vessels
  - Reduce the risk of damage to vessels running aground
  - Provide emergency services to locations such as Ocracoke Island
- State Designated Channels
  - 13 state designated ferry channels and basins maintained by the Ferry Division's Dredge Manteo
  - Dredge season is 4.5 – 5 months long due to environmental moratoriums that differ by location



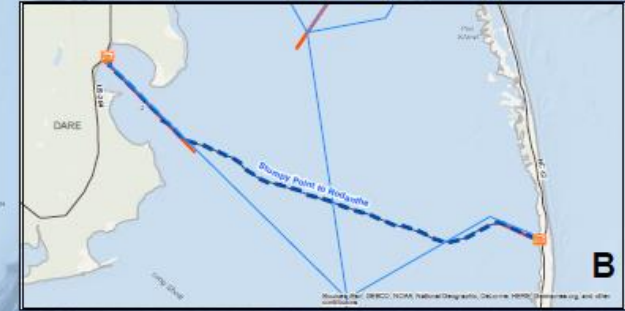
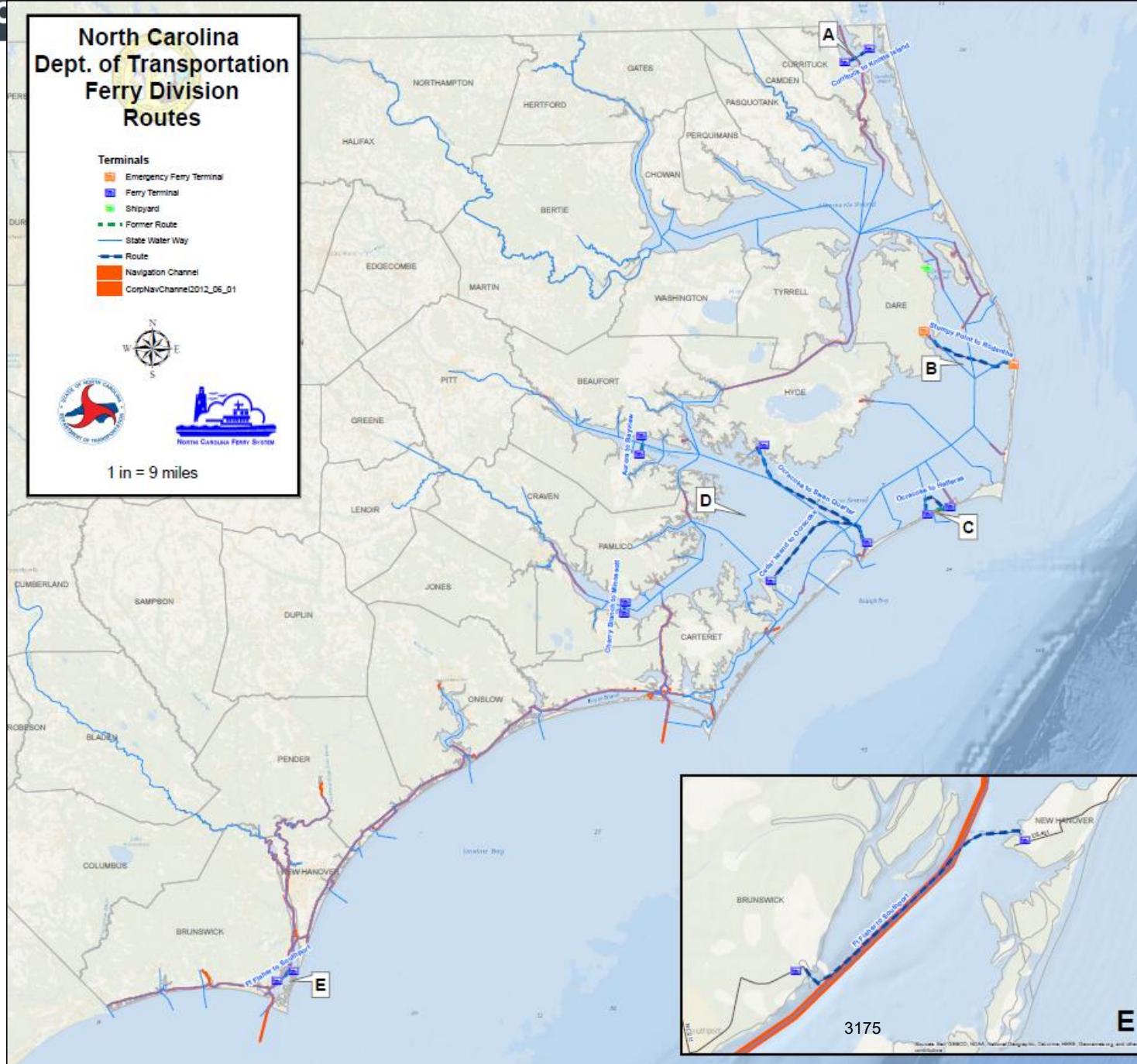
# North Carolina Dept. of Transportation Ferry Division Routes

## Terminals

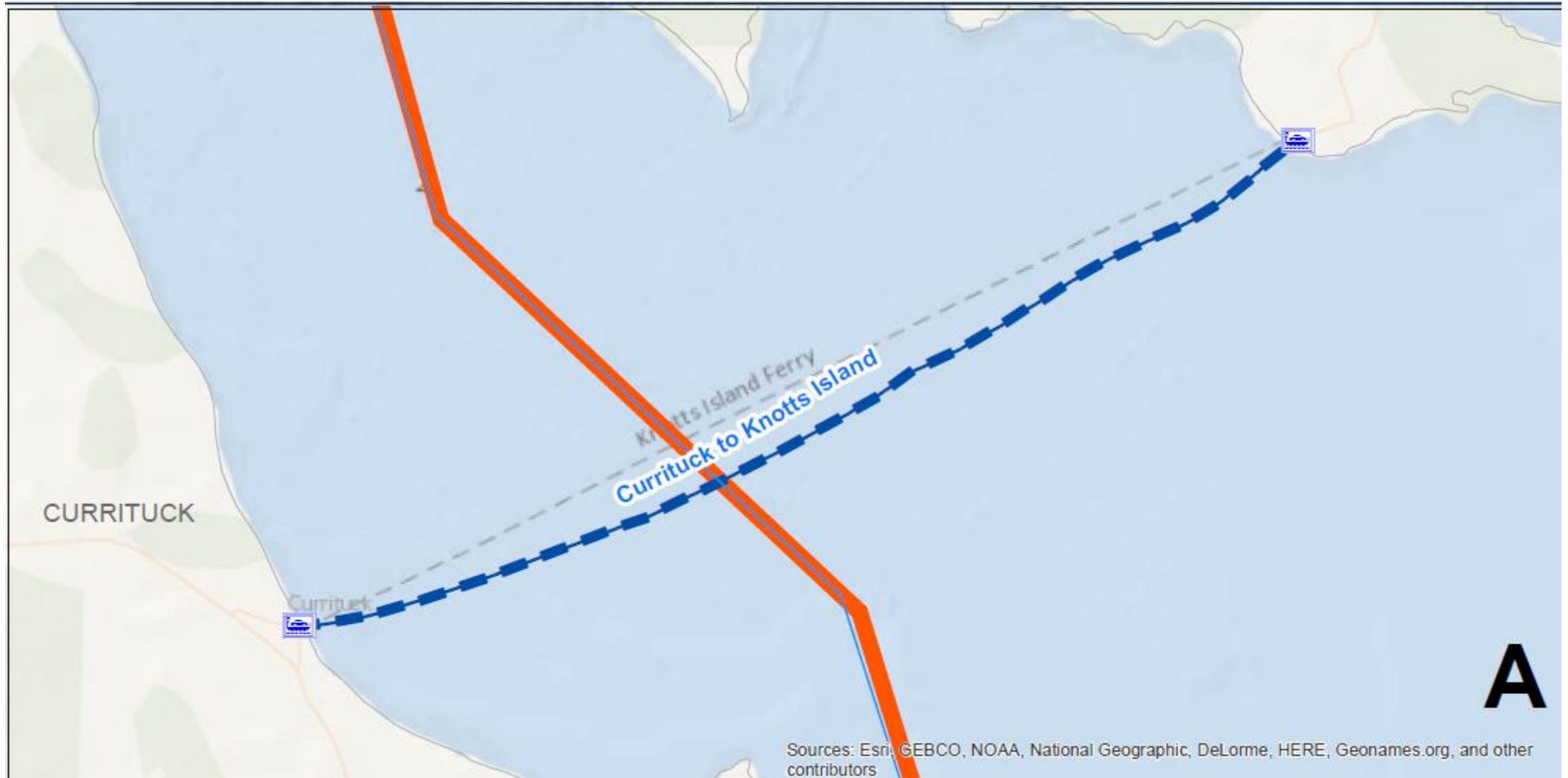
-  Emergency Ferry Terminal
-  Ferry Terminal
-  Shipyard
-  Former Route
-  State Water Way
-  Route
-  Navigation Channel
-  CorpNavChannel0012\_06\_01

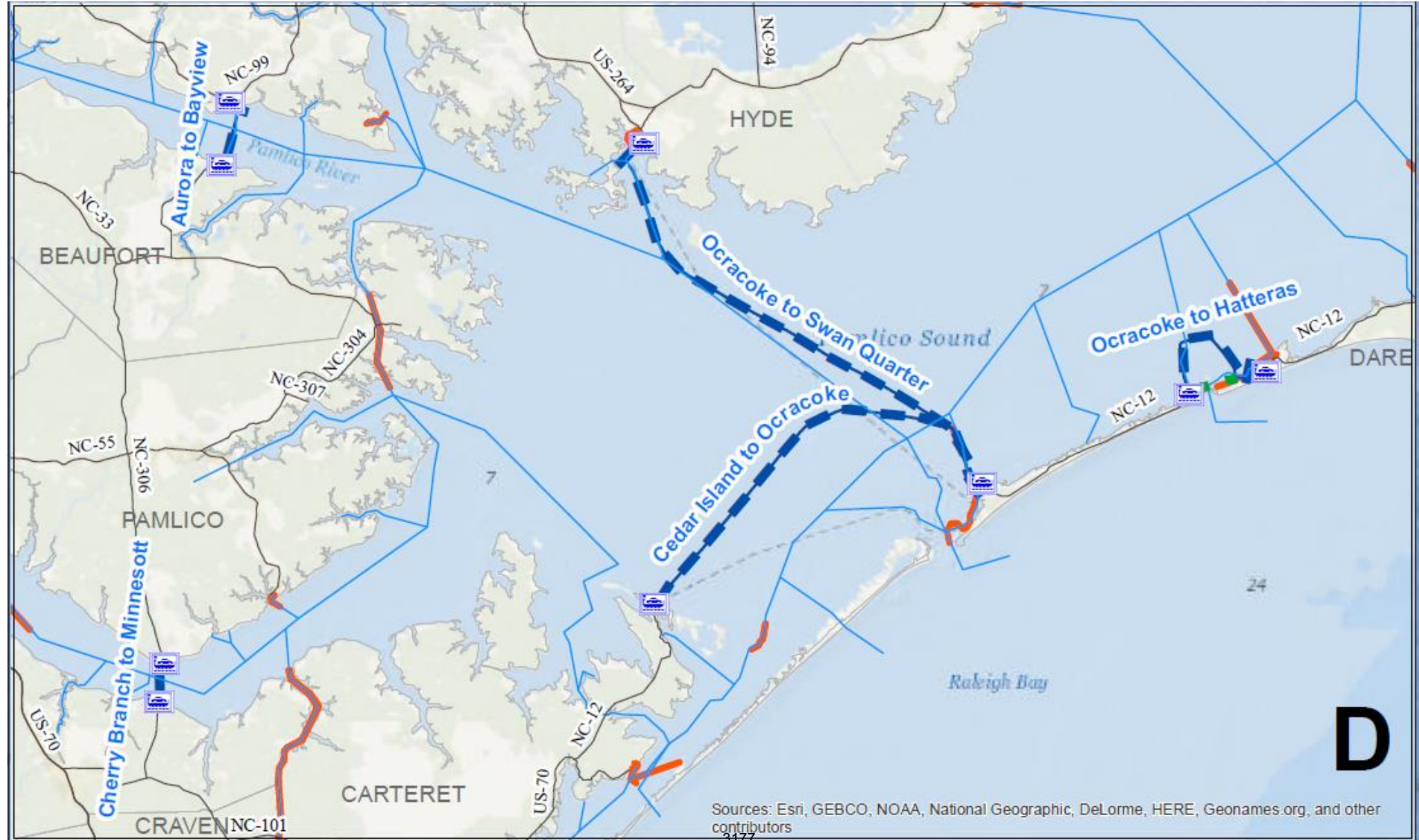


1 in = 9 miles

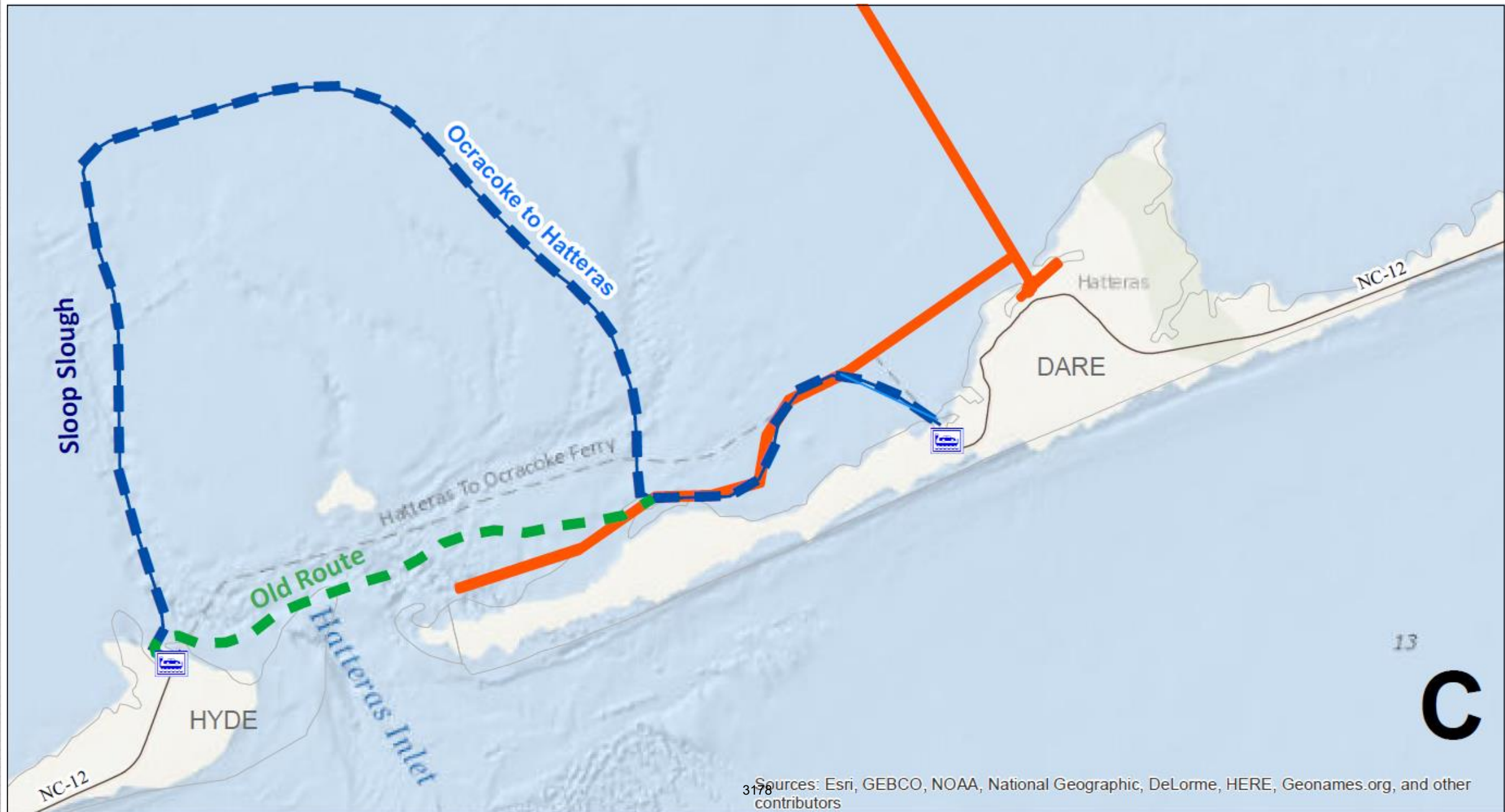














NC-211  
Southport



Sources: Esri, GEBCO, NOAA, National Geographic, DeLorme, HERE, Geonames.org, and other contributors









# Marine Asset Management Unit

## Responsibilities

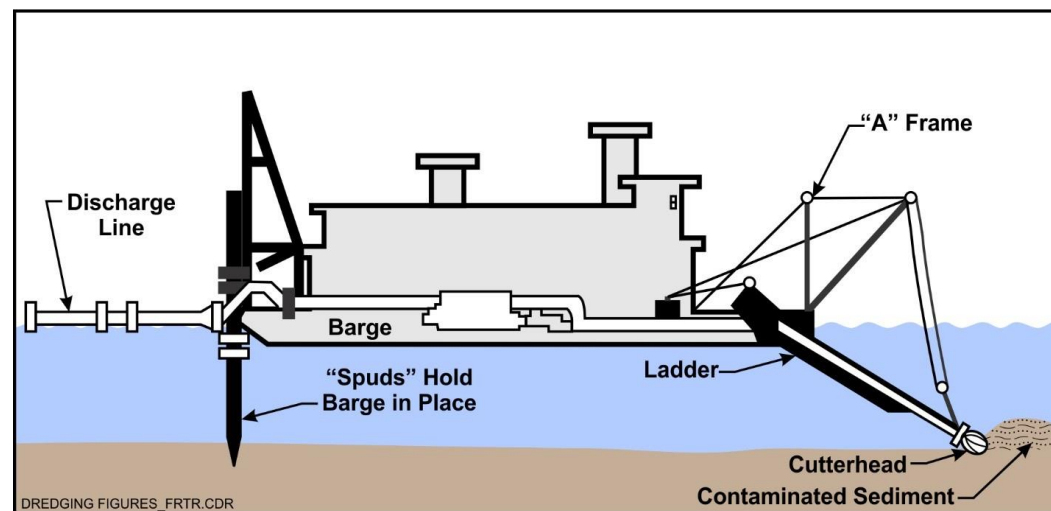
- Dredging
  - Two 6 – 8 person crews working 7 on/off
  - 13 state designated dredge project areas
- Ramp and gantry maintenance
  - 24 ramps and gantries
- Spoil Site Maintenance
  - 9 spoil sites
- Facility Maintenance
  - Physical, custodial, and maintenance
  - 16 terminals
- Environmental Permitting
- Resident Engineer
  - Oversees upcoming construction projects that have been put out to contract.
  - Contract development, oversight, inspections, reporting and close out





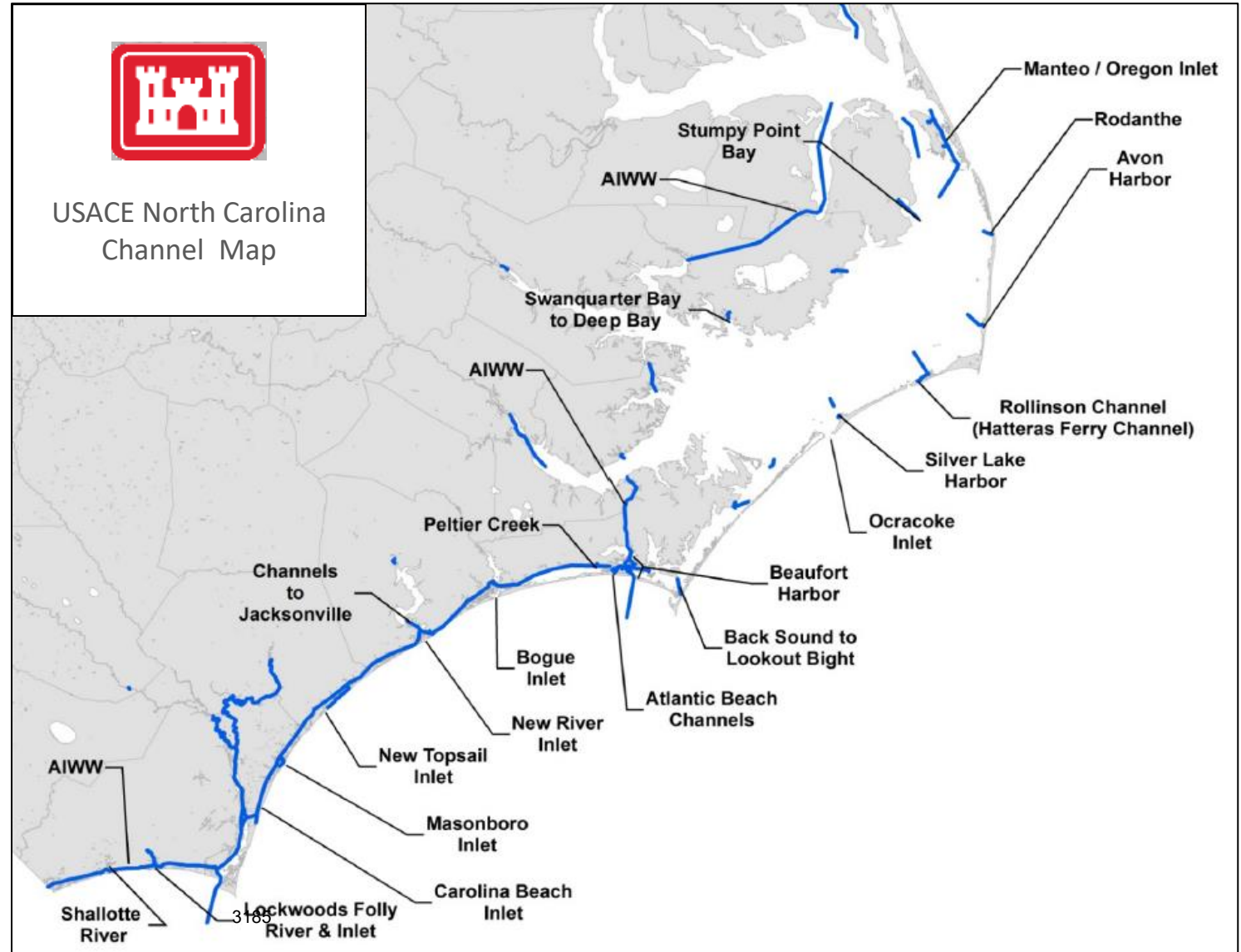
# Dredge Manteo

- Christened in 2018
- 14" cutterhead pipeline dredge with 12" discharge end
- Material is removed by the cutter head and forced through the discharge pipe into an upland disposal area (spoil site)
- Works in shallow draft areas and areas that are not overly exposed to wind and tide
  - Unable to work in inlets, open areas of the sound, and deep draft locations
- Support fleet & materials
  - 4 barges, 4 tugs, 2 booster pumps, and 10,000ft of 12 in. pipe



# Federal Channels

- Federally Designated Channels
  - United States Army Corp Of Engineers
  - Responsible for shallow draft projects
  - Depths of less than 20'
  - Includes 10 inlets and 14 inland waterways.
  - Ferry routes that are federally designated
    - Hatteras Inlet/Rollinson Channel
    - Silver Lake/ Big Foot Slough
    - Stumpy Point Bay









**WILMINGTON DISTRICT – SHALLOW DRAFT NAVIGATION PROGRAM**  
**Available Funding and FY 2020/21 President's Budget as of October 7, 2020**  
**Amounts in \$1,000's**



Project	Federal O&M Emergency Funding (Matthew)	Long Term Shallow Draft Memorandum of Agreement (MOA) Funding	FY 2019 Total	FY 2020 President's Budget	FY 2020 Work Plan	FY 2020 Supplemental	FY 2020 Total	FY 2021 President's Budget
Atlantic Intracoastal Waterway			\$5,534	\$2,155	\$4,050	\$4,000	\$10,205	\$3,625
Beaufort Harbor		\$72						
Bogue Inlet		\$80						
Carolina Beach Inlet		\$900						
Lockwoods Folly Inlet		\$120						
Manteo (Oregon Inlet)		\$400	\$1,535	\$806			\$806	\$1,286
Masonboro Inlet and Connecting Channels			\$50	\$25			\$25	
New River Inlet			\$3,519	\$30		\$300	\$330	\$30
Rodanthe								
Rollinson Channel	\$130		\$2,777	\$650			\$650	\$380
Silver Lake Harbor			\$1,374	\$60			\$60	\$560
South Ferry Channel (non-Federal)		\$140						
Waterway Connecting Pamlico Sound to Beaufort Harbor	\$587	\$7						
<b>TOTALS</b>	<b>\$717</b>	<b>\$2,525</b>	<b>\$14,789</b>	<b>\$3,726</b>	<b>\$4,050</b>	<b>\$4,300</b>	<b>\$12,076</b>	<b>\$5,881</b>

# USACE Wilmington Dredge Fleet

- National Asset on Atlantic Seaboard
- Varied Capabilities (5' to 20' Depth)
- Dredge Merritt
  - Sidecaster (“throws the sand a certain distance”)
  - Dredge in 5.5' depths
- Dredge Currituck
  - Split Hull (material pumped then transported to be deposited)
  - 300 cubic yard capacity
- Dredge Murden
  - Split Hull
  - 500 cubic yard capacity



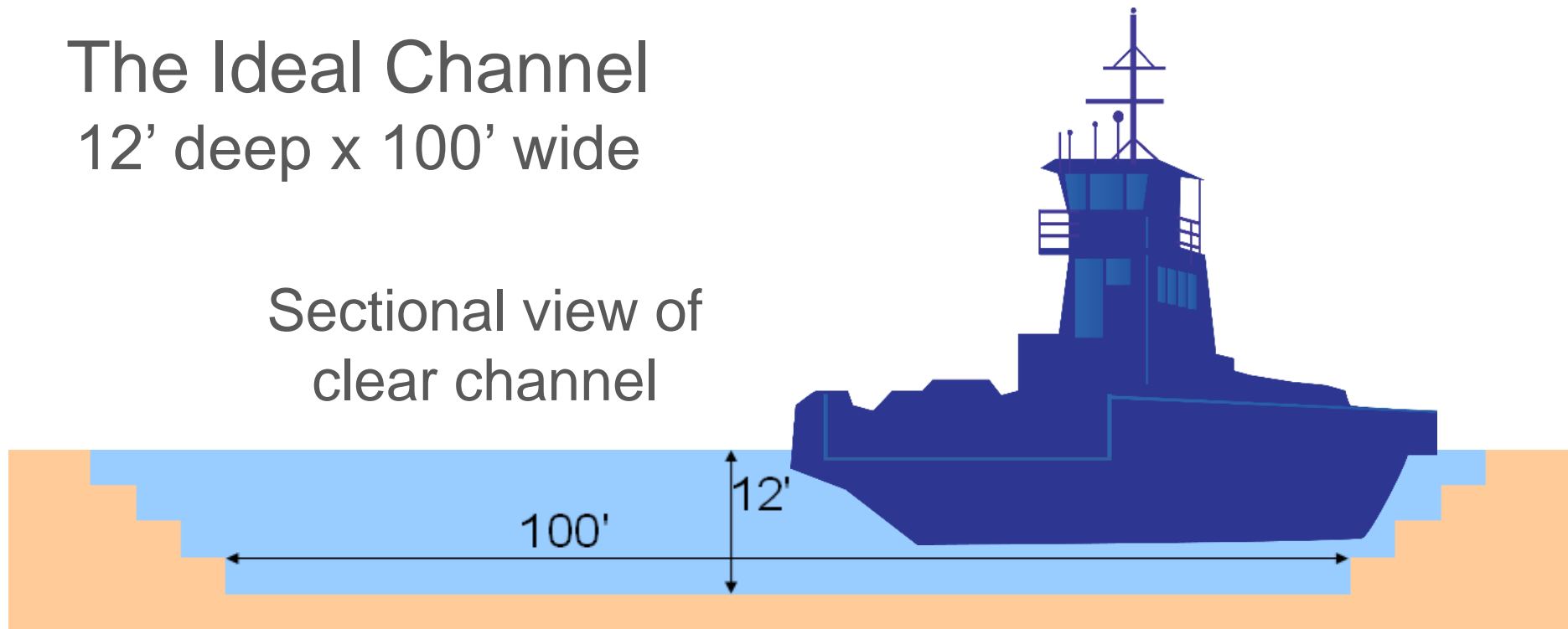




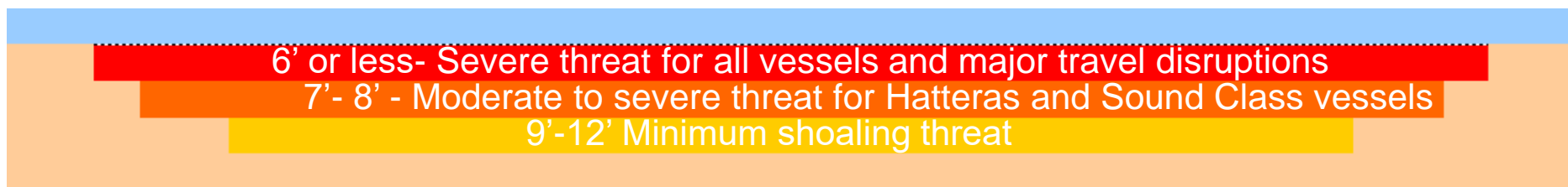
# The Ideal Channel

12' deep x 100' wide

Sectional view of  
clear channel



Passage hindered by shoaling sands when channel depth reduced:



# State Dredging Project Planning & Tracking

- Ferry Division plans dredge activities based on need, survey results, yearly state appropriations, and uses the newly updated 20-year dredge plan
- Dredge Plan tracks completed projects and projects future costs for channel maintenance and storm related dredging activities
- These are only estimates which are ultimately subject to mother nature

Location	FY15	FY16	FY17	FY18	FY19	FY20
Knotts Island / Currituck						
Stumpy Point						
Stumpy Point		\$221,122				
Stumpy Point				\$209,801		
Manns Harbor						
South Dock						
South Dock	\$185,060					
South Dock		\$66,001				
South Dock			\$128,476			
South Dock			\$26,152			
South Dock				\$138,718		
South Dock				\$66,101		
South Dock Emergency						
South Dock Emergency			\$93,881			
South Dock Emergency					\$476,196	
South Dock Emergency						\$400,000
South Dock						
Sloop Channel						
Swan Quarter						
Pamlico River						
Cedar Island						
Cedar Island						\$206,890
Cherry Branch						
Southport						
Southport		\$232,607				
Southport			\$220,264			
Southport						\$70,006
Fort Fisher						
Fort Fisher				\$17,838		
Fort Fisher					\$241,039	
Hatteras Inlet Channel		\$287,178				
Hatteras Inlet Channel			\$27,851			

## LEGEND

Planned but delayed

Planned

Completed

High Priority

Lower Priority - Flexible Schedule

FEMA

Outside Funding Job

Planning Line

Blank Location Cells are projects

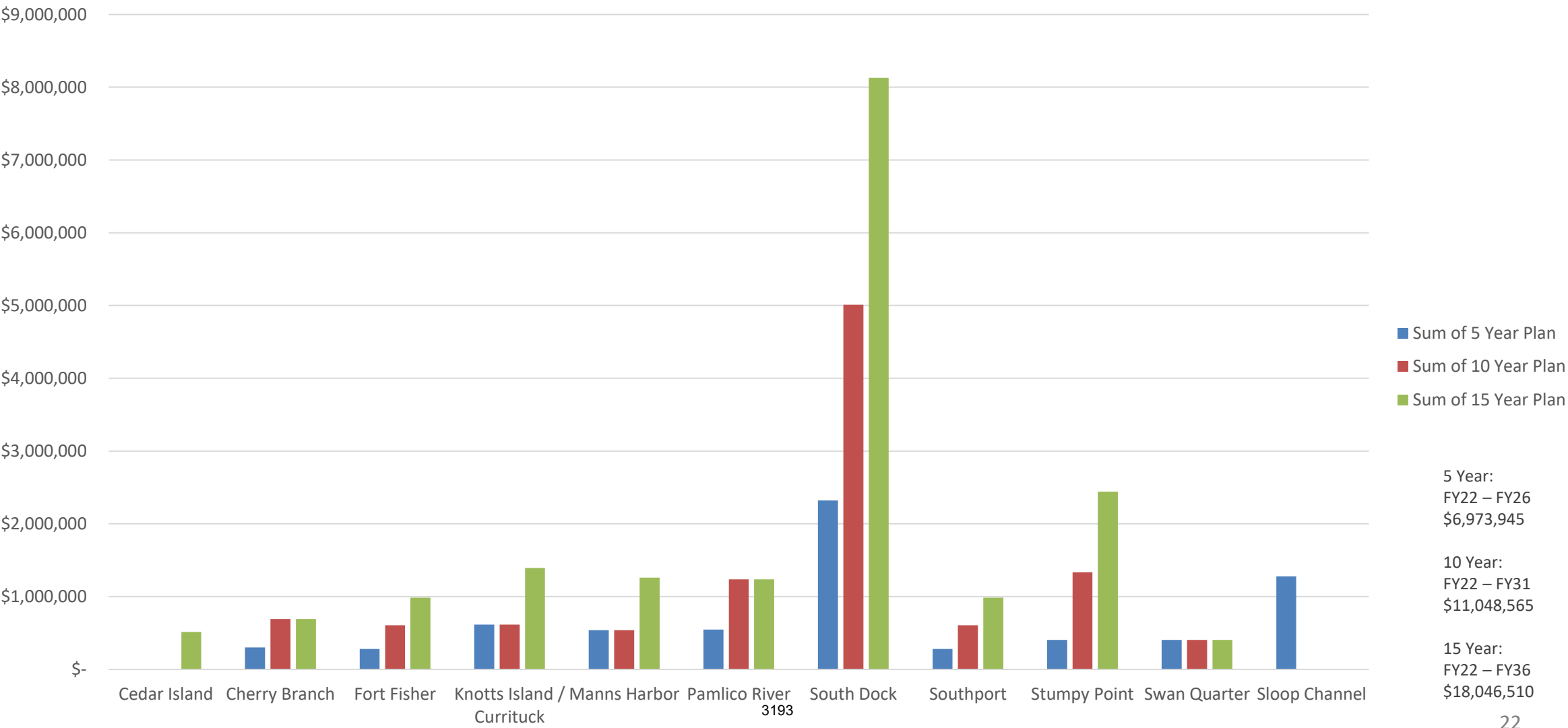


# Historic Dredging and Spend

	FY15	FY17	FY16	FY18	FY19	FY20	Completed Totals
Cedar Island						\$206,889.50	\$206,889.50
Cherry Branch							\$0.00
Fort Fisher				\$17,837.94	\$241,038.83		\$258,876.77
Knotts Island / Currituck							\$0.00
Manns Harbor							\$0.00
Pamlico River							\$0.00
South Dock	\$185,059.52	\$154,627.50	\$66,000.70	\$204,818.67			\$610,506.39
Southport		\$220,264.00	\$232,606.78			\$70,005.70	\$522,876.48
Stumpy Point			\$221,121.66	\$209,801.11			\$430,922.77
Swan Quarter							\$0.00
Hatteras Inlet Channel		\$27,851.26	\$287,177.72				\$315,028.98
South Dock Emergency (FEMA)		\$93,881.14			\$476,196.06	\$400,000.00	\$970,077.20
Grand Total	\$185,059.52	\$496,623.90	\$806,906.86	\$432,457.72	\$717,234.89	\$676,895.20	\$3,315,178.09

# Dredge Plan

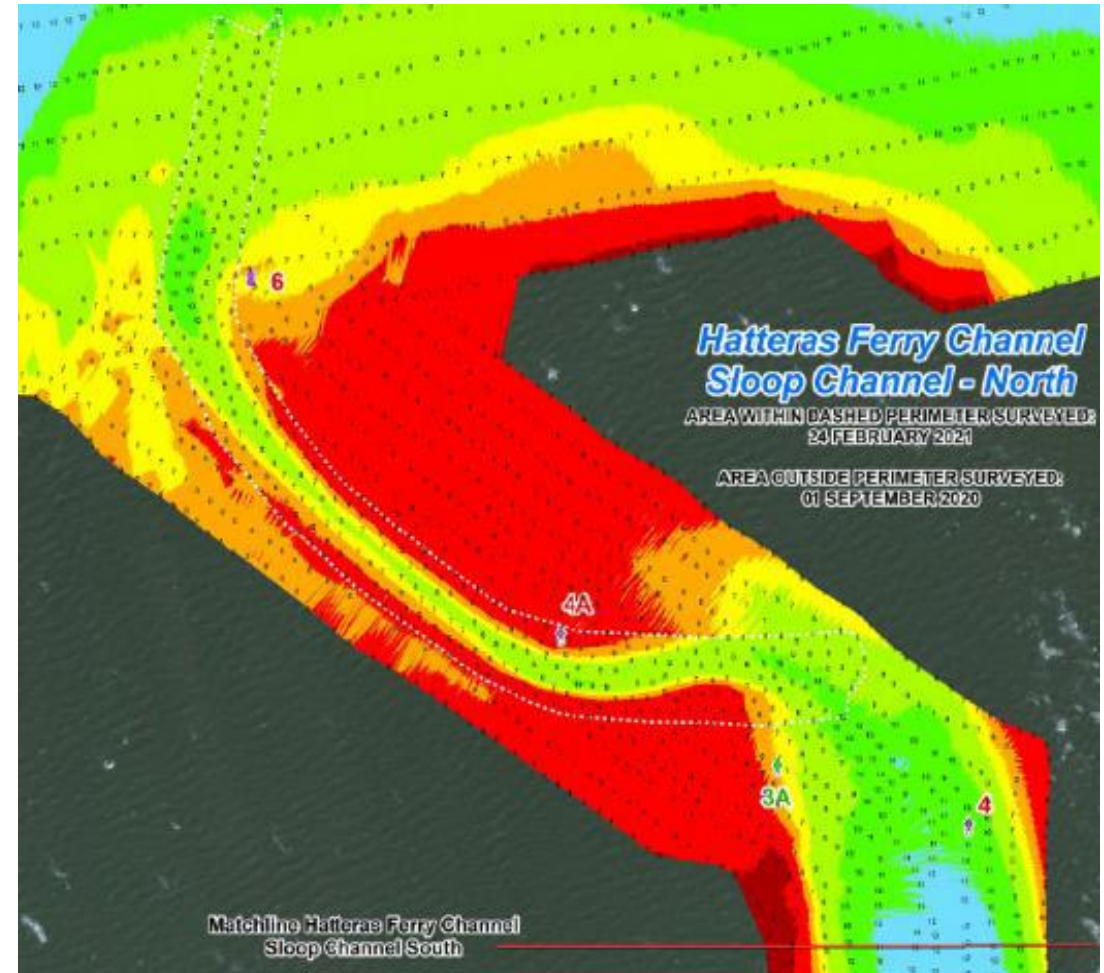
## 5, 10, and 15 Year Estimated Costs by Location



Ferry Route	Channel	Dredging Responsibility	Frequency	Current Channel Conditions
Stumpy Point - State Portion (Emergency Channel)	Stumpy Point	USACE & NCDOT	3	Poor
Hatteras – Ocracoke (South Dock)	Sloops Channel	Undetermined	Undetermined / Never dredged before	Poor
Currituck – Knotts Island		NCDOT	7	Fair
Southport – Fort Fisher		NCDOT	5	Fair
Bayview – Aurora		NCDOT	8	Fair
Hatteras – Ocracoke (South Dock)	Rollinson	USACE	Yearly	Fair
Hatteras – Ocracoke (South Dock)	Hatteras Ferry Connector Channel and Barney Slough	USACE	Multiple times per year	Fair
Swan Quarter & Cedar Island INTO Ocracoke	Big Foot Slough	USACE	Yearly	Fair
Rodanthe (Emergency Channel)		USACE	5	Fair - Poor
Hatteras – Ocracoke (South Dock)	South Dock Basin	NCDOT	2x per year	Good
Swan Quarter	Swan Quarter	NCDOT	15	Good
Cedar Island	Cedar Island	NCDOT	12	Good
Cherry Branch – Minnesott Beach		NCDOT	11	Good
Shipyard	3194	NCDOT	10	Good

# Sloops Channel - Unauthorized

- Most recent survey
- Two vessels are unable to traverse simultaneously
- Summer schedule impacts
- NCDOT Ferry working on dredging permits.
- USACE also working to incorporate this into their federal authorization
- 175' x 10' cost estimate \$1.28m



# Urgent State Needs FY2022

Ferry Route	Channel(s)	Dredging Responsibility	Frequency	Current Channel Conditions	FY2022 Needs	Options for Addressing Needs	Cost Estimate when Dredging (per event)	Last Surveyed	Permitted Depth, Width and Length
Stumpy Point - State Portion (Emergency Channel)	Stumpy Point	NCDOT	3	Poor	Critical	Contractor to dredge in state portion	\$350,000	3/3/2021	1400' x 100' x 10'
Southport / Fort Fisher		NCDOT	5	Fair	Needs attention	Winter FY22	\$400,000		
Currituck – Knotts Island		NCDOT	7	Fair	Needs attention	If time allows between projects and moratorium can address this winter	\$350,000	2/18/2020	300' x 100' x 10'
<b>Total Cost Estimate for FY2022 Needs: \$1,100,000</b>									

## Unauthorized – Urgent Needs FY2022

Ferry Route	Channel(s)	Dredging Responsibility	Frequency	Current Channel Conditions	2021 Needs	Options for Addressing Needs	Cost Estimate when Dredging (per event)	Last Surveyed	Permitted Depth, Width and Length
Hatteras – Ocracoke (South Dock)	Sloops Channel	Undetermined	Undetermined / Never dredged before	Poor	Critical	Finalize permit but needs funding	\$1,280,000	2/24/2021	Sloop State permit applied for 225' x 12'
Total Cost Estimate for FY2022 Needs: \$1,280,000									

# Federal Needs 2021

Ferry Route	Channel(s)	Dredging Responsibility	Frequency	Current Channel Conditions	2021 Needs	Cost Estimate when Dredging (per event)	Last Surveyed	Permitted Depth, Width and Length
Swan Quarter & Cedar Island INTO Ocracoke	Big Foot Slough	USACE	Multiple Times Per Year	Fair - Poor	Needs dredging	\$500,000	3/8/2021	150' x12'
<b>Total Cost Estimate for 2021 Needs: \$500,000</b>								



# Challenges

- Marine Maintenance Funding
  - Used for dredging, pilings, bumpers, ramps, gantries, and spoil sites
  - Allocate funds from total O&M appropriation to Marine Asset Unit for use on projects needed throughout the year
- Federal Channel Needs
  - Historically under funded causing impacts in federal ferry channels
- Mother Nature
  - Hurricanes
  - Nor' Easters
  - Major tidal fluctuations
  - Dynamic inlet conditions
    - Hatteras Island erosion



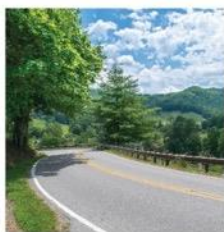
# Potential Solutions

- Sandbag replacement at Big Foot Slough dredge disposal area
  - By replacing the deteriorating sandbags the dredge placement island would have a mechanism in place to keep material from washing back into the Big Foot Shoal Channel.
    - Reduce frequency of dredge projects and reduce departure impacts
    - Reduce departure impacts and impacts to emergency service needs
- Dredging of Sloop Channel
  - Since using the “long route” from Hatteras to Ocracoke (2013) the channel has a history of less shoaling
  - \$1.28m project to perform dredge and run normal summer schedule
- Seek annual appropriations for the state channel maintenance projects and for unanticipated channel needs
- Advocate for federal funding levels for federal channels that the Ferry system traverses



## NORTH CAROLINA

Department of Transportation



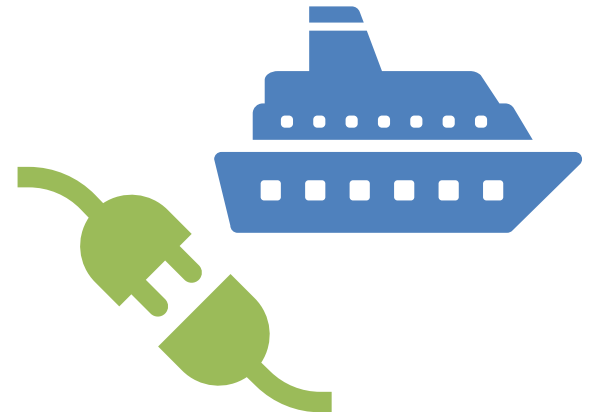
## Vessel Electrification Efforts

Jed Dixon  
Ferry Division Deputy Director

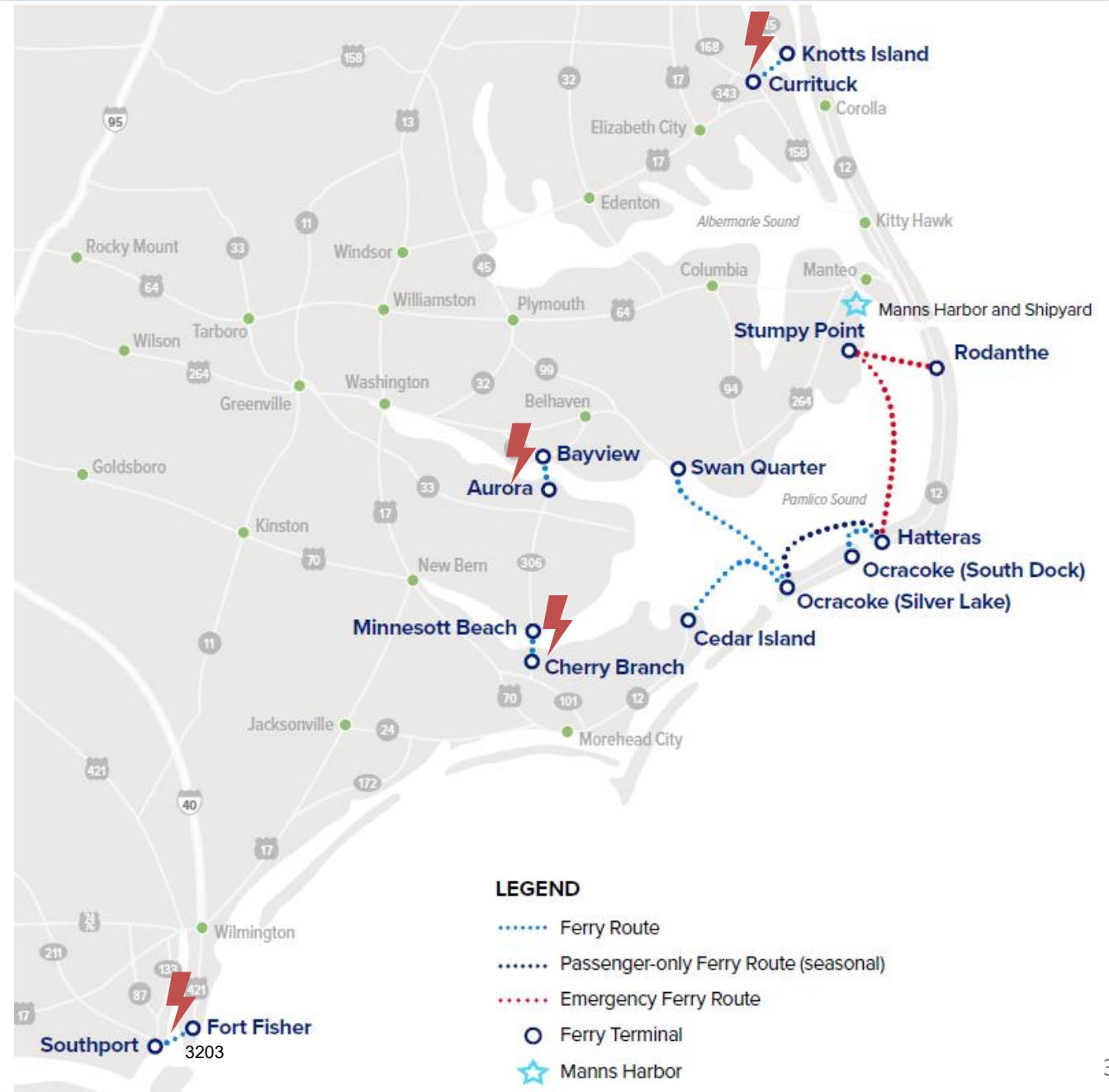
June 30, 2021

# Vessel Electrification

- Growing global trend
  - Reduces operational and maintenance costs
  - Mitigates green house gas emissions
- M/V Ampere
  - World's first all – electric ferry – 2015
  - Reported 80% reduction in maintenance cost and 95% reduction in emissions compared to similar fuel powered vessels
- Progress in several DOT organization
  - Alabama, California, Texas, Washington
- Europe
- Several private entities
  - Maid of the Mist, Tugboat Operators



- NCDOT Research and Development Call For FY22 Projects
- Submission of Vessel Electrification Investigation for the NCDOT Ferry Division Fleet
- Focus on short haul routes
- Awarded to Western Carolina University
- Project Term July 1, 2021 – June 30, 2023



# Vessel Electrification Investigation

## Scope of Work

- Assess the technical and economic feasibility of electrification options for both vessels and shoreside infrastructure along short haul routes
- Determine the workforce and environmental impacts based on the feasible options
- Develop a recommended implementation plan and schedule

## Deliverables

- Documented state of the technology and ferry industry as it relates to electrification
- Assessment of electrification vessel conversion and acquisition of new vessels
- Assessment of shoreside infrastructure for power delivery and charging transfer
- Assessment of workforce impacts including training needs and crew complements
- Life-cycle cost analyses of electrification options
- Estimates of reduced diesel consumption and corresponding emissions reductions
- Recommendations regarding vessel power strategies, infrastructure improvements, workforce considerations, and implementation schedule



# ETIPP

- Energy Transitions Initiative Partnership Project
  - Submitted by Tideland Electric Membership Cooperation
- Project leader is the National Renewable Energy Laboratory
- Effort to identify power grid needs on Ocracoke Island and at sites where ferries to Ocracoke launch
- Long term capital and project planning for Tideland



**ENERGY  
TRANSITIONS  
INITIATIVE**

U.S. Department of Energy

Partnership Project

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**ETIPP Overview**

**Ocracoke**

# Questions?

Contact Information

Catherine Peele

Ferry Division

Planning and Development Manager

[cdpeele@ncdot.gov](mailto:cdpeele@ncdot.gov)

252-423-5129



**North Carolina Board of Transportation**  
1 South Wilmington Street Raleigh, North Carolina 27601  
**July 1, 2021**

As authorized by North Carolina General Statute §143B-350(f)(1c):

- To review and approve the Department's use of bonds, including for federally funded projects.

The Board of Transportation is scheduled to authorize the 2021 Grant Anticipation Revenue Vehicle (GARVEE) bond issuance during its July 1, 2021, meeting.





## **NORTH CAROLINA**

Department of Transportation



# Proposed 2021 GARVEE ISSUANCE

Michelle Overby, Funds Administration Manager

June 30, 2021

# 2021 GARVEE Bond Issuance

- \$300 million par
- Will fund 16 highway construction projects (see chart and map below)
- Expected low interest cost
- Supported by federal highway funding
- 8<sup>th</sup> GARVEE bond issuance since program created in 2005
- NCDOT seeks Board approval to move forward with the new money issuance

# GARVEE Debt Profile

**•To date seven New Money and one Refunding series have been issued pending approval:**

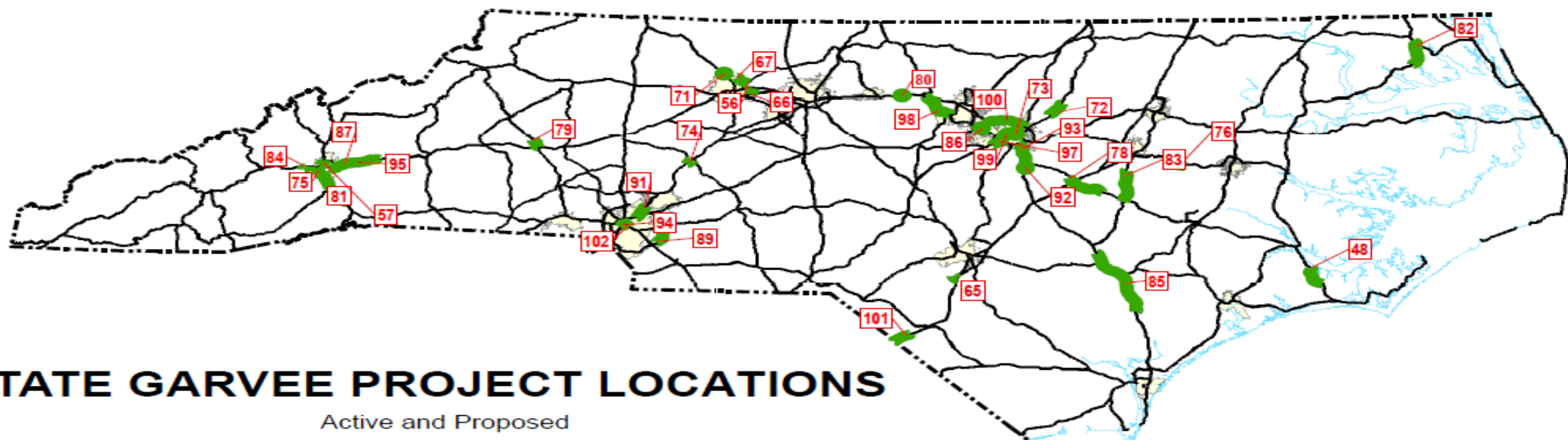
<b>•October 2007</b>	<b>\$287.6 million</b>
<b>•August 2009</b>	<b>\$242.5 million</b>
<b>•December 2011</b>	<b>\$145.5 million</b>
<b>•January 2012</b>	<b>\$179.5 million</b>
<b>•May 2015</b>	<b>\$264.9 million</b>
<b>•August 2017</b>	<b>\$224.6 million (Refunding)</b>
<b>•June 2019</b>	<b>\$600.0 million</b>
<b>•September 2021</b>	<b>\$371.0 million</b>

**•Currently \$875.87 million outstanding**

# 2021 GARVEE Projects

STIP	COUNTY	DESCRIPTION	ACTIVITY	MONTH/YEAR	Project Cost	GARVEE AMOUNT
I-3306A	ORANGE	I-40 WIDENING	ROW/CON	August 2021	\$184,391,000	\$55,000,000
U-2579AB	FORSYTH	WINSTON SALEM LOOP	CON	December 2021	\$212,000,000	\$60,000,000
U-4700A	CATAWBA	US 321 WIDENING	ROW	UNDERWAY	\$64,000,000	\$35,000,000
I-4759	BUNCOMBE	I-40/LIBERTY ROAD INTERCHANGE	ROW	UNDERWAY	\$12,000,000	\$6,000,000
I-4400C	BUNCOMBE/HENDERSON	I-26 WIDENING	CON	UNDERWAY	\$271,226,965	\$20,000,000
R-1015	CRAVEN	US 70 HAVELOCK BYPASS	CON	UNDERWAY	\$183,208,716	\$65,000,000
U-2519AA	CUMBERLAND/ROBESON	FAYETTEVILLE OUTER LOOP	CON	UNDERWAY	\$129,749,000	\$40,000,000
I-5940	PENDER/DUPLIN	I-40 PAVEMENT REHAB	CON	UNDERWAY	\$27,824,419	\$15,000,000
R-2247EB	FORSYTH	WINSTON SALEM LOOP	CON	UNDERWAY	\$134,150,000	\$10,000,000
R-2814C	FRANKLIN/WAKE	US 401 WIDENING	CON	UNDERWAY	\$37,883,883	\$10,000,000
U-2579D	FORSYTH	WINSTON SALEM LOOP	CON	UNDERWAY	\$140,778,000	\$10,000,000
I-5711	ALAMANCE	I-40/I-85 INTERCHANGE IMPROVEMENTS	CON	UNDERWAY	\$12,000,000	\$5,000,000
I-5997	WAKE	I-440/US 1 PAVEMENT REHAB	CON	January 2022	\$18,900,000	\$10,000,000
I-5999	WAKE	I-540 PAVEMENT REHAB	CON	December 2021	\$33,400,000	\$15,000,000
I-5939	ROBESON	I-95 PAVEMENT REHAB	CON	October 2021	\$13,200,000	\$5,000,000
I-5746C	MECKLENBURG	I-277 PAVEMENT REHAB	CON	October 2021	\$25,700,000	\$10,000,000
					\$1,500,411,983	\$371,000,000





## STATE GARVEE PROJECT LOCATIONS

Active and Proposed

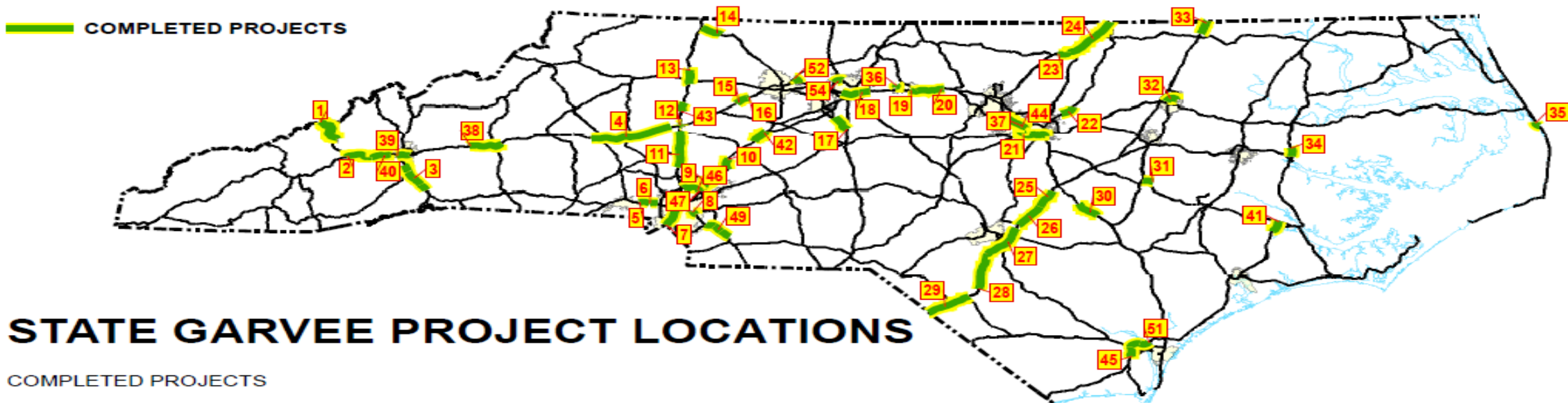
### Active Projects

- 56. U-2579C & ROW: WINSTON-SALEM NORTHERN BELTWAY IN FORSYTH COUNTY
- 73. I-5708: I-440 / US 1 IN WAKE COUNTY
- 74. I-5858: I-85 IN ROWAN COUNTY
- 75. I-4700: I-26 IN BUNCOMBE COUNTY
- 76. I-6032: US 264 (FUTURE I-587) IN GREENE COUNTY
- 78. I-6044: US 70 (FUTURE I-42) IN JOHNSTON COUNTY
- 82. I-6029: US 17 (FUTURE I-87) IN PASQUOTANK COUNTY
- 83. I-6047: I-795 IN WAYNE COUNTY
- 86. I-5700: I-40 IN WAKE COUNTY
- 87. I-6063: I-40 IN BUNCOMBE COUNTY
- 89. I-5904: I-485 IN MECKLENBURG COUNTY
- 91. I-5826: I-85 IN MECKLENBURG COUNTY
- 92. I-4739: ROW - I-40 IN JOHNSTON COUNTY
- 93. I-5111: ROW - I-40 IN WAKE COUNTY
- 94. I-5769: I-77 IN MECKLENBURG COUNTY
- 95. I-5890: I-40 IN BUNCOMBE COUNTY
- 97. U-2719 & ROW: I-440/US 1 IN WAKE COUNTY

### Proposed Projects

- 48. R-1015\*: US 70 HAVELOCK BYPASS IN CRAVEN COUNTY
- 65. U-2519AA\*: I-95 FAYETTEVILLE OUTER LOOP IN CUMBERLAND AND ROBESON COUNTIES
- 66. U-2579AB: WINSTON-SALEM NORTHERN BELTWAY IN FORSYTH COUNTY
- 67. U-2579D\*: WINSTON-SALEM NORTHERN BELTWAY IN FORSYTH COUNTY
- 71. R-2247EB\*: WINSTON-SALEM BELTWAY/US 52 INTERCHANGE IN FORSYTH COUNTY
- 72. R-2814C\*: US 401 IN FRANKLIN AND WAKE COUNTIES
- 79. U-4700A\*: ROW - US 321 IN CATAWBA, BURKE AND CALDWELL COUNTIES
- 80. I-5711\*: I-40/I-85 INTERCHANGE IMPROVEMENTS IN ALAMANCE COUNTY
- 81. I-4400BB\*: I-26 IN HENDERSON COUNTY
- 84. I-4759\*: ROW - I-40/SR 1228 LIBERTY ROAD IN BUNCOMBE COUNTY
- 85. I-5940\*: I-40 IN DUPLIN AND PENDER COUNTIES
- 98. I-3306A & ROW: I-40 IN ORANGE COUNTY
- 99. I-5997: I-440/US 1 IN WAKE COUNTY
- 100. I-5999: I-540 PAVEMENT REHAB IN WAKE COUNTY
- 101. I-5939: I-95 PAVEMENT REHAB IN ROBESON COUNTY
- 102. I-5746C: I-277 PAVEMENT REHAB IN MECKLENBURG COUNTY

\* Active projects with additional GARVEE amounts proposed.



1. I-4910: I-40 IN HAYWOOD COUNTY
2. I-5004: I-40 IN HAYWOOD COUNTY
3. I-5005A & I-4920: I-26 IN BUNCOMBE AND HENDERSON COUNTIES
4. I-5003: I-40 IN CATAWBA AND IREDELL COUNTIES
5. I-5007: I-85 IN GASTON COUNTY
6. I-5006: I-85 IN MECKLENBURG COUNTY
7. I-4720: I-77 IN MECKLENBURG COUNTY
8. U-209B: US 74 WIDENING IN MECKLENBURG COUNTY
9. I-3803B: I-85 WIDENING IN CABARRUS COUNTY
10. I-4718: I-85 IN ROWAN COUNTY
11. I-4723: I-77 IN IREDELL COUNTY
12. I-3819A: I-40/I-77 INTERCHANGE IN STATESVILLE
13. I-2808A: I-77 IN YADKIN COUNTY
14. I-5002: I-74 IN SURRY COUNTY
15. I-3600: I-40 IN DAVIE COUNTY
16. B-3637: I-40/NC 801 INTERCHANGE IN DAVIE COUNTY
17. R-2606B: US 311/FUTURE I-74 IN RANDOLPH COUNTY
18. I-4715: I-40/BUSINESS 85 IN GUILFORD COUNTY
19. I-4714: I-40/I-85 IN ALAMANCE COUNTY
20. I-4918: I-40/I-85/ IN ALAMANCE AND ORANGE COUNTIES
21. I-4709: I-40 IN WAKE COUNTY
22. R-2814B: US 401 ROLESVILLE BYPASS IN WAKE COUNTY
23. I-2810: I-85 IN VANCE COUNTY
24. I-4904: I-85 IN VANCE AND WARREN COUNTIES
25. I-4906: I-95 IN HARNETT COUNTY
26. I-4915: I-95 IN CUMBERLAND COUNTY
27. I-4917: I-95 IN CUMBERLAND COUNTY

28. I-4711: I-95 IN ROBESON COUNTY
29. I-4914: I-95 IN ROBESON COUNTY
30. I-5001B: I-40 IN SAMPSON COUNTY
31. R-2554BA: US 70 GOLDSBORO BYPASS IN WAYNE COUNTY
32. R-2823: ROCKYMOUNT NORTHERN CONNECTOR IN NASH COUNTY
33. I-4913: I-95 IN NORTHAMPTON COUNTY
34. R-2510C: US 17 IN BEAUFORT COUNTY
35. B-5014A: NC 12 OREGON INLET BRIDGE REPAIRS
36. U-3110B: NEW ROUTE IN ALAMANCE COUNTY
37. I-4744: I-40 IN WAKE COUNTY
38. I-4908BB: I-40 IN MCDOWELL COUNTY
39. I-5108: I-40 IN BUNCOMBE COUNTY
40. I-5109: I-40 IN BUNCOMBE COUNTY
41. R-2301A: US 17 NEW BERN BYPASS IN CRAVEN COUNTY
42. I-2304AC & ROW: I-85 IN ROWAN AND DAVIDSON COUNTIES
43. I-5106: I-77 IN IREDELL COUNTY
44. I-5112: I-40 & SR 1728 IN WAKE COUNTY
45. R-2633AA: US 17 WILMINGTON BYPASS IN NEW HANOVER COUNTY
46. R-2248E: I-485 CHARLOTTE OUTER LOOP IN MECKLENBURG COUNTY
47. R-2123CE: I-485/I-85 INTERCHANGE IN MECKLENBURG COUNTY
49. R-3329 & ROW: US 74 MONROE BYPASS IN UNION COUNTY
51. R-2633BA & BB: WILMINGTON BYPASS IN NEW HANOVER COUNTY
52. U-2579B: WINSTON-SALEM LOOP IN FORSYTH COUNTY
54. U-2524C: GREENSBORO WESTERN LOOP IN GUILFORD COUNTY

# Summary of GARVEE Cost Funding

- Of the total 80 identified GARVEE Projects, only those allocated or expected to be allocated proceeds of GARVEE Bonds are listed in the following table.
- The amounts shown for each project are for work associated with the particular NCDOT STIP number. Certain projects so listed are segments of larger NCDOT projects.
- In addition, the amounts listed reflecting the use of proceeds (including premiums on sale) of the Bonds and other GARVEE Bonds are estimates and could change.
- Such amounts are only included to provide information on the relative costs of such projects and the likely sources of financing.



Project (Map Location)	STIP#	Prior Years Bonds Including Premium	2021 GARVEE Bonds	Total GARVEE Funding	Total Project Costs
16	B-3637	10,094,181		10,094,181	12,482,696
30	B-5014A	11,745,207		11,745,207	15,647,321
42	I-2304AC & RW	122,175,372		122,175,372	161,279,008
98	I-3306A		51,000,000	51,000,000	175,000,000
98	I-3306A RW		4,000,000	4,000,000	9,391,000
9	I-3803B	62,174,722		62,174,722	131,417,065
12	I-3819A	43,954,679		43,954,679	93,525,978
81	I-4400BB & C	73,911,307	20,000,000	93,911,307	271,226,965
75	I-4700	54,000,000		54,000,000	263,010,000
92	I-4739 RW	15,000,000		15,000,000	26,950,000
37	I-4744	40,418,572		40,418,572	55,293,558
84	I-4759 RW		6,000,000	6,000,000	12,000,000
93	I-5111 RW	15,000,000		15,000,000	36,945,000
86	I-5700	10,000,000		10,000,000	34,895,403
73	I-5708 RW	1,000,000		1,000,000	14,806,000
80	I-5711		5,000,000	5,000,000	12,000,000
102	I-5746C		10,000,000	10,000,000	25,700,000
90	I-5769	3,038,925		3,038,925	10,448,341
91	I-5826	2,000,000		2,000,000	6,334,575
74	I-5858	10,000,000		10,000,000	16,273,639
95	I-5890	18,000,000		18,000,000	28,673,994
89	I-5904	6,049,190		6,049,190	7,013,554
101	I-5939		5,000,000	5,000,000	13,200,000
85	I-5940	9,000,000	15,000,000	24,000,000	27,824,419
99	I-5997		10,000,000	10,000,000	18,900,000
100	I-5999	3215	15,000,000	15,000,000	33,400,000
82	I-6029	3,203,797		3,203,797	4,643,184



Project (Map Location)	STIP#	Prior Years Bonds Including Premium	2021 GARVEE Bonds	Total GARVEE Funding	Total Project Costs
76	I-6032	3,833,590		3,833,590	6,000,000
77	I-6035	11,446,093		11,446,093	16,457,573
78	I-6044	5,075,132		5,075,132	5,243,527
83	I-6047	3,775,252		3,775,252	5,050,505
87	I-6063	5,000,000		5,000,000	22,271,239
48	R-1015 & RW	41,000,000	65,000,000	106,000,000	183,208,716
47	R-2123CE	38,745,528		38,745,528	114,959,319
71	R-2247EB	65,000,000	10,000,000	75,000,000	134,150,000
46	R-2248E	12,466,440		12,466,440	172,153,933
41	R-2301A	31,118,939		31,118,939	43,120,680
34	R-2510C	3,201,121		3,201,121	7,571,849
31	R-2554BA	68,152,567		68,152,567	69,445,519
17	R-2606B & RW	89,360,000		89,360,000	128,124,040
45	R-2633AA	31,050,000		31,050,000	78,078,984
51	R-2633BA/BB	145,271,229		145,271,229	204,051,402
22	R-2814B & RW	28,067,500		28,067,500	58,603,696
72	R-2814C	23,000,000	10,000,000	33,000,000	37,883,883
32	R-2823	31,317,889		31,317,889	35,764,844
8	U-0209B & RW	40,542,170		40,542,170	180,119,463
65	U-2519AA/AB	71,000,000	40,000,000	111,000,000	129,749,000
54	U-2524C	97,734,189		97,734,189	128,944,608
66	U-2579AB		60,000,000	60,000,000	212,000,000
52	U-2579B	56,602,130		56,602,130	161,699,947
56	U-2579C RW	6,500,000		6,500,000	8,685,000
67,68,69	U-2579D/E/F	92,000,000	10,000,000	102,000,000	140,778,000
97	U-2719 & RW	152,000,000		152,000,000	431,698,000
36	U-3110B	10,543,946		10,543,946	14,820,770
79	U-4700A RW		35,000,000	35,000,000	64,000,000
	Various	254,066,330		254,066,330	351,802,054
		\$ 1,928,635,997	\$ 371,000,000	\$ 2,299,635,997	\$ 4,664,718,251

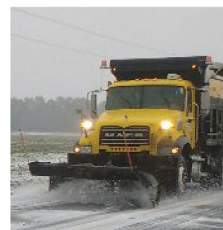
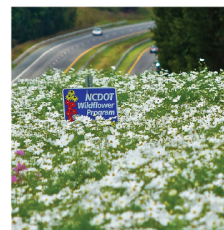
# Series 2021 Financing Timetable

Date	Activity
August 6 - 11	Rating Agency Calls
August 16	Receive Ratings
August 16	Mail POS
August 23	Pricing
September 6	Expected Closing



## **NORTH CAROLINA**

Department of Transportation



## **North Carolina Department of Transportation Approved Spend Plan 2022 & 2023**

## Key Points Pertinent to the NCDOT FY22 - FY23 Spend Plan

The FY21 and FY22 Spend Plan was approved by the Board of Transportation (BOT) and the Office of State Budget & Management (OSBM) July 1, 2021 and June 30, 2021, respectively. The attached information illustrates the cash impact of business unit spend plans in a format that can be used to determine how much of the budget will be spent (cash outlay) in the respective fiscal year. Revenues were based on a consensus revenue forecast in February 2021. Expenditures are forecasted (in some cases month to month by business areas) to better measure the need for cash to support expenditures. The underlying budget used for the spend plan was the SFY 2021 Continuation Budget less nonrecurring items.

DOT has also included a Budget and Spend Plan spreadsheet to track expenses against the approved plan.

Lastly, the 24 Month Forecast document depicts cash impacts to the spend plans within statutory parameters. This will be evaluated monthly to depict actual revenue collections and expenses incurred for the period. Items of concern will be reported to the Secretary and others immediately.

The Financial Management Division will provide monthly reporting to governing parties. Changes to the Spend Plan targets for business areas will be presented to DOT's Financial Planning Committee (comprised of staff and representation from BOT, OSBM, and the Federal Highway Administration, OSBM, BOT's Financial Subcommittee of the BOT, and the BOT. When the certified budget passes, we will seek approval to address business area needs.

Stephanie J King  
CFO

Highway Fund Appropriations 2022-23	H77 Continuation Budget	State Non-recurring Items Adjustments	State Revised Continuation Budget	2022-23 Approved Spend Plan
				<i>*Includes Federal \$</i>
DOT-General Administration	101,153,568	(4,750,000)	96,403,568	96,403,568
Highway Division Administration	31,063,109		31,063,109	31,063,109
Federal Aid Match - Planning and Research				
Construction Program				
State Secondary System	3,500,000	8,500,000	12,000,000	12,000,000
Access and Public Service Roads				
Spot Safety Improvements	12,100,000		12,100,000	15,000,000
Contingency Funds	12,000,000		12,000,000	12,000,000
Mobility Modernization	1,500,000	39,943,078	41,443,078	41,443,078
Total Construction Program	\$ 29,100,000	\$ 48,443,078	\$ 77,543,078	\$ 80,443,078
Maintenance Program				
General Maintenance Reserve	518,162,344	(84,165,752)	433,996,592	470,895,892
Contract Resurfacing	558,674,899	(22,992,419)	535,682,480	631,680,867
Bridge Program	273,967,830		273,967,830	330,626,275
Bridge Preservation	69,899,551	265,334	70,164,885	83,654,192
Roadside Environmental	101,328,653		101,328,653	96,328,653
Pavement Preservation	85,358,348	265,335	85,623,683	117,852,211
Total Maintenance Program	\$ 1,607,391,625	\$ (106,627,502)	\$ 1,500,764,123	\$ 1,731,038,090
Ferry Operations	50,779,786		50,779,786	53,600,000
State Aid to Municipalities	137,079,699	10,420,301	147,500,000	147,500,000
State Aid to Railroads	36,088,487	8,325,000	44,413,487	119,300,000
State Aid for Public Transportation	18,012,655	76,192,980	94,205,635	139,738,451
Airports	132,164,576	(217,610)	131,946,966	181,600,000
Bike/Ped	761,549		761,549	761,549
OSHA Program	358,030		358,030	358,030
Governor's Highway Safety Program	267,914		267,914	13,800,000
Division of Motor Vehicles	142,602,058	794,048	143,396,106	143,396,106
MCSAP/DMV Grants	2,161,172		2,161,172	2,161,172
Total Department of Transportation	\$ 2,288,984,228	\$ 32,580,295	\$ 2,321,564,523	\$ 2,741,163,153
Transfers to Other State Agencies				
Agriculture	5,539,856		5,539,856	5,539,856
Revenue	5,415,158		5,415,158	5,415,158
OSC-BEST	525,408		525,408	525,408
OSBM-Civil Penalties				
OSBM-Oversight Manager				
State Ports Authority	5,500,000	(5,500,000)	-	-
State Ethics Commission	56,816		56,816	56,816
DHHS - Chemical Test	581,675		581,675	581,675
Total Transfers to Other State Agencies	\$ 17,618,913	\$ (5,500,000)	\$ 12,118,913	\$ 12,118,913
Reserves				
Minority Contractor Development	150,000		150,000	150,000
State Fire Protection Grant	158,000		158,000	158,000
Stormwater Discharge Permit	500,000		500,000	500,000
Global Transpark	750,000		750,000	750,000
Admin Reduction	(581,441)		(581,441)	(581,441)
Salary Adjustment Fund	832,422		832,422	832,422
Reserve for Call Center Consolidations	556,074		556,074	556,074
Reserve for Legislative Increase	11,034,210		11,034,210	11,034,210
Reserve for State Health Plan	3,411,891		3,411,891	3,411,891
Short Term Disability	171,184		171,184	171,184
State Employee Reserve	-1,859,714		(1,859,714)	(1,859,714)
Workers' Comp Adjustment Reserve				
Employer's Contribution to Retirement	11,674,233	(530,669)	11,143,564	11,143,564
Employer's Contribution to Death Benefit				
Total Reserves	\$ 26,796,859	\$ (530,669)	\$ 26,266,190	\$ 26,266,190
Total Current Operations	2,333,400,000	26,549,626	2,359,949,626	2,779,548,256
Transfer to the Emergency Reserve Fund	-			61,000,000
Total Highway Fund Appropriation	\$ 2,333,400,000	\$ 26,549,626	\$ 2,359,949,626	\$ 2,840,548,256
Highway Trust Fund Appropriation 2021-22				
	H77 Continuation Budget	State Non-recurring Items Adjustments	State Continuation Budget	2022-23 Approved Spend Plan
Program Administration	35,626,560		35,626,560	35,626,560
Bond Redemption	27,690,000		27,690,000	27,690,000
Bond Interest	29,134,500		29,134,500	29,134,500
Turnpike Authority	49,000,000		49,000,000	49,000,000
State Ports Authority	45,000,000		45,000,000	45,000,000
FHWA State Match	4,640,000		4,640,000	4,640,000
Transfer to Visitor Center	400,000		400,000	400,000
Strategic Prioritization	1,039,408,940	402,192,660	1,441,601,600	3,655,500,000
Total Trust Fund Appropriation	\$ 1,230,900,000	\$ 402,192,660	\$ 1,633,092,660	\$ 3,846,991,060
	3220			
	\$ 3,564,300,000	\$ 428,742,286	\$ 3,993,042,286	\$ 6,687,539,316

	SFY 2022 Draft Proposed Spend Plan			
	SFY 20	SFY 21	SFY 22	SFY 23
	12Month Total	12Month Total	12Month Total	12Month Total
<b>OPENING CASH BALANCE</b>	\$ 434	\$ 266	\$ 1,849	\$ 1,180
<b>REVENUES</b>				
State revenues	\$ 3,687	\$ 4,074	\$ 4,016	\$ 4,124
Federal aid	1,464	1,448	1,201	1,201
Federal aid - InfraGrant	-	68	64	23
Turnpike Federal Aid	2	23	-	-
Other	147	198	242	167
	5,299	5,812	5,524	5,515
<b>GARVEE REIMBURSEMENT FROM TRUSTEE</b>	182	304	206	450
<b>BUILDNC REIMBURSEMENT FROM TRUSTEE</b>	187	595	288	77
<b>TOTAL REVENUES &amp; OTHER RECEIPTS</b>	\$ 5,669	\$ 6,711	\$ 6,017	\$ 6,043
<b>CONSTRUCTION EXPENDITURES</b>				
Garvee Expenditures	(231)	(366)	(745)	(827)
Garvee Debt Service	(132)	(132)	(160)	(160)
Division of Mitigation Services (Formerly EEP)	(42)	(10)	(49)	(33)
BUILDNC Expenditures	(127)	(527)	(381)	(232)
BUILDNC Debt Service	(28)	(69)	(93)	(93)
TIP	(2,973)	(1,737)	(2,120)	(2,361)
TIP - InfraGrant	-	(91)	(101)	(135)
Turnpike Authority	(7)	(8)	(2)	(2)
Internal Orders	(8)	(16)	(12)	(12)
Congestion Mitigation & Air Quality (CMAQ)	(25)	(32)	(55)	(30)
Total Construction	\$ (3,574)	\$ (2,988)	\$ (3,717)	\$ (3,885)
<b>MAINTENANCE EXPENDITURES</b>				
Other Construction - Secondary Roads	\$ (5)	\$ (5)	\$ (12)	\$ (12)
Other Construction - Spot Safety Improvements	(5)	(6)	(15)	(12)
Other Construction - Contingency	(5)	(5)	(12)	(12)
Other Construction - Mobility/Modernization	(25)	(14)	(41)	(41)
General Maintenance Reserve	(396)	(401)	(310)	(274)
Contract Resurfacing	(79)	(326)	(631)	(536)
Roadside Environmental	(63)	(120)	(96)	(101)
Pavement Preservation	(219)	(60)	(118)	(85)
Bridge Program	(49)	(117)	(330)	(274)
Bridge Preservation	(476)	(49)	(84)	(70)
Undeclared Disasters including Snow & Ice	-	(68)	(94)	(94)
Disaster Funding - FEMA	(61)	(33)	(67)	(67)
Total Maintenance	\$ (1,382)	\$ (1,204)	\$ (1,811)	\$ (1,578)
<b>OTHER MODES</b>				
Integrated Mobility Division	\$ (105)	\$ (91)	\$ (115)	\$ (120)
Integrated Mobility Division - New Starts	0	(37)	(26)	0
Ferry Operations	(57)	(50)	(54)	(50)
Railroad program	(37)	(53)	(119)	(45)
Airports	(121)	(188)	(182)	(162)
Total Other Modes	\$ (321)	\$ (420)	\$ (495)	\$ (377)
<b>OTHER EXPENDITURES</b>				
Administration	\$ (369)	\$ (285)	\$ (331)	\$ (331)
Transfers to Other State Agencies	(64)	(78)	(58)	(58)
Transfers to General & Emergency Fund/NCTA - GAP	(49)	(49)	(110)	(49)
State aid to municipalities	(148)	(133)	(148)	(148)
Debt Service	(88)	-	-	-
Other Programs	(38)	(21)	(18)	(18)
Total Other Expenditures	\$ (755)	\$ (566)	\$ (664)	\$ (603)
<b>TOTAL EXPENDITURES</b>	\$ (6,031)	\$ (5,178)	\$ (6,687)	\$ (6,444)
<b>OTHER CHANGES IN CASH</b>				
Working capital changes	\$ 6	\$ 51	\$ -	\$ -
	\$ 195	\$ 51	\$ -	\$ -
<b>NET CHANGE IN CASH</b>	\$ (168)	\$ 1,584	\$ (670)	\$ (401)
<b>CLOSING CASH BALANCE</b>	\$ 266	\$ 1,849	\$ 1,180	\$ 779

# 24 Month Forecast

