

# I N D E X

## BOARD OF TRANSPORTATION MEETING

June 6, 2019

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## **BOARD OF TRANSPORTATION MEETING**

**June 6, 2019**

### **Call to Order**

Chairman Fox called the meeting of the Board of Transportation to order at 9:01 a.m. on Thursday, June 6, 2019, in Raleigh, North Carolina with the following members present: Fox, Szlosberg-Landis, Moran, Overholt, Tulloss, Hunt, Molamphy, Tarleton, Pope, Lathrop, Debnam, Taft, and Zimmer.

Board Member Tulloss and Board Member Wells called in to the meeting.

Board Member Alford, Board Member Jordan, Board Member Perkins and Board Member Bowles 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 abstain from participation in that particular item and to file the proper paperwork with the Secretary to the Board of Transportation.

### **ACTION**

#### **Approval – May 1<sup>st</sup>, 2019 and May 2<sup>nd</sup>, 2019 Board Meeting Minutes**

Chairman Fox stated that the meeting minutes were distributed for review prior to the meeting. Chairman Fox asked for a motion to approve the meeting minutes from the Wednesday, May 1st, 2019 and Thursday, May 2nd, 2019 Board of Transportation meeting. A motion was made by Board Member Lathrop and seconded by Board Member Zimmer. Members of the Board of Transportation unanimously approved the meeting minutes as provided.

#### **Road, Bridge and Ferry Naming Honorary Designations**

**University of North Carolina – Chapel Hill National Championship, Girls' Field Hockey  
NCAA Division 1 (Division 7)**

The University of North Carolina Chapel Hill 2018 Women's Field Hockey team won the NCAA Division 1 National Championship. Chairman Fox called on Vice-Chair Szlosberg-Landis to present a resolution honoring the University of North Carolina at Chapel Hill with eight national championship signs that read North Carolina Tar Heels 2018 Field Hockey National Champions. The resolution was unanimously approved by the Board upon a motion by Vice-Chair Szlosberg-Landis and seconded by Board Member Clarke. (A copy of the resolution is at the end of this document).

### **Technical corrections to update the June 6, 2019 meeting record**

Chairman Fox announced that there were some minor technical corrections that were needed for the Lyndo Tippet and Mac Campbell, Jr. actions from last month's Board meeting on June 6, 2019. Chairman Fox stated last month the naming's were approved without the designated section of I-295 for Tippet or the NC-87 Bypass for Campbell. Chairman Fox mentioned that at this time, the Board would update the actions accordingly to specify which portions of the roads will be named for the honorees.

#### **Resolution for Mac Campbell Jr. Highway**

Chairman Fox read the motion to update the Board's action last month for the Mac Campbell Jr. Highway. Chairman Fox stated NOW, THEREFORE, BE IT RESOLVED: That the North Carolina Board of Transportation names the NC-87 Bypass from NC-41 to NC-87 in Bladen County as the Mac Campbell Jr Highway. The updated resolution was unanimously approved by the Board upon a motion by Chairman Fox and seconded by Board Member Debnam.

#### **Resolution for Lyndo Tippet Highway**

Chairman Fox read the motion to update the Board's action last month for the Lyndo Tippet Highway. Chairman Fox stated NOW, THEREFORE, BE IT RESOLVED: That the North Carolina Board of Transportation names a section of I-295 from I-95 to US-401 in Cumberland County as the Lyndo Tippet Highway. The updated resolution was unanimously approved by the Board upon a motion by Chairman Fox and seconded by Board Member Pope.

## **Secretary's Remarks**

Secretary Trogdon shared that May was another busy month across the Department. Secretary Trogdon mentioned the Department held its first NC F1RST Commission meeting in early May. The 14-member commission composed of financial economists, business and public policy experts is tasked with evaluating current and future transportation investment needs. Tony Lathrop will be the board's point of contact for NCF1RST and will keep members updated on its activities.

Secretary Trogdon discussed having the privilege of speaking at the Research and Innovation Summit at North Carolina A&T State University on May 7. He mentioned the summit gave university research partners exposure on innovative projects and a chance to coordinate with professionals on ways to address transportation-related issues.

Secretary Trogdon shared he also participated in a panel discussion at the SpeedNews Aerospace Manufacturing Conference in Greensboro on May 7. The conference provided the Department national exposure for recruiting aerospace manufacturing companies and allowed the Department to showcase their assets, such as the example at the PTI airport. The PTI airport has grown into a major national aerospace and logistics hub as home to companies like Haeco Americas, Honda Aircraft Company and FedEx.

Secretary Trogdon mentioned he met with the Rowan Chamber of Commerce during their Legislative Day and participated in the N.C. Chamber of Commerce's Transportation and Infrastructure Summit.

Secretary Trogdon announced that we had \$600M worth of GARVEE bonds awarded in May with an overall yield of 2.39 percent and quality investment grades of A+ by Fitch, A2 by Moody's and AA by S&P. A major milestone was May 23, when the Council of State approved issuing bonds for Build NC. This tool will ensure the department can continue to deliver critical road projects that do not qualify for GARVEE bonds. It allows us to borrow up to \$300M annually for 10 years. This first issuance of Build NC bonds received AA+ ratings from all three financial ratings agencies. The first bond sale will occur later this month.

Additionally, he shared that the General Assembly passed Senate Bill 605. Senate Bill 605 will allow the Department to receive a loan from the state's rainy-day fund. The Department will utilize use these funds while the Department waits for reimbursement from FEMA.

## **Passenger Ferry Launch**

Secretary Trogdon announced that on May 20 the Department launched the Ocracoke Express passenger-only ferry. Secretary Trogdon mentioned instead of taking a vehicle ferry, people now have the option to leave their cars behind by boarding the Ocracoke Express. The Ferry Division is leasing the passenger ferry from a New Jersey-based company. This ferry seats 149 people which is more than three times a vehicle ferry and currently costs \$2 round trip. It takes people from Hatteras through the Pamlico Sound directly to Ocracoke Village. Secretary Trogdon stated the Ocracoke Express has been well received and had 2,335 people ride in its first 10 days. Secretary Trogdon also mentioned the passenger ferry currently under construction is behind schedule. The Department continues to make every effort to see that vessel be completed, with a backup plan of extending the leased ferry for an additional season.

## **DMV Customer Service Improvements for Summer Rush**

Secretary Trogdon mentioned a new driver license office opened near the UNC-Charlotte campus with 15 workstations which makes the new location the largest in the state. Secretary Trogdon shared Saturday morning services are being offered at two additional Wake County driver license offices through August 24 and a new driver license express office will be opening at the Depot in Greensboro on June 17. Secretary Trogdon revealed other process improvements which include more express lines, dedicated road test teams, and customer service representatives on hand to assist customers with documents and maximize service. The goal is to reduce demand by 20% by vastly increasing appointments, improve efficiency by 40% by reducing service times, and improve capacity by 20% by adding driver license examiners and offices.

## **Opening of I-77 Express Lanes**

Secretary Trogdon shared the northern section of the I-77 Express Lanes opened north of Charlotte, between Huntersville and Mooresville. The remaining section is scheduled to open later this year. Secretary Trogdon mentioned the Turnpike Authority is providing NC Quick Pass account management, billing and customer service for the express lanes. Since the authority opened two NC Quick Pass customer service centers last year, there has been more than 157,000 transponders have been issued.

## **Vision Zero Initiative**

Secretary Trogdon discussed we're now in the 100 deadliest days of summer. The Department urges parents to educate themselves and teen drivers about risky driving behaviors

like speeding, distracting driving and not wearing a safety belt. Vision Zero groups in several locations across the state continue the mission to eliminate highway deaths. The Department continues to work closely with the Robeson County Vision Zero Task Force, the only county-wide group in the state. He shared that announced at the task force meeting last week, the Governor's Highway Safety Program awarded a \$56K grant for a new program aimed at increasing seat belt usage in Robeson County, which averages 45 traffic deaths per year.

The program focuses on education where people cited for failing to buckle up can take a two-hour education class to have the citation and fine waived on their first offense. They also are working with the task force and other local agencies studying two highway corridors in Robeson County where 11 people have died over the last 5 years.

### **Staff Announcements and Acknowledgements**

Secretary Trogon announced Chuck Watts has accepted a position with the City of Greensboro as the new City Attorney. Secretary Trogon thanked Chuck for his service to the Department. Secretary Trogon acknowledged Daniel Johnson, who has served as NCDOT's deputy general counsel since 2017, as the Department's new general counsel.

Secretary Trogon welcomed J.J. Eden in his new role as the Executive Director of the N.C. Turnpike Authority.

Secretary Trogon acknowledged how the Department strives to take time to recognize the employees who go above and beyond in their service and contributions at work. In the past month several employees acted quick to help others in medical emergencies in Divisions Six and Nine. Secretary Trogon proudly announced Extra Mile Award recipients Joe Bailey, Chris Spears, Keith Rivenbark, Brian Matthews and Steven Walker of Division Six and Stevie McCrary, William Reeves and Saygoondoe Raygaladoe of Division Nine.

### **Holly Grove Middle School Student Recognition**

Secretary Trogon invited John Sandor, Division Five District Engineer forward to share the project development and accomplishment of sixth grade students from Holly Grove Middle School in Holly Springs. The students were present at the meeting with Ms. Schelin, their teacher alongside several parents. A brief video describing the student project was shown for the audience. The students were recognized by the Secretary and Members of the Board of Transportation for their development of an innovative, award-winning safety device for school bus stops. Secretary Trogon recognized the group of sixth graders and presented them with a Certificate of Appreciation.

## **DELEGATED AUTHORITY ITEMS**

### **Approval – Award of Highway Construction Contracts in May 2019 Letting**

Chairman Fox stated that items C, D, E, H, and L are delegated to the Secretary and require no formal action by the Board. He shared that for Item C: All projects were awarded by the Secretary to the lowest bidder.

### **Approval – Adopt Proposed Administrative Code for Logo/Tourist Oriented Directional Signs (TODS) Program**

Chairman Fox reminded members of the Board that they received an email in advance with detailed information explaining the Logo/TODS information. Additionally, information was provided in yesterday's work session. Chairman Fox stated currently, NCDOT is readopting rules in 19A NCAC Chapter Two – Division of Highways. The Secretary of Transportation is the rule-making authority for all rules except those pertaining to the Logo Program and Tourist Oriented Directional Signs (TODS) Program. The Board of Transportation is the rule-making authority for the four rules associated with the Logo/TODS program. The four rules are Logo Program, Location of the Tourist Oriented Directional Signs (TODS), Composition of Signs, and Fees. Chairman Fox stated if there are no additional items of discussion, he would accept a motion from the Board to approve the four rules related to the Logo/TODS program. A motion was made by Board Member Debnam and seconded by Board Member Clarke. (A copy of the action items are at the end of the document)

### **Approval of Projects**

A motion was made by Board Member Overholt and seconded by Board Member Alford to approve all projects for items G, I (I-1, I-1A, I-2, I-3, I-4 ), K, M, N, O, P, R (excluding items C, D, E, H, and L as they are delegated authority items and require no formal board action).

Board Member Zimmer abstained from voting on all projects for items:

- Item K-2 – Project U-5917, Pitt Co. Div. 2: WBS 44679.2.1 SR 1704 (Fourteenth Street) from Red Banks Road to SR 1708 (Firetower Road). Initial funds are requested for full right of way and utilities. This is a BUILD NC BOND project with a principal amount of \$2,000,000.00. Bond repayment requires \$172,000.00



of State Highway Trust Funds in SFY 19 through SFY 33. This project also has \$1,315,000.00 in additional State Highway Trust Funds in SFY 19.

- Item K-5 – Project I-5795; Forsyth Co. Div. 9: WBS 53034.1.2 I-40 from 0.3 mile east of SR 3153 (Hanes Mall Boulevard) to 0.9 mile east of NC 150 (Peters Creek Parkway) in Winston Salem and SR 2747 (Clemmons Road) in Winston Salem to Guilford County Line. Initial funds are requested for preliminary engineering.
- Item L-1 – Project SS-4902DH; Carteret Co. Div. 2: WBS 48742.3.1 SR 1124 (Nine Mile Road/Nine Foot Road) between NC 24 and US 70. Initial Spot Safety construction funds are needed for warning sign revisions. File 02-18-54444C.
- Item M-2 – Project W-5702J; Carteret Co.: 44848.3.10, HSIP-0024(086) NC 24 in Carteret County from NC 24 between Bryan Street and US 70 and US 70 between NC 24 and Rochelle Drive. Funds are needed for construction for signing and pavement markings.
- Item M-3 – Project ER-5600CF; Brunswick Co.: 46305.3.65, STP-0337(002) Ocean Isle Beach-NC 179/904. Funds are needed for construction for landscape.
- Item M-3 – W-5703C; New Hanover Co.: 44849.1.3, HSIP-0421(091) US 421 (Carolina Beach Road) between US 117 / NC 132 (College Road) and 200 feet north of Willoughby Park Road. \$460,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.
- Item N – Project U-6008; GUILFORD Co.: SR 2085 (BRYAN BOULEVARD), NEW GARDEN ROAD AT HORSEPEN CREEK ROAD IN GREENSBORO.
- INTERCHANGE IMPROVEMENTS, INCLUDING NEW RAMP FROM WESTBOUND NEW GARDEN ROAD TO WESTBOUND SR 2085.
- Item O – Project U-5729; City of Wilmington New Hanover County.: 54020.1.1, This Project consists of improvements on US 421 (Carolina Beach Road) from US 421 (Burnett Avenue) at US 117 (Shipyard Boulevard) in Wilmington. This Agreement is for Design and Environmental Documentation. The Department is responsible for the Project. At the request of the Municipality, the Department shall design the streetscape betterments for the Project. The Municipality will reimburse the Department 100% for the work. The estimated reimbursement for the design work is \$191,527.

Board Member Lathrop abstained from voting on the following project items:

- Item R-2 – Project 38356.2.2: Anson County; I.D. No. B-4407; Bridge No. 70 over Rocky River on US 52 (Anson and Stanly Counties)
- Item O – Project 48735; Town of Davidson Mecklenburg County: This Project consists of installing RRFB's (Rapid Response Flashing Beacons) at four crosswalk intersections in Davidson: Beaty Street (SR 6039) and Magnolia Street; Concord Road (SR 2693) and Baker Drive; South Main Street (NC 115) and Eugenia Street; and North Main Street (NC 115) and Glasgow Street. The Municipality shall perform the work. The Department shall participate in the costs of the Project in an amount not to exceed \$100,000. Costs which exceed this amount shall be borne by the Municipality.

# **NCDOT Board of Transportation Agenda**

## **ITEM C**

**MAY 21, 2019**

**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.  
MAY 21, 2019  
DIVISION 00002

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C204332

47981.3.GV1, 47984.3.GV1

NHPIM-0264(068), NHPIM-0264(067)

GREENE, PITT

I-6032, I-6035

PROPOSAL LENGTH 18.110 MILES

TYPE OF WORK PAVEMENT REHABILITATION.

LOCATION US-264 (FUTURE I-587) FROM WILSON COUNTY LINE TO SR-1467 (STANTONBURG RD)  
INTERCHANGE (GREENVILLE SW BYPASS).

EST CONST PROGRESS.... FY-2020..59% OF BID

FY-2021..36% OF BID

FY-2022..05% OF BID

RPN 004

2 BIDDER(S)

DBE GOAL 6.00 %

ESTIMATE 29,198,270.29

DATE AVAILABLE JUL 08 2019

INTER COMPLETION SEP 15 2021 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION OR  
PERMANENT VEGETATION ESTABLISHMENT

FINAL COMPLETION MAR 14 2022

	\$ TOTALS	% DIFF
S T WOOTEN CORPORATION WILSON, NC	22,457,573.08	-23.1
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC	24,251,942.00	-16.9

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HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
MAY 21, 2019  
DIVISION 00004

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C204333  
47993.3.GV1  
NHPIM-0042(076)  
JOHNSTON  
I-6044

PROPOSAL LENGTH 7.490 MILES

TYPE OF WORK PAVEMENT REHABILITATION.

LOCATION US-70 (FUTURE I-42) FROM SR1003 (BUFFALO RD) TO WAYNE COUNTY LINE.

EST CONST PROGRESS.... FY-2020..86% OF BID  
FY-2021..14% OF BID

RPN 006 3 BIDDER(S) DBE GOAL 8.00 %  
ESTIMATE 5,804,131.40

DATE AVAILABLE JUL 01 2019

INTER COMPLETION SEP 25 2020 COMPLETE ALL WORK EXCEPT FINAL PAVEMENT MARKINGS AND MARKERS

FINAL COMPLETION OCT 30 2020

	\$ TOTALS	% DIFF
S T WOOTEN CORPORATION WILSON, NC	4,766,843.00	-17.9
FSC II LLC DBA FRED SMITH COMPANY RALEIGH, NC	5,074,153.21	-12.6
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC	5,185,516.56	-10.7

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HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
MAY 21, 2019  
DIVISION 00008

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C204329

45892.3.2, 45894.3.3

NHPIM-0073(053), NHPIM-0073(056)

RICHMOND, MONTGOMERY

I-5946A, I-5947B

PROPOSAL LENGTH 8.620 MILES

TYPE OF WORK MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.

LOCATION I-73/74 FROM SR-1455 TO US-220 IN RICHMOND COUNTY AND FROM NC-211 TO NC-24/27 IN MONTGOMERY COUNTY.

EST CONST PROGRESS.... FY-2020..100% OF BID

RPN 008 2 BIDDER(S) DBE GOAL 4.00 %  
ESTIMATE 5,773,897.13

DATE AVAILABLE JUL 01 2019

FINAL COMPLETION APR 30 2020

	\$ TOTALS	% DIFF
BARNHILL CONTRACTING COMPANY ROCKY MOUNT, NC	5,620,738.80	-2.7
RILEY PAVING INC CARTHAGE, NC	5,739,415.85	-0.6

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ESTIMATE TOTAL	40,776,298.82	
LETTING TOTAL	32,845,154.88	-19.5

**NCDOT June 2019  
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**

**Transportation Mobility and Safety – ITS & Signals Management Section**

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

**DIVISION 2**

Project:	44996.1.1 (U-5952) Pitt County Greenville – Signal System
Scope of Work:	ITS and Signal Design
Estimated Construction Cost:	\$8,472,000.00
Firm:	Dewberry Engineers Inc, Raleigh, NC
Original Engineering Fee:	\$1,800,000.00
Supplemental Fee:	\$100,000.00
Supplemental Work:	Additional structural review of existing metal signal poles; additional CCTV site surveys; additional proposed aerial communications cable services including utility make-ready (UMR) plan sheets and cable routing plan (CRP) plan sheets; additional DSRC/cellular connected vehicle (CV) communications equipment; additional traffic signal plans and electrical details with advanced video detection systems (i.e. GRIDSMART detection).
SPSF Utilization:	0%

### **Transportation Mobility and Safety – Traffic Management Unit**

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

#### **STATEWIDE**

Project:	50088.15.9FS1 (W-5517) Statewide STAR Project (Smart Technologies for America's Roadways)
Scope of Work:	Use AI to assess the condition of pavement, lines, and traffic signs for up to 100 miles of roads.
Estimated Construction Cost:	\$0
Firm:	Robocist Inc, Raleigh, NC
Maximum Engineering Fee:	\$87,314.00
SPSF Utilization:	0%

### **Deputy Chief Engineer**

#### **Highway Operations**

### **Roadside Environmental Unit – Erosion Control Engineering Section**

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 Erosion and Sediment Control Design Statewide on an as needed basis for various federal-aid and state funded projects to support the Roadside Environmental Unit. These contracts will expire three (3) years with one (1) optional one-year extension after the date of execution or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

#### **STATEWIDE**

Description of Work:	2019 Erosion and Sediment Control Design Statewide LSC
Firm:	HDR Engineering Inc of the Carolinas, Chicago, IL
Maximum Engineering Fee:	\$750,000.00
SPSF Utilization:	0%
Description of Work:	2019 Erosion and Sediment Control Design Statewide LSC
Firm:	Sungate Design Group PA, Raleigh, NC
Maximum Engineering Fee:	\$750,000.00
SPSF Utilization:	100%



## **Maintenance Operations and Fleet Management – State Maintenance Operations**

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

### **STATEWIDE**

Description of Work: 2019 Disaster Recovery Assistance LSC  
Firm: S&ME Inc, Raleigh, NC  
Maximum Engineering Fee: \$5,000,000.00  
DBE/MBE Utilization: A1 Consulting Group, Inc.  
5% / \$250,000.00

Description of Work: 2019 Disaster Recovery Assistance LSC  
Firm: Sepi Engineering & Construction Inc, Raleigh, NC  
Maximum Engineering Fee: \$5,000,000.00  
SPSF Utilization: 0%

Description of Work: 2019 Disaster Recovery Assistance LSC  
Firm: Wetherill Engineering, Inc., Raleigh, NC  
Maximum Engineering Fee: \$5,000,000.00  
DBE/WBE/SPSF Utilization: 100%

Description of Work: 2019 Disaster Recovery Assistance LSC  
Firm: EL Robinson Engineering Co, Charleston, WV  
Maximum Engineering Fee: \$5,000,000.00  
SPSF Utilization: 0%

Description of Work: 2019 Disaster Recovery Assistance LSC  
Firm: Rostan Solutions LLC, North Charleston, SC  
Maximum Engineering Fee: \$5,000,000.00  
SPSF Utilization: 0%

Description of Work: 2019 Disaster Recovery Assistance LSC  
Firm: Vaughn & Melton Consulting Engineers Inc, Asheville, NC  
Maximum Engineering Fee: \$5,000,000.00  
DBE/MBE Utilization: A1 Consulting Group, Inc.  
10% / \$500,000.00

Description of Work: 2019 Disaster Recovery Assistance LSC  
Firm: Thompson Engineering Inc, Mobile, AL  
Maximum Engineering Fee: \$5,000,000.00  
SPSF Utilization: 0%

Description of Work: 2019 Disaster Recovery Assistance LSC  
Firm: The Louis Berger Group Inc, Chicago, IL  
Maximum Engineering Fee: \$5,000,000.00  
SPSF Utilization: 0%

Description of Work: 2019 Disaster Recovery Assistance LSC  
Firm: Summit Design and Engineering Services PLLC,  
Hillsborough, NC  
Maximum Engineering Fee: \$5,000,000.00  
SPSF Utilization: Scenic Consulting Group PLLC  
10% / \$500,000.00

Description of Work: 2019 Disaster Recovery Assistance LSC  
Firm: Volkert Inc, Birmingham, AL  
Maximum Engineering Fee: \$5,000,000.00  
SPSF Utilization: 0%

Description of Work: 2019 Disaster Recovery Assistance LSC  
Firm: A. Morton Thomas & Associates Inc, Raleigh, NC  
Maximum Engineering Fee: \$5,000,000.00  
SPSF Utilization: 0%

Description of Work: 2019 Disaster Recovery Assistance LSC  
Firm: Tetra Tech Engineering PC, Denver, CO  
Maximum Engineering Fee: \$5,000,000.00  
SPSF Utilization: 0%

## Divisions

### Division 12

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

#### DIVISION 12

Project:	34192.2.3 (I-3819B) Iredell County; and 46975.3.1 (U-6039) Iredell County Statesville - I-40/I-77 Interchange; I-40 from SR 2003 (Indian Ridge Road) to SR 2158 (Old Mocksville Rd); I-77 from SR 2171 (Jane Sowers Road) to SR 2321 (E Broad St); and SR 2321 (East Broad Street) from Vine Street to SR 2422 (Signal Hill Drive) Upgrade Roadway and Implement Access Management Solutions
Scope of Work:	Construction Engineering and Inspection Services
Estimated Construction Cost:	\$203,500,000.00 (I-3819B); and \$10,700,000.00 (U-6039)
Firm:	DRMP Inc, Orlando, FL
Maximum Engineering Fee:	\$15,000,000.00
SPSF Utilization:	0%

### Division 13

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

#### DIVISION 13

Project:	36030.3.GV4 (I-4700) Buncombe County I-26 from NC 280 (Exit 40) to I-40 at Asheville
Scope of Work:	Construction Engineering and Inspection Services
Estimated Construction Cost:	\$201,000,000.00
Firm:	Rummel Klepper & Kahl LLP, Raleigh, NC
Maximum Engineering Fee:	\$22,500,000.00
SPSF Utilization:	0%

**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**

<b>Div / County</b>	<b>SR No. / Road Name</b>	<b>Description</b>	<b>Amount</b>
Div 1 Currituck	Countywide- Various SR Routes	Spot Improvements Including Stabilization Increase Funds WBS 1C.027016	\$3,248.52
Div 1 Hyde	Countywide- Various SR Routes	Spot Improvements Including Stabilization Increase Funds WBS 1C.048013	\$2,485.76
Div 1 Martin	SR 1500 Holly Springs Loop Road	Grade, Drain, Base & Pave Increase Funds WBS 1C.058064	\$21,112.75
Div 3 Brunswick	SR 1199 Cedar Landing Road	Grade, Drain, Base & Pave Establish Funds WBS 3C.010104	\$100,000.00
Div 3 Onslow	SR 2760 Blue Top Road	Grade, Drain, Base & Pave Establish Funds WBS 3C.067088	\$193,571.86
Div 4 Edgecombe	SR 1370 Wiggins Lake Drive	Grade, Drain, Base & Pave Establish Funds WBS 4C.033046	\$113,571.43
Div 4 Johnston	SR 1725 Harris Wilson Road	Grade, Drain, Base & Pave Increase Funds WBS 4C.051141	\$35,000.00
Div 4 Johnston	SR 2135 Old Creech Road	Grade, Drain, Base & Pave Increase Funds WBS 4C.051142	\$36,294.82
Div 7 Guilford	SR 2330 Simpson- Calhoun Road	Grade, Drain, Base & Pave Increase Funds WBS 7C.041192	45,000.00
Div 7 Guilford	SR 3395 Bernie Road	Grade, Drain, Base & Pave Increase Funds WBS 7C.041257	\$48,571.43
Div 7 Guilford	Countywide- Various SR Routes	Spot Improvements Including Stabilization Decrease Funds WBS 7C.041037	(\$45,000.00)
Div 7 Rockingham	Countywide- Various SR Routes	Spot Improvements Including Stabilization Increase Funds WBS 7C.079032	\$99,250.32
Div 13 Buncombe	SR 2793 Cedar Creek Road	Grade, Drain, Base & Pave Increase Funds WBS 13C.011223	\$249,673.12

Statewide	Statewide Various Routes	Preliminary Engineering and Contingencies for Statewide Paving Program Increase Funds WBS 44170	\$68,190.53
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**Item E Summary:**

<b>3</b>	<b>Projects to Establish Funds</b>	<b>\$407,143.29</b>
<b>10</b>	<b>Projects to Increase Funds</b>	<b>\$608,827.25</b>
<b>1</b>	<b>Project to Decrease Funds</b>	<b>(\$45,000.00)</b>

## NCDOT June 2019 Board of Transportation Agenda

### Additions to the State Highway System:

County	Pet. No.	Length Added (Miles)	Description	Date of Report
<b>Division 3</b>				
Onslow	51849	0.16	<b>Rockford Forest</b>	03/26/19
		0.04	Extend SR 2433, Laredo Drive Ellie Court	
<b>Division 4</b>				
Johnston	51850	0.40	<b>Crystal Creek</b>	03/18/19
		0.34	Crystal Creek Drive	
		0.11	Silver Creek Drive	
		0.10	Gold Creek Drive	
		0.24	Diamond Creek Drive	
			Nugget Creek Drive	
Johnston	51851	0.19	<b>Gardner's Grove</b>	03/20/19
		0.07	Showboat Drive	
		0.08	Lonestar Court	
			Sentinel Court	
Johnston	51852	0.17	<b>Greystone Crossing</b>	04/23/19
		0.12	Extend SR 3435, Timberland Drive	
		0.05	Extend SR 3436, Landlocked Circle	
		0.10	Bowie Court	
		0.06	Bethany Circle	
			Abilene Court	
Johnston	51853	0.29	<b>Raynor Sands</b>	04/03/19
			Raynor Sands Drive	
Johnston	51854	0.40	<b>Wellesley</b>	04/16/19
		0.04	W. Wellesley Drive	
		0.05	N. Waterloo Drive	
			S. Waterloo Drive	
Johnston	51855	0.12	<b>Whitfield at Flowers Plantation</b>	04/23/19
			Wrenwood Drive	
<b>Division 5</b>				
Franklin	51856	0.02	<b>Olde Liberty</b>	11/6/18
		0.22	Commonwealth Drive	
		0.19	Olde Liberty Circle	
			Olde Liberty Drive	

## NCDOT June 2019 Board of Transportation Agenda

### Additions to the State Highway System:

County	Pet. No.	Length Added (Miles)	Description	Date of Report
<b>Division 6</b>				
Harnett	51857	0.64 0.15 0.05	<b>Forest Ridge</b> Melody Lane Deep Woods Lane Dry Springs Court	04/15/19
<b>Division 7</b>				
Guilford	51858	0.19 0.07	<b>Northern Estates</b> Northern Estates Point Patsys Trail	02/11/19
<b>Division 7</b>				
Guilford	51859	0.22 0.13	<b>Sanfords Creek</b> Sanfords Creek Drive Sanfords Creek Court	04/08/19
Guilford	51860	0.12	<b>Strader Woods</b> Strader Court	01/10/19
Guilford	51861	0.24 0.11	<b>Wiley Park</b> Extend SR 1254, Montevista Drive Extend SR 4028, Overlea Drive	02/15/16
Rockingham	51862	0.17	<b>Rivers Edge</b> Rivers Edge Drive	05/17/19
<b>Division 10</b>				
Cabarrus	51863	0.09	Extend SR 2421, North Drive	04/09/19
Cabarrus	51864	0.15	Extend SR 1602, Jim Johnson Road	04/08/19
Mecklenburg	51865	0.71	<b>Water Leaf</b> Bales Lane	07/09/18
<b>Division 12</b>				
Iredell	51866	0.06	<b>Nautical Point</b> Nautical Point Court	10/30/18
Iredell	51867	0.12 0.27	<b>Autumn Brook</b> Bell Chase Autumn Mist	05/22/19
Lincoln	51868	0.08	<b>Forest Hills</b> Angie Drive	03/18/19

## NCDOT June 2019 Board of Transportation Agenda

### Additions to the State Highway System:

County	Pet. No.	Length Added (Miles)	Description	Date of Report
<b>Division 12 (cont.)</b>				
Lincoln	51869		<b>Norman Pointe</b>	03/22/19
		0.08	Spinaker Place	
		0.30	Norman Pointe Drive	
		0.08	Spindrift Cove	
		0.04	Stay Sail Pointe	
		0.24	Halyard Drive	
		0.18	Nautical View	
<b>Division 14</b>				
Henderson	51870	0.04	Golden Eagle Way	03/29/19



## NCDOT June 2019 Board of Transportation Agenda

### Abandonments from the State Highway System:

County	Pet. No.	Length Abandoned (Miles)	Description	Date of Report
<b>Division 7</b> Guilford	51871	0.48	All of SR 2138 Caindale Drive	11/01/18
<b>Division 9</b> Rowan	51872	0.22	Portion of SR 2182 (Unnamed I-85 Service Road), Retain 0.22 miles	05/13/19
<b>Division 10</b> Cabarrus	51873	0.14	Portion of SR 1602 Jim Johnson Road, Retain 1.73 miles	04/08/19

**Summary:**            **Number of roads petitioned for addition – 48**  
                             **Number of roads petitioned for abandonment - 3**

### Corrections:

County	Requested Correction
Caldwell	Petition 51787 approved on February 7, 2019 incorrectly listed the addition length of Zach's Farm Road as 0.41 miles. The correct length should have been 0.40 miles
Nash	Petition 51822 approved on April 4, 2019 incorrectly listed the addition length of Tanbark Drive as 0.14 miles. Correct length should have been 0.15 miles.
Onslow	Petition 51836 approved on May 2, 2019 incorrectly listed Limeston Drive as Limestone Drive.
Vance	Petition 51839 approved on May 2, 2019 incorrectly listed Huntstone Road as Huntsone Road.

**NCDOT JUNE 2019 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 1 Bertie	Town of Aulander – WBS 80062 was established (02/18) to construct curb and gutter along NC11/NC 305 in the Town of Aulander to repair drainage system and delineate access location Increase funds	High Impact / Low Cost  TOTAL	 \$10,000.00  \$10,000.00
Div 1 Hyde	Village of Ocracoke – Extension of concrete paved shoulders, associated drainage improvements, specialty markings, and long-life pavement markings along NC-12 WBS 80099	Small Construction  TOTAL	 \$142,261.17  \$142,261.17
Div 1 Northampton	Town of Woodland – WBS 80063 was established (02/18) to construct curb and gutter along US 258 and NC 35 in the town of Woodland Increase funds	High Impact / Low Cost  TOTAL	 \$38,388.64  \$38,388.64
Div 2 Beaufort	Drainage ditch stabilization located off NC-33 SE of Williamson Ln in Chocowinity  WBS 48799	Contingency  TOTAL	 \$50,000.00  \$50,000.00
Div 2 Lenoir	City of Kinston – Rebuild and stabilize stream bank, install rip rap, and replace wooden retaining walls along Massey Dr WBS 48779	Contingency  TOTAL	 \$150,000.00  \$150,000.00
Div 6 Cumberland	City of Fayetteville –Construct signalized pedestrian crossings at existing signalized intersection of US-401 (Ramsey St) at Law Rd and Par Dr; Signal inventory Number 06-0474 WBS 48776	Contingency  TOTAL	 \$96,000.00  \$96,000.00
Div 6 Harnett	Town of Angier – WBS 47744 was established (02/18) to construct a left turn lane on NC-210 at North Willow St Increase funds	Small Construction  TOTAL	 \$90,000.00  \$90,000.00

**NCDOT JUNE 2019 BOARD OF TRANSPORTATION AGENDA**  
**Funds Request**  
**Division-wide Small Construction, Statewide Contingency,**  
**Public Access, Economic Development, High Impact/Low Cost**

County	Description	Type	Amount
Div 6 Robeson	Town of Maxton – Replace crossline pipe at US-74 and 1st Street  WBS 48789	Small Construction  TOTAL	\$35,000.00  \$35,000.00
Div 7 Alamance	City of Burlington – Installation of crosswalks and pedestrian signals and update curb ramps at the intersection of US-70 (South Church St) and Edgewood Ave WBS 48798	Small Construction  TOTAL	\$150,393.42  \$150,393.42
Div 8 Chatham	Raise grade of SR 1762 (Jeremiah Dr) approximately 7 ft to reduce frequency of flooding and provide improved access to homes on Jeremiah Dr WBS 51215.01U	Small Construction  TOTAL	\$50,000.00  \$50,000.00
Div 8 Moore	Town of Southern Pines – Installation of pedestrian improvements to include concrete curb & gutter, curb ramp, pavement markings, and pedestrian signal at the intersection of SR 1309 (Morganton Rd) and SR 1931 (Brucewood Rd) WBS 2019CPT.08.15.20631	Small Construction  TOTAL	\$26,500.00  \$26,500.00
Div 8 Richmond	Town of Ellerbe – Install signage on I-73/74 and SR 1452 (Pressley Rankin Hwy) from I-73/74 to US-220 Business for the Ellerbe Rest Area located on NC-73 WBS 48781	Small Construction  TOTAL	\$35,000.11  \$35,000.11
Div 9 Davidson	Upgrade a 2,400 ft extension of SR 2994 (American Way) - Pendleton Industrial Park access road - for addition to State system  WBS 48788	Contingency  TOTAL	\$106,000.00  \$106,000.00
Div 9 Davie	Town of Mocksville – Construct 2-lane extension of Angel Knoll Dr (city) to access the new SES facility  WBS 48787	Econ Development Contingency  TOTAL	\$87,500.00 \$54,500.00  \$142,000.00

**NCDOT JUNE 2019 BOARD OF TRANSPORTATION AGENDA**  
**Funds Request**  
**Division-wide Small Construction, Statewide Contingency,**  
**Public Access, Economic Development, High Impact/Low Cost**

County	Description	Type	Amount
Div 9 Rowan	Town of Granite Quarry – WBS 47726 was established (01/18) to upgrade and extend Veronica Lane to state standards for addition to the system Increase funds	Small Construction  TOTAL	\$533.32  \$533.32
Div 10 Mecklenburg	Town of Huntersville – companion to Project Wrap  WBS 48791	Econ Development  TOTAL	\$400,000.00  \$400,000.00
Div 12 Cleveland	Upgrade pre-'75 road, Cricket Ln, to minimum state standards  WBS 48790	Contingency  TOTAL	\$334,000.00  \$334,000.00
Statewide	WBS 72.1000 was established (06/16) for paving drives from state-maintained roads to bay doors of fire and rescue facilities [N.C.G.S. 136-18(24)] Increase funds	Public Access  TOTAL	\$600,000.00  \$600,000.00
Statewide	WBS 72.2000 was established (06/16) for paving school bus drives and stabilizing bus parking areas at public schools [N.C.G.S. 136-18(17)] Increase funds	Public Access  TOTAL	\$281,362.00  \$281,362.00

**Deletions:**

Div 6, Harnett County – WBS 44218 was established (06/15) to bring Hickorydale Ln / Lucas and Tucker Ln up to minimum state standards; project length is approximately 0.50 miles; ROW unavailable

**NCDOT JUNE 2019 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>9</b>
	<b>Number of Projects</b>	<b>19</b>
<b>Small Construction Commitment</b>		<b>\$529,688.02</b>
<b>Public Access Commitment</b>		<b>\$881,362.00</b>
<b>Contingency Commitment</b>		<b>\$790,500.00</b>
<b>Economic Development Commitment</b>		<b>\$487,500.00</b>
<b>High Impact/Low Cost Commitment</b>		<b>\$48,388.64</b>
<b>TOTAL:</b>		<b>\$2,737,438.66</b>

# NCDOT June 2019 Board of Transportation Agenda

## Public Transportation Program

Highway Division #	5307 Capital - Informational Amendment	Estimated Project Cost
		<b>Capital</b>
		\$2,424 Total
10	<b>19-LU-089 Union County Amendment</b> to move combined funds from operating to capital for safety and security equipment. (1000006618)	\$1,939 Federal
		\$0 State
		\$485 Local
		<b>Operating</b>
10	<b>18-LU-089 Union County Amendment</b> to move combined funds from operating to capital for safety and security equipment. <b>Deduct from Original Grant in EBS (1000005698).</b>	(\$3,878) Total
		(\$1,939) Federal
		\$0 State
		(\$1,939) Local
	<b>State Safety Operations</b>	
	<b>SSO FY20</b> Under the FAST Act, 5329(e) - States may receive Federal funding, for a previously unfunded mandate, to develop and implement an enhanced State Safety Oversight (SSO) program. Eligible States have a rail fixed guideway public transportation system already in operation, or in engineering or construction, which is not subject to regulation by the Federal Railroad Administration (FRA). North Carolina was apportioned the following funds for FFY18 \$345,504. These funds require a 20% state fund match, \$86,376. NCDOT will use the funding to implement the SSO initiative for Charlotte light rail system.	<b>Operating</b>
Statewide		\$431,880 Total
		\$345,504 Federal
		\$86,376 State
		\$0 Local

**Item I - 1: Total Projects 2: Total State / Federal funds \$ 431,880**

# NCDOT Board of Transportation Agenda

## Public Transportation Program

### June 2019 STIP Amendment

TG-4759 GUILFORD DIV	GREENSBORO TRANSIT AUTHORITY	PREVENTIVE MAINTENANCE	CAPITAL	FY 2018-	\$2,621	(FUZ)
				FY 2018-	\$656	(L)
				FY 2019-	\$2,576	(FUZ)
				FY 2019-	\$644	(L)
				FY 2020-	\$644	(L)
				FY 2020-	\$2,576	(FUZ)
				FY 2021-	\$644	(L)
				FY 2021-	\$2,576	(FUZ)
				FY 2022-	\$2,576	(FUZ)
				FY 2022-	\$644	(L)
				FY 2023-	\$2,576	(FUZ)
				FY 2023-	\$644	(L)
				FY 2024-	\$2,576	(FUZ)
				FY 2024-	\$644	(L)
				FY 2025-	\$644	(L)
				FY 2025-	\$2,576	(FUZ)
				FY 2026-	\$2,576	(FUZ)
				FY 2026-	\$644	(L)
				FY 2027-	\$644	(L)
				FY 2027-	\$2,576	(FUZ)
					\$32,257	
TG-5105 GUILFORD HF	GREENSBORO TRANSIT AUTHORITY	ROUTINE CAPITAL	CAPITAL	FY 2018-	\$20	(L)
				FY 2018-	\$80	(FUZ)
				FY 2019-	\$80	(FUZ)
				FY 2019-	\$20	(L)
				FY 2020-	\$80	(FUZ)
				FY 2020-	\$20	(L)
				FY 2021-	\$80	(FUZ)
				FY 2021-	\$20	(L)
				FY 2022-	\$80	(FUZ)
				FY 2022-	\$20	(L)
				FY 2023-	\$20	(L)
				FY 2023-	\$80	(FUZ)
				FY 2024-	\$80	(FUZ)
				FY 2024-	\$20	(L)
				FY 2025-	\$20	(L)
				FY 2025-	\$80	(FUZ)
				FY 2026-	\$80	(FUZ)
				FY 2026-	\$20	(L)
				FY 2027-	\$20	(L)
				FY 2027-	\$80	(FUZ)

**REDUCING FUNDS IN FY 19-27 AT THE REQUEST OF THE GREENSBORO URBAN AREA MPO**

**FUNDING ADDED TO FY 19-27 AT THE REQUEST OF GREENSBORO AREA MPO.**

# NCDOT Board of Transportation Agenda

## Public Transportation Program

### June 2019 STIP Amendment

TQ-6783	GREENSBORO TRANSIT	SECTION 5310 CAPITAL PROJECT	CAPITAL	FY 2018-	\$44	(L)
GUILFORD	AUTHORITY			FY 2018-	\$175	(FEPD)
HF				FY 2019-	\$181	(FEPD)
				FY 2019-	\$46	(L)
				FY 2020-	\$181	(FEPD)
				FY 2020-	\$46	(L)
				FY 2021-	\$181	(FEPD)
				FY 2021-	\$46	(L)
				FY 2022-	\$46	(L)
				FY 2022-	\$181	(FEPD)
				FY 2023-	\$46	(L)
				FY 2023-	\$181	(FEPD)
				FY 2024-	\$181	(FEPD)
				FY 2024-	\$46	(L)
				FY 2025-	\$181	(FEPD)
				FY 2025-	\$46	(L)
				FY 2026-	\$46	(L)
				FY 2026-	\$181	(FEPD)
				FY 2027-	\$181	(FEPD)
				FY 2027-	\$46	(L)
					\$2,262	
		<u>FUNDING ADDED TO FY 19-27 AT THE REQUEST OF THE GREENSBORO URBAN AREA MPO.</u>				
TA-6689	GUILFORD COUNTY	REPLACEMENT VEHICLES	CAPITAL	FY 2018-	\$12	(L)
GUILFORD	TRANSPORTATION (TAMS)			FY 2018-	\$46	(FBUS)
HF				FY 2019-	\$41	(FBUS)
				FY 2019-	\$8	(L)
				FY 2020-	\$41	(FBUS)
				FY 2020-	\$8	(L)
				FY 2021-	\$41	(FBUS)
				FY 2021-	\$8	(L)
				FY 2022-	\$8	(L)
				FY 2022-	\$41	(FBUS)
				FY 2023-	\$8	(L)
				FY 2023-	\$41	(FBUS)
				FY 2024-	\$41	(FBUS)
				FY 2024-	\$8	(L)
				FY 2025-	\$41	(FBUS)
				FY 2025-	\$8	(L)
				FY 2026-	\$8	(L)
				FY 2026-	\$41	(FBUS)
				FY 2027-	\$41	(FBUS)
				FY 2027-	\$8	(L)
		<u>REDUCING FUNDS IN FY 19-27 AT THE REQUEST OF THE GREENSBORO URBAN AREA MPO</u>				



# NCDOT Board of Transportation Agenda

## Public Transportation Program

### June 2019 STIP Amendment

TA-6690                      PIEDMONT AUTHORITY      REPLACEMENT VEHICLES  
GUILFORD                    FOR REGIONAL TRANS.  
HF

**FUNDING ADDED TO 2019 AT THE REQUEST OF  
GREENSBORO AREA MPO and decreased in 2020-2027.**

CAPITAL	FY 2018-	\$11	(L)
	FY 2018-	\$43	(FBUS)
	FY 2019-	\$50	(FBUS)
	FY 2019-	\$9	(L)
	FY 2020-	\$38	(FBUS)
	FY 2020-	\$7	(L)
	FY 2021-	\$38	(FBUS)
	FY 2021-	\$7	(L)
	FY 2022-	\$38	(FBUS)
	FY 2022-	\$7	(L)
	FY 2023-	\$38	(FBUS)
	FY 2023-	\$7	(L)
	FY 2024-	\$38	(FBUS)
	FY 2024-	\$7	(L)
	FY 2025-	\$38	(FBUS)
	FY 2025-	\$7	(L)
	FY 2026-	\$7	(L)
	FY 2026-	\$38	(FBUS)
	FY 2027-	\$7	(L)
	FY 2027-	\$38	(FBUS)
		<u>\$473</u>	

TG-6185                      PIEDMONT AUTHORITY      ROUTINE CAPITAL  
GUILFORD                    FOR REGIONAL TRANS.  
HF

**FUNDING REDUCED TO FY 19-27 AT THE REQUEST OF  
GREENSBORO MPO.**

CAPITAL	FY 2018-	\$25	(L)
	FY 2018-	\$100	(FUZ)
	FY 2019-	\$74	(FUZ)
	FY 2019-	\$19	(L)
	FY 2020-	\$74	(FUZ)
	FY 2020-	\$19	(L)
	FY 2021-	\$74	(FUZ)
	FY 2021-	\$19	(L)
	FY 2022-	\$19	(L)
	FY 2022-	\$74	(FUZ)
	FY 2023-	\$19	(L)
	FY 2023-	\$74	(FUZ)
	FY 2024-	\$74	(FUZ)
	FY 2024-	\$19	(L)
	FY 2025-	\$74	(FUZ)
	FY 2025-	\$19	(L)
	FY 2026-	\$74	(FUZ)
	FY 2026-	\$19	(L)
	FY 2027-	\$19	(L)
	FY 2027-	\$74	(FUZ)
		<u>\$962</u>	

# NCDOT Board of Transportation Agenda

## Public Transportation Program

### June 2019 STIP Amendment

#### DELETION to the Transit 2018-2027 STIP

TD-4279	GREENSBORO TRANSIT	Renovation of J Douglas Galyon	CONSTRUCTION	FY 2019-	\$960	(FBUS)
GUILFORD	AUTHORITY	Depot		FY 2019-	\$142	(T)
HF				FY 2019-	\$142	(L)
<u>DELETING PROJECT AND USING NUMBER TD-5279 DUE TO DUPLICATION.</u>					\$1,244	
TG-5185	GREENSBORO TRANSIT	ROUTINE CAPITAL		FY 2018-	\$20	(L)
GUILFORD	AUTHORITY			FY 2019-	\$20	(L)
HF				FY 2020-	\$20	(L)
<u>DELETING DUE TO DUPLICATE PROJECT WITH TG-5105 AT THE REQUEST OF THE GREENSBORO URBAN AREA MPO.</u>				FY 2021-	\$20	(L)
				FY 2022-	\$20	(L)
				FY 2023-	\$20	(L)
				FY 2024-	\$20	(L)
				FY 2025-	\$20	(L)
				FY 2026-	\$20	(L)
				FY 2027-	\$20	(L)
				CAPITAL	FY 2018-	\$80 (FUZ)
					FY 2019-	\$80 (FUZ)
					FY 2020-	\$80 (FUZ)
					FY 2021-	\$80 (FUZ)
					FY 2022-	\$80 (FUZ)
					FY 2023-	\$80 (FUZ)
					FY 2024-	\$80 (FUZ)
					FY 2025-	\$80 (FUZ)
					FY 2026-	\$80 (FUZ)
					FY 2027-	\$80 (FUZ)
					\$1,000	

#### ITEM I-1A SUMMARY

	NUMBER OF				
	<u>PROJECTS</u>	<u>FEDERAL</u>	<u>STATE</u>	<u>LOCAL</u>	<u>TOTALS</u>
DELETION S	2	-1760	-142	-342	<b>(\$2,244)</b>
MODIFICATION S	6	29987		7466	<b>\$37,453</b>
	8				<b>\$35,209</b>

## NCDOT June 2019 Board of Transportation Agenda

### Rail Program

Town/County Division	Project Description	Estimated Cost
Statewide 80000.1.2.1	The Rail Division requests additional Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for Track & Infrastructure Management in the FRRCSI Program. This program management includes administration and engineering for track improvements. An additional \$303,172 in funding is needed to support these efforts. The total estimated cost to the Department is \$921,974. FRRCSI ID: F19199	\$425,000
Statewide 80000.3.2.1	The Rail Division requests additional Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for Grant & Agreement Management in the FRRCSI Program. This program management includes administration, agreement development, and inspections for track and rail access improvements. An additional \$400,000 in funding is needed to support these efforts. The total estimated cost to the Department is \$1,200,000. FRRCSI ID: F19399	\$400,000
Division 3 Sampson County 80000.2.3.74	The Rail Division requests board approval of additional Freight Rail & Rail Crossing Safety Improvement (FRRCSI) funds for the improvement of five at-grade crossings by installing a rail seal surface to replace the existing surface on the Clinton Terminal Railroad (CTR). The crossings to be improved are crossing number 629 029P, MP 202.25 (SR 1275 - West Morisey Boulevard), crossing number 628 850D, MP 200.20, (SR 1921 -Clive Jacobs Road), crossing number 629 027B, MP 202.14, (SR 1231 - Lisbon Street), crossing number 629 017V, MP 201.13 (SR 1931 - Fontana Street), crossing number 628 854F, MP 199.64 (SR 1922 - Rackley Road). The funds are needed for additional crossing surface work at SR 1931 – Fontana Street. CTR will provide the necessary labor to install the materials. The Highway Division will provide the asphalt and traffic control. The total estimated cost to the Department is \$207,400. FRRCSI ID: F18235	\$25,000

**ITEM I - 2 SUMMARY – 3 PROJECTS - (TOTAL STATE) \$850,000**

## NCDOT June 2019 Board of Transportation Agenda

### Division of Bicycle and Pedestrian Transportation Program

Town/County Division	Project Description	Estimated Cost
Statewide	M-0482F / WBS 50145.1.1 STIC Incentive Program – Peer Exchange to Improve Multi-Modal Transportation Planning Description: Using a peer learning model, NCDOT staff will engage a group of state DOTs to identify innovative transportation planning techniques that can be applied in North Carolina to advance the state of multi-modal transportation planning practice and aid the Department and planning partners in identifying the most important projects across all modes for prioritization. Funds awarded by the STIC Committee.	\$9,000 State \$36,000 Federal
Statewide	STIC Incentive Program – Tactical Library Description: This program will launch a tactical materials library and deployment selection tool for temporary bicycle and pedestrian countermeasures related to FHWA's Safe Transportation for Every Pedestrian (STEP) program. Subject to approval of a competitive request for FHWA innovation funding.	\$20,000 State \$80,000 Federal
Statewide	Multi-Modal Planning Guidance Description: This effort will implement the findings of the peer exchange. Funds will be used to develop principles, standard practices and guidelines for the development of multi-modal planning program.	\$40,000 State
Statewide	Design/Technical Assistance Description: Funds will be used to secure on-call technical assistance for the review of projects identified in plans for project delivery.	\$20,000 State
Statewide	State Bike Route Planning Description: Update of North Carolina's Bike Route System. This involves the analysis and review of the existing route system to identify new connections and a process for updating the network.	\$40,000 State

**ITEM I - 3 SUMMARY – 5 PROJECTS – (TOTAL STATE AND FEDERAL) \$245,000**

## NCDOT June 2019 Board of Transportation Agenda

### Aviation Program

#### Division Airport County

#### Project Description

Division 2 Michael J Smith Field Carteret County	<b>Taxiway and Apron Pavement Rehabilitation (Construction – 36244.47.7.1)</b> This is a request for additional \$534,398 in State Aid funds due to higher than anticipated bids to rehabilitate the pavement on taxiway A and the apron area. [PR# 4163]
Division 3 Duplin County Airport Duplin County	<b>T-Hangar Area Expansion – Phase I WBS Change - (36237.13.15.2)</b> This is a request for a correction of the WBS from 36237.13.15.2 assigned at the May BOT to <b>36244.20.13.2</b> to reflect correct funding source. [PR# 2461]
Division 11 Wilkes County Airport Wilkes County	<b>Parallel Taxiway Pavement Rehabilitation (36237.49.18.3)</b> This project will rehab existing parallel taxiway pavement, remove direct access and add new fillets and tapers required by new guidance. Also requires relocation of existing lights in the fillet areas. This request is to add \$2,718,000 in Federal Apportionment funds to support higher than anticipated bids for construction. This new federal WBS number has been created and the State WBS (36244.67.5.1) will be closed. [PR# 3055]
Division 11 Elkin Municipal Airport Surry County	<b>Apron Expansion &amp; Partial Parallel Taxiway (Design &amp; Bid) (36244.68.4.1)</b> This request is for \$200,000 in additional funding to the original award for the apron expansion to include design and bid services to include design for a partial parallel taxiway to address direct access issues and include land acquisition services necessary to construct project. This is a State Aid to Airports project with the local match provided via the Local Safety Enhancement Program. [PR# 4183]

### ITEM I-4 SUMMARY – 4 PROJECTS – (TOTAL STATE and FEDERAL COST) \$3,452,398

\*Project selection and approval for award. Costs are estimated. Only eligible costs within the project scope of work will be reimbursed.

**NCDOT June 2019 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-2500 REGIONAL	WBS 32635.1.7 Replace Bridge 11 over the Oregon Inlet on NC 12. \$300,000.00 has previously been approved for attorney staff legal fees. Funds need to be decreased (\$299,956.96). Project is complete. WBS will be closed.	-\$299,956.96
Hertford Co. Div. 1 R-2583 STATEWIDE	WBS 35489.3.1 US 158 from the Murfreesboro Bypass to US 13 west of Winton. \$37,741,655.00 has previously been approved for construction. Funds need to be decreased (\$627,478.63). Project is complete. WBS will be closed. <b>This project has previously been identified as a Trust Fund Intrastate System project.</b>	-\$627,478.63
Hertford Co. Div. 1 R-2583 STATEWIDE	WBS 35489.2.1 US 158 from the Murfreesboro Bypass to US 13 west of Winton. \$12,100,000.00 has previously been approved for right of way and utilities. Funds need to be decreased (\$2,858,535.73). Project is complete. WBS will be closed. <b>This project has previously been identified as a Trust Fund Intrastate System project.</b>	-\$2,858,535.73
Northampton Co. Div. 1 R-2582A DIVISION	WBS 34472.3.2 US 158/NC 46 from I-95 / NC 46 in Roanoke Rapids to SR 1312 (St. John Church Road) in Northampton County. Initial funds are requested for construction based on the estimate from the 12-month Tentative Letting List published April 9, 2019. This is a <b>BUILD NC BOND</b> project with a principal amount of \$19,000,000.00. Bond repayment requires \$1,630,000.00 of State Highway Trust funds in SFY 19 through SFY 33. <b>This project also has \$46,400,000.00 in additional State Highway Trust Funds which is cash-flowed with \$2,320,250.00 in SFY 19 and \$14,693,250.00 in SFY 20 through SFY 22.</b>	\$70,850,000.00
Pitt Co. Div. 2 B-5612 REGIONAL	WBS 45567.2.1 Replace Bridge #24 over the Tar River on NC 222. Initial funds are requested for full right of way and utilities. This is a Cash Flow project with \$50,000.00 in SFY 19 and \$950,000.00 in SFY 20.	\$1,000,000.00

**NCDOT June 2019 Board of Transportation Agenda  
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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Pitt Co. Div. 2 U-5917 DIVISION	WBS 44679.2.1 SR 1704 (Fourteenth Street) from Red Banks Road to SR 1708 (Firetower Road). Initial funds are requested for full right of way and utilities. This is a <b>BUILD NC BOND</b> project with a principal amount of \$2,000,000.00. Bond repayment requires \$172,000.00 of State Highway Trust Funds in SFY 19 through SFY 33. <b>This project also has \$1,315,000.00 in additional State Highway Trust Funds in SFY 19.</b>	\$3,895,000.00
Brunswick Co. Div. 3 U-5788 DIVISION	WBS 44360.2.1 US 17 Business (Main Street) at Wall Street / Shallote Avenue. Initial funds are requested for full right of way and utilities.	\$245,000.00
New Hanover Co. Div. 3 U-4434 DIVISION	WBS 37764.1.2 Independence Boulevard extension from Randall Parkway to Martin Luther King Jr. Parkway. Initial funds are requested for advanced property / utility relocation studies.	\$25,000.00
Edgecombe Co. Div. 4 B-4933 REGIONAL	WBS 40136.2.1 Replace Bridge #80 and Bridge #49 Overflow over the Tar River on NC 33. Initial funds are requested for full right of way and utilities. <b>This is a Cash Flow project with \$60,000.00 in SFY 19 and \$800,000.00 in SFY 20.</b>	\$860,000.00
Wake Co. Div. 5 P-5602ED STATEWIDE	WBS 46393.1.32 Mallinckrodt curves and siding project CSX S-Line between milepost S-146.4 and S-147.6. Initial funds are requested for preliminary engineering.	\$145,000.00

**NCDOT June 2019 Board of Transportation Agenda  
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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Wake Co. Div. 5 P-5602EE STATEWIDE	WBS 46393.1.33 Dual mode locomotive feasibility study. Initial funds are requested for preliminary engineering.	\$100,000.00
Cumberland Co. Div. 6 X-0002B(L) STATEWIDE	WBS 35196.3.25 Fayetteville Outer Loop from west of NC 24 (Bragg Boulevard) to east of NC 210 / NC 87 (Murchison Road). Initial funds are requested for landscaping. <b>This is a Cash flow project with \$25,000.00 in SFY 19 and \$300,000.00 in SFY 20.</b>	\$325,000.00
Robeson Co. Div. 6 P-4900A(L) STATEWIDE	WBS 41099.3.6 Railroad bypass of Pembroke to allow north to south shipments to turn east. Initial funds are requested for landscaping.	\$60,000.00
Robeson Co. Div. 6 R-5751 REGIONAL	WBS 53087.2.1 US 74 at NC 72 / NC 130, upgrade at-grade intersection to interchange. Initial funds are requested for advanced acquisition of Specific Parcel 900 (Property of Vernie Locklear) for \$125,000.00.	\$125,000.00
Guilford Co. Div. 7 TA-6679 REGIONAL	WBS 47592.5.1 Purchase one expansion 40 foot bus. Initial funds are requested for preliminary engineering.	\$45,000.00



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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Guilford Co. Div. 7 U-5841 DIVISION	WBS 50232.2.1 Friendly Avenue from west of Green Valley Road to Lindell Road in Greensboro. Initial funds are requested for full right of way and utilities. <b>This is a Cash Flow project with \$50,000.00 in SFY 19 and \$300,000.00 in SFY 20.</b>	\$350,000.00
Guilford Co. Div. 7 U-6019 DIVISION	WBS 47164.2.1 SR 2334 (Air Harbor Road) at SR 2347 (Lake Brandt Road). Initial funds are requested for full right of way and utilities.	\$75,000.00
Hoke Co. Div. 8 B-5755 DIVISION	WBS 45711.2.2 Replace Bridge #57 over Puppy Creek on SR 1406 (Rockfish Road). \$5,000.00 has previously been approved for utilities. Funds need to be decreased (\$4,920.81). Project is complete. WBS will be closed.	-\$4,920.81
Randolph Co. Div. 8 U-5308 DIVISION	WBS 47028.2.2 SR 1547 (Finch Farm Road) from south of SR 3106 (Kennedy Road) to I-85. Initial funds are requested for full right of way and utilities. This is a <b>BUILD NC BOND</b> project with a principal amount of \$5,000,000.00. Bond repayment requires \$429,000.00 of State Highway Trust Funds in SFY 19 through SFY 33. <b>This project also has \$7,262,000.00 in additional State Highway Trust Funds which is cash flowed \$726,200.00 in SFY 19 and \$6,535,800.00 in SFY 20.</b>	\$13,697,000.00
Randolph Co. Div. 8 U-5743 REGIONAL	WBS 50165.2.2 NC 42 / SR 2194 (Dublin Square Road) from SR 2237 (East Salisbury Street) to north of US 64 / NC 49 (Dixie Drive) in Asheboro. Initial funds are requested for utilities. <b>This is a Cash Flow project with \$65,000.00 in SFY 19 and \$750,000.00 in SFY 20.</b>	\$815,000.00

**NCDOT June 2019 Board of Transportation Agenda  
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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Randolph Co. Div. 8 U-5743 REGIONAL	WBS 50165.2.1 NC 42 / SR 2194 (Dublin Square Road) from SR 2237 (East Salisbury Street) to north of US 64 / NC 49 (Dixie Drive) in Asheboro. Initial funds are requested for full right of way. <b>This is a Cash Flow project with \$63,000.00 in SFY 19 and \$1,188,000.00 in SFY 20.</b>	\$1,251,000.00
Davidson Co. Div. 9 AV-5749 DIVISION	WBS 46343.3.1 Davidson County Airport (EXX). Install 6 medium intensity runway approach lighting systems with runway alignment indicator lights across I-85, including interchange lighting. Initial funds are requested for construction. <b>This is a Cash Flow project with \$250,000.00 in SFY 19 and \$4,750,000.00 in SFY 20.</b>	\$5,000,000.00
Davidson Co. Div. 9 P-5731 DIVISION	WBS 47610.1.1 East 7th Avenue. \$10,000.00 has previously been approved for preliminary engineering. Additional funds are requested. <b>This is a Cash Flow project with \$40,000.00 in SFY 19 and \$1,200,000.00 in SFY 20.</b>	\$1,240,000.00
Forsyth Co. Div. 9 I-5795 STATEWIDE	WBS 53034.1.2 I-40 from 0.3 mile east of SR 3153 (Hanes Mall Boulevard) to 0.9 mile east of NC 150 (Peters Creek Parkway) in Winston Salem and SR 2747 (Clemmons Road) in Winston Salem to Guilford County Line. Initial funds are requested for preliminary engineering.	\$100,000.00
Rowan Co. Div. 9 P-5723 REGIONAL	WBS 46935.1.1 Norfolk Southern Railroad, vicinity of 22ND Street in Kannapolis. Construct grade separation and close crossings 724399C and 724398V. \$1,169,500.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$1,167,969.53). Project is no longer viable. WBS will be closed.	-\$1,167,969.53

**NCDOT June 2019 Board of Transportation Agenda  
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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Cabarrus Co. Div. 10 R-2533CC(L) REGIONAL	WBS 34448.3.11 NC 49 from east of SR 2630 (Cline Road) to east of NC 73. Initial funds are requested for landscaping. <b>This is a Cash Flow project with \$43,000.00 in SFY 19 and \$400,000.00 in SFY 20.</b>	\$443,000.00
Caldwell Co. Div. 11 U-6033 DIVISION	WBS 46967.2.1 US 64 (NC 18) and SR 1142 (Callico Road). Initial funds are requested for full right of way and utilities. <b>This is a Cash Flow project with \$72,000.00 in SFY 19 and \$400,000.00 in SFY 20.</b>	\$472,000.00
Caldwell Co. Div. 11 U-6035 DIVISION	WBS 46970.2.1 SR 1002 (Dudley Shoals Road) and SR 1751 (Grace Chapel Road / Campground Road) / SR 1752 (Peach Orchard Road). Initial funds are requested for full right of way and utilities. <b>This is a Cash Flow project with \$50,000.00 in SFY 19 and \$200,000.00 in SFY 20.</b>	\$250,000.00
Caldwell Co. Div. 11 U-6036 DIVISION	WBS 46971.2.1 SR 1109 (Pinewood Road) from US 321 to SR 1931 (Bert Huffman Road). Initial funds are requested for full right of way and utilities. <b>This is a Cash Flow project with \$250,000.00 in SFY 19 and \$1,500,000.00 in SFY 20.</b>	\$1,750,000.00
Watauga/ Avery Cos. Div. 11 R-2566BA DIVISION	WBS 37512.2.3 NC 105 - Construct new bridge over Watauga River and left-turn lane at SR 1112 (Broadstone Road) - within the limits of R-2566B. \$100,000.00 has previously been approved for full right of way and utilities. Additional funds are requested for relocation of Blue Ridge Electric Membership Corporation facilities. <b>This is a Cash Flow project with \$150,000.00 in SFY 19 and \$2,850,000.00 in SFY 20.</b>	\$3,000,000.00

**NCDOT June 2019 Board of Transportation Agenda  
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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Wilkes Co. Div. 11 R-5755 REGIONAL	WBS 46418.1.1 Construct roundabout at intersection of US 421/SR 1001 (Oakwoods Road) /SR 2461 (Edgewood Road). \$100,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$50,705.53). Project is complete. WBS will be closed.	-\$50,705.53
Wilkes Co. Div. 11 R-5759 DIVISION	WBS 44691.2.1 NC 115 from US 421 to 2nd Street. Initial funds are requested for full right of way. This is a <b>BUILD NC BOND</b> project with a principal amount of \$6,000,000.00. Bond repayment requires \$515,000.00 of State Highway Trust funds in SFY 19 through SFY 33. <b>This project also has \$1,500,000.00 in additional State Highway Trust Funds in SFY 19.</b>	\$9,225,000.00
Yadkin Co. Div. 11 R-5730 DIVISION	WBS 50222.3.1 SR 1605 (Old US 421) from SR 1146 (Shacktown Road) to SR 1711 (Speer Bridge Road). Initial funds are requested for construction. <b>This is a Cash Flow project with \$100,000.00 in SFY 19 and \$2,050,000.00 in SFY 20.</b>	\$2,150,000.00
Alexander Co. Div. 12 R-5762 DIVISION	WBS 44644.3.1 Intersection of NC 16 and SR 1609 (County Home Road). Initial funds are requested for construction. <b>This is a Cash Flow project with \$35,000.00 in SFY 19 and \$400,000.00 in SFY 20.</b>	\$435,000.00
Catawba Co. Div. 12 U-5777 REGIONAL	WBS 50189.2.1 NC 127 from 1st Avenue southeast to 2nd Avenue southeast. Initial funds are requested for full right of way and utilities. <b>This is a Cash Flow project with \$150,000.00 in SFY 19 and \$2,150,000.00 in SFY 20.</b>	\$2,300,000.00

**NCDOT June 2019 Board of Transportation Agenda  
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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Gaston Co. Div. 12 I-5713 STATEWIDE	WBS 50132.3.1 I-85 at SR 2200 (Cox Road) interchange. \$640,000.00 has previously been approved for construction. Funds need to be decreased (\$638,368.00). Project is deleted. WBS will be closed.	-\$638,368.00
Gaston Co. Div. 12 U-6038 DIVISION	WBS 46974.3.1 US 74 (Wilkinson Boulevard) from NC 7 (Catawba Street) to SR 2209 (Wesleyan Drive). Initial funds are requested for construction based on the estimate from the 12-month Tentative Letting List published April 9, 2019. <b>This is a Cash Flow project with \$75,000.00 in SFY 19 and \$600,000.00 in SFY 20.</b>	\$675,000.00
Iredell Co. Div. 12 R-5100B DIVISION	WBS 41890.2.5 SR 1109 (Williamson Road) from SR 1100 (Brawley School Road) to NC 150. Initial funds are requested for utilities. <b>This is a Cash Flow project with \$75,000.00 in SFY 19 and \$1,425,000.00 in SFY 20.</b>	\$1,500,000.00
Iredell Co. Div. 12 R-5100B DIVISION	WBS 41890.2.4 SR 1109 (Williamson Road) from SR 1100 (Brawley School Road) to NC 150. Initial funds are requested for full right of way. This is a <b>BUILD NC BOND</b> project with a principal amount of \$2,000,000.00. Bond repayment requires \$172,000.00 of State Highway Trust Funds in SFY 19 through SFY 33. <b>This project also has \$1,000,000.00 in additional State Highway Trust Funds which is cash flowed \$50,000.00 in SFY 19 and \$950,000.00 in SFY 20.</b>	\$3,580,000.00
Iredell Co. Div. 12 U-5780 REGIONAL	WBS 50191.2.1 NC 150 and SR 2399 (Wiggins Road) intersection. Initial funds are requested for full right of way and utilities. <b>This is a Cash Flow project with \$55,000.00 in SFY 19 and \$550,000.00 in SFY 20.</b>	\$605,000.00

**NCDOT June 2019 Board of Transportation Agenda  
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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Iredell Co. Div. 12 U-5799 REGIONAL	WBS 44371.2.1 US 21 from SR 1933 to Fort Dobbs Road. Initial funds are requested for full right of way and utilities. This is a <b>BUILD NC BOND</b> project with a principal amount of \$2,000,000.00. Bond repayment requires \$172,000.00 of State Highway Trust funds in SFY 19 through SFY 33. <b>This project also has \$1,200,000.00 in additional State Highway Trust Funds which is cash-flowed with \$600,000.00 in SFY 19 and \$600,000.00 in SFY 20.</b>	\$3,780,000.00
Buncombe Co. Div. 13 AV-5882 STATEWIDE	WBS 48140.1.1 Asheville Regional Airport. Initial funds are requested for preliminary engineering. <b>This is a Cash Flow project with \$50,000.00 in SFY 19 and \$500,000.00 in SFY 20.</b>	\$550,000.00
McDowell Co. Div. 13 U-5818 DIVISION	WBS 44390.3.1 SR 1001 (Sugar Hill Road) from I-40 westbound ramps to 0.3 mile west of I-40 eastbound ramps. Initial funds are requested for construction. This is a <b>BUILD NC BOND</b> project with a principal amount of \$7,000,000.00. Bond repayment requires \$601,000.00 of State Highway Trust Funds in SFY 19 through SFY 33. <b>This project also has \$1,100,000.00 in additional State Highway Trust Funds which is cash flowed with \$100,000.00 in SFY 19 and \$1,000,000.00 in SFY 20.</b>	\$10,115,000.00
Cherokee Co. Div. 14 R-5527A DIVISION	WBS 44097.3.D3 Construct bridge across the Valley River to serve new access road off US 19/74/129 near Murphy. \$4,098,717.00 has previously been approved for construction. Funds need to be decreased (\$80,338.79) Project is complete. WBS will be closed.	-\$80,338.79
Cherokee Co. Div. 14 R-5527B DIVISION	WBS 44097.3.D4 New route from the US 74/19/129, SR 1366 intersection, east to the Eastern Band Cherokee Indians tribal boundary in Cherokee County. \$8,871,016.00 has previously been approved for construction. Funds need to be decreased (\$28,605.91). Project is complete. WBS will be closed.	-\$28,605.91

**NCDOT June 2019 Board of Transportation Agenda  
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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Cherokee Co. Div. 14 R-5861 DIVISION	WBS 47427.2.1 US 19 / 129 Cherokee County from Georgia State Line to US 64. Initial funds are requested for full right of way and utilities. <b>This is a Cash Flow project with \$125,000.00 in SFY 19 and \$2,375,000.00 in SFY 20.</b>	\$2,500,000.00
Haywood/ Jackson Cos. Div. 14 R-5747 DIVISION	WBS 50202.1.D1 US 19 from SR 1304 (Fie Top Road) at Ghost Town USA to Jenkins Creek. \$1,305,000.00 has previously been approved for preliminary engineering. Funds need to be decreased (\$990,204.81). Project is complete. WBS will be closed.	-\$990,204.81
Henderson Co. Div. 14 R-5207B DIVISION	WBS 45393.3.3 SR 1006 (Howard Gap Road) from bridge 20 (B-3662) to SR 1539 (Jackson Road). \$11,600,614.00 has previously been approved for construction. Funds need to be decreased (\$80,758.28). Project is complete. WBS will be closed. <b>This project has previously been identified as a Trust Funds Specific State Funds for Construction project.</b>	-\$80,758.28
Hendersonville Henderson Co. Div. 14 U-4428 REGIONAL	WBS 35025.3.1 US 64 (6th Avenue) from SR 1180 (Blythe Street) to Buncombe Street. \$6,226,695.00 has previously been approved for right of way and utilities. Funds need to be decreased (\$399,808.62). Project is complete. WBS will be closed. <b>This project has previously been identified as a Trust Funds Specific State Funds for Construction project.</b>	-\$399,808.62
Henderson Co. Div. 14 U-5887 DIVISION	WBS 44634.2.1 SR 1783 (Highland Lake Road) from NC 225 to US 176. Initial funds are requested for full right of way and utilities.	\$100,000.00

**NCDOT June 2019 Board of Transportation Agenda  
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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Macon Co. Div. 14 R-5115 REGIONAL	WBS 42365.3.R1 US 64/NC 28 from US 23 / 441 in Franklin to NC 106 in Highlands. Construct truck information stations and truck turn-arounds. \$825,000.00 has previously been approved for construction. Funds need to be decreased (\$58,094.30). Project is complete. WBS will be closed.	-\$58,094.30
STATEWIDE STRATEGIC TRANSPORTATION INVESTMENTS	9 PROJECTS	-\$2,844,382.36
REGIONAL STRATEGIC TRANSPORTATION INVESTMENTS	15 PROJECTS	\$9,247,465.06
DIVISION STRATEGIC TRANSPORTATION INVESTMENTS	27 PROJECTS	\$129,944,171.40
<b>STRATEGIC TRANSPORTATION INVESTMENTS</b>	<b>51 PROJECTS</b>	<b>\$136,347,254.10</b>



**NCDOT June 2019 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>
Martin Co. Div. 1 SS-4901BH	WBS 47919.3.1 US 17 between SR 1119 (Ralph Taylor Road) and Hampton Court. \$328,500.00 in Spot Safety construction funds has previously been approved for construction of mainline left-overs and a U-turn bulbout. Additional funds are needed due to an increase in construction costs. File 01-18-50895-1	\$36,500.00
Carteret Co. Div. 2 SS-4902DH	WBS 48742.3.1 SR 1124 (Nine Mile Road/Nine Foot Road) between NC 24 and US 70. Initial Spot Safety construction funds are needed for warning sign revisions. File 02-18-54444C	\$24,000.00
New Bern/ Craven Co. Div. 2 SS-4902DE	WBS 48739.3.1 NC 55 (Neuse Boulevard) at SR 1309/SR 1402 (Glenburnie Road). Initial Spot Safety construction funds are needed for traffic signal, signing, and pavement marking revisions. File 02-17-46888C	\$20,000.00
New Bern/ Craven Co. Div. 2 SS-4902DF	WBS 48740.3.1 SR 1395 (Martin Luther King Boulevard) at Degraffenreid Avenue/Jefferson Avenue; SR 1395 at SR 1215 (Simmons Street; SR 1395 at Pinetree Drive; SR 1395 at Hotel Drive; SR 1395 at US 70 Westbound Ramps; US 17 Business (Martin Luther King Boulevard) at US 70 Eastbound Ramps; US 17 Business at New Bern Mall/Walmart; US 17 Business at Lowe's Boulevard; US 17 Business at Red Robin Lane; US 17 Business at McCarthy Boulevard. Initial Spot Safety construction funds are needed for traffic signal revisions." File 02-18-52752C	\$150,000.00
Lenoir Co. Div. 2 SS-4902BX	WBS 44591.3.1 NC 11 between SR 1735 (Ferrell Road) and SR 1835 (Grainger Station Road). \$261,000.00 in Spot Safety construction funds has previously been approved for safety improvements. Additional funds are needed due to an increase in construction costs. File 02-15-35623-1	\$15,000.00

**NCDOT June 2019 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>
Kinston/ Lenoir Co. Div. 2 SS-4902CN	WBS 47439.3.1 SR 1838 (Vernon Avenue) at McLewean Street. \$43,493.00 in Spot Safety construction funds has previously been approved for traffic signal and pavement marking revisions. Additional funds are needed due to an increase in construction costs. File 02-16-44148-1	\$49,272.00
Pitt Co. Div. 2 SS-4902DG	WBS 48741.3.1 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). Initial Spot Safety construction funds are needed for warning sign and pavement marking revisions, supplemental Stop sign and monolithic island construction on SR 1127, and shoulder improvements. File 02-18-53594C	\$175,000.00
Pitt Co. Div. 2 SS-4902DG	WBS 48741.2.1 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). Initial Spot Safety right of way and utilities funds are needed for warning sign and pavement marking revisions, supplemental Stop sign and monolithic island construction on SR 1127, and shoulder improvements. File 02-18-53594R	\$10,000.00
Wilmington/ New Hanover Co. Div. 3 SS-4903EC	WBS 48743.3.1 US 17 Business (Market Street) and US 17 Business (3rd Street). Initial Spot Safety construction funds are needed for traffic signal revisions. File 03-19-48672C	\$39,000.00
Jacksonville/ Onslow Co. Div. 3 SS-4903ED	WBS 48744.3.1 SR 1308 (Gumbranch Road) and Williamsburg Parkway. Initial Spot Safety construction funds are needed for traffic signal revisions. File 03-19-48239C	\$35,000.00

**NCDOT June 2019 Board of Transportation Agenda**  
**Approval of Funds for Specific Spot Safety Improvement Projects**  
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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Jacksonville/ Onslow Co. Div. 3 SS-4903EE	WBS 48745.3.1 US 17 Business (Wilmington Highway) and SR 1400 (Broadhurst Road). Initial Spot Safety construction funds are needed for traffic signal revisions. File 03-19-54178C	\$16,000.00
Jacksonville/ Onslow Co. Div. 3 SS-4903EF	WBS 48783.3.1 NC 24 West On Ramp from Wilson Gate at Camp Lejeune. Initial Spot Safety construction funds are needed for Smart Crash Cushion installation. File 03-19-56650C	\$30,000.00
Jacksonville/ Onslow Co. Div. 3 SS-4903EG	WBS 48782.2.1 SR 1336 (Henderson Drive) in the vicinity of Jacksonville High School. Initial Spot Safety right of way and utilities funds are needed for pedestrian hybrid beacon installation. File 03-19-56341R	\$30,000.00
Jacksonville/ Onslow Co. Div. 3 SS-4903EG	WBS 48782.3.1 SR 1336 (Henderson Drive) in the vicinity of Jacksonville High School. Initial Spot Safety construction funds are needed for pedestrian hybrid beacon installation. File 03-19-56341C	\$91,000.00
Johnston Co. Div. 4 SS-4904EY	WBS 48746.3.1 NC 42 between Johnson Estate Road and the US 70 westbound ramps. Initial Spot Safety construction funds are needed for pavement marking and signing revisions. File 04-19-55811C	\$7,500.00

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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Nash Co. Div. 4 SS-4904CX	WBS 44185.3.1 US 64 at NC 58 (Washington Street). \$300,800.00 in Spot Safety construction funds has previously been approved for horizontal realignment, resurfacing with open-graded friction course, pavement marking revisions, guardrail installation, and interchange lighting installation. Additional funds are needed due to an increase in construction costs. File 04-11-16545-1	\$79,590.43
Division 5 Div. 5 SM-5705N	WBS 47902.3.1 Division 5. Reimbursements for road improvements adjacent to schools per GS 136-18(29a). \$3,200,000.00 in Spot Mobility construction funds has previously been approved. Additional funds are needed due to additional reimbursements. File 05-18-001-2	\$45,809.33
Raleigh/ Wake Co. Div. 5 SS-4905DE	WBS 44631.3.1 US 70/US 401 (South Saunders Street) at Illeagnes Road and Pecan Road/Carolina Pines Avenue. \$50,400.00 in Spot Safety construction funds has previously been approved for traffic signal revisions. Additional funds are needed due to an increase in construction costs. File 05-15-8057-1	\$45,206.00
Raleigh/ Wake Co. Div. 5 SS-4905DS	WBS 44939.3.1 US 401 at SR 2108/SR 2036 (New Hope Road) and US 401 at Calvary Drive. \$54,000.00 in Spot Safety construction funds has previously been approved for pedestrian safety improvements. Additional funds are needed due to an increase in construction costs. File 05-16-2076-1	\$33,326.00
Cary/ Wake Co. Div. 5 SS-4905DZ	WBS 44944.3.1 SR 1625 (Green Level Church Road) at Dennison Lane/Jewel Creek Drive. \$92,125.95 in Spot Safety construction funds has previously been approved for pedestrian hybrid beacon installation. Additional funds are needed due to an increase in construction costs. File 05-16-9410-1	\$17,405.00

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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Erwin/ Harnett Co. Div. 6 SS-4906DH	WBS 47674.3.1 US 421 (East Jackson Boulevard) at SR 1703 (Red Hill Church Road/Masonic Road). \$25,200.00 in Spot Safety construction funds has previously been approved for installation of "Prepare to Stop when Flashing" warning signs, near side signal heads, and signal ahead warning signs. Additional funds are needed due to an increase in construction costs. File 06-17-47754-1	\$19,972.00
Harnett Co. Div. 6 SS-4906ED	WBS 48757.2.1 SR 1006 (Old Stage Road) at SR 1532 (Langdon Road). Initial Spot Safety right of way and utilities funds are needed for All-Way Stop installation. File 06-19-56083R	\$2,000.00
Harnett Co. Div. 6 SS-4906ED	WBS 48757.3.1 SR 1006 (Old Stage Road) at SR 1532 (Langdon Road). Initial Spot Safety construction funds are needed for All-Way Stop installation. File 06-19-56083C	\$10,000.00
Robeson Co. Div. 6 SS-4906CU	WBS 44949.3.1 SR 2207 (Popes Crossing Road) at SR 2215/SR 2289 (Alamac Road). \$306,000.00 in Spot Safety construction funds has previously been approved for intersection improvements. Additional funds are needed due to an increase in construction costs. File 06-16-41742-1	\$76,190.00
Robeson Co. Div. 6 SS-4906EE	WBS 48758.2.1 NC 211 at SR 1318 (McQueen Road). Initial Spot Safety right of way and utilities funds are needed for All-Way Stop installation. File 06-19-56141R	\$2,000.00

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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Robeson Co. Div. 6 SS-4906EE	WBS 48758.3.1 NC 211 at SR 1318 (McQueen Road). Initial Spot Safety construction funds are needed for All-Way Stop installation. File 06-19-56141C	\$40,000.00
Guilford Co. Div. 7 SS-4907CN	WBS 48759.3.1 SR 1113 (Kivett Drive) at SR 1145 (Riverdale Drive) east of High Point. Initial Spot Safety construction funds are needed for All-Way Stop and flasher installation, and radius improvements. File 07-19-5963C	\$90,000.00
Guilford Co. Div. 7 SS-4907CN	WBS 48759.2.1 SR 1113 (Kivett Drive) at SR 1145 (Riverdale Drive) east of High Point. Initial Spot Safety right of way and utilities funds are needed for All-Way Stop and flasher installation, and radius improvements. File 07-19-5963R	\$15,000.00
Guilford Co. Div. 7 SS-4907CO	WBS 48784.3.1 I-85 North at Exit 126 A-B collector ramp to US 421 South, south of Greensboro. Initial Spot Safety construction funds are needed for Smart Crash Cushion installation. File 07-19-6914C	\$35,000.00
Rockingham Co. Div. 7 SM-5707F	WBS 48785.3.1 Lincoln Elementary School on SR 1914 (Oregon Hill Road) 1.2 miles south of NC 700 north of Reidsville. Initial Spot Mobility construction funds are needed for improvements to the internal queuing capacity of the school to allow all school traffic to be contained within the school property and not queued up on SR 1914. File 07-19-6937C	\$305,000.00

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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Rockingham Co. Div. 7 SM-5707F	WBS 48785.1.1 Lincoln Elementary School on SR 1914 (Oregon Hill Road) 1.2 miles south of NC 700 north of Reidsville. Initial Spot Mobility preliminary engineering funds are needed for improvements to the internal queuing capacity of the school to allow all school traffic to be contained within the school property and not queued up on SR 1914. File 07-19-6937P	\$25,000.00
Moore Co. Div. 8 SS-4908AS	WBS 44329.3.1 US 1 from SR 1309 (Morganton Road) to SR 2025 (Causey Road). \$20,000.00 in Spot Safety construction funds has previously been approved for installation of markings and delineation. Additional funds are needed due to an increase in construction costs. File 08-14-1252-1	\$20,000.00
Davidson Co. Div. 9 SS-4909CM	WBS 48761.2.1 NC 150 northbound from north of Freyes Creek northward to SR 3271 (Meadowlark Drive). Initial Spot Safety right of way and utilities funds are needed for shoulder improvements and guardrail installation. File 09-19-5958R	\$100,000.00
Davidson Co. Div. 9 SS-4909CM	WBS 48761.3.1 NC 150 northbound from north of Freyes Creek northward to SR 3271 (Meadowlark Drive). Initial Spot Safety construction funds are needed for shoulder improvements and guardrail installation. File 09-19-5958C	\$260,000.00
Rowan Co. Div. 9 SS-4909CL	WBS 48760.3.1 SR 2048 (Woodleaf Road) at SR 1944 (Enon Church Road/West Ridge Road) northwest of Salisbury. Initial Spot Safety construction funds are needed for All-Way Stop installation with flasher. File 09-18-5874C	\$10,000.00

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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Charlotte/ Mecklenburg Co. Div. 10 SS-4910CO	WBS 44961.3.1 US 21 (Statesville Road) and NC 24 (WT Harris Boulevard). \$112,500.00 in Spot Safety construction funds has previously been approved for widening and turn lane construction. Additional funds are needed due to an increase in construction costs. File 10-16-240-1	\$40,081.00
Charlotte/ Mecklenburg Co. Div. 10 SS-4910DO	WBS 48487.3.1 US 29/NC 49 (Tryon Street) at Bennett Street. \$103,500.00 in Spot Safety construction funds has previously been approved for installation of a pedestrian refuge and hybrid beacon. Scope needs to be revised to installation of traffic signal instead. No additional funds needed. File 10-18-216-1	
Mint Hill/ Mecklenburg Co. Div. 10 SS-4910DP	WBS 48762.3.1 SR 5223 (Wilgrove Mint Hill Road) between NC 51 and Pine Hill Road. Initial Spot Safety construction funds are needed for roadway improvements. File 10-18-208C	\$70,000.00
Charlotte/ Mecklenburg Co. Div. 10 SS-4910DQ	WBS 48763.3.1 SR 1009 (Monroe Road) at Ashmore Drive. Initial Spot Safety construction funds are needed for sight distance improvements and pedestrian refuge installation. File 10-18-227C	\$25,000.00
Charlotte/ Mecklenburg Co. Div. 10 SS-4910DQ	WBS 48763.2.1 SR 1009 (Monroe Road) at Ashmore Drive. Initial Spot Safety right of way and utilities funds are needed for sight distance improvements and pedestrian refuge installation. File 10-18-227R	\$65,000.00



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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Avery Co. Div. 11 SS-4911BF	WBS 48766.3.1 US 221 Between NC 194 and SR 1503 (Mill Timber Creek Road). Initial Spot Safety construction funds are needed for guardrail installation. File 11-18-204C	\$50,000.00
Boone/ Watauga Co. Div. 11 SS-4911BD	WBS 48764.3.1 US 321/US 421/W. King Street at SR 1102 (Water Street). Initial Spot Safety construction funds are needed for traffic signal revisions. File 11-19-200C	\$5,000.00
Watauga Co. Div. 11 SS-4911BE	WBS 48765.3.1 NC 194 in the vicinity of SR 1328 (Brookshire Road). Initial Spot Safety construction funds are needed for installation of an electronic LED (solar powered) blinker sign, reflectors on existing guardrail, and wider edge lines. File 11-19-201C	\$9,000.00
Cleveland Co. Div. 12 SS-4912BI	WBS 44334.3.1 NC 226 (Polkville Road) between Gragg Drive and Lester lane. \$301,255.92 in Spot Safety construction funds has previously been approved for installation of high friction treatment on roadway surface. Additional funds are needed due to an increase in construction cost and scope revision. Revise scope to include Gaston County, SR 1918 (Stanley Lucia Road) between Milepost 4.2 and 4.86. Installation of high friction surface treatment and pavement marking revisions. File 12-14-207-2	\$45,653.00
Gastonia/ Gaston Co. Div. 12 SS-4912CL	WBS 47833.3.1 SR 2200 (Cox Road) at Court Drive. \$27,000.00 in Spot Safety construction funds has previously been approved for traffic signal revisions. Additional funds are needed due to an increase in construction costs. File 12-17-220-1	\$15,519.00

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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Gastonia/ Gaston Co. Div. 12 SS-4912CM	WBS 47834.3.1 NC 279 (New Hope Road) at SR 2329 (Redbud Road). \$67,500.00 in Spot Safety construction funds has previously been approved for traffic signal, pavement marking, and intersection improvements. Additional funds are needed due to an increase in construction costs. File 12-17-215-1	\$35,000.00
Lincolnton/ Lincoln Co. Div. 12 SS-4912CZ	WBS 48767.3.1 NC 27/150 (East Main Street) at SR 1001 (Salem Church Road). Initial Spot Safety construction funds are needed for traffic signal and pavement marking revisions. File 12-19-200C	\$5,000.00
Asheville/ Buncombe Co. Div. 13 SS-4913CM	WBS 47128.3.1 I-26 East/I-240 West near the Patton Avenue Overpass (Jackson's Curve). \$27,000.00 in Spot Safety construction funds has previously been approved for guardrail installation. Additional funds are needed due to an increase in construction costs. File 13-16-228-1	\$12,638.00
Burke Co. Div. 13 SS-4913DA	WBS 48768.3.1 NC 181 from SR 1414 to SR 1263 near Morganton. Initial Spot Safety construction funds are needed for centerline rumble stripes installation. File 13-19-200C	\$200,000.00
Burke Co. Div. 13 SS-4913DA	WBS 48768.2.1 NC 181 from SR 1414 to SR 1263 near Morganton. Initial Spot Safety right of way and utilities funds are needed for centerline rumble stripes installation. File 13-19-200R	\$1,000.00

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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
McDowell Co. Div. 13 SS-4913DB	WBS 48769.3.1 NC 226 from US 64 to SR 1794 near Marion. Initial Spot Safety construction funds are needed for centerline rumble stripes installation. File 13-19-201C	\$190,000.00
McDowell Co. Div. 13 SS-4913DB	WBS 48769.2.1 NC 226 from US 64 to SR 1794 near Marion. Initial Spot Safety right of way and utilities funds are needed for centerline rumble stripes installation. File 13-19-201R	\$1,000.00
Cherokee Co. Div. 14 SS-4914DT	WBS 48771.2.1 SR 1428 (Airport Rd.) from SR 1374 to 0.4 mile west of SR 1376 near Marble. Initial Spot Safety right of way and utilities funds are needed for guardrail installation. File 14-19-203R	\$2,000.00
Cherokee Co. Div. 14 SS-4914DT	WBS 48771.3.1 SR 1428 (Airport Rd.) from SR 1374 to 0.4 mile west of SR 1376 near Marble. Initial Spot Safety construction funds are needed for guardrail installation. File 14-19-203C	\$74,000.00
Graham Co. Div. 14 SS-4914DL	WBS 47839.3.1 NC 143 (Cherohala Skyway) from the Tennessee State line to SR 1159 near Robbinsville. \$315,000.00 in Spot Safety construction funds has previously been approved for guardrail revisions. Additional funds are needed due to an increase in construction costs. File 14-17-212-1	\$22,945.00

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<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Hendersonville/ Henderson Co. Div. 14 SS-4914DG	WBS 47478.3.1 Various intersections (14) along the US 64 and US 25 Business one-way pairs in downtown Hendersonville. \$45,000.00 in Spot Safety construction funds has previously been approved for traffic signal, signing, and pavement marking revisions. Additional funds are needed due to an increase in construction costs. File 14-17-205-1	\$12,636.00
Transylvania Co. Div. 14 SS-4914CL	WBS 44769.3.1 SR 1207 (Barclay Road) from US 276 to SR 1113 (South Country Club Road) near Brevard. \$38,144.50 in Spot Safety construction funds has previously been approved for guardrail installation. Additional funds are needed due to an increase in construction costs. File 14-15-221-1	\$10,048.00
Transylvania Co. Div. 14 SS-4914DS	WBS 48770.3.1 US 64 from US 178 to SR 1337 near Rosman. Initial Spot Safety construction funds are needed for centerline rumble stripes installation. File 14-19-201C	\$130,000.00
Transylvania Co. Div. 14 SS-4914DS	WBS 48770.2.1 US 64 from US 178 to SR 1337 near Rosman. Initial Spot Safety right of way and utilities funds are needed for centerline rumble stripes installation. File 14-19-201R	\$1,000.00

**NCDOT June 2019 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 1**

**Rural**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>	
Dare Co. R-5014 DIVISION	41162.3.1, STP-1217(006) SR 1217 (Collington Road) from dead end to US 158 (Croatan Highway) in Kill Devil Hills. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published April 9, 2019. <b>This a 2 year cash flow</b> with \$4,680,000.00 of Federal in FFY19 with a State Match of \$1,170,000.00 in FFY19; and \$4,680,000 of Federal in FFY20 with a State Match of \$1,170,000.00 in FFY20.	\$11,700,000.00 \$9,360,000.00 \$2,340,000.00	Cost Fed. State

**NCDOT June 2019 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 2**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>	
Beaufort Co. W-5702R REGIONAL	44848.1.18, HSIP-0264(071) US 264 from approximately 800 feet east of SR 1311 (Asbury Church Road) to approximately 1600 feet west of SR 1327 (Neck Road) and SR 1522 (Lizzard Slip Road). \$150,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$123,100.00 \$110,790.00 \$12,310.00	Cost Fed. State
Carteret Co. W-5702J REGIONAL	44848.3.10, HSIP-0024(086) NC 24 in Carteret County from NC 24 between Bryan Street and US 70 and US 70 between NC 24 and Rochelle Drive. Funds are needed for construction for signing and pavement markings.	\$55,000.00 \$49,500.00 \$5,500.00	Cost Fed. State
Craven Co. W-5702K REGIONAL	44848.3.11, HSIP-0043(028) NC 43 in Craven County from NC 43 (Washington Post Road) at NC 55 (Neuse Boulevard). Funds are needed for construction for signing and pavement markings.	\$98,000.00 \$88,200.00 \$9,800.00	Cost Fed. State

**Rail Program**

Beaufort Co. Z-5700BC DIVISION	44803.3.30, RR-1507(007) Railway-Highway Grade Crossing Safety Project at SR 1507 (Slatestone Road) and Norfolk Southern Crossing #466 170H near Washington. Funds are needed for construction for signals and gates.	\$250,000.00 \$225,000.00 \$25,000.00	Cost Fed. State
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**NCDOT June 2019 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 3**

**Enhancement**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>	
Brunswick Co.	46305.3.65, STP-0337(002)	\$160,000.00	Cost
ER-5600CF	Ocean Isle Beach-NC 179/904. Funds are needed for	\$128,000.00	Fed.
DIVISION	construction for landscape.	\$32,000.00	State

**Bridge**

Sampson Co.	45586.3.1, BRZ-1620(004)	\$770,000.00	Cost
B-5631	Replace Bridge #169 over Big Juniper Run on SR 1620.	\$616,000.00	Fed.
DIVISION	Funds are needed for construction for bridge replacement.	\$154,000.00	State

**Safety**

New Hanover Co.	44849.1.3, HSIP-0421(091)	\$415,000.00	Cost
W-5703C	US 421 (Carolina Beach Road) between US 117 / NC 132	\$373,500.00	Fed.
REGIONAL	(College Road) and 200 feet north of Willoughby Park Road. \$460,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$41,500.00	State

**NCDOT June 2019 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 4**

**Bridge**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>	
Edgecombe Co. B-6002 DIVISION	48197.2.1, BRZ-1126(008) Replace Bridge #64 over Town Creek on SR 1126. Funds are needed for full right of way and utilities.	\$120,000.00 \$96,000.00 \$24,000.00	Cost Fed. State

**Safety**

Halifax Co. W-5704X STATEWIDE	44850.3.24, HSIP-0095(066) I-95 between the Nash County Line and the Virginia State Line. Funds are needed for construction to upgrade guardrail end units.	\$595,000.00 \$535,500.00 \$59,500.00	Cost Fed. State
Johnston Co. W-5600 REGIONAL	50056.2.2, HSIP-0070(163) US 70 Business to Neuse River Bridge, Convert to Freeway with interchanges at SR 1501 (Swift Creek Road) and SR 1919 (Wilson's Mills Road). Funds are needed for utilities.	\$2,000,000.00 \$1,800,000.00 \$200,000.00	Cost Fed. State
Johnston Co. W-5704Y STATEWIDE	44850.3.25, HSIP-0095(067) I-95 Northbound Entrance Loop at US 70 Business and I-40 Westbound approximately 0.55 mile southeast of SR 1308 (Elevation Road). Funds are needed for construction to upgrade guardrail end units.	\$25,000.00 \$22,500.00 \$2,500.00	Cost Fed. State



**NCDOT June 2019 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 4 (Continued)**

**Rural**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>	
Divisionwide R-5784DG DIVISION	44914.3.15, TAP-00SS(057) ADA ramps at various locations (Americans with Disabilities Act) for areas with populations <5000. Funds are needed for construction for ADA ramps.	\$587,250.00 \$469,800.00 \$117,450.00	Cost Fed. State
Johnston Co. R-5784DH DIVISION	44914.3.16, TAP-00SS(059) ADA ramps at various locations (Americans with Disabilities Act) for areas with populations >5000. Funds are needed for construction for ADA ramps.	\$1,039,500.00 \$831,600.00 \$207,900.00	Cost Fed. State
Johnston Co. R-5784DJ DIVISION	44914.3.18, TAP-00SS(062) ADA ramps at various locations (Americans with Disabilities Act) for areas with populations <5000. Funds are needed for construction for ADA ramps.	\$205,200.00 \$164,160.00 \$41,040.00	Cost Fed. State

**NCDOT June 2019 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 5**

**Interstate**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Wake Co. I-5311(L) STATEWIDE	46265.3.2, NHP-0040(091) I-40 (exit 301) to north of US 64-264 (Knightdale Bypass) (combined with: I-5338: I-40/US 64 from west of SR 1319 (Jones Franklin Road) to east of I-440/US 64 (exit 301)). \$1,623,370.00 has previously been approved for Landscape. Additional funds are needed for Landscaping.	\$446,532.00 Cost \$357,225.00 Fed. \$89,307.00 State

**Congestion Mitigation**

Franklin Co. C-5604QA EXEMPT	43714.1.9, CMAQ-0531(008) Town of Youngsville Main Street improvements. \$66,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$65,872.00 Cost \$52,697.00 Fed. \$13,175.00 Local
Wake Co. C-5604OC EXEMPT	43714.2.7, CMAQ-0520(058) Walnut Creek Greenway Extension from SR 1348 (Trailwood Drive) to North Carolina State University Centennial Campus in Raleigh. Funds are needed for full right of way and utilities.	\$9,080.00 Cost \$6,084.00 Fed. \$2,996.00 Local

**Safety**

Wake Co. W-5705AJ REGIONAL	44851.1.36, HSIP-0096(024) NC 96 (Zebulon Road) at Perry Creek. Funds are needed for preliminary engineering.	\$2,000.00 Cost \$1,800.00 Fed. \$200.00 State
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**NCDOT June 2019 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 5 (Continued)**

**Rural**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>	
Wake Co.	37673.1.TA1, STP-0540(026)	\$15,000,000.00	Cost
R-2721	Southern Wake Freeway from NC 55 (South) to US 401 South	\$12,000,000.00	Fed.
STATEWIDE	Freeway on new location. \$7,643,283.00 has previously been approved for preliminary engineering. <b>This is a 2 year cash flow</b> project with Federal Funds of \$4,000,000.00 in FFY19 and State Match of \$1,000,000.00 in FFY19 and Federal Funds of \$8,000,000.00 in FFY20 and State Match of \$2,000,000.00 in FFY20. Additional funds are needed as requested.	\$3,000,000.00	State

**NCDOT June 2019 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-5605 DIVISION	45833.1.1, STPDA-1600(013) SR 4202 (Odell Road) from the Fort Bragg Boundary to NC 24/NC 87 (Bragg Boulevard). \$1,100,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$120,000.00 \$96,000.00 \$24,000.00	Cost Fed. State

**Rail Program**

Robeson Co. Z-5700FD DIVISION	44803.3.26, RR-1006(050) Railway-Highway Grade Crossing Safety Project at SR 1006 (Morgan J Road / Great Marsh Church Road) and CSX Crossing 629 584M in Rennert. Funds are needed for construction for grade crossing flashers and gates.	\$440,000.00 \$396,000.00 \$44,000.00	Cost Fed. State
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**NCDOT June 2019 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 7**

**Congestion Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Guilford Co. C-5609F EXEMPT	43731.1.3, CMAQ-0712(008) 2800 linear feet of sidewalk between Chimney Court and Jamestown Oaks Drive. \$60,000.00 has previously been approved for preliminary engineering.	\$30,262.00 Cost \$24,209.00 Fed. \$6,053.00 Local

**NCDOT June 2019 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 8**

**High Priority**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Richmond Co. R-3421A REGIONAL	34542.1.FR4, NHF-0220(075) US 220 Bypass from US 74 Bypass west of Rockingham at SR 1109 (Zion Church Road) Interchange to south of SR 1140 (Old Charlotte Highway). \$500,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$50,000.00 Cost \$40,000.00 Fed. \$10,000.00 State

**NCDOT June 2019 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 9**

**Urban**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>	
Forsyth Co. U-5617 DIVISION	47082.2.1, STBGDA-1173(005) SR 1173 (Williams Street) improve roundabout west and east of Bridge over US 421, widen to multi-lanes from roundabout east of bridge to west of roundabout at SR 1001 (Shallowford Road). Funds are needed for full right of way and utilities.	\$150,000.00 \$120,000.00 \$30,000.00	Cost Fed. Local

**Bridge**

Forsyth Co. B-5770 DIVISION	45726.2.1, BRSTP-0918(098) Replace Bridge #243 over NC 150 in Winston-Salem on Salisbury Ridge Road. Funds are needed for full right of way and utilities.	\$216,000.00 \$172,800.00 \$43,200.00	Cost Fed. State
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**Rural**

Davidson Co. R-5789D DIVISION	44919.3.5, TAP-0918(120) ADA ramps at various locations (Americans with Disabilities Act) for areas with populations <5000. Funds are needed for construction for ADA ramps.	\$400,000.00 \$320,000.00 \$80,000.00	Cost Fed. State
Davidson Co. R-5789E REGIONAL	44919.3.6, TAP-0918(121) ADA ramps at various locations (Americans with Disabilities Act) for areas with populations >5000. Funds are needed for construction for ADA ramps.	\$50,000.00 \$40,000.00 \$10,000.00	Cost Fed. State

**NCDOT June 2019 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 10**

**Congestion Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>	
Gaston Co. C-5600K EXEMPT	50061.3.12, CMAQ-0085(035) I-85 Integrated Corridor Management System. Funds are needed for construction to install dynamic message signs, dynamic trailblazer signs and CCTV (Closed Circuit Television Cameras).	\$1,400,000.00 \$1,120,000.00 \$280,000.00	Cost Fed. State

**Safety**

Union Co. W-5710Y DIVISION	44856.2.25, HSIP-1315(021) SR 1315 (New Town Road) and SR 1008 (Waxhaw Indian Trail) in Wesley Chapel. \$100,000.00 has previously been approved for right of way and utilities. Additional funds are needed as requested.	\$50,000.00 \$45,000.00 \$5,000.00	Cost Fed. State
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**Bicycle and Pedestrian**

Stanly Co. EB-4717 DIVISION	43685.3.1, STPEB-1010(015) Locust Bike-Ped Trail - Construct a multi-use trailway along town sewer easements in Locust. Funds are needed for construction for a multi-use asphalt trailway.	\$250,000.00 \$250,000.00	Cost Fed.
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**NCDOT June 2019 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 12**

**Congestion Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>	
Iredell Co. C-5701 EXEMPT	46446.3.1, CMS-0801(012) Intersection of NC 801 / 150. \$200,000.00 has previously been approved for construction. Additional funds are needed for intersection improvements.	\$2,741,276.00 \$2,165,607.00 \$575,669.00	Cost Fed. Local

**Bicycle and Pedestrian**

Catawba Co. EB-5750 DIVISION	50427.3.1, TAP-1216(023) Main Avenue Greenway from 9th Street northwest to 7th Avenue northeast in Hickory. Funds are needed for construction for a greenway.	\$14,100,000.00 \$11,280,000.00 \$2,820,000.00	Cost Fed. Local
Gaston Co. EB-5701 DIVISION	51047.1.1, SRTS-00259(066) US 29/74 (East Franklin Boulevard) from SR 2200 (Cox Road) to the City Limits. \$156,800.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$104,000.00 \$83,200.00 \$20,800.00	Cost Fed. Local

**NCDOT June 2019 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 13**

**Interstate**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Buncombe Co. I-4700 STATEWIDE	36030.3.GV4, NHPP-0261(199)6 I-26 from NC 280 (Exit 40) to I-40 in Asheville. Funds are needed for construction based on the estimate from the <b>12-Month Tentative Letting List</b> published February 15, 2019. This is a <b>GARVEE BOND</b> project with \$7,722,000.00 of Federal Funds in FFY19 thru FFY33 and \$30,000,000.00 of State Match funds in FFY19. This project also includes \$81,000,000.00 of NHPP funds (including match) in FFY19.	\$226,830,000.00 Cost \$180,630,000.00 Fed. \$46,200,000.00 State

**NCDOT June 2019 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 14**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>	
Divisionwide W-5714L REGIONAL	44862.3.12, HSIP-1420(013) Various routes in Highway Division 14. Funds are needed for construction for lifelong pavement markings.	\$1,787,000.00 \$1,608,300.00 \$178,700.00	Cost Fed. State
Henderson Co. W-5714J DIVISION	44862.3.10, HSIP-1358(005) SR 1358 (Fanning Bridge Road) at SR 1359 (Rutledge Road) in Fletcher. Funds are needed for construction for a flashing led stop sign.	\$18,000.00 \$16,200.00 \$1,800.00	Cost Fed. State

**NCDOT June 2019 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>
Statewide C-5536BK EXEMPT	51006.1.13, CMAQ-00SS(055) Grants to replace Aging Diesel Engines (GRADE) subaward to the Mecklenburg County Land Use and Environmental Services Agency (LUESA) and Mecklenburg Emergency Medical Services Agency (EMS) to replace Heavy Duty Diesel Vehicles (HDDV). Funds are needed for preliminary engineering.	\$386,252.00 Cost \$96,563.00 Fed. \$289,689.00 Local
Statewide C-5600U STATEWIDE	50061.1.20, CMAQ-00SS(058) Triad TMC Upgrade (Triangle and Triad Piedmont Traffic Management). Funds are needed for preliminary engineering.	\$183,100.00 Cost \$146,480.00 Fed. \$36,620.00 State

**Planning and Research**

Statewide M-0482F STATEWIDE	50145.1.6, MMP-00SS(063) Peer Exchange to improve Multi-Modal Planning. Funds are needed for preliminary engineering.	\$36,000.00 Cost \$28,800.00 Fed. \$7,200.00 State
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## DIVISION 9

NEW ROUTE, SR 4001 (REYNOLDS BOULEVARD) TO SR 2264 (AKRON DRIVE) AT INTERSECTION OF SR 1763 (INDIANA AVENUE) IN WINSTON-SALEM. CONSTRUCT ACCESS ROAD.

**ECONOMIC DEVELOPMENT PROJECT.**

VARIOUS, SAFE ROUTES TO SCHOOL EDUCATION.  
PROJECT ADDED AT REQUEST OF BICYCLE AND  
PEDESTRIAN DIVISION.

ENGINEERING	FY 2019 -	\$1,500,000	(TAANY)
	FY 2019 -	<u>\$375,000</u>	(O)
		\$1,875,000	

## DIVISION 1

US 17 (FUTURE I-87), PERQUIMANS COUNTY LINE TO  
NORTH END OF US 17 (ELIZABETH CITY) BYPASS.  
PAVEMENT REHABILITATION.

***PROJECT WILL UTILIZE GARVEE BOND FUNDING***

GARVEE CONSTR	FY 2020 -	\$772,000	(NHPIM)
	FY 2021 -	\$772,000	(NHPIM)
	FY 2022 -	\$772,000	(NHPIM)
	FY 2023 -	\$772,000	(NHPIM)
	FY 2024 -	\$772,000	(NHPIM)
	FY 2025 -	\$772,000	(NHPIM)
	FY 2026 -	\$772,000	(NHPIM)
	FY 2027 -	\$772,000	(NHPIM)
	FY 2028 -	\$772,000	(NHPIM)
	FY 2029 -	\$772,000	(NHPIM)
	POST YR-	\$3,860,000	(NHPIM)
CONSTRUCTION	FY 2020 -	\$3,000,000	(S(M))
	FY 2021 -	<u>\$3,000,000</u>	(S(M))
		\$17,580,000	

SR 1329 (WOODVILLE ROAD), SR 1331 (RED BANK ROAD) TO SR 1300 (NEW HOPE ROAD). UPGRADE ROADWAY.

**TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN DELAY CONSTRUCTION FROM FY 19 TO FY 20**

BUILD NC CONST	FY 2020 -	\$429,000	(T)
	FY 2021 -	\$429,000	(T)
	FY 2022 -	\$429,000	(T)
	FY 2023 -	\$429,000	(T)
	FY 2024 -	\$429,000	(T)
	FY 2025 -	\$429,000	(T)
	FY 2026 -	\$429,000	(T)
	FY 2027 -	\$429,000	(T)
	FY 2028 -	\$429,000	(T)
	FY 2029 -	\$429,000	(T)
	POST YR-	\$2,145,000	(T)
CONSTRUCTION	FY 2020 -	<u>\$800,000</u>	(T)
		\$7,235,000	

## HIGHWAY PROGRAM STIP MODIFICATIONS

### DIVISION 2

* B-5614	SR 1112 (MOUTH OF THE CREEK ROAD), REPLACE	RIGHT-OF-WAY	FY 2020 -	\$319,000	(BGOFF)
BEAUFORT	BRIDGE 060009 OVER BLOUNTS CREEK.	CONSTRUCTION	FY 2021 -	\$3,191,000	(BGOFF)
<b>PROJ.CATEGORY</b>	<b><u>ACCELERATE RIGHT-OF-WAY FROM FY 24 TO FY 20</u></b>		FY 2022 -	\$3,191,000	(BGOFF)
DIVISION	<b><u>AND CONSTRUCTION FROM FY 25 TO FY 21</u></b>			\$6,701,000	

R-5777A	US 70, TABERNA WAY. CONVERT AT-GRADE	RIGHT-OF-WAY	FY 2020 -	\$8,400,000	(T)
CRAVEN	INTERSECTION TO INTERCHANGE.		FY 2021 -	\$8,400,000	(T)
<b>PROJ.CATEGORY</b>	<b><u>TO STRATEGICALLY BALANCE LETTINGS DELAY</u></b>	UTILITIES	FY 2020 -	\$300,000	(T)
STATEWIDE	<b><u>RIGHT-OF-WAY AND CONSTRUCTION FROM FY 19 TO</u></b>	CONSTRUCTION	FY 2020 -	\$1,450,000	(T)
	<b><u>FY 20. COMBINE LETTING WITH R-5777B AND U-5713</u></b>		FY 2021 -	\$9,183,000	(T)
			FY 2022 -	\$9,183,000	(T)
			FY 2023 -	\$9,184,000	(T)
				\$46,100,000	

R-5777B	US 70, WEST THURMAN ROAD/EAST THURMAN ROAD.	BUILD NC ROW	FY 2020 -	\$1,716,000	(T)
CRAVEN	CONVERT AT-GRADE INTERSECTION TO		FY 2021 -	\$1,716,000	(T)
<b>PROJ.CATEGORY</b>	INTERCHANGE.		FY 2022 -	\$1,716,000	(T)
REGIONAL	<b><u>TO STRATEGICALLY BALANCE LETTINGS DELAY</u></b>		FY 2023 -	\$1,716,000	(T)
	<b><u>RIGHT-OF-WAY AND CONSTRUCTION FROM FY 19 TO</u></b>		FY 2024 -	\$1,716,000	(T)
	<b><u>FY 20 TO COMBINE LETTING WITH R-5777A AND U-5713</u></b>		FY 2025 -	\$1,716,000	(T)
			FY 2026 -	\$1,716,000	(T)
			FY 2027 -	\$1,716,000	(T)
			FY 2028 -	\$1,716,000	(T)
			FY 2029 -	\$1,716,000	(T)
			POST YR-	\$8,580,000	(T)
		RIGHT-OF-WAY	FY 2020 -	\$1,700,000	(T)
			FY 2021 -	\$1,700,000	(T)
		UTILITIES	FY 2020 -	\$300,000	(T)
		CONSTRUCTION	FY 2020 -	\$1,425,000	(T)
			FY 2021 -	\$9,025,000	(T)
			FY 2022 -	\$9,025,000	(T)
			FY 2023 -	\$9,025,000	(T)
				\$57,940,000	

U-5713	US 70, SR 1124 (GRANTHAM ROAD) TO NEUSE RIVER	RIGHT-OF-WAY	FY 2020 -	\$1,250,000	(T)
CRAVEN	BRIDGE. UPGRADE ROADWAY TO FREEWAY.		FY 2021 -	\$23,750,000	(T)
<b>PROJ.CATEGORY</b>	<b><u>TO STRATEGICALLY BALANCE LETTINGS DELAY</u></b>	UTILITIES	FY 2020 -	\$1,000,000	(T)
STATEWIDE	<b><u>RIGHT-OF-WAY AND CONSTRUCTION FROM FY 19 TO</u></b>	CONSTRUCTION	FY 2020 -	\$4,500,000	(T)
	<b><u>FY 20. LETTING COMBINED WITH R-5777A AND R-</u></b>		FY 2021 -	\$21,375,000	(T)
	<b><u>5777B</u></b>		FY 2022 -	\$21,375,000	(T)
			FY 2023 -	\$21,375,000	(T)
			FY 2024 -	\$21,375,000	(T)
				\$116,000,000	

## HIGHWAY PROGRAM STIP MODIFICATIONS

### DIVISION 4

W-5600	US 70, US 70 BUSINESS TO NEUSE RIVER BRIDGE.	CONSTRUCTION	FY 2020 -	\$77,000,000	(NHP)
JOHNSTON	CONVERT TO FREEWAY WITH INTERCHANGES AT SR			\$77,000,000	
<b>PROJ.CATEGORY</b>	1501 (SWIFT CREEK ROAD) AND SR 1919 (WILSON'S				
REGIONAL	MILLS ROAD).				
	<u><b>TO STRATEGICALLY BALANCE LETTINGS DELAY</b></u>				
	<u><b>CONSTRUCTION FROM FY 19 TO FY 20</b></u>				

### DIVISION 5

B-5130	SR 1321 (AVENT FERRY ROAD), REPLACE BRIDGE	GARVEE CONSTR	FY 2021 -	\$214,000	(BGANY)
WAKE	910318 OVER LAKE JOHNSON IN RALEIGH.		FY 2022 -	\$214,000	(BGANY)
<b>PROJ.CATEGORY</b>	<u><b>TO ALLOW ADDITIONAL COORDINATION TIME WITH</b></u>		FY 2023 -	\$214,000	(BGANY)
DIVISION	<u><b>PARK AND SCHEDULE COORDINATION WITH U-2719,</b></u>		FY 2024 -	\$214,000	(BGANY)
	<u><b>DELAY CONSTRUCTION FROM FY 19 TO FY 21.</b></u>		FY 2025 -	\$214,000	(BGANY)
			FY 2026 -	\$214,000	(BGANY)
			FY 2027 -	\$214,000	(BGANY)
			FY 2028 -	\$214,000	(BGANY)
			FY 2029 -	\$214,000	(BGANY)
			POST YR-	\$1,292,000	(BGANY)
		CONSTRUCTION	FY 2021 -	\$317,000	(BGANY)
			FY 2021 -	\$833,000	(S(M))
				\$4,368,000	

B-5318	SR 2044 (LIGON MILL ROAD), REPLACE BRIDGE 910126	RIGHT-OF-WAY	FY 2020 -	\$180,000	(BGOFF)
WAKE	OVER SMITHS CREEK IN WAKE FOREST.	UTILITIES	FY 2020 -	\$1,124,000	(BGOFF)
<b>PROJ.CATEGORY</b>	<u><b>TO ALLOW ADDITIONAL TIME FOR DESIGN, DELAY</b></u>	CONSTRUCTION	FY 2021 -	\$1,650,000	(BGOFF)
DIVISION	<u><b>RIGHT-OF-WAY FROM FY 19 TO FY 20 AND</b></u>		FY 2022 -	\$1,650,000	(BGOFF)
	<u><b>CONSTRUCTION FROM FY 20 TO FY 21.</b></u>			\$4,604,000	

B-5326	SR 2555 (RAYNOR ROAD), REPLACE BRIDGE 910247	CONSTRUCTION	FY 2020 -	\$2,450,000	(BGOFF)
WAKE	OVER WHITE OAK CREEK IN GARNER.		FY 2021 -	\$2,450,000	(BGOFF)
<b>PROJ.CATEGORY</b>	<u><b>TO ALLOW ADDITIONAL TIME FOR RIGHT-OF-WAY,</b></u>			\$4,900,000	
DIVISION	<u><b>DELAY CONSTRUCTION FROM FY 19 TO FY 20.</b></u>				

* EB-5704	RAYNOR STREET, NORTH MIAMI BOULEVARD TO	RIGHT-OF-WAY	FY 2019 -	\$135,000	(TAANY)
DURHAM	NORTH HARDEE STREET IN DURHAM. CONSTRUCT		FY 2019 -	\$34,000	(L)
<b>PROJ.CATEGORY</b>	SIDEWALK ON ONE SIDE OF STREET.	CONSTRUCTION	FY 2020 -	\$408,000	(TAANY)
DIVISION	<u><b>ADD RIGHT-OF-WAY IN FY 19 NOT PREVIOUSLY</b></u>		FY 2020 -	\$102,000	(L)
	<u><b>PROGRAMMED AT REQUEST OF MPO.</b></u>			\$679,000	

## HIGHWAY PROGRAM STIP MODIFICATIONS

### DIVISION 5

* EB-5708 DURHAM <b>PROJ.CATEGORY</b> DIVISION	NC 54, NC 55 TO RESEARCH TRIANGLE PARK WESTERN LIMIT IN DURHAM. CONSTRUCT SECTIONS OF SIDEWALK ON SOUTH SIDE. <b><u>ADD RIGHT-OF-WAY IN FY 19 NOT PREVIOUSLY PROGRAMMED AT REQUEST OF MPO.</u></b>	RIGHT-OF-WAY  CONSTRUCTION	FY 2019 - \$142,000 (TAANY) FY 2019 - \$35,000 (L) FY 2020 - \$204,000 (TAANY) FY 2020 - \$51,000 (L) FY 2020 - \$236,000 (SRTS) \$668,000
P-5707 WAKE <b>PROJ.CATEGORY</b> REGIONAL	CSX S LINE, CONSTRUCT GRADE SEPARATION AT ROGERS ROAD EXTENSION CROSSING (633905Y) IN WAKE FOREST. <b><u>TO ALLOW ADDITIONAL TIME FOR DESIGN AND RIGHT- OF-WAY, DELAY CONSTRUCTION FROM FY 19 TO FY 20.</u></b>	CONSTRUCTION	FY 2020 - \$1,180,000 (T) FY 2021 - \$7,474,000 (T) FY 2022 - \$14,946,000 (T) \$23,600,000
P-5715 WAKE <b>PROJ.CATEGORY</b> REGIONAL	CSX, CROSSING 630607N AT NEW HOPE CHURCH ROAD IN RALEIGH. CONSTRUCT GRADE SEPARATION. <b><u>TO ALLOW ADDITIONAL TIME FOR DESIGN AND RIGHT- OF-WAY, DELAY CONSTRUCTION FROM FY 19 TO FY 20.</u></b>	CONSTRUCTION	FY 2020 - \$618,000 (T) FY 2020 - \$535,000 (O) FY 2021 - \$3,916,000 (T) FY 2022 - \$3,915,000 (T) FY 2023 - \$3,915,000 (T) \$12,899,000
U-5750 WAKE <b>PROJ.CATEGORY</b> REGIONAL	NC 54, NC 540 TO PERIMETER PARK DRIVE IN MORRISVILLE. ADD LANES. <b><u>TO ALLOW ADDITIONAL TIME FOR DESIGN, DELAY RIGHT-OF-WAY FROM FY 19 TO FY 20.</u></b>	BUILD NC ROW  RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2020 - \$601,000 (T) FY 2021 - \$601,000 (T) FY 2022 - \$601,000 (T) FY 2023 - \$601,000 (T) FY 2024 - \$601,000 (T) FY 2025 - \$601,000 (T) FY 2026 - \$601,000 (T) FY 2027 - \$601,000 (T) FY 2028 - \$601,000 (T) FY 2029 - \$601,000 (T) POST YR- \$3,005,000 (T) FY 2020 - \$2,000,000 (T) FY 2020 - \$236,000 (T) FY 2021 - \$8,450,000 (T) FY 2022 - \$8,450,000 (T) \$28,151,000



## HIGHWAY PROGRAM STIP MODIFICATIONS

### DIVISION 5

U-5827	SR 1632 (LOUIS STEPHENS DRIVE), POPLAR PIKE LANE	BUILD NC CONST	FY 2020 -	\$86,000	(T)
WAKE	IN MORRISVILLE TO SR 2123 (LITTLE DRIVE) IN		FY 2021 -	\$86,000	(T)
<b>PROJ.CATEGORY</b>	RESEARCH TRIANGLE PARK. CONSTRUCT ROADWAY		FY 2022 -	\$86,000	(T)
DIVISION	ON NEW LOCATION.		FY 2023 -	\$86,000	(T)
	<u><b>TO ALLOW ADDITIONAL TIME FOR DESIGN AND</b></u>		FY 2024 -	\$86,000	(T)
	<u><b>RIGHT-OF-WAY DELAY CONSTRUCTION FROM FY 19</b></u>		FY 2025 -	\$86,000	(T)
	<u><b>TO FY 20.</b></u>		FY 2026 -	\$86,000	(T)
			FY 2027 -	\$86,000	(T)
			FY 2028 -	\$86,000	(T)
			FY 2029 -	\$86,000	(T)
			POST YR-	\$430,000	(T)
		CONSTRUCTION	FY 2020 -	\$1,577,000	(T)
				\$2,867,000	

### DIVISION 6

I-5877	I-95, SR 1811 (BUD HAWKINS ROAD) (EXIT 70) AND SR	CONSTRUCTION	FY 2020 -	\$1,025,000	(T)
HARNETT	1001 (LONG BRANCH ROAD) (EXIT 71). IMPROVE		FY 2021 -	\$9,738,000	(T)
<b>PROJ.CATEGORY</b>	INTERCHANGES.		FY 2022 -	\$9,737,000	(T)
STATEWIDE	<u><b>TO STRATEGICALLY BALANCE LETTINGS DELAY</b></u>			\$20,500,000	
	<u><b>CONSTRUCTION FROM FY 19 TO FY 20</b></u>				

R-5020A	US 701 BYPASS, SR 1166 (PLEASANT PLAINS ROAD) TO	CONSTRUCTION	FY 2021 -	\$10,933,000	(T)
COLUMBUS	SR 1437 (VIRGIL AVENUE).		FY 2022 -	\$10,933,000	(T)
<b>PROJ.CATEGORY</b>	<u><b>TO STRATEGICALLY BALANCE LETTINGS DELAY</b></u>		FY 2023 -	\$10,934,000	(T)
REGIONAL	<u><b>CONSTRUCTION FROM FY 20 TO FY 21</b></u>			\$32,800,000	

R-5020B	US 701 BYPASS, SR 1437 (VIRGIL AVENUE) TO US 74/US	BUILD NC CONST	FY 2021 -	\$1,716,000	(T)
COLUMBUS	76.		FY 2022 -	\$1,716,000	(T)
<b>PROJ.CATEGORY</b>	<u><b>TO STRATEGICALLY BALANCE LETTINGS DELAY</b></u>		FY 2023 -	\$1,716,000	(T)
DIVISION	<u><b>CONSTRUCTION FROM FY 20 TO FY 21</b></u>		FY 2024 -	\$1,716,000	(T)
			FY 2025 -	\$1,716,000	(T)
			FY 2026 -	\$1,716,000	(T)
			FY 2027 -	\$1,716,000	(T)
			FY 2028 -	\$1,716,000	(T)
			FY 2029 -	\$1,716,000	(T)
			POST YR-	\$10,216,000	(T)
		CONSTRUCTION	FY 2021 -	\$1,500,000	(T)
				\$27,160,000	

## HIGHWAY PROGRAM STIP MODIFICATIONS

### DIVISION 6

U-2519BB CUMBERLAND <b>PROJ.CATEGORY</b> REGIONAL	I-295, SOUTH OF SR 1104 (STRICKLAND BRIDGE ROAD) TO SOUTH OF US 401. <b><u>TO STRATEGICALLY BALANCE LETTINGS DELAY CONSTRUCTION FROM FY 19 TO FY 20. COMBINE LETTING WITH U-2519BA</u></b>	CONSTRUCTION	FY 2020 - \$10,567,000 (NHP) FY 2021 - \$10,567,000 (NHP) FY 2022 - \$10,567,000 (NHP) \$31,701,000
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U-4403C CUMBERLAND <b>PROJ.CATEGORY</b> DIVISION	US 401, US 401 BYPASS TO NORTH OF SLOCUMB <b><u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN DELAY RIGHT-OF-WAY FROM FY 24 TO FY 25 AND CONSTRUCTION FROM FY 26 TO FY 28</u></b>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2025 - \$12,000,000 (T) FY 2025 - \$3,000,000 (T) FY 2028 - \$8,200,000 (T) FY 2029 - \$8,200,000 (T) POST YR- \$16,400,000 (T) \$47,800,000
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### DIVISION 7

C-5700 GUILFORD <b>PROJ.CATEGORY</b> EXEMPT	OAKDALE ROAD, EXISTING SIDEWALK EAST OF EAST MAIN STREET TO CHIMNEY COURT IN JAMESTOWN. EXTEND SIDEWALK. <b><u>TO ALLOW ADDITIONAL TIME FOR THE TOWN TO BEGIN THE RIGHT-OF-WAY PHASE, DELAY RIGHT-OF- WAY FROM FY 18 TO FY 19.</u></b>	RIGHT-OF-WAY  CONSTRUCTION	FY 2019 - \$4,000 (CMAQ) FY 2019 - \$1,000 (L) FY 2019 - \$136,000 (CMAQ) FY 2019 - \$34,000 (L) \$175,000
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EB-5878 GUILFORD <b>PROJ.CATEGORY</b> DIVISION	WEST MEADOWVIEW ROAD, SR 1007 (RANDLEMAN ROAD) TO SOUTH ELM-EUGENE STREET IN GREENSBORO. CONSTRUCT SIDEWALKS. <b><u>ACCELERATE RIGHT-OF-WAY FROM FY 20 TO FY 19 AND CONSTRUCTION FROM FY 21 TO FY 20 AT REQUEST OF MPO.</u></b>	RIGHT-OF-WAY  CONSTRUCTION	FY 2019 - \$41,000 (TAANY) FY 2019 - \$10,000 (L) FY 2020 - \$207,000 (TAANY) FY 2020 - \$52,000 (L) \$310,000
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U-4758 GUILFORD <b>PROJ.CATEGORY</b> DIVISION	SR 1818 (JOHNSON STREET) / SR 1850 (SANDY RIDGE ROAD), SR 1820 (SKEET CLUB ROAD) TO SOUTH OF I- 40 IN HIGH POINT. WIDEN TO FOUR LANES. <b><u>TO ALLOW ADDITIONAL TIME TO COMPLETE THE DESIGN PHASE, DELAY RIGHT-OF-WAY FROM FY 19 TO FY 20, AT THE REQUEST OF PROJECT MANAGEMENT UNIT.</u></b>	RIGHT-OF-WAY  UTILITIES CONSTRUCTION	FY 2020 - \$6,776,000 (HP) FY 2020 - \$139,000 (BG5200) FY 2020 - \$1,694,000 (S(M)) FY 2020 - \$1,147,000 (BG5200) FY 2021 - \$8,975,000 (BG5200) FY 2022 - \$8,975,000 (BG5200) FY 2023 - \$8,975,000 (BG5200) FY 2024 - \$8,975,000 (BG5200) \$45,656,000
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## HIGHWAY PROGRAM STIP MODIFICATIONS

### DIVISION 7

U-5898	US 29, NC 150. INTERCHANGE IMPROVEMENTS.	RIGHT-OF-WAY	FY 2020 -	\$40,000	(T)
GUILFORD	<u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u>	UTILITIES	FY 2020 -	\$10,000	(T)
<b>PROJ.CATEGORY</b>	<u>DESIGN, DELAY RIGHT-OF-WAY FROM FY 19 TO FY 20,</u>	CONSTRUCTION	FY 2020 -	\$500,000	(T)
REGIONAL	<u>AT REQUEST OF THE DIVISION OFFICE.</u>			\$550,000	

U-6008	SR 2085 (BRYAN BOULEVARD), NEW GARDEN ROAD AT	RIGHT-OF-WAY	FY 2020 -	\$1,250,000	(T)
GUILFORD	HORSEPEN CREEK ROAD IN GREENSBORO.	UTILITIES	FY 2020 -	\$500,000	(T)
<b>PROJ.CATEGORY</b>	INTERCHANGE IMPROVEMENTS, INCLUDING NEW	CONSTRUCTION	FY 2021 -	\$2,250,000	(T)
DIVISION	RAMP FROM WESTBOUND NEW GARDEN ROAD TO			\$4,000,000	
	WESTBOUND SR 2085.				
	<u>TO ALLOW ADDITIONAL TIME TO COMPLETE THE</u>				
	<u>RIGHT-OF-WAY PHASE, DELAY CONSTRUCTION FROM</u>				
	<u>FY 20 TO FY 21, AT THE REQUEST OF THE DIVISION</u>				
	<u>OFFICE.</u>				

U-6019	SR 2334 (AIR HARBOR ROAD), SR 2347 (LAKE BRANDT	RIGHT-OF-WAY	FY 2019 -	\$25,000	(T)
GUILFORD	ROAD). CONSTRUCT TURN LANES AND SIDEWALKS.	UTILITIES	FY 2019 -	\$50,000	(T)
<b>PROJ.CATEGORY</b>	<u>ACCELERATE RIGHT-OF-WAY FROM FY 20 TO FY 19</u>	CONSTRUCTION	FY 2020 -	\$400,000	(T)
DIVISION	<u>TO MAINTAIN CURRENT PROJECT DELIVERY</u>			\$475,000	
	<u>SCHEDULE, AT REQUEST OF THE DIVISION OFFICE.</u>				

### DIVISION 8

R-3830	NC 42; SR 1579 (BROADWAY ROAD / NORTH MAIN	BUILD NC CONST	FY 2021 -	\$601,000	(T)
LEE	STREET), NC 42, US 421 (HORNER BOULEVARD) IN		FY 2022 -	\$601,000	(T)
<b>PROJ.CATEGORY</b>	SANFORD TO SR 1579 (BROADWAY ROAD) AND SR		FY 2023 -	\$601,000	(T)
DIVISION	1579 (BROADWAY ROAD / NORTH MAIN STREET), NC 42		FY 2024 -	\$601,000	(T)
	(AVENTS FERRY ROAD) TO SR 1538 (EAST		FY 2025 -	\$601,000	(T)
	HARRINGTON AVENUE) IN BROADWAY. WIDEN TO		FY 2026 -	\$601,000	(T)
	MULTILANES.		FY 2027 -	\$601,000	(T)
	<u>TO ALLOW ADDITIONAL TIME FOR UTILITY</u>		FY 2028 -	\$601,000	(T)
	<u>RELOCATION, DELAY CONSTRUCTION FROM FY 20 TO</u>		FY 2029 -	\$601,000	(T)
	<u>FY 21.</u>		POST YR-	\$3,606,000	(T)
		CONSTRUCTION	FY 2021 -	\$8,067,000	(T)
			FY 2022 -	\$8,067,000	(T)
			FY 2023 -	\$8,066,000	(T)
				\$33,215,000	

## HIGHWAY PROGRAM STIP MODIFICATIONS

### DIVISION 8

U-3400	SR 1577 / SR 1004 (ARCHDALE ROAD), US 311 (MAIN STREET) TO EAST OF SPRINGWOOD LANE IN ARCHDALE. WIDEN TO MULTILANES.	RIGHT-OF-WAY	FY 2020 - \$505,000 (T)
GUILFORD			FY 2021 - \$4,798,000 (T)
RANDOLPH			FY 2022 - \$4,797,000 (T)
<b>PROJ.CATEGORY</b>	<b><u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN, DELAY RIGHT-OF-WAY FROM FY 19 TO FY 20, AT REQUEST OF THE DIVISION OFFICE.</u></b>	UTILITIES	FY 2020 - \$95,000 (T)
<b>DIVISION</b>			FY 2021 - \$903,000 (T)
			FY 2022 - \$902,000 (T)
		CONSTRUCTION	FY 2021 - \$10,150,000 (T)
			FY 2022 - \$10,150,000 (T)
			<u>\$32,300,000</u>

U-5864	SR 1595 / SR 4053 (SURRETT DRIVE), I-85 IN TRINITY TO SR 1300 (WEST FAIRFIELD ROAD) IN HIGH POINT. WIDEN TO MULTILANES.	RIGHT-OF-WAY	FY 2020 - \$126,000 (T)
GUILFORD			FY 2021 - \$2,391,000 (T)
RANDOLPH		UTILITIES	FY 2020 - \$302,000 (T)
<b>PROJ.CATEGORY</b>	<b><u>TO ALLOW ADDITIONAL TIME TO COMPLETE PLANNING AND DESIGN, DELAY RIGHT-OF-WAY FROM FY 19 TO FY 20, AT REQUEST OF THE DIVISION OFFICE.</u></b>	CONSTRUCTION	FY 2021 - \$10,640,000 (T)
<b>DIVISION</b>			FY 2022 - \$10,640,000 (T)
			FY 2023 - \$10,640,000 (T)
			<u>\$34,739,000</u>

### DIVISION 9

U-5539A	US 311; SR 4394 (MARTIN LUTHER KING, JR. BOULEVARD), US 158 / US 421 / NC 150 / BUSINESS 40 TO US 52 / NC 8 IN WINSTON-SALEM. STREETSCAPE IMPROVEMENTS.	RIGHT-OF-WAY	FY 2020 - \$500,000 (BGANY)
FORSYTH			FY 2020 - \$100,000 (L)
<b>PROJ.CATEGORY</b>	<b><u>TO ALLOW ADDITIONAL TIME FOR THE CITY TO COMPLETE PLANNING AND DESIGN, DELAY RIGHT-OF-WAY FROM FY 19 TO FY 20 AND CONSTRUCTION FROM FY 20 TO FY 21.</u></b>	CONSTRUCTION	FY 2021 - \$1,750,000 (BGDA)
<b>DIVISION</b>			FY 2021 - \$438,000 (L)
			<u>\$2,788,000</u>

U-5824	NC 66 (OLD HOLLOW ROAD), HARLEY DRIVE TO US 158 IN WALKERTOWN. WIDEN TO MULTILANES.	RIGHT-OF-WAY	FY 2019 - \$348,000 (T)
FORSYTH			FY 2020 - \$3,304,000 (T)
<b>PROJ.CATEGORY</b>	<b><u>ACCELERATE RIGHT-OF-WAY FROM FY 20 TO FY 19 TO REFLECT CURRENT PROJECT DELIVERY SCHEDULE, AT REQUEST OF THE DIVISION OFFICE.</u></b>		FY 2021 - \$3,304,000 (T)
<b>DIVISION</b>		UTILITIES	FY 2019 - \$42,000 (T)
			FY 2020 - \$397,000 (T)
			FY 2021 - \$397,000 (T)
		CONSTRUCTION	FY 2022 - \$7,650,000 (T)
			FY 2023 - \$7,650,000 (T)
			<u>\$23,092,000</u>

## HIGHWAY PROGRAM STIP MODIFICATIONS

### DIVISION 10

EB-5732	BRUTON SMITH BLVD/ CONCORD MILLS BLVD/	CONSTRUCTION	FY 2021 -	\$4,800,000	(TAANY)
CABARRUS	PORTION OF WEDDINGTON ROAD, US 29 TO		FY 2021 -	\$1,200,000	(L)
<b>PROJ.CATEGORY</b>	WEDDINGTON ROAD. CONSTRUCT SIDEWALK ON			<u>\$6,000,000</u>	
DIVISION	BOTH SIDES OF THE ROAD, INCLUDING A PORTION OF				
	WEDDINGTON ROAD.				

**TO ALLOW ADDITIONAL TIME FOR PLANNING AND  
DESIGN DELAY CONSTRUCTION FROM FY 19 TO FY 21**

* I-5769	I-77, I-277 TO 0.7 MILE NORTH OF NC 27. PAVEMENT	GARVEE CONSTR	FY 2020 -	\$637,000	(NHPIM)
MECKLENBURG	REHABILITATION.		FY 2021 -	\$637,000	(NHPIM)
<b>PROJ.CATEGORY</b>	<b><u>PROJECT TO UTILIZE GARVEE BONDS</u></b>		FY 2022 -	\$637,000	(NHPIM)
STATEWIDE			FY 2023 -	\$637,000	(NHPIM)
			FY 2024 -	\$637,000	(NHPIM)
			FY 2025 -	\$637,000	(NHPIM)
			FY 2026 -	\$637,000	(NHPIM)
			FY 2027 -	\$637,000	(NHPIM)
			FY 2028 -	\$637,000	(NHPIM)
			FY 2029 -	\$637,000	(NHPIM)
			POST YR-	\$3,183,000	(NHPIM)
		CONSTRUCTION	FY 2020 -	\$707,000	(NHPIM)
			FY 2020 -	\$1,236,000	(S(M))
			FY 2021 -	<u>\$1,237,000</u>	(S(M))
				\$12,733,000	

* I-5826	I-85, CONCRETE PAVEMENT JOINT AT US 29/NC 49	GARVEE CONSTR	FY 2020 -	\$300,000	(NHPIM)
MECKLENBURG	CONNECTOR TO 0.8 MILES NORTH OF SR 2467		FY 2021 -	\$300,000	(NHPIM)
<b>PROJ.CATEGORY</b>	(MALLARD CREEK CHURCH ROAD). PAVEMENT		FY 2022 -	\$300,000	(NHPIM)
STATEWIDE	PRESERVATION.		FY 2023 -	\$300,000	(NHPIM)
	<b><u>PROJECT TO UTILIZE GARVEE BONDS</u></b>		FY 2024 -	\$300,000	(NHPIM)
			FY 2025 -	\$300,000	(NHPIM)
			FY 2026 -	\$300,000	(NHPIM)
			FY 2027 -	\$300,000	(NHPIM)
			FY 2028 -	\$300,000	(NHPIM)
			FY 2029 -	\$300,000	(NHPIM)
			POST YR-	\$1,500,000	(NHPIM)
		CONSTRUCTION	FY 2020 -	\$333,000	(NHPIM)
			FY 2020 -	\$583,000	(S(M))
			FY 2021 -	<u>\$584,000</u>	(S(M))
				\$6,000,000	

* I-5828	I-485, I-77 TO NC 49. PAVEMENT REHABILITATION.	CONSTRUCTION	FY 2022 -	\$1,500,000	(NHPIM)
MECKLENBURG	<b><u>TO ALLOW ADDITIONAL TIME FOR DESIGN DELAY</u></b>		FY 2023 -	<u>\$1,500,000</u>	(NHPIM)
<b>PROJ.CATEGORY</b>	<b><u>CONSTRUCTION FROM FY 20 TO FY 22</u></b>			\$3,000,000	
STATEWIDE					

## HIGHWAY PROGRAM STIP MODIFICATIONS

### DIVISION 10

* I-5904	I-485, BLAIR ROAD TO IDLEWILD ROAD. PAVEMENT REHABILITATION	GARVEE CONSTR	FY 2020 -	\$781,000	(NHPIM)
MECKLENBURG			FY 2021 -	\$781,000	(NHPIM)
<b>PROJ.CATEGORY</b>	<b><u>PROJECT TO UTILIZE GARVEE BONDS</u></b>		FY 2022 -	\$781,000	(NHPIM)
STATEWIDE			FY 2023 -	\$781,000	(NHPIM)
			FY 2024 -	\$781,000	(NHPIM)
			FY 2025 -	\$781,000	(NHPIM)
			FY 2026 -	\$781,000	(NHPIM)
			FY 2027 -	\$781,000	(NHPIM)
			FY 2028 -	\$781,000	(NHPIM)
			FY 2029 -	\$781,000	(NHPIM)
			POST YR-	\$3,904,000	(NHPIM)
		CONSTRUCTION	FY 2020 -	\$867,000	(NHPIM)
			FY 2020 -	\$1,516,000	(S(M))
			FY 2021 -	<u>\$1,517,000</u>	(S(M))
				\$15,614,000	
* I-5905	I-85, 0.2 MILE WEST OF NC 16 (BROOKSHIRE BOULEVARD) TO CONCRETE PAVEMENT JOINT AT US 29/NC 49 CONNECTOR. PAVEMENT REHABILITATION.	GARVEE CONSTR	FY 2020 -	\$841,000	(NHPIM)
MECKLENBURG			FY 2021 -	\$841,000	(NHPIM)
<b>PROJ.CATEGORY</b>	<b><u>PROJECT TO UTILIZE GARVEE BONDS</u></b>		FY 2022 -	\$841,000	(NHPIM)
STATEWIDE			FY 2023 -	\$841,000	(NHPIM)
			FY 2024 -	\$841,000	(NHPIM)
			FY 2025 -	\$841,000	(NHPIM)
			FY 2026 -	\$841,000	(NHPIM)
			FY 2027 -	\$841,000	(NHPIM)
			FY 2028 -	\$841,000	(NHPIM)
			FY 2029 -	\$841,000	(NHPIM)
			POST YR-	\$4,204,000	(NHPIM)
		CONSTRUCTION	FY 2020 -	\$933,000	(NHPIM)
			FY 2020 -	\$1,633,000	(S(M))
			FY 2021 -	<u>\$1,634,000</u>	(S(M))
				\$16,814,000	
P-5705A	CHARLOTTE, WYE CONNECTION TRACK AT CHARLOTTE JUNCTION	CONSTRUCTION	FY 2020 -	\$432,000	(T)
MECKLENBURG			FY 2020 -	\$500,000	(O)
<b>PROJ.CATEGORY</b>	<b><u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN DELAY CONSTRUCTION FROM FY 19 TO FY 20</u></b>		FY 2021 -	<u>\$7,743,000</u>	(T)
STATEWIDE				\$8,675,000	
U-3467	NC 84, NC 16 TO SR 1008 (WAXHAW-INDIAN TRAIL ROAD) IN WESLEY CHAPEL. CONSTRUCT FOUR LANE ROADWAY, PART ON NEW LOCATION.	CONSTRUCTION	FY 2021 -	\$15,833,000	(BGANY)
UNION			FY 2022 -	\$15,834,000	(BGANY)
<b>PROJ.CATEGORY</b>	<b><u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN DELAY CONSTRUCTION FROM FY 19 TO FY 21</u></b>		FY 2023 -	<u>\$15,833,000</u>	(BGANY)
REGIONAL				\$47,500,000	

## HIGHWAY PROGRAM STIP MODIFICATIONS

### DIVISION 11

B-5527	US 52 (NORTHBOUND LANE), REPLACE BRIDGE 850122	RIGHT-OF-WAY	FY 2020 -	\$400,000	(BGLT5)
SURRY	OVER TOMS CREEK AND REPLACE BRIDGE 850342	CONSTRUCTION	FY 2021 -	\$2,000,000	(BGLT5)
<b>PROJ.CATEGORY</b>	OVER OLD US 52 SOUTHBOUND EXIT RAMP.		FY 2022 -	\$2,000,000	(BGLT5)
STATEWIDE	<b><u>TO ALLOW ADDITIONAL TIME FOR DESIGN DELAY</u></b>			\$4,400,000	
	<b><u>CONSTRUCTION FROM FY 20 TO FY 21</u></b>				

* EB-5924	TOWN OF BLOWING ROCK, MIDDLE FORK GREENWAY,	ENGINEERING	FY 2019 -	\$95,000	(FLAP)
WATAUGA	SECTION 1. CONSTRUCT GREENWAY. NC FLAP		FY 2019 -	\$23,000	(L)
<b>PROJ.CATEGORY</b>	BLWRK 321(1)	RIGHT-OF-WAY	FY 2020 -	\$73,000	(FLAP)
EXEMPT	<b><u>ADD PRELIMINARY ENGINEERING IN FY 19 AND RIGHT-</u></b>		FY 2020 -	\$17,000	(L)
	<b><u>OF-WAY IN FY 20 NOT PREVIOUSLY PROGRAMMED.</u></b>	CONSTRUCTION	FY 2020 -	\$1,624,000	(FLAP)
			FY 2020 -	\$245,000	(L)
			FY 2020 -	\$145,000	(S(M))
				\$2,222,000	

### DIVISION 12

EB-5750	MAIN AVENUE NW/NE, 7TH AVENUE NE TO 9TH	CONSTRUCTION	FY 2019 -	\$3,600,000	(BGANY)
CATAWBA	STREET NW. CONSTRUCT GREENWAY WITH PARK		FY 2019 -	\$7,680,000	(TAANY)
<b>PROJ.CATEGORY</b>	NODES AND PEDESTRIAN BRIDGE OVER NC 127.		FY 2019 -	\$2,820,000	(L)
DIVISION	<b><u>TO ALLOW ADDITIONAL TIME FOR DESIGN DELAY</u></b>			\$14,100,000	
	<b><u>CONSTRUCTION FROM FY 18 TO FY 19</u></b>				

### DIVISION 13

EB-5978	COLLEGE STREET MULTIMODAL CONNECTOR, NORTH	ENGINEERING	FY 2019 -	\$249,000	(TAANY)
BURKE	GREEN STREET TO US 70 IN MORGANTON.		FY 2019 -	\$63,000	(L)
<b>PROJ.CATEGORY</b>	CONSTRUCT MULTI-USE PATH.	RIGHT-OF-WAY	FY 2020 -	\$80,000	(TAANY)
DIVISION	<b><u>ACCELERATE CONSTRUCTION FROM FY 21 TO FY 20</u></b>		FY 2020 -	\$20,000	(L)
	<b><u>AT REQUEST OF MPO.</u></b>	CONSTRUCTION	FY 2020 -	\$2,320,000	(TAANY)
			FY 2020 -	\$580,000	(L)
				\$3,312,000	

### DIVISION 14

B-5550	BREVARD, REPLACE BRIDGE 870102 ON RAILROAD	RIGHT-OF-WAY	FY 2019 -	\$120,000	(BG5200)
TRANSYLVANIA	AVENUE OVER KINGS CREEK.		FY 2019 -	\$30,000	(L)
<b>PROJ.CATEGORY</b>	<b><u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u></b>	CONSTRUCTION	FY 2020 -	\$600,000	(BG5200)
DIVISION	<b><u>DESIGN DELAY CONSTRUCTION FROM FY 19 TO FY 20</u></b>		FY 2020 -	\$150,000	(L)
				\$900,000	

## HIGHWAY PROGRAM STIP MODIFICATIONS

### DIVISION 14

EB-5923	SR 1432 (SKYLAND DRIVE), SR 1429 (CHIPPER CURVE	CONSTRUCTION	FY 2020 -	\$271,000	(TALT5)
JACKSON	ROAD) TO US 23 BUSINESS. CONSTRUCT SIDEWALK.		FY 2020 -	\$68,000	(L)
<b>PROJ.CATEGORY</b>	<b><u>TO ALLOW ADDITIONAL TIME FOR DESIGN DELAY</u></b>				
DIVISION	<b><u>CONSTRUCTION FROM FY 19 TO FY 20</u></b>			\$339,000	

* R-5865	US 276, US 64 TO AVERY CREEK TRAIL HEAD. WIDEN	ENGINEERING	FY 2019 -	\$200,000	(FLAP)
TRANSYLVANIA	TO 3-LANES WITH BICYCLE LANES.		FY 2019 -	\$50,000	(S(M))
<b>PROJ.CATEGORY</b>	<b><u>TO ALLOW ADDITIONAL TIME FOR DESIGN DELAY</u></b>	CONSTRUCTION	FY 2022 -	\$2,520,000	(FLAP)
EXEMPT	<b><u>CONSTRUCTION FROM FY 20 TO FY 22</u></b>		FY 2022 -	\$630,000	(S(M))
				\$3,400,000	

## STIP DELETIONS

### DIVISION 5

* U-5927B	SR 2768 / SR 5056 NORTH JUDD PKWY NE, NORTH OF	RIGHT-OF-WAY	FY 2020 -	\$450,000	(L)
WAKE	INTERSECTION OF SR 5056 (N. JUDD PARKWAY NE)	CONSTRUCTION	FY 2020 -	\$900,000	(L)
<b>PROJ.CATEGORY</b>	AND SR 1402 (E. BROAD STREET) TO PRODUCTS ROAD			\$1,350,000	
DIVISION	<b><u>DELETE PROJECT BREAK AT THE REQUEST OF MPO.</u></b>				

### DIVISION 10

* EB-5776	CORNELIUS, NC 115 SIDEWALK AND BIKE LANE	CONSTRUCTION	FY 2019 -	\$246,000	(BGDA)
MECKLENBURG	MODERNIZATION (SMITH ROAD - POTTS STREET).		FY 2019 -	\$61,000	(L)
<b>PROJ.CATEGORY</b>	<b><u>DELETE AT THE REQUEST OF DIVISION.</u></b>			\$307,000	
DIVISION					

### DIVISION 12

* U-6136	NC 27 (EAST MAIN STREET), SR 1294 (LITHIA INN	RIGHT-OF-WAY	FY 2025 -	\$1,000,000	(T)
LINCOLN	ROAD) INTERSECTION. ADD NORTHBOUND TURN	UTILITIES	FY 2025 -	\$500,000	(T)
<b>PROJ.CATEGORY</b>	LANE FROM NC 27 (EAST MAIN STREET) TO SR 1294	CONSTRUCTION	FY 2026 -	\$1,000,000	(T)
REGIONAL	(LITHIA INN ROAD).			\$2,500,000	
	<b><u>DELETE, WORK TO BE ACCOMPLISHED UNDER</u></b>				
	<b><u>PROJECT U-6140</u></b>				



## HIGHWAY PROGRAM STIP DELETIONS

### DIVISION 12

* U-6137	NC 27 (EAST MAIN STREET), US 321 BUS TO NC 150	RIGHT-OF-WAY	FY 2025 -	\$2,000,000	(T)
LINCOLN	(EAST). CONSTRUCT ACCESS MANAGEMENT AND	UTILITIES	FY 2025 -	\$500,000	(T)
<b>PROJ.CATEGORY</b>	INTERSECTION IMPROVEMENTS. INCLUDES	CONSTRUCTION	FY 2027 -	\$6,000,000	(T)
REGIONAL	CONSTRUCTION OF NORTHBOUND TURN LANE FROM		FY 2028 -	\$6,000,000	(T)
	SR 1294 (LITHINA INN ROAD) TO NC 27 (E MAIN			\$14,500,000	
	STREET) AND WIDENING OF BRIDGE #540042 OVER				
	SEABOARD RR ON NC 150.				

**DELETE, WORK TO BE ACCOMPLISHED UNDER  
PROJECT U-6140**

### **ITEM N SUMMARY**

ADDITIONS	2	PROJECTS	\$5,875,000
MODIFICATIONS	47	PROJECTS	
DELETIONS	4	PROJECTS	\$18,657,000
	53	PROJECTS	(\$12,782,000)

NCDOT Board of Transportation Agenda Item O June 6, 2019

SUMMARY: There are a total of 57 agreements for approval by the Board of Transportation.

**Division 1**

Elizabeth City State University  
(High School Program)  
Pasquotank County  
M-0460AJ  
50084.1.19

This Agreement is to provide a National Summer Transportation Institute curriculum targeted for high school and middle school students related to transportation career opportunities. The Department shall reimburse the University 100% of the approved eligible costs up to the maximum federal and state award amount of \$49,777.

Elizabeth City State University  
(Middle School Program)  
Pasquotank County  
M-0460AK  
50084.1.20

This Agreement is to provide a National Summer Transportation Institute curriculum targeted for high school and middle school students related to transportation career opportunities. The Department shall reimburse the University 100% of the approved eligible costs up to the maximum federal and state award amount of \$59,595.

Roanoke Chowan Community  
College  
Chowan County  
M-0460AL  
50084.1.24

This Agreement is to provide a National Summer Transportation Institute curriculum targeted for high school and middle school students related to transportation career opportunities. The Department shall reimburse the University 100% of the approved eligible costs up to the maximum federal and state award amount of \$51,889.

Albemarle Commission  
Perquimans County  
EB-6033G  
48778.4.8

The Project consists of the implementation of programs and activities, including education, encouragement, enforcement and evaluation strategies to increase the safety and convenience for children to walk and/or bicycle to school. The Commission is responsible for all phases. The Department will reimburse 80% of eligible costs from TAP funds up to \$286,077. The Commission will provide the 20% non-federal match or \$71,520.

**Division 2**

Town of Beaufort  
Carteret County  
U-6058  
47482.3.1

This Project consists of improvements on US 70 (Live Oak Street) at NC 101 in Beaufort. At the request of the Municipality, the Department shall include the construction of pedestrian facilities and betterments. The estimated reimbursement from the Municipality is \$21,927. This Agenda item supersedes the item that was approved by the BOT on November 8, 2018.

NCDOT Board of Transportation Agenda Item O June 6, 2019

**Division 2 cont.**

City of Kinston  
Lenoir County  
48779

This Project consists of rebuilding and stabilizing stream bank, erosion control, and wooden retaining walls along Massey Drive in Kinston. The Municipality will perform the work. The Department shall participate in the construction costs of the Project not to exceed \$177,640. Costs which exceed this amount shall be borne by the Municipality.

**Division 3**

New Hanover County  
EB-6027  
48748.1.1

This Project consists of construction of a multi-use path along Middle Sound Loop Road and Lendire Road. The County is responsible for the Project. This Agreement is for Design and Environmental Documentation. The Department shall reimburse 80% of approved eligible expenses from federal funds, not to exceed \$244,000. The County shall provide the 20% (\$61,000) non-federal match and all costs that exceed the total estimated cost of \$305,000.

New Hanover County  
B-4590  
38420.3.1

This Project consists of the replacement of Bridge No. 29 over SR 2812. The Department is responsible for the Project. At the request of the County, the Department shall include the construction of pedestrian facilities within the Project limits. The County shall reimburse the Department 50% of the actual costs of the pedestrian facilities. The estimated reimbursement is \$3,500.

City of Wilmington  
New Hanover County  
B-4590  
38420.3.1

This Project consists of the replacement of Bridge No. 29 over SR 2812. The Department is responsible for the Project. At the request of the Municipality, the Department shall include the construction of pedestrian facilities within the Project limits. The Municipality shall reimburse the Department 50% of the actual costs of the pedestrian facilities. The estimated reimbursement is \$8,750.

City of Wilmington  
New Hanover County  
U-5729  
54020.1.1

This Project consists of improvements on US 421 (Carolina Beach Road) from US 421 (Burnett Avenue) at US 117 (Shipyard Boulevard) in Wilmington. This Agreement is for Design and Environmental Documentation. The Department is responsible for the Project. At the request of the Municipality, the Department shall design the streetscape betterments for the Project. The Municipality will reimburse the Department 100% for the work. The estimated reimbursement for the design work is \$191,527.

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**Division 3 cont.**

Town of Carolina Beach  
New Hanover County  
EB-6029  
48750.1.1  
48750.3.1

This Project consists of the construction of a multi-use path along Clarendon Avenue from 4<sup>th</sup> Street to SR 1573 (Dow Road) in Carolina Beach. The Municipality is responsible for the Project. The Department shall reimburse 80% of approved eligible expenses from federal funds, not to exceed \$545,000. The Municipality shall provide the 20% (\$136,250) non-federal match and all costs that exceed the total estimated cost of \$681,250.

Town of Surf City  
Pender County  
48710

This Project consists of a feasibility study and design for the Surf City Infiltration System Project along NC 50. The Municipality shall perform the study. The Department shall participate in the costs of the Project not to exceed \$36,752. Costs which exceed this amount shall be borne by the Municipality.

CSX Transportation, Inc. (CSXT)  
New Hanover County  
P-5740  
48156.1.1

The Department and CSXT, on November 4, 2011, entered into a Master Engineering Agreement (MEA) which detailed the terms and conditions by which CSXT would proceed with necessary engineering and/or design services for various rail improvements within the State. The MEA stipulated that a request for CSXT to perform design review and/or work for each individual rail improvement project would be identified through a separate written agreement to the MEA. This Addendum #17 to the MEA provides the terms for CSXT to review the design plans for the proposed improvements between Davis Yard and 3rd Street in the City of Wilmington to increase train speed from 10 mph to 25 mph. Said improvements shall include, but not limited to, tie and rail rehabilitation, highway grade crossing surfaces, curve re-alignment, upgrading switch operations, closing of 3 existing at-grade crossings, and improving 23 at-grade crossings. The Department will prepare and submit the plans to CSXT for review and approval. CSXT will review the Department's plans and will be responsible for preparing the project's railroad signal plans. The Department will reimburse CSXT 100% of the cost of work performed by CSXT. The estimated cost of the work is \$1,500,000.

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**Division 4**

City of Rocky Mount  
Nash County  
U-5026/U-5996/R-5720  
44033.3.3

This Design-Build Project consists of roadway improvements on SR 1770 from west of SR 1003 to east of SR 1544; SR 1603 from south of SR 1770 to north of US 64 and from north of US 64 to north of SR 1601/SR 1609. At the request of the Municipality, the Department shall include in its construction contract the construction of pedestrian facilities within the project limits. The Municipality shall pay a lump sum payment of \$190,469 for the additional work as requested by the Municipality.

Town of Clayton  
Johnston County  
R-5784DI  
44914.3.17

This Project consists of curb ramp upgrades to construct ADA compliant curb ramps in Clayton. The Department will perform the work, including the work on non-system streets. For the non-system streets, the Department will participate in 80% (\$83,700) in federal funds. The Municipality shall provide the 20% (\$20,925) non-federal match for the work performed on the non-system streets and all costs that exceed the total available funding.

**Division 5**

City of Raleigh  
Wake County  
U-5118OA  
42379.3.36  
42379.3.39

This Project consists of resurfacing and restriping modifications for additional bike lanes on Blount Street, Person Street and Hoke Road, to Wake Forest Road; and the conversion of Wake Forest Road to 3-lanes with bike lanes. This Supplemental Agreement is to increase the federal funding for the Project. The Department will reimburse an additional \$521,375 and the Municipality will provide the local match and any costs that exceed the total available funding of \$3,264,900.

City of Raleigh  
Wake County  
U-6095  
47915.1.1  
47915.2.1  
47915.3.1

The Project consists of the construction of a third lane on New Bern Avenue to provide a consistent three lanes eastbound and eliminate a bottleneck in Raleigh. The Department shall reimburse 80% of eligible expenses incurred by the Municipality not to exceed \$410,000 and the Municipality shall provide the 20% non-federal match of \$102,500 and any costs that exceed the total available funding of \$512,500.

Vance Granville Community  
College  
Vance County  
M-0460EB  
50084.1.23

This Agreement is to provide a National Summer Transportation Institute curriculum targeted for high school and middle school students related to transportation career opportunities. The Department shall reimburse the University 100% of the approved eligible costs up to the maximum federal and state award amount of \$30,485.

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**Division 5 cont.**

City of Creedmoor  
Granville County  
C-5166A  
46232.1.1  
46232.2.F1  
46232.3.3

This Project consists of the design and construction of the eastern portion of bike and pedestrian trail system near the NC 56 Corridor in Creedmoor. This Supplemental Agreement is to increase funding for the Project. The Department shall reimburse 80% of eligible expenses incurred by the Municipality not to exceed \$2,270,155. The Municipality shall provide a 20% non-federal match, or \$567,539 and any costs that exceed the total available funding of \$2,837,694.

City of Creedmoor  
Granville County  
C-5166B  
46232.1.2  
46232.2.F2  
46232.3.4

This Project consists of the design and construction of the western portion of bike and pedestrian trail system near the NC 56 Corridor in Creedmoor. This Supplemental Agreement is to increase funding for the Project. The Department shall reimburse 80% of eligible expenses incurred by the Municipality not to exceed \$1,581,576. The Municipality shall provide a 20% non-federal match, or \$395,394 and any costs that exceed the total available funding of \$1,976,970.

Town of Morrisville  
Wake County  
U-5827  
44400.1.1  
44400.2.1  
44400.3.1

This Project consists of the construction of new roadway along SR 1632 (Louis Stephens Drive) from Poplar Pike Lane to SR 2123 (Little Drive). As part of the project, the Municipality has requested the installation of pedestrian betterments including mast arm signals. The Municipality will pay 100% of the costs of the betterments, estimated at \$350,800. This item supersedes the original Agreement adopted on 10/4/2018.

City of Raleigh  
Wake County  
P-5715  
46927.3.1

This Utility Construction Agreement (UCA) is for adjustment and relocation of water and sewer lines as part of the New Hope Church Road Grade Separation over CSX Railroad Crossing No. 630 at Mile Post S152.32. The Municipality shall be 100% responsible for the cost of the water and sewer. The estimated cost is \$2,067,395.50.

Wake County Human Services  
Wake County  
EB-6033A  
48778.4.2

The Project consists of the implementation of programs and activities, including education, encouragement, enforcement and evaluation strategies to increase the safety and convenience for children to walk and/or bicycle to school. The County is responsible for all phases. The Department will reimburse 80% of eligible costs from TAP funds up to \$300,000. The County will provide the 20% non-federal match (\$75,000).

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**Division 5 cont.**

City of Durham  
Durham County  
EB-6033E  
48778.4.6

The Project consists of the implementation of programs and activities, including education, encouragement, enforcement and evaluation strategies to increase the safety and convenience for children to walk and/or bicycle to school. The Municipality is responsible for all phases. The Department will reimburse 80% of eligible costs from TAP funds up to \$120,000. The Municipality will provide the 20% non-federal match (\$30,000).

Triangle J Council of  
Governments  
Durham County  
EB-6033I  
48778.4.10

The Project consists of the implementation of programs and activities, including education, encouragement, enforcement and evaluation strategies to increase the safety and convenience for children to walk and/or bicycle to school. The COG is responsible for all phases. The Department will reimburse 80% of eligible costs from TAP funds up to \$229,499. The COG will provide the 20% non-federal match (\$57,375).

Kerr-Tar Council of  
Governments  
Vance County  
EB-6033J  
48778.4.11

The Project consists of the implementation of programs and activities, including education, encouragement, enforcement and evaluation strategies to increase the safety and convenience for children to walk and/or bicycle to school. The COG is responsible for all phases. The Department will reimburse 80% of eligible costs from TAP funds up to \$240,000. The COG will provide the 20% non-federal match (\$60,000).

**Division 6**

City of Fayetteville  
Cumberland County  
EB-6030  
48751.1.1  
48751.2.1  
48751.3.1

The Project consists of construction of sidewalk along US 401 Bypass (Skibo Road) from Richwood Court to NC 24 (Bragg Boulevard) in Fayetteville. The Department shall reimburse 80% of eligible expenses not to exceed \$480,000 in federal funds. The Municipality shall provide the 20% non-federal match (\$120,000), and all costs that exceed the total estimated cost of \$600,000.

City of Fayetteville  
Cumberland County  
EB-6031  
48752.3.1

The Project consists of construction of sidewalks along US 401 (Ramsey Street) from Summerchase Drive to SR 1611 (Andrews Road) in Fayetteville. The Department shall reimburse 80% of eligible expenses not to exceed \$68,000 in federal funds. The Municipality shall provide the 20% non-federal match (\$17,000), and all costs that exceed the total estimated cost of \$85,000.

NCDOT Board of Transportation Agenda Item O June 6, 2019

**Division 6 cont.**

City of Fayetteville  
Cumberland County  
EB-6032  
48753.2.1  
45753.3.1

The Project consists of construction of sidewalks along NC 59 (Hope Mills Road) from the city limits to Sumac Circle in Fayetteville. The Department shall reimburse of eligible expenses not to exceed 80% (\$281,000) in federal funds. The Municipality shall provide the 20% (\$70,250) non-federal match and all costs that exceed the total estimated cost of \$351,250.

City of Fayetteville  
Cumberland County  
U-5528FA  
50078.2.3  
50078.3.3

This Project consists of the construction of sidewalk along the eastern side of Rosehill Road from Country Club Drive northward to Shaw Mill Road in Fayetteville. This Supplemental Agreement is to increase funding for the Project. The Department will reimburse the Municipality an additional \$240,000 (80%) of federal funds. The Municipality will provide \$60,000 (20%) as their local match and all costs that exceed available funding.

University of North Carolina at  
Pembroke  
Robeson County  
M-0460FC  
50084.1.22

This Agreement is to provide a National Summer Transportation Institute curriculum targeted for high school and middle school students related to transportation career opportunities. The Department shall reimburse the University 100% of the approved eligible costs up to the maximum federal and state award amount of \$39,269.

**Division 7**

Town of Jamestown  
Guilford County  
C-5700  
46416.1.1  
46416.2.1  
46416.3.1

This Project consists of the construction of 5 'wide sidewalk to connect residential neighborhoods to downtown Jamestown businesses while providing a safe walking route across railroad tracks. This Supplemental Agreement is to change the scope to delete the crossing of the railroad tracks.

Town of Chapel Hill  
Orange County  
EB-4707A  
38664.1.1  
38664.2.FD1  
38664.3.3

This Project consists of the construction of bicycle and pedestrian improvements along SR 2220 (Old Chapel Hill Road)/SR 1838 (Old Durham Rd) from US 15/US 501 in Orange County to SR 1113 in Durham County. This Supplemental Agreement is to finalize the amount of funding available for the ROW and Construction phases of the Project, based on the low bid. The Department will participate in 80% of the Project costs with federal funding allocated by DCHC MPO and the Municipality will provide the 20% non-federal match and all costs that exceed the total available funding.



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**Division 7 cont.**

Town of Chapel Hill  
Orange County  
U-5543  
50109.1.F1  
50109.3.1

This Project is for variable message signs for traffic management on major corridors in Chapel Hill. The Department shall reimburse 80% in federal funds up to a maximum amount \$1,301,000. The Municipality will provide the 20% non-federal match (\$325,250) and all costs that exceed the total available funding.

City of Greensboro  
Guilford County  
B-5553  
46311.1.F1  
46311.2.1  
46311.3.1

This Project consists of replacement of bridge 400098 on Ballenger Road over a tributary of Horsepen Creek in Greensboro. This Supplemental Agreement is to increase the funding for the Project. The Department agrees to reimburse the Municipality an additional 80% (\$2,123,300) of federal funds. The Municipality will provide 20% (\$530,800) as their local match and all costs that exceed the total available funding.

City of Greensboro  
Guilford County  
C-5555E  
45540.1.6  
45540.1.6  
45540.1.6

This Project consists of construction of sidewalk along College Road on the east side from Guida Drive to Friendly Avenue and along New Garden Road on the west side from Friendly Avenue to Ballinger Road in Greensboro. This Supplemental Agreement is to increase the funding for the Project. The Department agrees to reimburse the Municipality an additional 80% (\$589,631) of federal funds. The Municipality will provide an additional 20% (\$147,408) as their local match and all costs that exceed the total available funding.

City of Greensboro  
Guilford County  
EB-6033F  
48778.4.7

The Project consists of the implementation of programs and activities, including education, encouragement, enforcement and evaluation strategies to increase the safety and convenience for children to walk and/or bicycle to school. The Municipality is responsible for all phases. The Department will reimburse 80% of eligible costs from TAP funds up to \$240,000. The Municipality will provide the 20% non-federal match or \$60,000 and all costs that exceed the total available funding.

NC A&T State University  
Guilford County  
M-0460GD  
50084.1.21

This Agreement is to provide a National Summer Transportation Institute curriculum targeted for high school and middle school students related to transportation career opportunities. The Department shall reimburse the University 100% of the approved eligible costs up to the maximum federal and state award amount of \$63,168.

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**Division 8**

Hoke County Health Department Hoke County EB-6033H 48778.4.9	The Project consists of the implementation of programs and activities, including education, encouragement, enforcement and evaluation strategies to increase the safety and convenience for children to walk and/or bicycle to school. The County is responsible for all phases. The Department will reimburse 80% of eligible costs from TAP funds up to \$240,000. The County will provide the 20% non-federal match or \$60,000.
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**Division 9**

Town of Lewisville Forsyth County U-6154 48436.1.1 48436.2.1 48436.3.1	This Project consists of converting the existing signalized intersection to a single lane roundabout at SR 1308 (Lewisville-Vienna Road) and SR 1348 (Robinhood Road) in Lewisville. The Department shall reimburse 80% of eligible expenses not to exceed \$1,016,000 in federal funds. The Municipality shall provide the 20% non-federal match (\$254,000), and all costs that exceed the total estimated cost of \$1,270,000.
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City of Winston-Salem Forsyth County C-5620H 43740.3.7	This Project consists construction of a left turn lane and bike and pedestrian facilities on Meadowlark Drive from Country Club Road to Robinhood Road. The Department shall reimburse 80% of eligible expenses not to exceed \$1,469,082 in federal funds. The Municipality shall provide the 20% non-federal match (\$367,271), and all costs that exceed the total estimated cost of \$1,836,353.
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City of Winston-Salem Forsyth County U-6155 48437.1.1 48437.3.1	This Project consists of pedestrian intersection improvements. The Municipality is responsible for all phases of the Project. The Department shall reimburse 80% of eligible expenses not to exceed \$170,000 in federal funds The Municipality shall provide the 20% non-federal match of \$75,000 and all costs that exceed the total available funding of \$206,250.
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Winston-Salem University Forsyth County M-0460IA 50084.1.25	This Agreement is to provide a National Summer Transportation Institute curriculum targeted for high school and middle school students related to transportation career opportunities. The Department shall reimburse the University 100% of the approved eligible costs up to the maximum federal and state award amount of \$36,106.
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**Division 9, cont.**

Town of Walkertown  
Forsyth County  
EB-5956  
48432.1.1  
48432.2.1  
48432.3.1

This Project consists of the construction of 1,350 linear feet of multi-use pedestrian path in Walkertown. The Department shall reimburse 80% of eligible expenses not to exceed \$504,000 in federal funds. The Municipality shall provide the 20% non-federal match (\$126,000), and all costs that exceed the total estimated cost of \$630,000.

City of Winston-Salem  
Forsyth County  
EB-6033D  
48778.4.5

The Project consists of the implementation of programs and activities, including education, encouragement, enforcement and evaluation strategies to increase the safety and convenience for children to walk and/or bicycle to school. The Municipality is responsible for all phases. The Department will reimburse 80% of eligible costs from TAP funds up to \$200,880. The Municipality will provide the 20% non-federal match of \$50,220 and all costs that exceed the total estimated cost of \$251,100.

**Division 10**

Town of Davidson  
Mecklenburg County  
48735

This Project consists of installing RRFB's (Rapid Response Flashing Beacons) at four crosswalk intersections in Davidson: Beaty Street (SR 6039) and Magnolia Street; Concord Road (SR 2693) and Baker Drive; South Main Street (NC 115) and Eugenia Street; and North Main Street (NC 115) and Glasgow Street. The Municipality shall perform the work. The Department shall participate in the costs of the Project in an amount not to exceed \$100,000. Costs which exceed this amount shall be borne by the Municipality.

Mecklenburg County  
EB-5782  
44524.1.1  
44524.3.1

This Project consists of construction of a multi-use greenway from Green Rea Road to Four Mile Creek Greenway. The County is responsible for all phases of the Project. The Department shall reimburse a percentage of approved eligible expenses from federal funding sources not to exceed \$5,773,900. The Municipality will be responsible for providing the non-federal match allocation, not to exceed \$2,102,100 and all costs that exceed the total available funding of \$7,876,000.

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**Division 10, cont.**

DPR Construction (Lessee)  
Mecklenburg County  
32213

This Agreement consists of the term and conditions for the Lessee to lease property from the Department. The Department will lease to the Lessee a cement pad left over from the old Ferguson Building at the Department's LRMF facility in Charlotte for a laydown/construction staging site in Charlotte. The Lease will become effective in May 2019 and shall continue through May 2020. The Lease may be renewed for 2 additional six-month periods if mutually agreeable to both parties. Lease payments will be \$1,500 per month through the entire lease period, with the first payment due when the lease is signed by the Lessee.

John C Smith University  
Mecklenburg County  
M-0460JA  
50084.1.26

This Agreement is to provide a National Summer Transportation Institute curriculum targeted for high school and middle school students related to transportation career opportunities. The Department shall reimburse the University 100% of the approved eligible costs up to the maximum federal and state award amount of \$54,397.

Cabarrus Health Alliance  
Cabarrus County  
EB-6033C  
48778.4.4

The Project consists of the implementation of programs and activities, including education, encouragement, enforcement and evaluation strategies to increase the safety and convenience for children to walk and/or bicycle to school. The Alliance is responsible for all phases. The Department will reimburse 80% of eligible costs from TAP funds up to \$252,000. The Alliance will provide the 20% non-federal match or \$63,000.

**Division 11**

Town of Beech Mountain  
Avery County  
44480

This Project consists of construction of a sidepath along NC 184 (Beech Mountain Parkway) from 0.2 miles north of south town limit to 0.6 miles north of south town limit. The Municipality is responsible for the project. This Supplemental Agreement is to increase funding. The Department shall provide an additional \$65,000 in project funds for a total participation of \$315,000.

Town of Sparta  
Alleghany County  
2020CPT.11.12.10031

This Project consists of resurfacing improvements on US 21 from north of SR 1171 to Trojan Avenue (non-system) in Sparta. The Municipality will perform the work. The Department will participate in the costs of the project in an amount not to exceed \$295,000. Costs that exceed this amount shall be borne by the Municipality.

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**Division 12**

Town of Mooresville  
Iredell County  
R-2307B  
37944.3.4

This Project consists of improvements on NC 150 from SR 1902 (Harvel Road) in Catawba County to I-77 in Iredell County. This Utility Construction Agreement is for the Department's contractor to adjust and/or relocate water and sewer lines. The Municipality shall be responsible for actual costs of the work. The estimated reimbursement is \$2,525,358.

City of Conover  
Catawba County  
C-5624  
46405.1.1  
46405.3.1

This Project consists of 1st Street East and West congestion mitigation, pedestrian expansion and bike lane improvements Project from south of I-40 Exit 130 and south east through downtown along Old 70 to Thornburg Drive (new highway 16) intersection. The Department shall reimburse 80% of eligible expenses not to exceed \$1,894,080 in federal funds. The Municipality shall provide the 20% non-federal match (\$473,520), and all costs that exceed the total estimated cost of \$2,367,600.

**Division 14**

Town of Franklin  
Macon County  
R-5734B  
50192.3.2

This Project consists of improvements on US 441 from south of Cheek Road to south of Belden Circle. The Department is responsible for the Project. At the request of the Municipality, the Department shall include the construction of pedestrian facilities within the Project limits. The Department will participate in 80% (\$145,440) of the costs of the pedestrian facilities. The Municipality shall reimburse the Department 20% (\$36,360) of the actual costs and all costs that exceed the total estimated cost of \$181,800.

Town of Franklin  
Macon County  
R-5794C  
44910.3.5

This Project consists of upgrades to existing curb ramps and crosswalks in Franklin. The Department is responsible for the Project. At the request of the Municipality, the Department shall include in its construction contract stamped crosswalk betterments within the Project limits. The Municipality will reimburse the Department 100% for the betterments. The estimated reimbursement is \$22,000.

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**Division 14, cont.**

Jackson County Health  
Department  
Jackson County  
EB-6033B  
48778.4.3

The Project consists of the implementation of programs and activities, including education, encouragement, enforcement and evaluation strategies to increase the safety and convenience for children to walk and/or bicycle to school. The County is responsible for all phases. The Department will reimburse 80% of eligible costs from TAP funds up to \$240,000. The County will provide the 20% non-federal match or \$60,000 and all costs that exceed the total estimated cost of \$300,000.

NCDOT Board of Transportation Agenda Item O June 6, 2019

SUMMARY: There are a total of 11 agreements for informational purposes only.

**Division 2**

Town of Grimesland  
Pitt County  
SS-4902DD  
48452.3.1

This Project consists of installing landscape plantings in the median of NC 33 in the town limits of Grimesland. The Department will perform the work. The Municipality shall be responsible for maintenance of the landscaping improvements.

Town of Ayden  
Pitt County  
R-2250  
34411.3.7

This Project consists of installing landscape plantings along NC 102 between the newly constructed NC 11 and existing NC 11 in Ayden. The Department will perform the work. The Municipality shall be responsible for maintenance of the landscaping improvements.

**Division 4**

City of Rocky Mount  
Nash County  
4RE.106415

This Project consists of routine mowing maintenance within the municipal limits of Rocky Mount. The Municipality shall perform the work. The Department shall reimburse the Municipality not to exceed \$3,192 for the mowing services.

**Division 5**

Town of Cary  
Wake County  
36249.4017

The Project consists of widening SR 1624 (Carpenter Fire Station Road) from NC 55 to Cameron Pond Drive to a four lane median divided typical section with multi-use trail and sidewalk on the north and south sides of the roadway in Cary. This Agreement is for NCDOT review and oversight of the planning, environmental documentation and preliminary design process. The Municipality shall reimburse the Department 100% of the actual cost of the review and oversight. The estimated cost is \$10,000.

**Division 6**

University of North Carolina at  
Pembroke  
Robeson County  
U-5925(L)  
46874.3.2

This Project consists of landscape plantings and irrigation along the median of SR 1340 (North Odum St/Prospect St) from SR 1566 (Corinth St) to NC 711 (Third St). The Department shall install the plantings and the Municipality will maintain them after a one year establishment period.

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**Division 7**

City of High Point  
Guilford County  
SS-4907B  
48252.3.1

This Project consists of a traffic signal installation at the intersection of SR 1278 (University Parkway) and Davis Avenue in High Point. The signal will include fluted mast arm poles requested by the Municipality in lieu of metal strain poles. The Municipality will reimburse the Department the difference in cost for \$11,171.

**Division 9**

Town of Danbury  
Stokes County  
48462

This Project consists of pedestrian safety improvements including ADA wheelchair ramps and four rapid flashing beacons on NC 8/89 at Bank Street and Camping Creek Island Road in Danbury. The Municipality is responsible for all phases of the work except construction. The Department will construct the Project up to a maximum actual construction cost of \$212,000. Costs which exceed this amount shall be borne by the Municipality.

Town of Kernersville  
Forsyth County  
36249.4016

This Project consists of installing Fire Emergency Preemption equipment, utilizing fiber from the new Fire House located on NC 66 to South Park Drive in Kernersville. The Municipality shall reimburse the Department 100% of the actual cost of all work performed by the Department. The estimated cost is \$6,500.

City of Winston-Salem  
Forsyth County  
U-2925(L)  
34892.2.4

The Project consists of creating a new design and installing new plantings for the U-2925 (US-52/Salem Creek Connector) Project in Winston-Salem. The Department shall develop the landscape design, plans and install the plantings. At the end of the 1 year establishment period the Municipality will maintain all plantings.

Stokes County  
36249.3953

This Project consists of paving and resurfacing the Stokes County Government Center parking lots. This Supplemental Agreement is to expand the scope and increase the funding for the Project. The work will be expanded to provide additional milling and paving on Bank Street and at the Old School site. The County shall reimburse the Department 100% of the actual cost of the work. The increased cost for the additional work is \$97,456.



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**Division 10**

Village of Marvin  
Union County  
10RE.209015

This Project consists of routine mowing maintenance within the municipal limits of Marvin. The Municipality will perform the work. The Department shall participate in the costs of the Project in an amount not to exceed \$144.18. Costs which exceed this amount shall be borne by the Municipality.

# NCDOT June 2019 Board of Transportation Agenda

## Approval of Municipal Street System Changes

### Addition to the State Highway System

Div	County	Municipality	Road	Termini	Length
5	Wake	Town of Fuquay-Varina	North Judd Parkway Northeast	To add North Judd Parkway Northeast (1.52 miles) from the end of the existing DOT maintenance (north of the intersection of Broad Street and North Judd Parkway Northeast) to the intersection of Broad Street/NC 55.	1.520
	<b>File Name:</b>	Wake_2019_06_M001			
5	Wake	Town of Fuquay-Varina	South Judd Parkway Southwest	To add South Judd Parkway Southwest (0.45 miles) from NC 42 to the intersection of Hunter's Ridge Drive.	0.450
	<b>File Name:</b>	Wake_2019_06_M002			
5	Wake	Town of Cary	Morrisville Parkway	To add Morrisville Parkway from NC 55 Highway to the eastern end of the construction of Morrisville Parkway Interchange Project (U-5315)	0.880
	<b>File Name:</b>	Wake_2019_06_M003			
5	Wake	Town of Cary	Morrisville Parkway	To add Morrisville Parkway from the western end of construction of Morrisville Parkway Interchange Project (U-5315) to Green Level Church Road (SR1625)	0.460
	<b>File Name:</b>	Wake_2019_06_M003			
5	Wake	Town of Cary	NW Cary Parkway	To add NW Cary Parkway from Evans Road (SR1653) to N. Harrison Avenue (SR1652)	1.740
	<b>File Name:</b>	Wake_2019_06_M003			

**Total Miles = 5.05**

## Approval of Municipal Street System Changes

### Deletions from the State Highway System

Div	County	Municipality	Road	Termini	Length
5	Wake	Town of Cary	SR 1609; Turner Creek Road	To delete Turner Creek Road from NC 55 highway to end of State maintenance east of the western entrance to Turner Creek Elementary School	0.210
	<b>File Name:</b>	Wake_2019_06_M004			
5	Wake	Town of Cary	SR 1423; Piney Plains Road	To delete Piney Plains Road from Walnut Street (SR1313) to Dillard Drive (SR 1349)	0.430
	<b>File Name:</b>	Wake_2019_06_M004			
5	Wake	Town of Cary	SR 1435; Old Raleigh Road	To delete Old Raleigh Road from western intersection with Auto Park Boulevard to Gregson Drive (SR 1435)	0.640
	<b>File Name:</b>	Wake_2019_06_M004			
5	Wake	Town of Cary	SR 1435; Gregson Drive	To delete Gregson Drive from US-64 to Old Raleigh Road (SR 1435)	0.060
	<b>File Name:</b>	Wake_2019_06_M004			

**Total Miles = 1.34**

## **NCDOT June 2019 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 &amp; R-2</b>
<b>2</b>	<b>Final Right of Way Plans</b>	<b>R-3 &amp; R-4</b>
<b>3</b>	<b>Approval of Conveyance of Highway Right of Way Residues</b>	<b>R-5</b>
<b>4</b>	<b>Approval of Conveyance of Surplus Right of Way</b>	<b>R-6</b>
<b>5</b>	<b>Approval of Revision of Control of Access</b>	<b>R-7</b>
<b>6</b>	<b>Approval of Permanent Natural Gas Easement</b>	<b>R-8</b>
<b>7</b>	<b>Approval Advance Acquisition of Highway Right of Way</b>	<b>R-9 – R-11</b>

## **NCDOT June 2019 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 2)**

**Beaufort County; I.D. No. W-5702G; Project No. 44848.2.7:**

US 264 between 0.45 mile East of Aflen Lane to 0.45 mile West of NC 32 near Beaufort County Community College in Washington.

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

**New Hanover County; I.D. No. U-5710; Project No. 50115.2.1:**

US 73 (Eastwood Road) at SR 1409 (Military Cutoff Road)

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

**Johnston County; I.D. No. W-5704H; Project No. 44850.2.8:**

US 301 / NC 242 (Wall Street) at NC 50/242 (Main Street)

**Johnston County; I.D. No. W-5704G; Project No. 44850.2.7:**

SR 1525 (Cornwallis Road) at SR 1526 (Shiloh Road / Josephine Road)

## **NCDOT June 2019 Board of Transportation Agenda**

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

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

**Wake County; I.D. No. U-5750; Project No. 50170.2.1:**  
NC 54 from NC 540 to Perimeter Park Drive in Morrisville

**Wake County; I.D. No. I-5708; Project No. 50124.2.GV1:**  
I-440 / US 1 to SR 2000 (Wake Forest Road) in Raleigh

**Wake County; I.D. No. U-5118FB; Project No. 42379.2.33:**  
Along NC 96 (Arendell Avenue) and at SR 1001 (Pearces Road) in Zebulon

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

**Forsyth County; I.D. No. B-5770; Project No. 45726.2.1:**  
Bridge No. 243 over NC 150 in Winston-Salem on Salisbury Ridge Road

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

**Union County; I.D. No. W-5710Z; Project No. 44856.2.26:**  
NC 200 (Lancaster Highway) at NC 522 / SR 1007 (South Rocky River Road) and SR 1146 (Parkwood School Road)

**Anson County; I.D. No. B-4407; Project No. 38356.2.2:**  
Bridge No. 70 over Rocky River on US 52 (Anson and Stanly Counties)

**Mecklenburg County; I.D. No. W-5710S; Project No. 44856.2.19:**  
SR 2108 (Sunset Avenue) at SR 2019 (Peachtree Road) in Charlotte

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

**Yadkin County; I.D. No. R-5831; Project No. 47103.2.1:**  
US 601 (Carolina Avenue) and NC 67 (Main Street)

**Watauga; I.D. No. U-5810; Project No. 44383.2.1:**  
SR 1514 (Bamboo Road) from US 421 / US 221 to SR 1522 (Deerfield Road)

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

**Buncombe County; I.D. No. I-4759; Project No. 39970.2.GV1:**  
I-40 at SR 1228 (Liberty Road) from US 19-23/NC 151 to SR 1224 with part on new location

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

**Henderson County; I.D. No. U-5783; Project No. 44354.2.1:**  
US 64 from SR 1180 (Blythe Street) to SR 1173 (White Pine Drive) / SR 1186 (Daniel Drive)

**Transylvania County; I.D. No. R-5800; Project No. 44985.2.1:**  
US 64 / US 276 from Fortune Cove Road to US 64 Business (North Caldwell Street)

## **NCDOT June 2019 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. 41162.2.1; Dare County; I.D. No. R-5014:**

Drainage, grading and paving on SR 1217 (Collington Road) from dead end to US 158 (Croatan Highway) in Kill Devil Hills, Operational-Safety Improvements with the right of way indicated upon the final plans for said project.

##### **Project No. 45861.2.1; Pasquotank County; I.D. No. U-5942:**

Signals on Elizabeth City – Signal System with the right of way indicated upon the final plans for said project.

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

##### **Project No. 40255.2.2; Onslow County; I.D. No. U-4906:**

Drainage, grading and paving on Gum Branch Road (SR 1308) widening from West of Mills Fields Road (SR 1313) to East of Ramsey Road (SR 1324) with the right of way indicated upon the final plans for said project.

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

##### **Project No. 38400.2.2; Franklin County; I.D. No. B-4516:**

Drainage, grading, paving and structure on Bridge No. 52 over Sandy Creek on SR 1433 with the right of way indicated upon the final plans for said project.

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

##### **Project No. 39049.2.2; Cumberland County; I.D. No. U-4405A:**

Drainage, grading, paving, signals and structure on US 401 (Raeford Road) from US 401 (Raeford Road) from Old Raeford Road to east of Bunce Road with the right of way indicated upon the final plans for said project.

## **NCDOT June 2019 Board of Transportation Agenda**

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

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

##### **Project No. 40325.2.46; Cabarrus County; I.D. No. Y-4810K:**

Drainage, grading, paving, retaining wall and structure on grade separation at SR 1625 (Rogers Lake Road) over NS/NCRR Railroad and Closure at Grade Crossing (No. 724408Y) in Kannapolis at Milepost 350.73 with the right of way indicated upon the final plans for said project.

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

##### **Project No. 46974.2.1; Gaston County; I.D. No. U-6038:**

ITS on US 74 (Wilkinson Boulevard) from Groves Street to NC 7 (Catawba Street) to SR 2083 (Hazeleen Avenue) with the right of way indicated upon the final plans for said project.

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

##### **Project No. 44390.2.1; McDowell County; I.D. No. U-5818:**

Drainage, grading, paving and signals on SR 1001 (Sugar Hill Road) from I-40 Westbound Ramps to 0.3 mile West of I-40 Eastbound Ramps, Widen Roadway with the right of way indicated upon the final plans for said project.

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

##### **Project No. 32574.2.3; Clay County; I.D. No. A-0011BB:**

Grading, paving, drainage, guardrail and culverts on US 64 from East of the Hiwassee River to East of NC 175 with the right of way indicated upon the final plans for said project.



## **NCDOT June 2019 Board of Transportation Agenda**

### **Approval of Conveyance of Highway Right of Way Residues**

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

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

**Project 34418.2.3 (R-2309AB 152) US 220 from SR 2182 (Horsepen Creek Road) to North of SR 2313 (Winfree Road),  
Guilford County**

Conveyance of an approximate 0.4 acre residual tract to Richard L. and Heather M. Spencer, the only interested adjacent owners, for the sum of \$2,040.00.

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

**Project 9.8112515 (R-3117 025) Western Loop from US 21 to SR 1172 (Grandview Street) Alleghany County**

Conveyance of approximately 0.99 acre residual tract to Coby LaRue, the highest bidder after public advertisement, for the bid sum of \$2,800.00.

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

**Project 34846.2.4 (U-2711B) Forest City SR 2179 (Oak Street) Extension from Young Street to US 221A (S. Broadway Street)  
Rutherford County**

Conveyance of approximately 0.86 acre (exact area to be determined by survey) to Town of Forest City to be incorporated into their Park System. The Town of Forest City has agreed to pay for the survey and take over maintenance of a Permanent Drainage Easement on the property as compensation for the approximate 0.86 acre area of residue.

## **NCDOT June 2019 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 10)**

**Project 36780.2.FS2, US 29 (Concord Parkway North) near the new alignment Kannapolis Highway in Concord, Parcel U-4017 006, Partial disposal of Permanent Drainage Easement on SR 1541 (Wendover Avenue) at SR 4187 (Piedmont Parkway) in High Point Guilford County**

Disposal of approximately 0.5761 acre of surplus permanent drainage easement to Premier Stores, Inc. for no consideration.

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

**Project 9.8111577(8-202), Parcel U-2309 007, US 321A in Lenoir Township Caldwell County**

Disposal of approximately 0.62 acre of surplus right of way to Highways to Hedges Ministry, Inc. for no consideration.

## **NCDOT June 2019 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 10)**

##### **Project 34938.2.4, U-3412A 041 & 042 SR 3107 (Martin Luther King, Jr. Boulevard) at its intersection with NC 84 (Weddington Road)**

##### **Union County**

Revision in the control of access on SR 3107 (Martin Luther King, Jr. Boulevard) at its intersection with NC 84 (Weddington Road), to MLK 1, LLC; Metrolina Properties Limited Partnership; Oakridge Associates, LLC; Withrow Heritage, LLC; GST 2, LLC; RERO Associates, LLC; JNJ Capital, LLC; RFP Foundation, LLC; GST 1, LLC; Withrow Capital Investments, LLC for no consideration.

## **NCDOT June 2019 Board of Transportation Agenda**

### **Approval of Permanent Natural Gas Easement**

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

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

##### **Project 34839.2.7 U-2579 DEF 704 & U-2579 DEF 655, Winston Salem Northern Beltway Forsyth County**

Piedmont Natural Gas Company, Inc. has an existing 50 foot Easement for their existing natural gas line across property formerly owned by Estate of Herman Lee Collins in Deed Book 1793 at Page 0786 and Charles F. Scott A/W Helen in Deed Book 1785 Page 148 both of the Forsyth County Registry.

The Department acquired a tract from Republic Properties by Deed Book 2558 at Page 4448 (formerly Collins Estate) and Christ Rescue Temple Apostolic Church by Deed Book 3452 at Page 1277 (formerly C. F. Scott) which contain the aforementioned Piedmont Natural Gas Company, Inc gas line. Piedmont Natural Gas Company, Inc. has requested the Department allow them to relocate their existing gas line on remaining property outside the right of way. The Department has agreed to the relocation of gas line as part of the Utility Relocation Agreement with Piedmont Natural Gas Company, Inc. This is to request authority for Manager of Right of Way Unit to execute the appropriate instrument.

## **NCDOT June 2019 Board of Transportation Agenda**

### **Advance Acquisition of Highway Right of Way**

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

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

**Property of EAKES – PS, LLC EAKES PROPERTIES LP  
I.D. No. P-5707, Parcel 900  
WBS 37764, F. A. Project N/A,  
County of New Hanover**

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

**Property of Heirs of Elmo Williams (15.5 Acre Tract)  
I.D. No. R-2829, Parcel 906  
WBS 35517, F. A. Project N/A,  
County of Wake**

**Property of Mae T. Young Heirs (Sandra Lynch)  
I.D. No. U-5748, Parcel 900  
WBS 50168, F. A. Project N/A,  
County of Wake**

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

**Property of Larry D. Stack  
I.D. No. R-2247D Parcel 901  
WBS 34409, F. A. Project N/A,  
County of Forsyth**

**Property of Walter M. Beauchamp (Tony Beauchamp)  
I.D. No. R-2247CB Parcel 901  
WBS 34409.1.1 , F. A. Project N/A  
County of Forsyth**

**NCDOT June 2019 Board of Transportation Agenda**

**Advance Acquisition of Highway Right of Way (continued)**

**(Division 9) (continued)**

**Property of Arnold Beauchamp  
I.D. No. R-2247CB Parcel 902  
WBS 34409.1.1, F. A. Project N/A  
County of Forsyth**

**(Division 13)**

**Property of COLE FE ASHEVILLE NC, LLC  
I.D. No. I-2513B Parcel 600  
WBS 34165.1.1 F.A. Project N/A,  
County of Buncombe  
Complex Relocation/Total Take**

**Property of SST II ASHEVILLE II, LLC  
I.D. No. I-2513B Parcel 601  
WBS 34165.1.1 F.A. Project N/A,  
County of Buncombe  
Complex Relocation/Total Take**

**Property of The Land Strip, Inc. c/o Crown Plaza Resort  
I.D. No. I-2513B Parcel 602  
WBS 34165.1.1 F.A. Project N/A,  
County of Buncombe  
Complex Relocation/Total Take**

**Property of Bernard & Katheryn Coates  
I.D. No. I-2513B Parcel 603  
WBS 34165.1.1 F.A. Project N/A,  
County of Buncombe  
Complex Relocation/Total Take**

**Property of Jerry D. & Betty Jo Owenby  
I.D. No. I-2513B Parcel 604  
WBS 34165.1.1 F.A. Project N/A,  
County of Buncombe  
Complex Relocation/Total Take**

**Property of Thomas & Julian Jackson  
I.D. No. I-2513B Parcel 605  
WBS 34165.1.1 F.A. Project N/A,  
County of Buncombe  
Complex Relocation/Total Take**

**NCDOT June 2019 Board of Transportation Agenda**

**Advance Acquisition of Highway Right of Way (continued)**

**(Division 13) (continued)**

**Property of Terri S. Eury  
I.D. No. I-2513B Parcel 606  
WBS 34165.1.1 F.A. Project N/A,  
County of Buncombe  
Complex Relocation/Total Take**

**Property of Jerry D. and Betty Jo Owenby  
I.D. No. I-2513B Parcel 607  
WBS 34165.1.1 F.A. Project N/A,  
County of Buncombe  
Complex Relocation/Total Take**

**Property of DJ3, LLC  
I.D. No. I-2513B Parcel 608  
WBS 34165.1.1 F.A. Project N/A,  
County of Buncombe  
Complex Relocation/Total Take**

**Property of Carolyn W. Cooper & Mark Walton  
I.D. No. I-2513B Parcel 609  
WBS 34165.1.1 F.A. Project N/A,  
County of Buncombe  
Complex Relocation/Total Take**

There will be no Maintenance Allocation submitted to the Board for approval at the June 2019 Board meeting.



There are no Comprehensive Transportation Plans to be presented for approval at the June 6, 2019 Board of Transportation Meeting.

## NORTH CAROLINA BOARD OF TRANSPORTATION

There will be no Item V submitted to the Board for approval at the June 6, 2019, Board meeting.

## **Committee Reports**

**Road Naming Committee** -- Committee Chair Fox provided a summary of the committee's meeting topic to approve the NCAA National Championship, 2018 Women's Field Hockey, University of North Carolina, Chapel Hill Resolution.

**Audit Committee** – Committee Vice Chair Szlosberg-Landis stated they did not meet a quorum but did provide an information report on the various audits within the Department.

**Division of Motor Vehicles (DMV) Committee** – Committee Vice-Chair Pope provided a summary of Commissioner Torre Jessup's updates regarding several new initiatives and strategies taking place within the Division of Motor Vehicles. The initiatives and strategies aim to minimize the amount of time DMV customers spend in Driver License offices across our state.

**Advanced Technologies Committee** – Committee Vice Chair Szlosberg-Landis provided a summary of the committee's meeting topics, which included presentations from Nastasha Earle-Young, NCDOT Transportation Planning, Leta Huntsinger, WPS Project engineer, Alpesh Patel, Cambridge Systematics presented a presentation on NCMoves 2050 – Drivers and Opportunities in Technology.

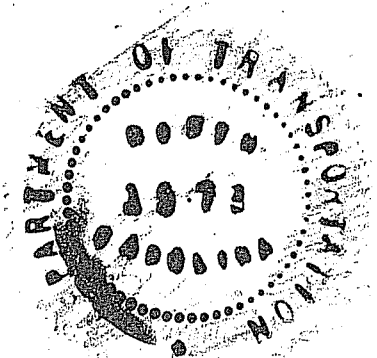
**Highway Committee** – Committee Chair Tarleton provided a summary of the committee's meeting topics, Jerry Jennings presented a presentation on Division 1 Outer Banks Bridge Projects and Kevin Lacy spoke about the Safety Evaluation Program.

**Multi-Modal Committee** – Committee Vice-Chair Clarke provided a summary of the committee's meeting topics, which included updates from the Department's Rail, Ferry, Aviation, Public Transit Division, Bicycle and Pedestrian units as well as the Secretary's NCFIRST Commission.

Chairman Fox reminded members of the Board that the next meeting of the Board will be June 26, and 27, 2019 in Raleigh, NC.

### Adjournment

There being no further business of the Board, Chairman Fox accepted a motion from Board Member Clarke, seconded by Board Member Moran to adjourn the meeting at 10:50 am.



A handwritten signature in black ink, appearing to read "Michael J. Fox".

Chairman Fox

North Carolina Board of Transportation

Attest:

A handwritten signature in black ink, appearing to read "Christelle H. Fox".

Secretary to the Board of Transportation

Dated this day 27<sup>th</sup> June 2019.



## **NORTH CAROLINA**

Department of Transportation



# Release of the Final 2020-2029 STIP

Van Argabright

Division of Planning and Programming

June 2019

# Status of the Final 2020-2029 STIP

- After consultation with executive management at NCDOT, a decision was made to delay the release of the Final 2020-2029 STIP
- MPOs, RPOs were notified in May that the release of the STIP was to be delayed 3 months (from June 2019 to September 2019)
- Approval of a STIP is only required every 4 years by FHWA and NCDOT is on a 2 year update cycle
- Delay allows:
  - Completion of the sale of 2019 GARVEEs and first issuance of Build NC bonds
  - Completion of NCDOT budget by NC General Assembly
    - Loan Bill (SB 605) for storm costs
  - Analysis of current project schedules (including cost increases) versus projected future revenues
- Schedule of P6.0 was also adjusted



## **NORTH CAROLINA** Department of Transportation



# NC Toll Project Development Handbook

## NC Board of Transportation

Gene Conti

June 5, 2019

# Outline

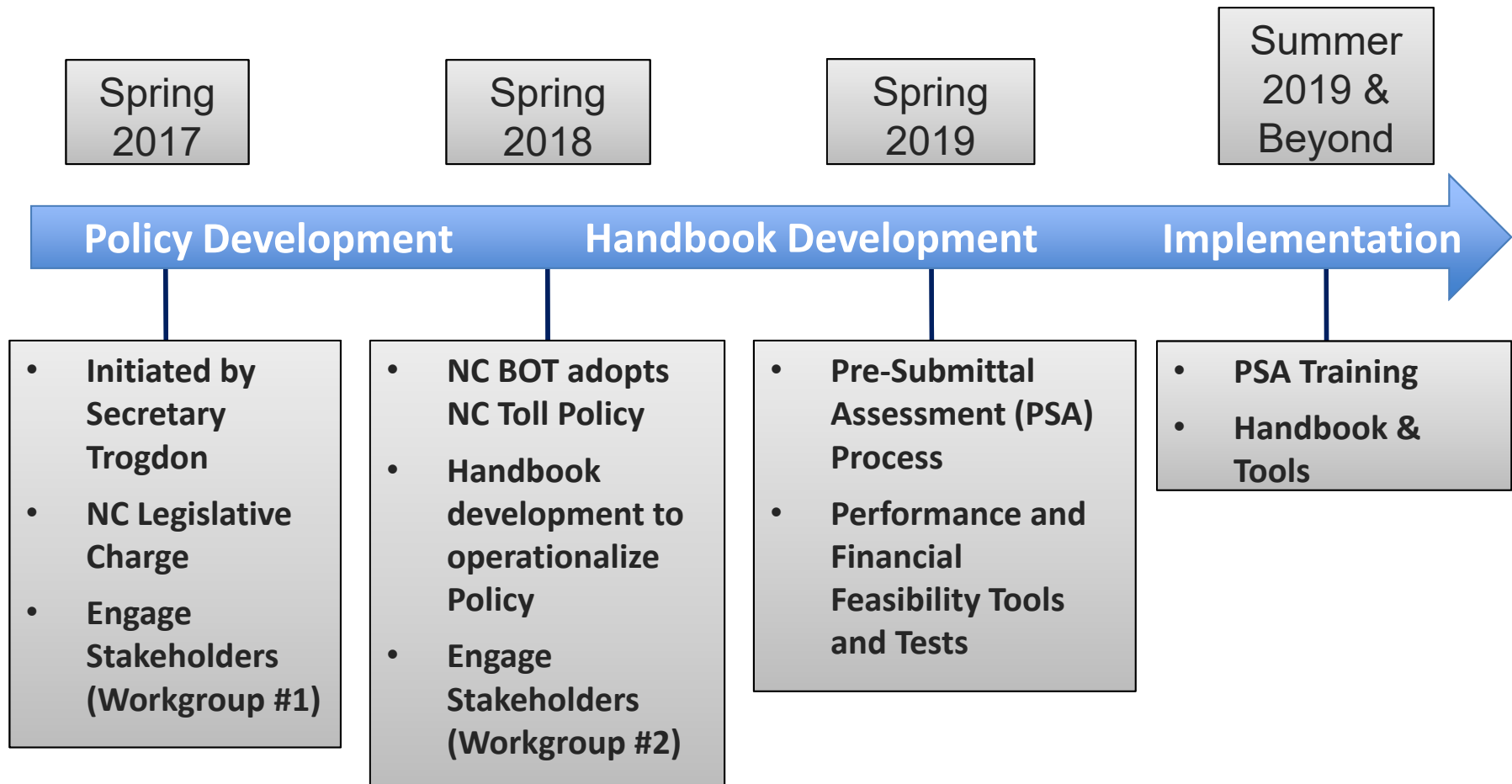
- NC Toll Policy
- NC Toll Policy Implementation (Handbook)
  - Objectives
  - Content / Process
  - Implementation
- NC Toll Policy Amendment
- Next Steps / Actions



## Board Action (June 27)

- Approve NC Toll Policy Amendment
- Provide Handbook as information only

# Policy Development & Implementation Timeline



# Policy Development

## *NC Toll Project Development Policy or NC Toll Policy*

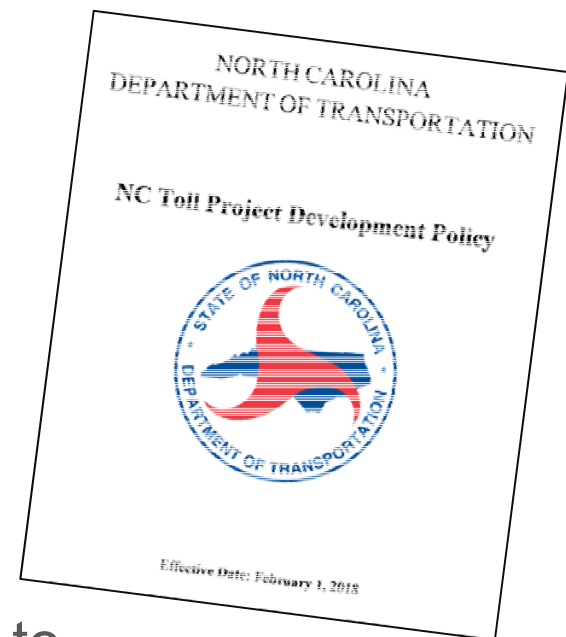
Adopted by the Board of Transportation (2018)

### Framework:

- Defines eligible project types
- Directs close coordination with M/RPOs
- Directs development of a **defined** tolled and express lanes feasibility process

### Framework does not:

- Require or mandate increased tolling
- Allow NCDOT to identify specific projects to evaluate



## Eligible Project Types

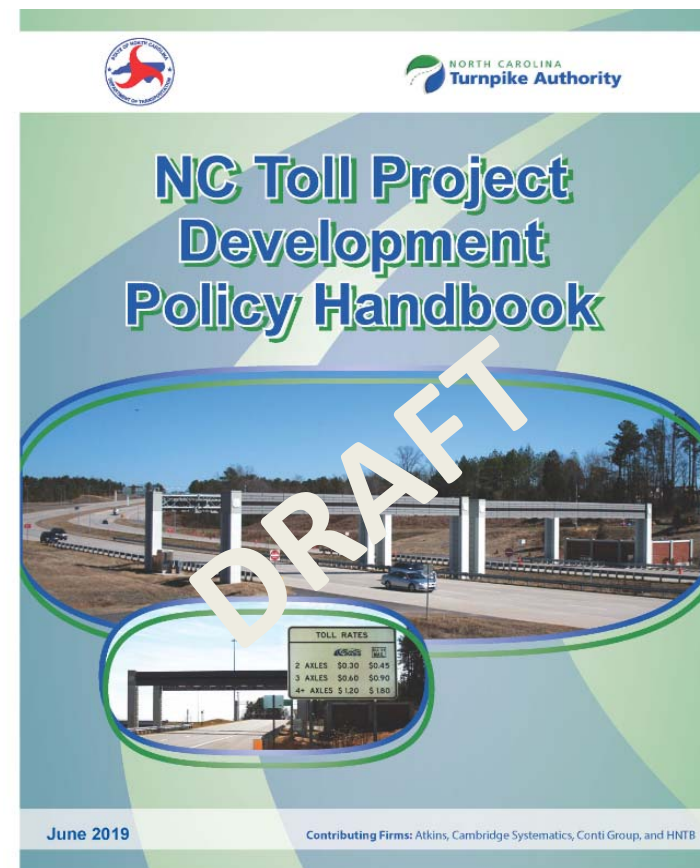
- Greenfield expressways or freeways
- Express lanes (or priced managed lanes)
- Upgrades of existing partial-control roadways to full access control facilities
- New bridges or major bridge replacements



## Policy Implementation

Development of a **Handbook** operationalizes the NC Toll Policy, including:

- Assessment structure, steps, and timetables
- Financial feasibility and performance reporting
- Communication and documentation of results



# Handbook Development Management

## Internal NCDOT team (PMT)

- *Turnpike Authority, Transportation Planning Division, Division of Highways*

## Work Group (advisory)

- *M/RPOs, League of Municipalities, Metro Mayors, Association of County Commissioners, FHWA, Agency staff*

**Multi-disciplinary consultant team prepared Handbook content**

# Handbook Development Objectives

- **Create a defined process** to support local decision making for toll candidate considerations in advance of submission to Strategic Prioritization and ensure consistency with STIP requirements.
- **Increase accountability** through more openness and transparency, particularly as NCDOT faces funding challenges posed by diminishing reliability of traditional funding sources for NC Highway Trust Fund.
- **Engage partners, develop protocols/procedures** to guide early identification and tolling potential.



# Handbook Development

## Project Sponsor Feedback

- Focus on standards, benchmarks, planning practice
- Uniform method, approach for assessment
- Develop and test tools; provide access
- Provide adequate time for assessment
- Ensure implementation is rolled out well...education, expectations are important!





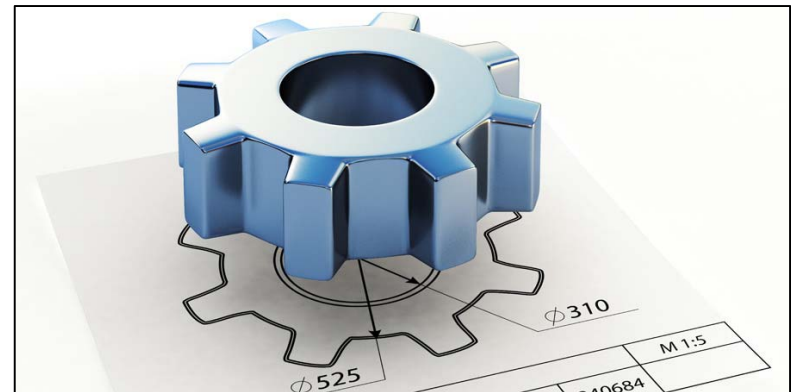
# Handbook Development

## Content

**Peer Review – DOTs, Toll  
Authorities interviews**



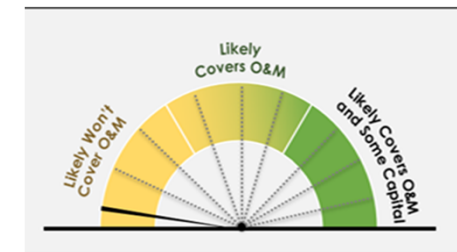
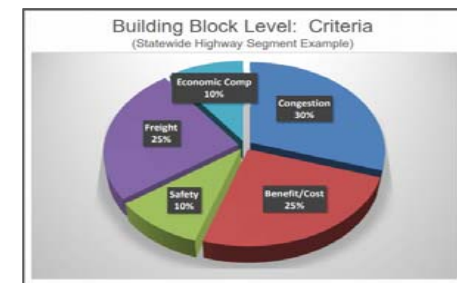
**Prototype Analysis –  
evaluation standards and  
criteria testing**



# Handbook Development Content

## Pre-Submittal Assessment (PSA)

- **Performance Criteria** – linked to Strategic Prioritization
- **Financial Feasibility** – can the candidate project cover Operating and Maintenance costs



**Implementation** – dedicated internal resources, liaison to project sponsors



# Handbook Development

## Pre-Submittal Assessment (PSA)

### Early evaluation of performance and financial project viability

- **Pre-screening process** coordinated with project sponsors
- **Incorporate into** Comprehensive and Metropolitan Transportation Plan development
- **Structured process**, steps, and schedule
- **Evaluation tools** accessible via NCDOT
- **More information** for local policy boards

# Performance and Data Driven Approach

## Performance Based Criteria tied to Strategic Prioritization

### – Example: Congestion Relief

#### Volume-to-Capacity Ratio

- Calculated from Statewide Model or Congestion Management Team
- Compare V/C ratio with and without project

#### Transit Utilization

- Requested from Regional Transit Authorities
- Quantify expected number reduced single-occupancy vehicle trips

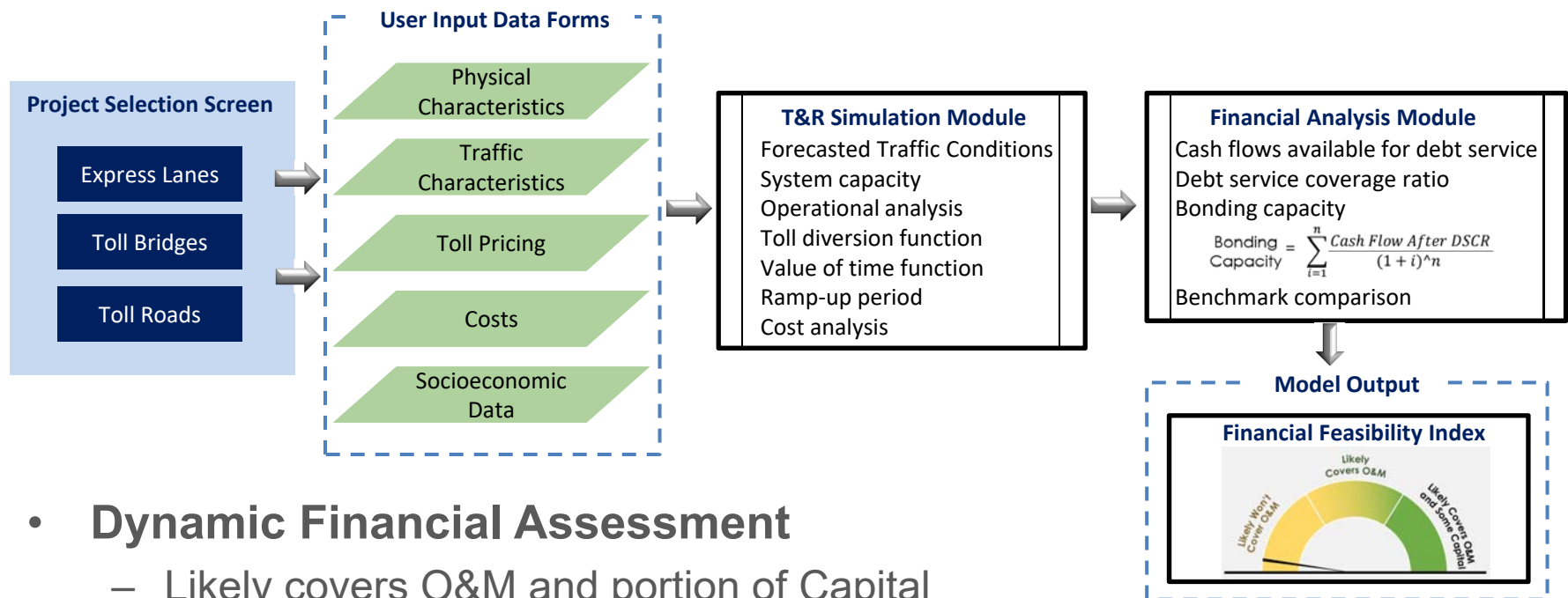
#### Travel Time Savings

- Calculated from Statewide Model or Congestion Management Team
- Requires value-of-time assumption

#### Travel Time Reliability

- Calculated from Statewide Model or Congestion Management Team
- Requires financial decision-making modeling

# Preliminary Financial Feasibility Module

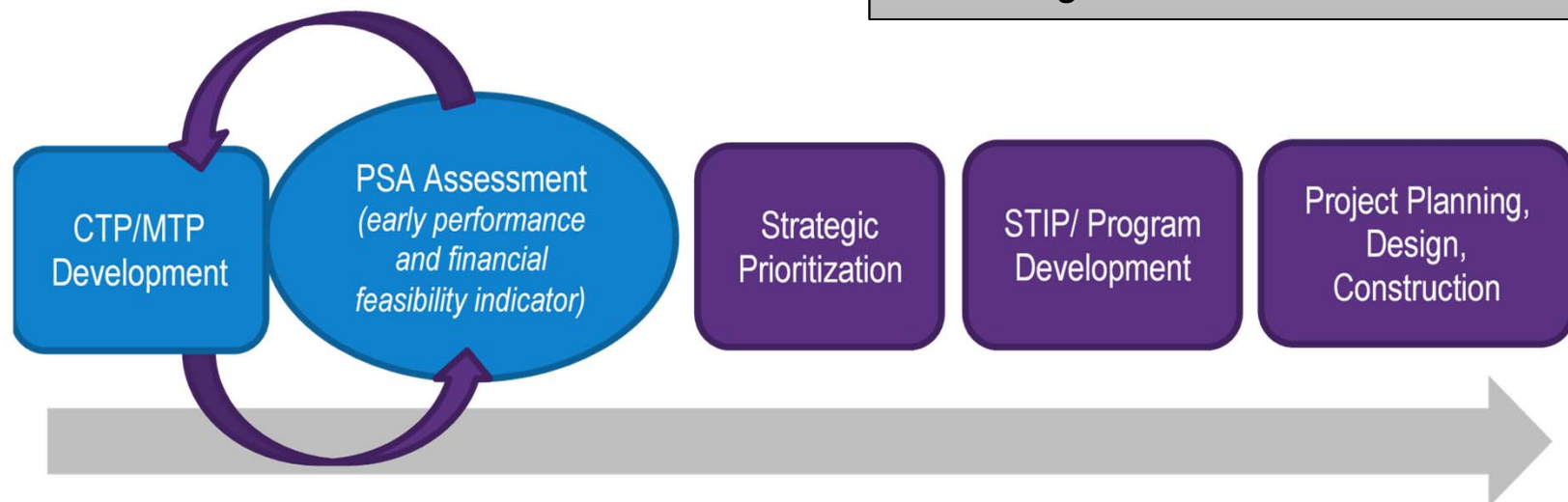


- **Dynamic Financial Assessment**

- Likely covers O&M and portion of Capital (i.e., presents positive financial flexibility)
- Likely covers O&M only (i.e., potential financial flexibility)
- Likely won't cover O&M (i.e., additional funding sources would likely be needed)

## Long Range Planning Integration

- Additional step in Comprehensive and Metropolitan Transportation Plan Development
  - Include in early scoping and Plan “Set Up” meetings
- Scoping checklist
  - Sets expectations with local communities
  - Supports “fiscal realism” for RPO area plans
  - Occurs prior to project submission for Strategic Prioritization



# Implementation Framework

- **Intra-Departmental Project Evaluation Team**

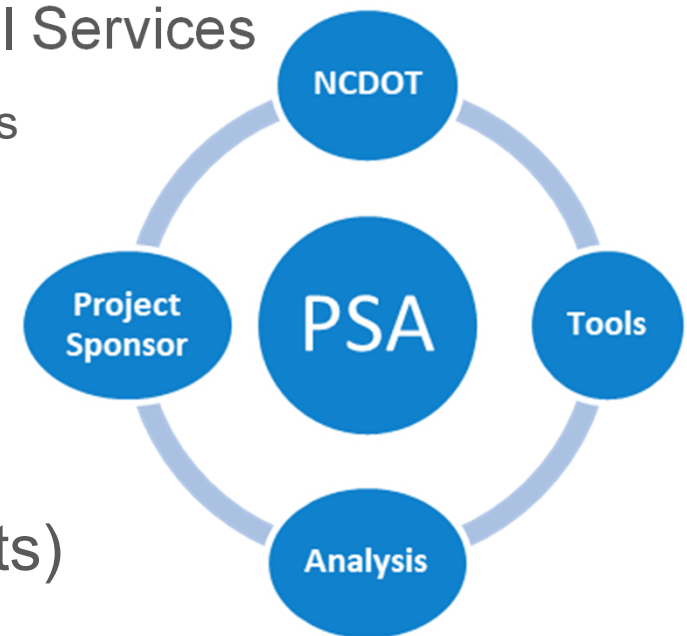
- TPD, NCTA, SPOT, STIP, Technical Services

- Oversee PSA schedule, steps and tools
- Technical expertise; liaison to project sponsors
- Division Engineers local support role

- **PSA Training Program**

- Fall 2019 (MPO/RPO participants)

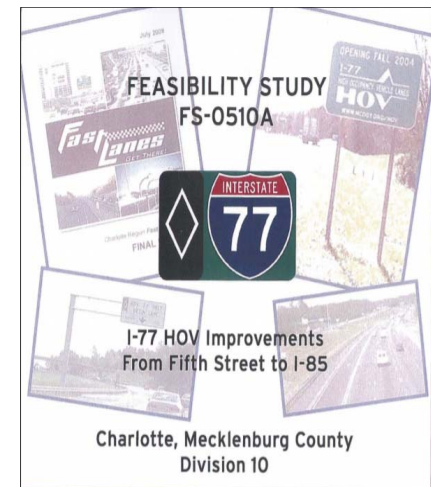
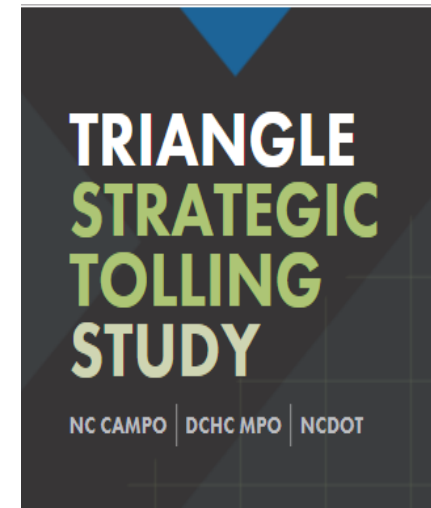
- **Biennial updates** tied to Strategic Prioritization cycles and industry changes





# Implementation Considerations

- **Region and Corridor Based Planning**
  - Impacts of various alternatives
  - Network Analysis
- **Data/Studies**
  - Leverage field-collected and/or early project screening data to support PSA inputs
- **Inform project submittals for future Strategic Prioritization**
  - Refines project cost estimates





# NC Tolls Policy Amendment

## "Grandfather" Policy:

*"Any toll candidate project(s) not committed\* in P6.0 will be subject to the Handbook guidelines. An MPO or RPO request to convert a current non-tolled project in NCDOT's strategic prioritization database to a tolled project would be considered a new project and subject to the Handbook guidelines.*

*\*Note: "committed" refers to the definition used for programming a project for right-of-way or construction in the STIP under NCDOT's latest strategic prioritization process.*

- ✓ **Accommodates P6.0 Schedule**
- ✓ **Recognizes projects in planning vs project development phase**
- ✓ **Supports project assessment for future Prioritization cycles**

## **BOT Action (June 27)**

- Approve NC Toll Policy Amendment
- Provide Handbook as information only

## Next Steps

### June

- Refine Handbook & Implementation Framework

### June 27

- Present to NC Board of Transportation

### Fall 2019

- PSA training and tools review with project sponsors

Questions?

# Cash Flow Projection

## DMS Biennial Budget State Fiscal Years (SFY) 2019 / 20 and 2020 / 21

### Summary

Line Item*	SFY 2019 / 20				SFY 2020 / 21				Total
	Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8	
	07/19 - 09/19	10/19 - 12/19	01/20 - 03/20	04/20 - 06/20	07/20 - 09/20	10/20 - 12/20	01/21 - 03/21	04/21 - 06/21	
Administration									
Salaries	\$ 566,793	\$ 566,793	\$ 566,793	\$ 566,793	\$ 578,129	\$ 578,129	\$ 578,129	\$ 578,129	\$ 4,579,688
Operating	\$ 178,682	\$ 104,200	\$ 104,200	\$ 104,200	\$ 158,922	\$ 82,950	\$ 82,950	\$ 82,950	\$ 899,054
Restoration	\$ 8,259,214	\$ 9,287,928	\$ 11,122,844	\$ 7,681,156	\$ 12,665,880	\$ 13,604,523	\$ 11,296,236	\$ 12,793,431	\$ 86,711,211
Long-Term Manangement	\$ 583,000	\$ 453,000	\$ 389,375	\$ 289,375	\$ 304,125	\$ 304,125	\$ 304,125	\$ 304,125	\$ 2,931,250
Planning Framework	\$ 101,250	\$ 101,250	\$ 205,000	\$ 205,000	\$ 188,750	\$ 187,000	\$ 150,500	\$ 146,250	\$ 1,285,000

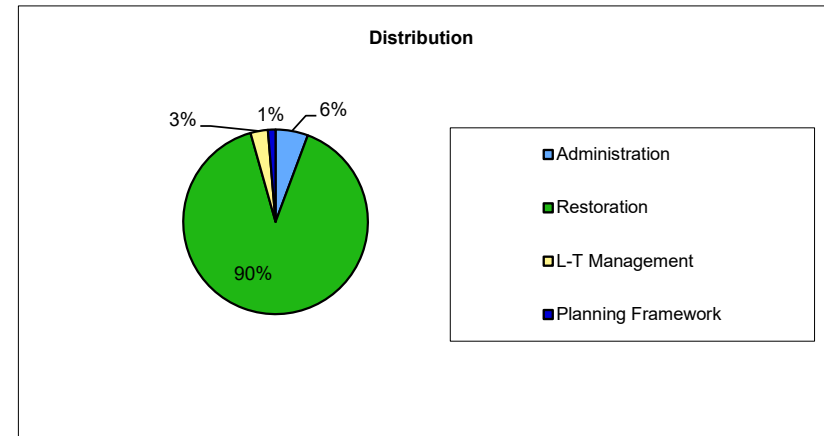
<b>Total (by Quarter)</b>	<b>\$ 9,688,939</b>	<b>\$ 10,513,171</b>	<b>\$ 12,388,212</b>	<b>\$ 8,846,524</b>	<b>\$ 13,895,806</b>	<b>\$ 14,756,727</b>	<b>\$ 12,411,940</b>	<b>\$ 13,904,885</b>	<b>\$ 96,406,203</b>
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**Total (Annual)** **\$ 41,436,846** **\$ 54,969,357** **\$ 96,406,203**

\* See individual linetabs for details

### Summary

Administration	\$ 5,478,742
Restoration	\$ 86,711,211
L-T Management	\$ 2,931,250
Planning Framework	\$ 1,285,000
<b>Biennial Total</b>	<b>\$ 96,406,203</b>



Note: Biennial budget reflects operating requirements of Code of Federal Regulations as agreed with the USACE, Wilmington District

# Salary and Operating Expenses

DMS Biennial Budget State Fiscal Years (SFY) 2019 / 20 and 2020 / 21

	SFY 2019 / 20				SFY 2020 / 21				
Salary & Operations	Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8	Total
Salaries	\$ 566,793	\$ 566,793	\$ 566,793	\$ 566,793	\$ 578,129	\$ 578,129	\$ 578,129	\$ 578,129	\$ 4,579,688
Operations	\$ 178,682	\$ 104,200	\$ 104,200	\$ 104,200	\$ 158,922	\$ 82,950	\$ 82,950	\$ 82,950	\$ 899,054
<b>Salary &amp; Operations Total</b>	<b>\$ 745,475</b>	<b>\$ 670,993</b>	<b>\$ 670,993</b>	<b>\$ 670,993</b>	<b>\$ 737,051</b>	<b>\$ 661,079</b>	<b>\$ 661,079</b>	<b>\$ 661,079</b>	<b>\$ 5,478,742</b>

# Restoration Summary

DMS Biennial Budget State Fiscal Years (SFY) 2019 / 20 and 2020 / 21

	SFY 2019 / 20				SFY 2020 / 21				Total
	Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8	
Design-Bid-Build	\$ 262,636	\$ 36,000	\$ 34,528	\$ 74,254	\$ 581,754	\$ 553,781	\$ 43,136	\$ 15,000	\$ 1,601,089
Design-Build	\$ -	\$ -	\$ 121,077	\$ -	\$ -	\$ -	\$ 121,077	\$ -	\$ 242,154
Full Delivery <sup>2</sup>	\$ 6,626,900	\$ 9,123,343	\$ 9,631,661	\$ 7,572,182	\$11,471,298	\$12,953,465	\$10,266,945	\$11,185,103	\$78,830,896
Monitoring/Maintenance	\$ 169,678	\$ 128,585	\$ 135,578	\$ 109,720	\$ 112,828	\$ 97,277	\$ 115,078	\$ 93,328	\$ 962,072
Actual cost adjustment for in-lieu payments <sup>1</sup>	\$ 1,200,000	\$ -	\$ 1,200,000	\$ (75,000)	\$ 500,000	\$ -	\$ 750,000	\$ 1,500,000	\$ 5,075,000
<b>Restoration Summary Total</b>	<b>\$ 8,259,214</b>	<b>\$ 9,287,928</b>	<b>\$11,122,844</b>	<b>\$ 7,681,156</b>	<b>\$12,665,880</b>	<b>\$13,604,523</b>	<b>\$11,296,236</b>	<b>\$12,793,431</b>	<b>\$86,711,211</b>

Note: Currently, there are 18 active design-bid-build contracts, 1 active Design-Build contracts, 91 active full delivery contracts and 3 Research/Development contracts.

<sup>1</sup> These numbers are placeholder estimates to be approved on an individual project basis with the NCDOT Environmental Analysis Unit. Such costs are associated with NCDOT payments into the Wetlands Restoration Program (WRP) for mitigation associated with multiple TIPs that were constructed between 1999 and 2008. Significant mitigation amounts were accepted by the WRP and paid by the NCDOT before sufficient data was available related to the actual cost of mitigation and agreements were put in place for cost recovery that would not exceed the actual cost of producing the mitigation. Procedures for reconciling such costs are documented through the Environmental Analysis Unit.

<sup>2</sup>Includes Mitigation Bank Purchases

The term **restoration** is used to describe stream and wetland restoration activities, monitoring, maintenance, land, and special studies. Contained under this heading are 113 active contracts that are in design, construction, monitoring or research development in our state's 17 river basins.

Design-Bid-Build Contracts

					SFY 2019 / 20				SFY 2020 / 21				Total	Count
Current Contracts					Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8		
Contract Number	Site Name	Division	County	Consultant										
Contract #006741	Millstone Creek	8	Randolph	NCSU	\$ 4,000	\$ -	\$ 9,528	\$ 20,754	\$ 20,754	\$ 26,281	\$ 28,136	\$ -	\$ 109,453	1
Contract #D13022S	Little Pine II	11	Alleghany	Wildlands Engineering, Inc.	\$ 122,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 122,000	2
Contract #D16015i	UT West Branch Rocky Riv	10	Mecklenburg	KCI Associates of NC	\$ 6,636	\$ -	\$ -	\$ 33,500	\$ 33,500	\$ -	\$ -	\$ -	\$ 73,636	3
Contract #D16034K	Little Pine III (On-Call Repair)	11	Alleghany	WLS	\$ -	\$ 16,000	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,000	4
Contract #D16033S	Little Pine II (Construction)	11	Alleghany	Wright Contracting	\$ 110,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 110,000	5
Subtotal Design-Bid-Build - Current Contracts					\$ 242,636	\$ 16,000	\$ 14,528	\$ 54,254	\$ 54,254	\$ 26,281	\$ 28,136	\$ -	\$ 436,089	

					SFY 2019 / 20				SFY 2020 / 21				Total
Design-Bid-Build - New Contract Awards for SFY 2019/20 / SFY 2020/21					Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8	
Design					\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction					\$ -	\$ -	\$ -	\$ -	\$ 512,500	\$ 512,500	\$ -	\$ -	\$ 1,025,000
Acquisition <sup>1</sup>					\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 15,000	\$ 140,000
Subtotal Design-Bid-Build - New Contracts					\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 527,500	\$ 527,500	\$ 15,000	\$ 15,000	\$ 1,165,000

Design-Bid-Build Total					SFY 2019 / 20				SFY 2020 / 21				Total
					Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8	
					\$ 262,636	\$ 36,000	\$ 34,528	\$ 74,254	\$ 581,754	\$ 553,781	\$ 43,136	\$ 15,000	

Design-Build Contracts

					SFY 2019 / 20				SFY 2020 / 21				Total	Count
Design-Build - Payments for New Contracts					Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8		
Contract Number	Site Name	Division	County	Provider										
Contract #006256	Big Harris	12	Cleveland	Wildlands Engineering, Inc.	\$ -	\$ -	\$ 121,077	\$ -	\$ -	\$ -	\$ 121,077	\$ -	\$ 242,154	6
Total Design-Build Current Contracts					\$ -	\$ -	\$ 121,077	\$ -	\$ -	\$ -	\$ 121,077	\$ -	\$ 242,154	

Full Delivery Contracts

					SFY 2019 / 20				SFY 2020 / 21				Total	Count
Full Delivery - Current Contracts					Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8		
Contract Number	Site Name	Division	County	Provider										
2019 - 2020 DMS Biennial Budget Contract #005790	Abbey Lamm	7	Alamance	Restoration Systems, LLC	\$ -	4 of 21 \$ 38,824	\$ -	\$ -	\$ -	\$ 38,824	\$ -	\$ -	\$ 77,648	7



Contract #005791	Aycock Springs	7	Alamance	Restoration Systems, LLC	\$ -	\$ 26,629	\$ -	\$ -	\$ -	\$ 26,629	\$ -	\$ -	\$ 53,258	8
Contract #005792	Browns Summit Creek	7	Guilford	Michael Baker Engineering, Inc	\$ -	\$ 38,603	\$ -	\$ -	\$ -	\$ 38,603	\$ -	\$ -	\$ 77,206	9
Contract #005793	Maney Farm	8	Chatham	Wildlands Engineering, Inc.	\$ -	\$ 35,040	\$ -	\$ -	\$ -	\$ 35,040	\$ -	\$ -	\$ 70,080	10
Contract #005794	Candy Creek	7	Guilford	Wildlands Engineering, Inc.	\$ -	\$ 110,665	\$ -	\$ -	\$ -	\$ 110,665	\$ -	\$ -	\$ 221,330	11
Contract #005795	Holman Mill	7	Alamance	Wildlands Engineering, Inc.	\$ -	\$ 28,927	\$ -	\$ -	\$ -	\$ 28,297	\$ -	\$ -	\$ 57,224	12
Contract #006746	Tar River Headwater Wetlands	5	Person	Mogensen Mitigation, Inc.	\$ -	\$ 6,100	\$ -	\$ -	\$ -	\$ 6,100	\$ -	\$ -	\$ 12,200	13
Contract #006824	Pen Dell	4	Johnston	Water & Land Solutions	\$ -	\$ 58,194	\$ -	\$ -	\$ -	\$ 23,278	\$ -	\$ -	\$ 81,472	14
Contract #006825	Edwards-Johnson	4	Johnston	Water & Land Solutions	\$ -	\$ 58,642	\$ -	\$ -	\$ -	\$ 23,457	\$ -	\$ -	\$ 82,099	15
Contract #006826	Lake Wendell	4	Johnston	Water & Land Solutions	\$ -	\$ 65,760	\$ -	\$ -	\$ -	\$ 26,304	\$ -	\$ -	\$ 92,064	16
Contract #006827	Dry Creek	5	Durham	Wildlands Engineering, Inc.	\$ 564,784	\$ -	\$ 423,588	\$ 564,784	\$ -	\$ 141,196	\$ -	\$ -	\$ 1,694,352	17
Contract #006828	Lochill Farm	7	Orange	Michael Baker Engineering, Inc.	\$ -	\$ 66,420	\$ -	\$ -	\$ -	\$ 26,568	\$ -	\$ -	\$ 92,988	18
Contract #006829	Buckwater	7	Orange	Wildlands Engineering, Inc.	\$ 216,684	\$ -	\$ -	\$ -	\$ -	\$ 216,684	\$ -	\$ -	\$ 433,368	19
Contract #006830	Stony Fork	4	Johnston	KCI Associates of NC	\$ 260,888	\$ 130,444	\$ -	\$ -	\$ -	\$ 52,178	\$ -	\$ -	\$ 443,510	20
Contract #006832	Alliance Headwaters Option A	4	Johnston	Restoration Systems, LLC	\$ 389,435	\$ -	\$ 519,246	\$ -	\$ -	\$ 129,812	\$ -	\$ -	\$ 1,038,493	21
Contract #7423	McClenny Acres	4	Wayne	Wildlands Engineering, Inc.	\$ 704,029	\$ -	\$ -	\$ 704,029	\$ -	\$ 469,353	\$ 469,353	\$ 234,676	\$ 2,581,440	22
Contract #7424	Catfish Pond	5	Durham	Wildlands Engineering, Inc.	\$ -	\$ 202,595	\$ -	\$ 135,063	\$ 135,063	\$ 67,532	\$ -	\$ -	\$ 540,253	23
Contract #7425	Sassarixa Swamp	4	Johnston	Wildlands Engineering, Inc.	\$ 468,551	\$ 468,551	\$ 312,367	\$ -	\$ 312,367	\$ 156,184	\$ -	\$ -	\$ 1,718,020	24
Contract #7418	Barefoot	3	Sampson	EBX Neuse I, LLC (RES)	\$ -	\$ -	\$ -	\$ 201,000	\$ 50,250	\$ -	\$ -		\$ 251,250	25
Contract #4954	Foust Creek	7	Alamance	Wildlands Engineering, Inc.	\$ -	\$ 89,817	\$ -	\$ -	\$ -	\$ 89,817	\$ -	\$ -	\$ 179,634	26
Contract #4949	Agony Acres	7	Guilford	Wildlands Engineering, Inc.	\$ -	\$ -	\$ 113,059	\$ -	\$ -	\$ 113,059	\$ -	\$ -	\$ 226,118	27
Contract #4951	UT to Cane Creek	7	Alamance	Michael Baker Engineering, Inc	\$ -	\$ -	\$ 66,930	\$ -	\$ -	\$ 113,860	\$ -	\$ -	\$ 180,790	28
Contract #3989	Devils Racetrack	4	Johnston	Wildlands Engineering, Inc.	\$ -	\$ -	\$ 409,124	\$ -	\$ -	\$ 818,249	\$ -	\$ -	\$ 1,227,373	29
Contract #5010	Norman's Pasture	3	Sampson	KCI Associates of NC	\$ -	\$ -	\$ 65,130	\$ -	\$ -	\$ 65,130	\$ -	\$ -	\$ 130,260	30
Contract #5787	Norman's Pasture II	3	Sampson	KCI Associates of NC	\$ -	\$ -	\$ 10,558	\$ -	\$ -	\$ 10,558	\$ -	\$ -	\$ 21,116	31
Contract #4631	Best Site	3	Duplin	EBX Neuse I, LLC (RES)	\$ -	\$ -	\$ 134,904	\$ -	\$ -	\$ 134,904	\$ -	\$ -	\$ 269,808	32
Contract #5011	Cedar Creek	3	Sampson	EBX Neuse I, LLC (RES)	\$ -	\$ 95,500	\$ -	\$ -	\$ -	\$ 95,500	\$ -	\$ -	\$ 191,000	33
Contract #7526	Phantom Mill	7	Alamance	Restoration Systems, LLC	\$ -	\$ 261,298	\$ -	\$ 348,397	\$ -	\$ 87,099	\$ -	\$ -	\$ 696,794	34
Contract #7525	Slingshot	7	Rockingham	Restoration Systems, LLC	\$ -	\$ 193,415	\$ -	\$ 257,886	\$ -	\$ 64,472	\$ -	\$ -	\$ 515,773	35

## Full Delivery Contracts (page 2)

Full Delivery - Current Contracts (continued)					SFY 2019 / 20				SFY 2020 / 21				Total	Count
					Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8		
Contract Number	Site Name	Division	County	Provider										
Contract #7527	Sandy Branch	8	Chatham	Wildlands Engineering, Inc.	\$ 266,000	\$ -	\$ 199,500	\$ -	\$ -	\$ 199,500	\$ 266,000	\$ -	\$ 931,000	36
Contract #7610	Banner Branch	9	Stokes	Water & Land Solutions	\$ 502,200	\$ -	\$ -	\$ 837,000	\$ 334,800	\$ 167,400	\$ -	\$ -	\$ 1,841,400	37

Contract #4628	Hofler Property	1	Gates	Albemarle Restroations, LLC	\$ -	\$ 30,800	\$ -	\$ -	\$ -	\$ 30,800	\$ -	\$ -	\$ 61,600	38
Contract #4635	Stanley's Slough	1	Northhampton	KCI Associates of NC	\$ -	\$ 78,377	\$ -	\$ -	\$ -	\$ 156,754	\$ -	\$ -	\$ 235,131	39
Contract #5151	Stanley's II	1	Northhampton	KCI Associates of NC	\$ -	\$ 21,125	\$ -	\$ -	\$ -	\$ 42,250	\$ -	\$ -	\$ 63,375	40
Contract #5012	Bowl Basin	3	Onslow	KCI Associates of NC	\$ -	\$ 26,460	\$ -	\$ -	\$ -	\$ 52,920	\$ -	\$ -	\$ 79,380	41
Contract #4632	Muddy Run II	3	Duplin	EBX Neuse I, LLC (RES)	\$ -	\$ 127,700	\$ -	\$ -	\$ -	\$ 127,700	\$ -	\$ -	\$ 255,400	42
Contract #5000	UT to Millers Creek	3	Duplin	HDR/ICA Engineering, Inc.	\$ -	\$ 50,681	\$ -	\$ -	\$ -	\$ 50,681	\$ -	\$ -	\$ 101,362	43
Contract #7515	Shaws Run	6	Columbus	Restoration Systems, LLC	\$ -	\$ 113,850	\$ -	\$ -	\$ 151,800	\$ 37,950	\$ -	\$ -	\$ 303,600	44
Contract #7514	Rough Horn II	6	Columbus	KCI Associates of NC	\$ -	\$ -	\$ 309,173	\$ -	\$ 206,115	\$ 206,115	\$ 103,058	\$ -	\$ 824,461	45
Contract #7516	Bear Swamp	6	Robeson	Ecosystem Planning & Restoration, LLC	\$ -	\$ 120,447	\$ 160,596	\$ -	\$ -	\$ 40,149	\$ -	\$ -	\$ 321,192	46
Contract #7605	Hornpipe	2	Lenoir	Water & Land Solutions	\$ 209,250	\$ -	\$ 209,250	\$ -	\$ 139,500	\$ 69,750	\$ -	\$ -	\$ 627,750	47
Contract #7606	Sliver Moon II	2	Craven	Restoration Systems, LLC	\$ -	\$ 132,750	\$ 88,500	\$ -	\$ 88,500	\$ 44,250	\$ -	\$ -	\$ 354,000	48
Contract #7744	Perry Hill	7	Orange	Wildlands Engineering, Inc.	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 870,191	\$ -	\$ -	\$ 870,191	49
Contract #7745	Strawberry Hill	4	Johnston	EBX Neuse I, LLC (RES)	\$ -	\$ 726,156	\$ -	\$ -	\$ -	\$ 311,210	\$ 207,473	\$ 207,473	\$ 1,452,312	50
Contract #7746	Cowford	3	Onslow	EBX Neuse I, LLC (RES)	\$ -	\$ -	\$ 81,833	\$ 327,332	\$ 245,499	\$ 245,499	\$ 163,666	\$ 163,666	\$ 1,227,495	51
Contract #006897	Lone Hickory	11	Yadkin	Wildlands Engineering, Inc.	\$ 418,771	\$ -	\$ 209,385	\$ -	\$ -	\$ -	\$ 83,754	\$ -	\$ 711,910	52
Contract #006898	Mill Dam Creek	11	Yadkin	KCI Associates of NC	\$ -	\$ -	\$ 858,000	\$ -	\$ 343,200	\$ 171,600	\$ -	\$ -	\$ 1,372,800	53
Contract #007006	Harrell Stream and Wetland Site	14	Jackson	EW Solutions, LLC	\$ -	\$ 211,836	\$ 84,734	\$ -	\$ -	\$ -	\$ 42,367	\$ -	\$ 338,937	54
Contract #006997	Fletcher Site	14	Henderson	EW Solutions, LLC	\$ -	\$ 399,150	\$ -	\$ -	\$ 399,150	\$ 199,575	\$ 79,830	\$ -	\$ 1,077,705	55
Contract #D06046-A	Logan Creek	14	Jackson	Michael Baker Engineering, Inc	\$ -	\$ -	\$ 47,381	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,381	56
Contract #002024	North Fork Mountain Creek	12	Catawba	Resource Environmental Solutions, LLC	\$ 55,419	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 55,419	57
Contract #003983	Jacobs Ladder	9	Rowan	KCI Associates of NC	\$ 139,167	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 139,167	58
Contract #003984	Jacobs Landing	9	Rowan	KCI Associates of NC	\$ 127,699	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 127,699	59
Contract #003990	Town Creek	10	Stanly	Michael Baker Engineering, Inc	\$ -	\$ 48,840	\$ -	\$ -	\$ 99,680	\$ -	\$ -	\$ -	\$ 148,520	60
Contract #003277	UT to Town Creek	10	Stanly	Michael Baker Engineering, Inc	\$ -	\$ -	\$ 96,045	\$ -	\$ -	\$ -	\$ 96,045	\$ -	\$ 192,090	61
Contract #004644	Pee Dee Stream	10	Union	Environmental Banc & Exchange, LLC	\$ -	\$ -	\$ 104,000	\$ -	\$ -	\$ -	\$ 104,000	\$ -	\$ 208,000	62
Contract #004641	Brown Creek Tributaries	10	Anson	Michael Baker Engineering, Inc	\$ -	\$ -	\$ 140,064	\$ -	\$ -	\$ -	\$ 140,064	\$ -	\$ 280,128	63

## Full Delivery Contracts (page 3)

Full Delivery - Current Contracts (continued)					SFY 2019 / 20				SFY 2020 / 21				Total	Count
					Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8		
Contract Number	Site Name	Division	County	Provider										
Contract #004642	Hopewell	8	Randolph	Wildlands Engineering, Inc.	\$ -	\$ -	\$ 120,810	\$ -	\$ -	\$ -	\$ 120,810	\$ -	\$ 241,620	64
Contract #002029	Little Buffalo Creek	10	Cabarrus	Louis Berger	\$ -	\$ -	\$ 92,550	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 92,550	65
Contract #003979	Junes Branch	14	Jackson	Environmental Banc & Exchange, LLC	\$ 179,550	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 179,550	66

Contract #004672	Poplin Ridge Site	10	Union	Environmental Banc & Exchange, LLC	\$ -	\$ -	\$ 82,220	\$ -	\$ -	\$ -	\$ 91,588	\$ -	\$ 173,808	67
Contract #004673	Norkett Branch	10	Union	Wildlands Engineering, Inc.	\$ -	\$ 165,102	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 165,102	68
Contract #004925	601 East	10	Union	Environmental Banc & Exchange, LLC	\$ -	\$ -	\$ 64,904	\$ -	\$ -	\$ -	\$ 64,904	\$ -	\$ 129,809	69
Contract #005999	Vile Creek	11	Alleghany	Wildlands Engineering, Inc.	\$ -	\$ -	\$ 33,690	\$ -	\$ -	\$ -	\$ 33,690	\$ -	\$ 67,380	70
Contract #005782	Henry Fork (Only Stream is 2984)	12	Catawba	Wildlands Engineering, Inc.	\$ -	\$ 37,342	\$ -	\$ -	\$ -	\$ 37,342	\$ -	\$ -	\$ 74,684	71
Contract #005786	Roses Creek	13	Burke	ICA Engineering, Inc.	\$ -	\$ -	\$ 39,990	\$ -	\$ -	\$ -	\$ 39,990	\$ -	\$ 79,980	72
Contract #006598	Cedar Branch	8	Randolph	KCI Associates of NC	\$ -	\$ 36,120	\$ -	\$ -	\$ -	\$ 36,120	\$ -	\$ -	\$ 72,240	73
Contract #007415	Blair Creek	14	Clay	Michael Baker Engineering, Inc	\$ -	\$ -	\$ 218,813	\$ -	\$ 364,688	\$ 145,875	\$ 72,938	\$ -	\$ 802,314	74
Contract #007417	Groundhog Hollow	12	Alexander	Environmental Banc & Exchange, LLC	\$ -	\$ 228,000	\$ 304,000	\$ 228,000	\$ 152,000	\$ 152,000	\$ 76,000	\$ -	\$ 1,140,000	75
Contract #007189	Seniard Creek	14	Henderson	EW Solutions, LLC	\$ -	\$ 225,000	\$ -	\$ -	\$ 225,000	\$ 150,000	\$ 150,000	\$ -	\$ 750,000	76
Contract #007185	Mockingbird Site	9	Davie	Environmental Banc & Exchange, LLC	\$ 341,051	\$ -	\$ 255,788	\$ -	\$ 170,525	\$ 170,525	\$ -	\$ 85,263	\$ 1,023,152	77
Contract #007186	Catbird Site	9	Davie	Environmental Banc & Exchange, LLC	\$ 116,482	\$ -	\$ 87,362	\$ -	\$ 58,241	\$ 58,241	\$ -	\$ 29,121	\$ 349,446	78
Contract #007184	Meadow Brook Site	11	Yadkin	Ecosystem Planning and Restoration, LLC	\$ 267,750	\$ 107,100	\$ -	\$ 53,550	\$ -	\$ -	\$ -	\$ 21,420	\$ 449,820	79
Contract #007190	Shake Rag Branch	13	Madison	Wildlands Engineering, Inc.	\$ -	\$ 348,517	\$ -	\$ 232,345	\$ 232,345	\$ 116,172	\$ -	\$ -	\$ 929,379	80
Contract #007182	Whittier Creek	11	Surry	Michael Baker Engineering, Inc	\$ 134,100	\$ -	\$ 134,100	\$ 178,800	\$ -	\$ 44,700	\$ -	\$ -	\$ 491,700	81
Contract #007180	Key Mill Site	11	Surry	Wildlands Engineering, Inc.	\$ -	\$ 277,497	\$ 184,998	\$ 184,998	\$ -	\$ 92,499	\$ -	\$ -	\$ 739,992	82
Contract #007181	Horne Creek Tributaries	11	Surry	Water & Land Solutions, LLC	\$ -	\$ 383,966	\$ 153,587	\$ -	\$ -	\$ 76,793	\$ -	\$ -	\$ 614,346	83
Contract #007188	Warren Wilson College	13	Buncombe	Restoration Systems, LLC	\$ -	\$ -	\$ 540,645	\$ 360,430	\$ -	\$ 360,430	\$ -	\$ 180,215	\$ 1,441,720	84
Contract #007535	UT to Rush Fork	14	Haywood	Michael Baker Engineering, Inc	\$ 156,150	\$ 208,200	\$ -	\$ -	\$ 156,150	\$ 104,100	\$ -	\$ 104,100	\$ 728,700	85
Contract #007532	Owen Farms	14	Transylvania	HDR Engineering, Inc.	\$ 318,957	\$ 425,276	\$ -	\$ -	\$ -	\$ 531,595	\$ 212,638	\$ -	\$ 1,488,466	86
Contract # 007620	Lyon Hills Mitigation Site	11	Wilkes	Wildlands Engineering, Inc.	\$ -	\$ -	\$ -	\$ -	\$ 591,857	\$ 253,653	\$ 169,102	\$ 169,102	\$ 1,183,713	87
Contract # 007619	Honey Mill Mitigation Site	11	Surry	Wildlands Engineering, Inc.	\$ -	\$ -	\$ -	\$ -	\$ 555,944	\$ 238,262	\$ 158,841	\$ 158,841	\$ 1,111,888	88
Contract # 007608	Double H Farms	11	Alleghany	Wildlands Engineering, Inc.	\$ 345,300	\$ -	\$ -	\$ -	\$ 460,400	\$ 345,300	\$ 230,200	\$ 230,200	\$ 1,611,400	89
Contract # 007536	Monkey Wall Project	13	Mitchell	Resource Environmental Solutions, LLC	\$ -	\$ -	\$ 248,346	\$ 331,128	\$ -	\$ 248,346	\$ 165,564	\$ 165,564	\$ 1,158,948	90
Contract # 007531	Apple Valley Project	14	Henderson	Resource Environmental Solutions, LLC	\$ 135,977	\$ -	\$ 181,302	\$ 226,628	\$ 90,651	\$ -	\$ 45,326	\$ -	\$ 679,883	91

## Full Delivery Contracts (page 4)

Full Delivery - Current Contracts (continued)					SFY 2019 / 20				SFY 2020 / 21				Total	Count
					Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8		
Contract # 007731	Carpenter Bottom	12	Gaston	Wildlands Engineering, Inc.	\$ -	\$ -	\$ -	\$ 348,775	\$ 261,581	\$ 261,581	\$ 174,388	\$ 174,388	\$ 1,220,713	92
Contract # 007617	Bug Headwaters Site	11	Wilkes	Wildlands Engineering, Inc.	\$ -	\$ -	\$ 866,158	\$ -	\$ -	\$ 371,211	\$ 494,948	\$ -	\$ 1,732,317	93
Contract # 007834	Round Hill Branch	13	Buncombe	KCI Associates of NC	\$ -	\$ 282,545	\$ -	\$ -	\$ 201,818	\$ 80,727	\$ -	\$ 40,364	\$ 605,454	94

Contract # 007530	Banner Farm Mitigation Site	14	Henderson	Wildlands Engineering, Inc.	\$ -	\$ 1,472,853	\$ -	\$ 1,052,038	\$ -	\$ 420,815	\$ 210,408	\$ -	\$ 3,156,113	95
Contract #007183	Stewarts Creek Tributaries	11	Surry	Ecosystem Planning and Restoration, LLC	\$ -	\$ 472,230	\$ -	\$ -	\$ 314,820	\$ 314,820	\$ -	\$ 157,410	\$ 1,259,280	96
Contract #007187	Little Sebastian Site	11	Surry	Environmental Banc & Exchange, LLC	\$ 258,707	\$ -	\$ 194,030	\$ -	\$ 129,353	\$ 108,712	\$ -	\$ 63,301	\$ 754,103	97
<b>Subtotal Full Delivery - Current Contracts</b>					<b>\$ 6,576,900</b>	<b>\$ 8,733,343</b>	<b>\$ 8,446,661</b>	<b>\$ 6,572,182</b>	<b>\$ 6,471,298</b>	<b>\$ 10,953,465</b>	<b>\$ 4,266,945</b>	<b>\$ 2,185,103</b>	<b>\$ 54,205,896</b>	

Full Delivery - Payments for New Contracts to be Awarded -- SFY 2019 / 20 / SFY 2020 / 21 (Includes Bank Credit Purchases)	SFY 2019 / 20				SFY 2020 / 21				Total <sup>#</sup>
	Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8	
<b>Subtotal Full Delivery - Payments for New Contracts</b>	<b>\$ 50,000</b>	<b>\$ 390,000</b>	<b>\$ 1,185,000</b>	<b>\$ 1,000,000</b>	<b>\$ 5,000,000</b>	<b>\$ 2,000,000</b>	<b>\$ 6,000,000</b>	<b>\$ 9,000,000</b>	<b>\$ 24,625,000</b>

Full Delivery Total	SFY 2019 / 20				SFY 2020 / 21				Total
	Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8	
	<b>\$ 6,626,900</b>	<b>\$ 9,123,343</b>	<b>\$ 9,631,661</b>	<b>\$ 7,572,182</b>	<b>\$ 11,471,298</b>	<b>\$ 12,953,465</b>	<b>\$ 10,266,945</b>	<b>\$ 11,185,103</b>	<b>\$ 78,830,896</b>

## Monitoring / Maintenance, Repair and Equipment Contracts

### Monitoring

Monitoring - Current Contracts					SFY 2019 / 20				SFY 2020 / 21				Total	
					Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8		
Contract Number	Site Name	Division	County	Consultant										
Contract #006604	Heath Dairy	8	Randolph	Mogensen Mitigation, Inc.	\$ 3,250	\$ 3,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,500	98
Contract #D16025i	Bowman Site	8	Randolph	Carolina Silvics	\$ -	\$ 1,397	\$ -	\$ -	\$ -	\$ 699	\$ -	\$ -	\$ 2,096	99
Contract #7683	Mud Lick Creek	8	Chatham	Axiom Environmental	\$ 2,100	\$ 3,500	\$ -	\$ 2,800	\$ 2,100	\$ 3,500	\$ -	\$ 2,800	\$ 16,800	100
Contract #006617	Crooked Creek II	10	Union	Wildlands Engineering, Inc.	\$ 7,000	\$ -	\$ 7,000	\$ -	\$ 7,000	\$ -	\$ 7,000	\$ -	\$ 28,000	101
Contract #006844	Little Pine III	11	Alleghany	Wildlands Engineering, Inc.	\$ 7,250	\$ -	\$ 14,500	\$ -	\$ 7,250	\$ -	\$ 14,500	\$ -	\$ 43,500	102
Contract #006843	Glade Creek II	11	Alleghany	Wildlands Engineering, Inc.	\$ 5,850	\$ -	\$ 11,700	\$ -	\$ 5,850	\$ -	\$ 11,700	\$ -	\$ 35,100	103
Contract #006496	Hogan Creek	11	Surry	Wildlands Engineering, Inc.	\$ -	\$ 11,200	\$ -	\$ -	\$ -	\$ 11,200	\$ -	\$ -	\$ 22,400	104
Contract #005717	UT Martin Creek/Martin II	14	Cherokee	Axiom Environmental, Inc.	\$ 14,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,900	105
Contract #004661	Big Harris	12	Cleveland	Western Carolina Univ.	\$ 5,320	\$ 5,320	\$ 5,320	\$ 5,320	\$ 5,320	\$ 5,320	\$ 5,320	\$ 5,320	\$ 42,560	106
Contract #6977	Channel Adjustments <sup>5</sup>	Multiple	Statewide	NCSU	\$ 16,000	\$ 16,000	\$ 16,000	\$ 16,392	\$ -	\$ -	\$ -	\$ -	\$ 64,392	107
Contract #7542	Bank Erosion Pred. <sup>5</sup>	Multiple	Statewide	NCSU	\$ 17,274	\$ 17,274	\$ 17,274	\$ 17,274	\$ 17,274	\$ 17,274	\$ 17,274	\$ 17,274	\$ 138,192	108

2019 - 2020 DMS Biennial Budget

Contract #7550	Oviposition-Insects <sup>5</sup>	Multiple	Statewide	NCSU	\$ 10,534	\$ 10,534	\$ 10,534	\$ 10,534	\$ 10,534	\$ 10,534	\$ 10,534	\$ 10,534	\$ 84,272	109
<b>Subtotal Monitoring - Current Contracts</b>					\$ 89,478	\$ 68,475	\$ 82,328	\$ 52,320	\$ 55,328	\$ 48,527	\$ 66,328	\$ 35,928	\$ 498,712	

Monitoring - New Contracts to be awarded SFY 2019 / 20 / SFY 2020 / 21					SFY 2019 / 20				SFY 2020 / 21				Total	
					Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8		
Monitoring <sup>2</sup>	Statewide	Multiple	Statewide	Undetermined	\$ 12,500	\$ -	\$ 6,250	\$ 12,500	\$ 12,500	\$ 6,250	\$ 6,250	\$ 12,500	\$ 68,750	
Research/Development <sup>6</sup>	Statewide	Multiple	Statewide	Undetermined	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 320,000	
OcuMap <sup>7</sup>	Statewide	Multiple	Statewide	Reality IMT	\$ -	\$ -	\$ -	\$ 2,400	\$ -	\$ -	\$ -	\$ 2,400	\$ 4,800	
Basemap Upgrade <sup>7</sup>	Statewide	Multiple	Statewide	Reality IMT or TBD	\$ 14,350	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,350	
<b>Subtotal Monitoring- New Contracts</b>					\$ 66,850	\$ 40,000	\$ 46,250	\$ 54,900	\$ 52,500	\$ 46,250	\$ 46,250	\$ 54,900	\$ 407,900	

Monitoring - Total					SFY 2019 / 20				SFY 2020 / 21				Total	
					Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8		
					\$ 156,328	\$ 108,475	\$ 128,578	\$ 107,220	\$ 107,828	\$ 94,777	\$ 112,578	\$ 90,828	\$ 906,612	

## Monitoring / Maintenance, Repair and Equipment Contracts (page 2)

### Maintenance, Repair and Equipment

Maintenance, Repair and Equipment - Current Contracts					SFY 2019 / 20				SFY 2020 / 21				Total	
					Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8		
<b>Contract Number</b>	<b>Site Name</b>	<b>Division</b>	<b>County</b>	<b>Consultant</b>										
Contract #D16005i	InvasiveManagement	Multiple	Statewide	Carolina Silvics	\$ 2,350	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,350	110
Contract #D16029S	Hogan Creek - Invasives	11	Surry	HARP	\$ -	\$ 5,310	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,310	111
Contract #007678	Little Pine III (Invasives)	11	Alleghany	HARP	\$ 8,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,500	112
Contract #007451	Crooked Creek II (Invasives)	10	Union	Carolina Silvics	\$ -	\$ 12,300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,300	113
<b>Maintenance, Repair and Equipment - Current Contracts Subtotal</b>					\$ 10,850	\$ 17,610	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 28,460	

Maintenance, Repair and Equipment - New Contracts to be awarded					SFY 2019 / 20				SFY 2020 / 21				Total	
					Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8		
Maintenance and repair <sup>3</sup>	Multiple	Multiple	various	tbd	\$ -	\$ -	\$ 2,500	\$ -	\$ 2,500	\$ -	\$ -	\$ -	\$ 5,000	
Gauges and Equipment <sup>4</sup>	Multiple	Multiple	various	tbd	\$ 2,500	\$ 2,500	\$ 4,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 2,500	\$ 22,000	
<b>Maintenance, Repair and Equipment - New Contracts Subtotal</b>					\$ 2,500	\$ 2,500	\$ 7,000	\$ 2,500	\$ 5,000	\$ 2,500	\$ 2,500	\$ 2,500	\$ 27,000	

Maintenance, Repair and Equipment - Total					SFY 2019 / 20				SFY 2020 / 21				Total	
					Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8		

</									

Monitoring / Maintenance, Repair and Equipment - Total	SFY 2019 / 20				SFY 2020 / 21				Total
	Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8	
	\$ 169,678	\$ 128,585	\$ 135,578	\$ 109,720	\$ 112,828	\$ 97,277	\$ 115,078	\$ 93,328	

<sup>1</sup>Includes any new or remaining acquisitions requiring DB / DBB implementation.

<sup>2</sup>New Monitoring is based on projects currently in design or construction.

<sup>3</sup>Based on current maintenance cost data

<sup>4</sup>Equipment costs based on maintenance required for existing gauges

<sup>5</sup>Monitoring physical and biological parameters pre- and post-construction.

<sup>6</sup>Research and monitoring projects are currently be developed to address the ability to detect changes in water quality parameters within the 7 year monitoring period. Projects currently in development include:

A-Efficacy of detecting changes in surface water temperature changes pre and post restoration.

B-Predicting pre and post restoration changes in nutrient loading by coupling water quality and quantity models that have been calibrated with measured pre and post construction data.

C-Evaluating the ecological effect of pond removal in restoration when ponds are sinks or sources.

<sup>7</sup>OcuMap is a cloud-based 360-degree geovideo mapping platform.

# Summary of Long-Term Management Costs

DMS Biennial Budget State Fiscal Years (SFY) 2019 / 20 and 2020 / 21

	SFY 2019 / 20				SFY 2020 / 21				Total
	Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8	
L-T Management	\$ 583,000	\$ 453,000	\$ 389,375	\$ 289,375	\$ 304,125	\$ 304,125	\$ 304,125	\$ 304,125	<b>\$ 2,931,250</b>

## NOTES:

The budget is based on the number of projects currently in long-term management, the number of projects that are expected to be closed out and transferred into long-term management in SFY 2019 / 20 and SFY 2020 / 21, and the Standard Operation Procedures agreed to by NCDEQ and NCDOT. Includes Long-Term Manager salary (85%), administration, legal and project monitoring cost.

Projects in Long-term Management and Projects entering

Project ID	Project Name	County
7	Adkins Branch	Lenoir
23	Barra Farms I	Cumberland
118	Dismal Swamp Full-Delivery	Tyrell
123	East Tarborro Canal (G)	Edgecombe
176	Hillcrest Bay	Hoke
197	Johnson Site (Hunting Creek)	Iredell
204	Ken-Cox (Millstone Creek)	Randolph
242	McDonalds Pond	Richmond
253	Mill Creek (formerly Uwharrie Heritage)	Randolph
256	Mocassin Creek (G)	Wake
258	Morgan Creek Floodplain	Orange
261	Naked Creek	Wilkes
283	Perry Property (UT to Pembroke)	Chowan
317	Rowan Branch	Sampson
434	UT to Crooked Creek/Speas Property (G)	Franklin
441	Nicholls Farm (Troublesome Creek)	Bertie
671	Greenbrier Creek	Alamance
733	Lewis Creek	Henderson
739	Big Harris Creek	Cleveland
749	Little Troublesome	Rockingham
854	Glade Creek	Alleghany
856	Little Pine Creek II	Alleghany
857	UT to Crab Creek	Alleghany
92015	Hyco Lake Bessemer	Caswell
92017	Chowan River Harrell	Chowan
92018	Shelton Creek Tucker-Daniel 2	Granville
92020	Fishing Creek Edwards 1	Nash
92021	Fishing Creek Green	Warren
92022	Fishing Creek IP/Alston	Warren
92023	Little Shocco Creek O'Neal	Franklin
92024	Little Shocco Creek Speed	Warren
92025	Little Shocco Creek Tomlinson	Franklin
92026	North Fork Upper Tar River Winslow	Granville



Projects in Long-term Management and Projects entering

Project ID	Project Name	County
92027	Swift/Sandy Creek A&P Timber	Franklin
92028	Sandy Creek Parrish	Franklin
92029	Shelton Creek Peterson	Granville
92030	Shelton Creek Tucker-Daniel 1	Granville
92031	Shocco Creek Alston 1-4	Franklin
92032	Tar River Averett	Granville
92033	Tar River B Harris	Granville
92034	Tar River Hodges	Franklin
92035	Cedar Creek Perry	Franklin
92038	Fishing Creek Capps Farm	Warren
92039	Fishing Creek Capps Forest	Warren
92041	Fishing Creek Hall	Edgecombe
92044	Fishing Creek Shearin	Warren
92046	Fishing Creek Sturges	Franklin
92047	Little Shocco Creek Wheless	Franklin
92050	Reedy Creek Johnston	Warren
92051	Swift/Sandy Creek Faulkner	Franklin
92052	Sandy Creek Mullen	Franklin
92054	Swift/Sandy Creek Young	Franklin
92055	Shelton Creek Slaughter	Granville
92056	Shelton Creek Thorp/Morton	Granville
92057	Shocco Creek D Davis	Warren
92066	Tar River Betty Crews	Granville
92069	Tar River Dean	Granville
92071	Tar River Oakley	Granville
92072	Tar River Pitts	Granville
92073	Tar River Roy Crews	Granville
92075	Tar River Sherman	Granville
92076	Tar River Sherman 2	Granville
92077	Tar River Smitherman	Granville
92080	Tar River Pories	Pitt
92081	Sevenmile Creek Camp Chestnut Ridge	Orange
92089	New Hope Creek Penny	Orange

Projects in Long-term Management and Projects entering

Project ID	Project Name	County
92090	New Hope Creek Trinity School	Orange
92092	Deep River Jordan	Moore
92093	Deep River M. Paschal	Moore
92096	Glendon Slate Creek Paschal	Moore
92101	Big Pond Bay Gardner	Cumberland
92105	Mill Creek Steele	Surry
92106	Barnes Creek Grissom	Montgomery
92107	Dutch Second Creek Hill	Rowan
92108	Uwharrie River Bingham	Montgomery
92109	Uwharrie River Cochran	Montgomery
92110	Uwharrie River Whatley	Randolph
92111	Little River Walbourn	Randolph
92112	Little River Baker	Randolph
92113	Little River Cochran	Montgomery
92114	Little River Parker	Randolph
92116	Dutch Buffalo Creek Walker	Cabarrus
92117	Dutch Buffalo Creek Wickliff	Cabarrus
92118	Hitchcock Creek McDonald	Richmond
92120	Deep - Horse Creek McKean	Moore
92124	Green River Boyer	Polk
92125	Green River Ward	Polk
92128	North Pacolet Childers	Polk
92130	Skyuka Creek Luthi	Polk
92132	Big & Little Rock Creek Bruchon	Mitchell
92134	Roanoke River-IP-Blue Sky Timber Tract 42-14	Halifax
92135	Roanoke River-IP-Blue Sky Timber Tract 42-15	Halifax
92136	Langley Site-Cypress Creek	Franklin
92137	Shocco Creek LLC-Little Shocco Creek	Franklin
92138	Harper Tract-Swift Creek	Franklin
92139	Allen Tract	Franklin
92140	William O'Neal Tract-Swift Creek	Franklin
92141	McNair Tract (Turpentine; LLC)-Aycok Creek	Granville
92142	Guthrie Tract-Shelton Creek	Granville

## Projects in Long-term Management and Projects entering

Project ID	Project Name	County
92143	Lester Capps Tract-Shocco Creek	Warren
92144	Fishing Creek (Capps Tract)	Warren
92146	Flat River-Horton Grove	Durham
92151	Newton Tract-White Pines	Chatham
92152	Great Coharie-TNC	Sampson
92155	Wallace Deer Club (Swinson Tract)	Pender
92157	Davis Tract-Yadkin River	Davie
92158	Len's Knob & Little Mountain	Surry
92159	Pickler's Bluff	Rowan
92160	Lambert Tract-Uwharrie River Bluff	Montgomery
92161	Lewis Tract; Little River	Randolph
92162	Bishop Tract-Canal Branch	Anson
92164	Beaver Dam-Drowning Creek II (Rankin Tract)	Moore
92165	Wimberley Tract-Nat's Creek	Moore
92167	Rankin Tract	Gaston
92170	Old Cove Tract-Green River-Burdett Property	Polk
92172	Elk-Shoals-Methodist Camp	Ashe
92205	Collins Site	Orange
92207	Brown Farm	Durham
92217	Beaverdam Creek	Mecklenburg
92218	Silver Creek-Conway	Burke
92219	Gray Farm	Iredell
92226	Conoconnara Swamp	Halifax
92227	Modlin Site	Martin
92228	Gatlin Swamp	Martin
92229	Daniels Farm II	Franklin
92230	Harrell Site	Edgecombe
92234	Simpson Wetland	Beaufort
92237	Second Creek Wetlands; Double Thumb	Rowan
92241	Sharpe Wetland Preservation	Rockingham
92245	Crowther North South Yadkin River	Rowan
92248	Mark's Creek TESC	Wake
92325	Cane Creek	Person

Projects in Long-term Management and Projects entering

Project ID	Project Name	County
92328	Mason Farm	Hyde
92329	Crown's West	Onslow
92343	Glade Creek II	Alleghany
92347	UT Bear Creek (Weaver/McLeod Property) (G)	Chatham
92351	Meadowbranch	Robeson
92372	Little Alamance Creek (Burlington Park)	Alamance
92471	UT to Hauser Creek	Davie
92486	Floogie Site	Bertie
92497	Newfound Creek	Buncombe
92508	Wildcat Branch	Moore
92515	Logan Creek	Jackson
92516	Blockhouse Creek	Polk
92517	Brown Marsh Swamp	Robeson
92518	Pinch Gut Tributary	Stokes
92520	Ellington Branch	Warren
92521	Cane Creek (FD)	Rutherford
92522	Puzzle Creek	Rutherford
92523	Holly Grove	Guilford
92524	Thompson's Fork and Tributary	McDowell
92526	Anderson Swamp	Edgecombe
92527	Morgan Creek	McDowell
92528	Tributary to Reedy Fork Creek	Guilford
92530	Beaverdam Swamp	Harnett
92531	Morgan Creek (French Broad)	Haywood
92532	Big Cedar Creek	Stanly
92533	Dog Bite Creek	Mitchell
92534	Little White Oak	Polk
92543	Davis Branch	Union
92544	Duke Swamp	Gates
92545	601 West Property	Union
92546	601 North Property	Union
92547	Cutawhiskie Creek	Hertford
92548	Powell Property	Bertie

Projects in Long-term Management and Projects entering

Project ID	Project Name	County
92550	Jarmans Oak	Onslow
92551	Wolf Pond	Union
92552	Farrar Dairy	Harnett
92556	Stricker Branch	Cabarrus
92557	Timberlake (Great Dismal Swamp)	Tyrell
92558	Fisher River Fisher Peak	Surry
92573	McKee Creek	Cabarrus
92586	Beaverdam Creek and Trib (Parker Site)	Union
92598	UT to Back Creek	Orange
92611	North Muddy Creek	McDowell
92633	Martins Creek II	Cherokee
92664	Three Mile Creek	Avery
92665	Elk Branch	Mitchell
92666	Badin Inn	Stanly
92684	UT West Branch Rocky River	Mecklenburg
92694	UT to Haw (Beckom)	Alamance
92758	Rockwell Pastures	Stanly
92759	Little River Farm	Montgomery
92760	Columbus Swamp	Robeson
92763	East Buffalo Creek	Graham
92764	Snowbird Tributaries	Graham
92766	UT to Martins Creek (Contreras)	Cherokee
92812	Flint Rock Farm #2	Rockingham
93876	UT to Goose Creek (Coats)	McDowell
94068	UT to Lumber River	Robeson
94147	Little Buffalo Creek Stream Mitigation Site	Cabarrus
94148	Scaly Bark Creek	Stanly
94151	North Fork Mountain Creek Mitigation Site	Catawba
94640	Little Troublesome Creek Mitigation Site	Rockingham
94642	Herman Dairy	Alexander
94646	Summit Seep	Davidson
94647	Buffalo Flats	Cabarrus
94648	UT to Town Creek	Stanly

## Projects in Long-term Management and Projects entering

Project ID	Project Name	County
94708	Hogan Creek	Surry
94903	Little Pine Creek III	Alleghany
95018	Muddy Run Site	Duplin
95021	Devils Racetrack Mitigation Site	Johnston
95023	Jacobs Ladder Site	Rowan
95024	Jacobs Landing Site	Rowan
95025	601 North II Stream Restoration Site	Union
95026	Town Creek Restoration Project	Stanly
95027	Junes Branch Stream Restoration Site	Jackson
95350	Pee Dee Stream Restoration Site	Montgomery
95351	Brown Creek Tributaries Project	Anson
95352	Hopewell Stream Mitigation Site	Randolph
95353	Best Site	Duplin
95354	Muddy Run II Site	Duplin
95355	Hofler Property	Gates
95356	Stanleys Slough Stream and Wetland Site	Northampton
95359	Poplin Ridge Site	Union
95360	Norkett Branch	Union
95715	Foust Creek Mitigation Site	Alamance
95716	Agony Acres Mitigation Site	Guilford
95717	Norman's Pasture Stream and Riparian Wetland	Sampson
95718	Cedar Creek	Sampson
95719	UT to Millers Creek Site	Duplin
95721	Bowl Basin Non-Riparian Wetland Mitigation	Onslow
95729	UT to Cane Creek	Alamance
95756	601 East Stream Restoration Project	Union
95838	Stanley's II	Northampton
96306	Henry Fork Stream and Wetland Mitigation Project	Catawba
96309	Roses Creek Stream Mitigation Site	Burke
96310	Norman's Pasture II	Sampson
96311	Abbey Lamm Stream and Wetland	Alamance
96312	Aycock Springs Stream and Wetland	Alamance
96313	Browns Summit Creek Restoration Project	Guilford

Projects in Long-term Management and Projects entering

Project ID	Project Name	County
96314	Maney Farm Stream Mitigation Site	Chatham
96315	Candy Creek Stream Mitigation Site	Guilford
96316	Holman Mill Stream Mitigation Project	Alamance
96582	Vile Creek Mitigation Site	Alleghany
97009	Cedar Branch Restoration Site	Randolph
97063	Black Gum Creek	Robeson
97071	Tar River Headwaters Wetland Restoration Site	Person
97079	Pen Dell Mitigation Project	Johnston
97080	Edwards-Johnson Mitigation Project	Johnston
97081	Lake Wendell Mitigation Project	Johnston
97082	Dry Creek Mitigation Site	Durham
97083	Lochill Farm Stream Mitigation Project	Orange
97084	Buckwater Mitigation Site	Orange
97085	Stony Fork Restoration Site	Johnston
97086	Alliance Headwaters Stream Mitigation Site	Johnston
97135	Lone Hickory Mitigation Site	Yadkin
97136	Mill Dam Creek Restoration Project	Yadkin
100004	Fletcher Stream and Wetland Site	Henderson
100005	Harrell Stream and Wetland Site	Jackson
100017	Seniard Creek	Henderson
100018	Shake Rag Branch	Madison
100019	Warren Wilson College	Buncombe
100020	Whittier Creek	Surry
100021	Mockingbird Site	Davie
100022	Catbird Site	Davie
100023	Stewarts Creek Tributaries	Surry
100024	Meadow Brook Site	Yadkin
100025	Key Mill Site	Surry
100026	Horne Creek Tributaries	Surry
100027	Little Sebastian Site	Surry
100038	McClenney Acres Mitigation Site	Wayne
100039	Catfish Pond Mitigation Site	Durham
100040	Sassarixa Swamp Mitigation Site	Johnston

Projects in Long-term Management and Projects entering

Project ID	Project Name	County
100044	Barefoot Project	Sampson
100047	Blair Creek	Clay
100049	Groundhog Hollow	Alexander
100053	Rough Horn Swamp II Restoration Site	Columbus
100054	Bear Swamp Stream & Wetland Site	Robeson
100055	Shaw's Run Stream & Wetland Site	Columbus
100057	Phantom Mill	Alamance
100058	Slingshot	Rockingham
100060	Sandy Branch	Chatham
100062	Banner Farm Mitigation Site	Henderson
100063	Apple Valley Project	Henderson
100064	Owen Farms Stream and Wetland Mitigation Site	Transylvania
100065	Morgan Branch Restoration Site	Buncombe
100066	Round Hill Branch Restoration Site	Buncombe
100068	UT to Rush Fork Stream Mitigation Project	Haywood
100069	Monkey Wall Project	Mitchell
100077	Sliver Moon II	Craven
100076	Hornpipe Branch Tribs	Lenoir
100082	Double H Farms	Alleghany
100080	Banner Branch	Stokes
100083	Honey Mill	Surry
100085	Lyon Hills	Wilkes
100084	Bug Headwaters	Wilkes
100090	Carpenter Bottom	Gaston
100093	Perry Hill	Orange
100094	Strawberry Hill	Johnston
100095	Cowford Project	Onslow



# CFR Planning Framework

Watershed Planning budgets traditionally focus on finding adequate, cost effective mitigation projects that will provide the optimal environmental returns for the state's mitigation investments. The 2019 / 2020 biennial budget includes funding to complete the River Basin Restoration Priority (RBRP) update process and incorporate improvements to modeling capacity. The Division has improved its River Basin Restoration Priority (RBRP) processes to realize cost efficiencies and to improve the utility of planing products. The updated process emphasizes functional analyses at variable spatial scales and data will be used to further support LWP updates within high impact Cataloging Units based upon TIP prioritization.

In addition to the previously approved CF 02/03 regional plan, DMS has incorporated funding for the development of a regional watershed plan in French Broad potentially 05 or 08 in anticipation of extensive future mitigation needs in this service area.

Current Watershed Plans (active contracts)*	SFY 2019 / 20				SFY 2020 / 21				Total
	Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8	
<b>Watersheds</b>									
RBRP and existing LWP updates	\$ 42,500	\$ 42,500	\$ 42,500	\$ 42,500	\$ 42,500	\$ 42,500	\$ 42,500	\$ 42,500	\$ 340,000
USGS Hydrology Modeling Improvement	\$ 37,500	\$ 37,500	\$ 37,500	\$ 37,500	\$ -	\$ -	\$ -	\$ -	\$ 150,000
<b>Subtotal - Project Development Current Contracts Projected Cost</b>	<b>\$ 80,000</b>	<b>\$ 80,000</b>	<b>\$ 80,000</b>	<b>\$ 80,000</b>	<b>\$ 42,500</b>	<b>\$ 42,500</b>	<b>\$ 42,500</b>	<b>\$ 42,500</b>	<b>\$ 490,000</b>

Project Development - New Contracts Projected Cost**	SFY 2019 / 20				SFY 2020 / 21				Total
	Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8	
CF 02/03 Regional Plan	\$ 21,250	\$ 21,250	\$ 42,500	\$ 42,500	\$ 63,750	\$ 62,000	\$ 25,500	\$ 21,250	\$ 300,000
FB 05 Regional Plan	\$ -	\$ -	\$ 42,500	\$ 42,500	\$ 42,500	\$ 42,500	\$ 42,500	\$ 42,500	\$ 255,000
NCSU GAP Habitat Modeling Improvement	\$ -	\$ -	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 240,000
<b>Subtotal - Project Development - New Contracts</b>	<b>\$ 21,250</b>	<b>\$ 21,250</b>	<b>\$ 125,000</b>	<b>\$ 125,000</b>	<b>\$ 146,250</b>	<b>\$ 144,500</b>	<b>\$ 108,000</b>	<b>\$ 103,750</b>	<b>\$ 795,000</b>

CFR Planning Framework - TOTAL	SFY 2019 / 20				SFY 2020 / 21				Total
	Quarter #1	Quarter #2	Quarter #3	Quarter #4	Quarter #5	Quarter #6	Quarter #7	Quarter #8	
	<b>\$ 101,250</b>	<b>\$ 101,250</b>	<b>\$ 205,000</b>	<b>\$ 205,000</b>	<b>\$ 188,750</b>	<b>\$ 187,000</b>	<b>\$ 150,500</b>	<b>\$ 146,250</b>	<b>\$ 1,285,000</b>

## NOTES:

\*Estimated cost includes improvements to RBRP modeling capacity and application of data to update existing LWPs.

\*\*FY 16/17 budget approved funding for CF 02/03 Regional Plan. Previously approved contingency funds are being applied to FB 05 Regional Plan.



## **Logo/ Tourist Oriented Directional Signs Program Administrative Code**

### **Background**

Per North Carolina General Statute (G.S.) §150B-21.3A, passed during the 2013 legislative session, all administrative code/rules adopted pursuant to G.S. 150B Article 2A will be reviewed every 10 years to make sure the rules are still necessary, within the agency's authority, and to address programs that still exist. Rules, as a result of the review, that were deemed necessary with public interest are required to be readopted. The North Carolina Department of Transportation (NCDOT) completed the reviews and the agency is readopting applicable rules.

### **Information**

Currently, NCDOT is readopting rules in 19A NCAC Chapter Two – Division of Highways. The Secretary of Transportation is the rule-making authority for all rules except those pertaining to the Logo Program and Tourist Oriented Directional Signs (TODS) Program. The Board of Transportation is the rule-making authority for the four rules associated with the Logo/TODS program.

### **Action**

Staff is recommending that the rules be readopted without substantive changes by the Board of Transportation.

The standard process leading to a re-adoption request has been accomplished. In December 2018, the Board of Transportation approved submitting the rules to the Office of Administrative Hearings for publishing in the North Carolina Register and to begin the public comment period. As required by the re-adoption process, the proposed rules were posted on the agency website and open for public comment for 60 days. No comments were received.

1 19A NCAC 02E .0221 is proposed for re adoption without substantive changes as follows:

2  
3 **19A NCAC 02E .0221 LOGO PROGRAM FEES**

4 (a) All ~~logo signs~~ signs, to which individual Logo Signing Program business panels are attached, shall be ~~constructed~~  
5 constructed, owned, and maintained by the Department. ~~These logo signs shall be owned by the Department.~~ The  
6 participating logo business shall pay an annual fee as set forth in this Rule, ~~established by the Board of Transportation.~~  
7 ~~All logo contracts existing under prior administrative code provisions are terminated in accordance with the terms of~~  
8 ~~those contracts. However, existing participants shall not be required to reapply, but shall be required to sign an~~  
9 ~~appropriate contract in accordance with the new regulations in order to continue their participation.~~

10 (b) Owners, operators, or lessees of fuel, gas, food, lodging, camping, and attraction facilities who wish to place a  
11 logo identifying their business or service on a sign as part of the Logo Signing Program may access, at no cost, the  
12 following website for program administration information: [https://connect.ncdot.gov/resources/safety/Pages/Signing-](https://connect.ncdot.gov/resources/safety/Pages/Signing-and-Delineation.aspx)  
13 and-Delineation.aspx. The fee for participation in the Logo program ~~is~~ shall be as follows: ~~Mainline, mainline, ramp,~~  
14 ~~and trailblazer panels~~ are shall be billed an annual fee of three hundred dollars (\$300.00) per each mainline, ~~ramp~~  
15 ~~ramp,~~ and trailblazer panel. The initial payment of the fee shall be paid prior to installation. The contract shall run  
16 ~~runs~~ for one year from the date of installation. Contracts shall be renewed ~~annually~~ annually, and the fee ~~is~~ shall be  
17 due at the contract renewal date. Every participating business that meets program requirements ~~has~~ shall have a valid  
18 contract and ~~pays~~ all required fees shall be automatically renewed, ~~renewed except for provisional contracts which~~  
19 ~~shall be reviewed by the Department annually prior to renewal.~~

20 (c) The participating logo business shall provide a new or renovated business panel when necessary due to damages  
21 caused by acts of vandalism, accidents, or natural causes including natural deterioration. If the Department replaces  
22 a business panel on a logo sign or removes or masks a business panel because of seasonal operation, there shall be no  
23 additional charge to the business.

24 (d) The fee shall be paid by check or money order and ~~is~~ shall be due in advance of the period of service covered by  
25 the fee. Failure to pay a fee when due ~~is~~ shall be grounds for removal of the business panels and termination of the  
26 contract.

27  
28 *History Note: Authority G.S. 136-89.56; 136-137; 136-139; 143B-346; 143B-348; 143B-350(f); 23 C.F.R. 750,*  
29 *Subpart A; 23 U.S.C. 131(f);*  
30 *Eff. April 1, 1982;*  
31 *Amended Eff. July 1, 2000; August 1, 1998; April 1, 1994; October 1, 1993; December 1, 1992;*  
32 *September 1, 1990;*  
33 *Temporary Amendment Eff. October 13, 2003;*  
34 *Amended Eff. February 1, 2004*

1 19A NCAC 02E .1103 is proposed for readoption without substantive changes as follows:

2  
3 **19A NCAC 02E .1103 LOCATION OF TODS**

4 The Department shall ~~control~~ administer the erection and maintenance of official signs giving specific information of  
5 interest to the traveling public in accordance with following criteria. ~~criteria:~~

- 6 (1) The Department shall limit the placement of TODS panels to highways, other than ~~fully~~ controlled  
7 access highways that are either in rural unincorporated areas or in towns or cities with a population  
8 of less than 40,000.
- 9 (2) The Department shall only erect panels at at-grade intersections. ~~intersections (at grade)~~. An at-  
10 grade intersection is an intersection ~~which is~~ that is controlled by stop signs or traffic signals.  
11 Trailblazers shall be installed ~~when an attraction is not located on a state highway and if~~ further  
12 direction is needed to guide the tourist from the intersection to the attraction.
- 13 (3) ~~Panels~~ Panel placement shall be determined by the Department according to the ~~located in a manner~~  
14 ~~to take advantage of~~ natural terrain and to shall not block scenic vistas. ~~have the least impact on the~~  
15 ~~scenic environment.~~
- 16 (4) A separate sign panel shall be provided on the intersection approach for each eligible attraction.  
17 Panels shall be allowed in each direction only when lateral spacing is available. The number of  
18 TODS panels shall not exceed a total of six per approach with only one attraction name on each  
19 TODS panel.
- 20 (5) The center of the mainline TODS intersection shall not be more than five driving miles from the  
21 eligible attraction and shall not be placed where prohibited by local ordinance.
- 22 (6) If an attraction is not located directly on a State highway, ~~it is~~ shall be eligible for TODS panels  
23 only if both of the following requirements are met:
- 24 (a) ~~It is the attraction shall be~~ located on a street that ~~directly~~ connects with a ~~state~~ State  
25 maintained road; and road.
- 26 (b) ~~It is the attraction shall be~~ located so that only one TODS Trailblazer, placed on a ~~state~~  
27 State maintained road, will lead the tourist to the attraction.
- 28 (7) Sign panels shall not be placed ~~immediately~~ in advance of the attraction if ~~its~~ on-premise advertising  
29 signs are ~~readily~~ visible from the highway.
- 30 (8) TODS panels shall be located at least 200 feet in advance of the main intersection. Signs shall be  
31 spaced at least 200 feet apart and at least 200 feet from other traffic control devices. TODS panels  
32 shall not be located more than one-half (0.5) mile from the center of the main intersection and shall  
33 not be placed in the signing sequence for any other prior intersections.
- 34 (9) ~~Existing warning, Warning, regulatory, guide~~ guide, or other official highway signs shall take  
35 precedence over TODS.
- 36

1     *History Note:*     *Authority* G.S. 136-89.56; ~~136-130;~~ 136-140.15; 136-140.16; 136-140.17; 136-140.18; ~~136-~~  
2                         ~~140.17; 136-140.18;~~ 136-140.19; ~~143B-346; 143B-348; 143B-350(f);~~  
3                         *Temporary Adoption Eff. January 1, 2003;*  
4                         *Eff. August 1, 2004.*

1 19A NCAC 02E .1106 is proposed for readoption without substantive changes as follows:

2  
3 **19A NCAC 02E .1106 FEES**

4 (a) The annual fee for each TODS panel or Trailblazer shall be two hundred dollars (\$200.00).

5 (b) All participating businesses shall pay the annual fee prior to installation of the TODS panel(s).

6 (c) The annual fee shall be paid by check or money order and ~~is~~ due in advance of the period of service requested.  
7 ~~covered by said fee.~~ Failure to pay a fee when due ~~is~~ shall be grounds for removal of the TODS panel. ~~panel and~~  
8 ~~termination of the contract.~~

9  
10 *History Note: Authority G.S. ~~136-89.56; 136-130; 136-140.15; 136-140.16; 136-140.17; 136-140.18; 136-~~*  
11 *~~140.19; 143B-348; 143B-350(f);~~*  
12 *Temporary Adoption Eff. January 1, 2003;*  
13 *Eff. August 1, 2004.*

1 19A NCAC 02E .1105 is proposed for readoption without substantive changes as follows:

2  
3 **19A NCAC 02E .1105 COMPOSITION OF SIGNS**

4 (a) No TODS panel shall be displayed in a manner ~~which that~~ would mislead or misinform the traveling public.

5 (b) Any messages that interfere with, imitate, or resemble any official warning or regulatory traffic sign, ~~signal~~ signal,  
6 or similar device ~~are~~ shall be prohibited.

7 (c) Each ~~specific~~ TODS panel shall include only information ~~that is~~ related to that ~~specific~~ attraction.

8 (d) TODS panel and trailblazer designs shall be in conformance with the standards as specified in the MUTCD, as  
9 defined in G.S. 136-130, and approved by the ~~Department~~ Department, prior to fabrication and shipment.

10  
11 *History Note: Authority G.S. ~~136-89.56; 136-130; 136-140.15; 136-140.16; 136-140.17; 136-~~*  
12 *~~140.19; 143B-346; 143B-348; 143B-350(f);~~*

13 *Temporary Adoption Eff. January 1, 2003;*

14 *Eff. August 1, 2004.*



North Carolina Department of Transportation  
Transportation Program Management Unit - Value Management  
Innovative Technologies and Products Awareness Report  
June 5, 2019



## PRODUCT HIGHLIGHT – Recycled Foamed Glass Aggregate



Close-up image of FGA G15 – image from Aero Aggregates' website

FGA G15 foamed glass aggregate is currently being evaluated by the Department and is listed on the Approved Products List under NP19-8452 with an Approved for Provisional Use status.

For more information, please visit:  
<https://aeroaggregates.com>.

FGA G15, produced by Aero Aggregates of North America out of Eddystone, Pennsylvania, is an ultra-lightweight foamed glass aggregate made from 100 percent post-consumer recycled glass. This aggregate is approximately 85 percent lighter than most aggregates obtained from rock quarries. It can be used for projects requiring a lightweight backfill, embankments, or stabilization on top of softer soils. Another feature of foamed glass aggregate is insulation from the glass, which can be beneficial for underground utility pipes and tunnels in colder climates.



FGA G15 placed over underground utilities – image from Aero Aggregates' website

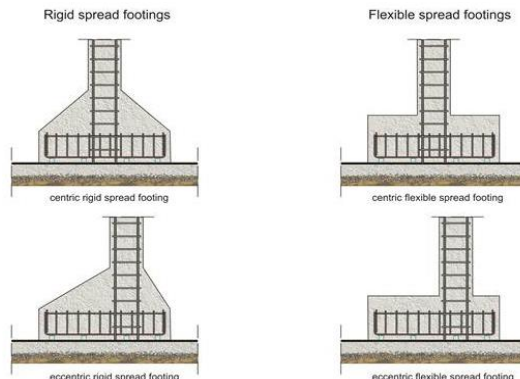
## PRODUCT INNOVATION – Spread Footing Foundations for MSE Walls



Example of MSE Wall at a bridge approach – image from Google image search

To reduce maintenance costs at bridge approaches, the Geotechnical Engineering Unit is evaluating the effects of supporting the bridge superstructure on spread footings (as shown in the image to the right) instead of piles, where bridge approaches are supported on MSE walls. The bridge superstructure is then expected to settle at the same rate as the bridge approach. This was recently done for the first time by the Department on project U-2525C in Guilford County. A total of fourteen footings at five locations were installed along I-840. Other states, such as Washington and Virginia, have noticed long-term improvements using spread footing foundations on MSE walls.

A Mechanically Stabilized Earth (MSE) wall is a type of retaining wall structure comprised of backfill material and soil reinforcement behind a typical precast concrete wall. MSE walls are useful in locations containing large grade separations without room for a typical slope. Bridge approaches are a common location where these can be found. If the bridge superstructure is placed on piles, the bridge approaches can settle more than the superstructure, causing a disjunction between the approach and the bridge deck. Maintenance is then needed, using a filler material such as grout or polyurethane foam, to raise the bridge approach to evenly match the bridge deck.



Examples of spread footing foundations – image from Google image search



# RESOLUTION FOR UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL 2018 NCAA WOMENS FIELD HOCKEY NATIONAL CHAMPIONSHIP

**WHEREAS**, the University of North Carolina at Chapel Hill requests eight championship signs for winning the 2018 Women's Field Hockey National Championship on November 18, 2018; and

**WHEREAS**, the Team won the championship title against the University of Maryland with a 2-0 victory and finished 23-0, becoming the third team in program history to go undefeated; and

**WHEREAS**, the Team won its first national championship since 2009, and its seventh in school history, all under coach Karen Shelton; and

**WHEREAS**, this championship win meets the criteria to obtain a championship sign.

## **NOW, THEREFORE, BE IT RESOLVED:**

That the North Carolina Board of Transportation honors the University of North Carolina at Chapel Hill with eight national championship signs that read *North Carolina Tar Heels 2018 Field Hockey National Champions*.

That appropriate signs will be erected at a suitable time.

Adopted this the 6<sup>th</sup> day of June 2019 by the North Carolina Board of Transportation.

  
Chairman

  
Secretary of Transportation