

# I N D E X

## BOARD OF TRANSPORTATION MEETING

November 7, 2019

	<u>Page No.</u>
Call to Order	9129
Ethics Statement	9129
Approval – Minutes of the October 3, 2019 Open Session and Closed Session Meeting Minutes	9129
Secretary's Remarks	9130
Approval of Projects	9133
 <u>Delegated Authority Items</u>	
Approval – Award of Highway Construction Contracts from the August 2019 Letting	9135
Approval – Award of Contracts to Private Firms for Engineering Services	9141
Approval – Funds for Secondary Road Improvement Projects – Statewide Contingency, Public Access, and Economic Development	9150
Approval – Funds for Division-wide Small Construction, Statewide Contingency, Public Access, and Economic Development	9156
Approval – Funds for Specific Spot Safety Improvement Projects	9170
 <u>Action Items</u>	
Approval – Additions and Abandonments to State Secondary Road System	9151
Approval – Public Transportation Program	9159
Approval – Public Transportation Program	9160
Approval – Rail Program	9162
Approval – Bicycle and Pedestrian	9163
Approval – Aviation Program	9164
Approval – North Carolina Highway Trust Funds	9165

Approval – Funds for Specific Federal Aid Projects	9171
Approval – Revisions to the 2018-2027 and 2020-2029 STIPS	9193
Approval – Municipal and Special Agreements	9202
Approval – Municipal Street System Changes for Powell Bill Program	9212
Approval – Right of Way Resolutions and Ordinances	9213
Approval - Maintenance Allocations	9230
Approval - Submission of Comprehensive Transportation Plans for Mutual Adoption by the Board of Transportation	9231
Committee Reports	9233
Adjournment	9234

## **BOARD OF TRANSPORTATION MEETING**

**November 7, 2019**

### **Call to Order**

Chairman Fox called the meeting of the Board of Transportation to order at 9:03 a.m. on Thursday, November 7, 2019, in Raleigh, North Carolina with the following members present in the Board room: Chairman Fox, Vice-Chair Szlosberg-Landis, Overholt, Perkins, Hunt, Lathrop, Clarke, Bowles, Tulloss, Cody, Taft, Jordan, Tarleton, and Mathis.

Board Member Pope, Debnam, and Zimmer called in to the meeting.

Board Members Moran and Alford were absent.

### **Ethics Statement**

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

### **Approval – October 3, 2019 Open Session and Closed Session Meeting Minutes**

Chairman Fox stated that both the open session and closed session meeting minutes were distributed for review prior to the meeting. Chairman Fox stated if there are no additions or corrections, he would accept a motion to approve both the open session and closed session meeting minutes from the October 3, 2019 Board of Transportation meeting. The meeting minutes were unanimously approved by the Board following a motion made by Board Member Tulloss and a second by Board Member Cody.

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

Chairman Fox presented a resolution naming the I-140 bridge over U.S. 74/76 in Brunswick County as the William M Sue Bridge. The resolution was unanimously approved by the Board upon a motion by Chairman Fox and seconded by Board Member Clarke. (A copy of the resolution is at the end of this document).

Board Member Perkins presented a resolution naming Bridge #141 on Stokes Ferry Road (SR 1004) over South Second Creek in Salisbury as the Officer Robert Y Clement Bridge. The resolution was unanimously approved by the Board upon a motion by Board Member Perkins and seconded by Board Member Tarleton. (A copy of the resolution is at the end of this document).

Board Member Overholt presented a resolution on Tugboat naming for Wanchese, Morehead City, Cape Fear, Hobucken and Manns Harbor. The name of the tugboats are as follows:

- NC-3 tug: WANCHESE
- NC-4 tug: MOREHEAD CITY
- NC-5 tug: CAPE FEAR
- NC-6 tug: HOBUCKEN
- NC-7 tug: MANNS HARBOR

The resolution was unanimously approved by the Board upon a motion by Board Member Overholt and seconded by Board Member Perkins. (A copy of the resolution is at the end of this document).

### **Secretary's Remarks**

Secretary Trogon stated that the department continues to track the cash balance very closely. He acknowledged recent stories in the news. He stated that the department has been open and transparent regarding the impact of storms and the Map Act on the cash balance and will continue to do so. Secretary Trogon shared that there are complexities to managing a \$5 billion business that soundbites don't capture. He emphasized the department is going to remain focused on doing the work of the people despite the challenges we face due to things beyond our control; safety is and will remain our top priority. He specified that the department has begun implementing a number of recommendations from the McKinsey report and are committed to finding every possible strategy to be more efficient.

## **Events Update**

Secretary Trogon shared that on October 4<sup>th</sup> he attended the N.C. Association of Regional Councils of Government forum in Hillsborough, where he gave a general update on the department. The following week, he traveled to Fayetteville, where the department dedicated a 6-mile section of the Fayetteville Outer Loop in honor of Lyndo Tippet, the state's longest-serving transportation secretary. The Cumberland Co. Board requested the honor and the members of our Board of Transportation approved the naming of section from I-95 to Ramsey Street the Lyndo Tippet Highway.

Secretary Trogon indicated on Oct. 28 he attended the Governor's Hometown Strong Event in Martin County/Williamston. He stated this event really focus on connecting people in rural areas with state leaders, allowing them to voice concerns and open lines of communication. The next day, Secretary Trogon gave another update on the department during the general session of the ACEC/NCDOT Joint Transportation Conference here in Raleigh.

## **Tropical Storm Melissa/Hurricane Dorian**

Secretary Trogon listed the trials on N.C. 12 after a protective dune was damaged due to high tides associated with Tropical Storm Melissa. Dune breaches resulted in ocean overwash in several locations between the Marc Basnight Bridge and Rodanthe. Maintenance crews were quick to respond to repair the dune and reopen the highway, as well as clear sand and debris from secondary roads on the Outer Banks. Secretary Trogon shared as for Hurricane Dorian recovery the department continues to work to restore and reopen N.C. 12 on Ocracoke, where the storm washed out a 1,000-foot section of the highway. At this time, the schedule remains on point with the goal of having the highway reopened before Thanksgiving.

## **Complete 540**

Secretary Trogon announced the groundbreaking for the Complete 540 project event will take place next Wednesday on the project site near N.C. 55. The Complete 540 took a major step forward when the Local Government Commission (LGC) voted in favor of issuing bonds. This was an important project with many partners, and this groundbreaking demonstrates what you can do when you work with partners. The tentative completion date for the first phase, from N.C. 55 Bypass to I-40, is 2023.

## **NC Transportation Summit**

Secretary Trogdon urged everyone to go ahead mark your calendars for the 2020 North Carolina Transportation Summit, set for Jan. 8-9, 2020 in Raleigh. He shared this is a self-funded event paid for through sponsorships and registration. Secretary Trogdon thanked the department's partners NC Go!. The Secretary explained that the value of the summit is that we are able to hear from experts about national trends, things to plan for, and new technology, and that's going to help shape the DOT of the future to be ahead of change and not just responding to it. For more information on the event can be found at [www.nctransportationsummit.com](http://www.nctransportationsummit.com).

## **NC Moves Survey**

Secretary Trogdon encouraged everyone to visit [ncmoves.gov](http://ncmoves.gov) and take the short survey there. The survey will help shape the future of transportation in North Carolina. He stressed that the survey is the final opportunity for people to provide input for the long-range plan. Secretary Trogdon mentioned while 2050 may seem like a long way off, now is the time to speak up and share what is important to you. It's important for us to hear from people what they want the state to look like.

## **Personnel Changes**

Secretary Trogdon communicated that the department has had a few significant staff changes over the past several weeks. Secretary announced the changes and congratulated staff along with members of the Board. In late October former Division Four Engineer Ronnie Keeter accepted the position of eastern deputy chief engineer. Last week, former Division Three Construction Engineer Kevin Bowen was introduced as the new division engineer to succeed Keeter in Division Four. Secretary Trogdon shared Chad Kimes will be the new Division Three Engineer, taking the role following the retirement of Karen Collette. Secretary Trogdon congratulated everyone on these career steps and thank you all for your hard work that has been and will continue to be critical to the department.

Secretary Trogdon asked Karen Collette to come forward so he may formally recognize her. Collette was given the Road Gang award commemorating her longtime service and career with the department. Additionally, the Secretary read a resolution for Collette highlighting her outstanding career as a strong and knowledgeable leader and the department's first female division engineer since its inception in 1915. The resolution signed by Secretary Trogdon, Bobby Lewis – Chief Operating Officer and Chairman Fox established the Karen Collette

Trailblazer Award. An award that will be presented annually to an employee of the department who exhibits the trailblazing characteristics indicative of Collette.

### **Equipment Operator's Safety Training Conference (Rodeo) State Winners**

Robin Barfield, Safety and Risk Management Director, provided an overview of the 2019 State Rodeo that included a video which showcased the event and recognized winners from the event. Numerous winners from across the state attended the board meeting and were recognized by the Secretary, Chairman and members of the Board.

### **DELEGATED AUTHORITY ITEMS**

#### **Approval – Award of Highway Construction Contracts in October 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 low bidder.

#### **Approval of Projects**

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

Chairman Fox recused himself from voting on the following project items:

- Item O – Project M-0533CE, 48478.3.5; City of Greensboro, Guilford County; This project consists of a survey designed to collect complete travel information for a 24-hour weekday period from a representative sample of households in the Piedmont Triad region. The Department shall reimburse the Municipality from federal (\$560,000) and state funds (\$70,000) up to a maximum amount of \$630,000.
- Item M – Project U-5532A, Guilford Co.; 46297.3.2, TAP-0708(69); Aycock Street and Walker Avenue Pedestrian Improvement Project in Greensboro. Funds are needed for construction to install pedestrian crosswalks, upgrade sidewalks and retrofit existing curb ramps to current standards.

Board Member Lathrop recused himself from voting on the following project items:

- Item I-3 – Mooresville, Iredell County, Division 12; Town of Mooresville Bicycle Plan Update Population 40,001.
- Item M – Project C-5601EE; 5562.4.8, Federal No. 00SS079; Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and Blackwell Street Management Services, LLC. Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.
- Item M – Project C-5702CL; 44907.1.23, CMAQ-00SS(051); Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and the University of North Carolina at Chapel Hill. Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.
- Item N – Project U-6091; UNION COUNTY; STALLINGS, WEDDINGTON-MATTHEWS ROAD AT CHESTNUT LANE. CONSTRUCT ROUNDABOUT. ADDITIONAL STBG-DA FUNDS ALLOCATED BY CRTPO
- Item R – Project 45763.2.1; Anson County; I.D. No. B-5809; Bridge No. 75 over North Fork Jones Creek on SR 1142
- Item R – Project 6.589005T, R-0512F Parcel 022 US 74 Bypass Richmond County; Conveyance of an approximate 0.200-acres comprised of one (1) landlocked C-class residue to Eddie Lee Wilson and Lisa Gaye Wilson for the highest offer amount of \$300; commission \$500.



# **NCDOT Board of Transportation Agenda**

## **ITEM C**

**OCTOBER 15, 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.  
OCTOBER 15, 2019  
DIVISION 00001

---

C204370  
47978.3.GV1  
NHPIIM-0017(175)  
PASQUOTANK  
I-6029

PROPOSAL LENGTH 9.907 MILES

TYPE OF WORK PAVEMENT REHABILITATION.

LOCATION US-17 FROM PERQUIMANS COUNTY LINE TO NORTH END OF US-17 BYPASS.

EST CONST PROGRESS.... FY-2020..58% OF BID  
FY-2021..42% OF BID

RPN 003 3 BIDDER(S) DBE GOAL 4.00 %  
ESTIMATE 6,210,961.64

DATE AVAILABLE NOV 25 2019

FINAL COMPLETION MAY 21 2021

	\$ TOTALS	% DIFF
BARNHILL CONTRACTING CO ROCKY MOUNT, NC	4,643,184.00	-25.2
RPC CONTRACTING INC KITTY HAWK, NC	4,991,978.71	-19.6
ROSE BROTHERS PAVING CO INC AHOSKIE, NC	5,247,879.69	-15.5

---

**AWARDED**

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
OCTOBER 15, 2019  
DIVISION 00004

C204412  
44033.3.3  
STATE FUNDED  
NASH  
U-5026, R-5720

PROPOSAL LENGTH 3.940 MILES

TYPE OF WORK DESIGN BUILD.

LOCATION SR-1770 (SUNSET AVE/EASTERN AVE) FROM SR-1003 (RED OAK RD) TO SR-1544 (HALIFAX RD).

EST CONST PROGRESS.... FY-2020..10% OF BID  
FY-2021..34% OF BID  
FY-2022..32% OF BID  
FY-2023..20% OF BID  
FY-2024..04% OF BID

RPN 006 4 BIDDER(S) DBE GOAL 13.00 %  
ESTIMATE 68,300,000.00

DATE AVAILABLE NOV 25 2019

FINAL COMPLETION NOV 01 2023

QUALITY ADJUSTED PRICE RANKING

PROPOSAL	TECH SCORE	QUALITY CREDIT %	ACTUAL CONT AMT (PRICE PROP)	ACT % DIFF	QUALITY VALUE	CONT AWARD BASIS (ADJ PRICE)	ADJ % DIFF
BARNHILL CONTRACTING CO	93.00	19.17	60,507,777.00	-11.4	11,599,340.85	48,908,436.15	-28.4
PLT CONSTRUCTION CO., INC.	80.00	8.33	60,240,000.00	-11.8	5,017,992.00	55,222,008.00	-19.1
FSC II LLC DBA FRED SMITH COMPANY	86.00	13.33	77,390,000.00	+13.3	10,316,087.00	67,073,913.00	-1.8
FLATIRON BRANCH CIVIL A JOINT VENTURE	91.00	17.50	85,515,000.00	+25.2	14,965,125.00	70,549,875.00	+3.3

PROPOSAL	PROPOSED COMPLETION DATE
BARNHILL CONTRACTING CO	JUN 30 2023
PLT CONSTRUCTION CO., INC.	JUN 01 2023
FSC II LLC DBA FRED SMITH COMPANY	AUG 15 2023
FLATIRON BRANCH CIVIL A JOINT VENTURE	JUL 02 2023

**AWARDED**  
9137

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
OCTOBER 15, 2019  
DIVISION 00008

---

C204368  
34542.3.6, 34542.3.7  
STATE FUNDED  
RICHMOND  
R-3421A, R-3421B

PROPOSAL LENGTH 7.197 MILES

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

LOCATION I-73/74 FROM US-74 BYPASS WEST OF ROCKINGHAM AT SR-1109 (ZION CHURCH RD) TO  
NORTH OF SR-1304 (HARRINGTON RD).

EST CONST PROGRESS.... FY-2020..25% OF BID  
FY-2021..33% OF BID  
FY-2022..24% OF BID  
FY-2023..15% OF BID  
FY-2024..03% OF BID

RPN 001 5 BIDDER(S) DBE GOAL 10.00 %  
ESTIMATE 166,558,061.93

DATE AVAILABLE NOV 25 2019  
INTER COMPLETION NOV 01 2023 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION OR  
PERMANENT VEGETATION ESTABLISHMENT  
FINAL COMPLETION APR 29 2024

	\$ TOTALS	% DIFF
VECELLIO & GROGAN INC BECKLEY, WV	146,176,682.77	-12.2
FLATIRON CONSTRUCTORS INC MORRISVILLE, NC	151,790,769.07	-8.9
BOGGS-GEARIG JV, LLC MONROE, NC	155,627,836.87	-6.6
WRIGHT-WAGNER, LLC CHARLESTON, TN	163,538,531.16	-1.8
THALLE CONSTRUCTION CO., INC. HILLSBOROUGH, NC	172,132,633.39	+3.3

---

**AWARDED**

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
OCTOBER 15, 2019  
DIVISION 00010

---

C204181  
34446.3.4  
STATE FUNDED  
STANLY, MONTGOMERY  
R-2530B

PROPOSAL LENGTH 6.908 MILES

TYPE OF WORK GRADING, DRAINAGE, PAVING, SIGNALS, CULVERTS & RETAIN WALL.

LOCATION NC-24/27 FROM NC 740 (SPAULDING ST) IN ALBERMARLE TO EAST OF THE PEE DEE RIVER.

EST CONST PROGRESS.... FY-2020..22% OF BID  
FY-2021..32% OF BID  
FY-2022..28% OF BID  
FY-2023..18% OF BID

RPN 002 3 BIDDER(S) DBE GOAL 11.00 %  
ESTIMATE 67,682,200.13

DATE AVAILABLE NOV 25 2019

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

FINAL COMPLETION DEC 28 2023

	\$ TOTALS	% DIFF
BLYTHE DEVELOPMENT CO CHARLOTTE, NC	64,856,499.30	-4.2
NJR GROUP INC ALBEMARLE, NC	75,500,620.04	+11.6
FLATIRON CONSTRUCTORS INC MORRISVILLE, NC	83,402,107.76	+23.2

---

**AWARDED**

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
OCTOBER 15, 2019  
DIVISION 00010

---

C204364  
45887.3.GV1  
NHPIM-0485(051)  
MECKLENBURG  
I-5904

PROPOSAL LENGTH 6.000 MILES  
TYPE OF WORK PAVEMENT REHABILITATION.  
LOCATION I-485 FROM MP-43 TO MP-49.

EST CONST PROGRESS.... FY-2020..79% OF BID  
FY-2021..21% OF BID

RPN 005                      3 BIDDER(S)              DBE GOAL 6.00 %  
ESTIMATE 8,921,974.91

DATE AVAILABLE              NOV 25 2019  
FINAL COMPLETION            NOV 15 2020

	\$ TOTALS	% DIFF
BLYTHE CONSTRUCTION INC CHARLOTTE, NC	7,013,553.56	-21.4
BOGGS PAVING, INC. MONROE, NC	7,662,574.45	-14.1
J T RUSSELL & SONS INC ALBEMARLE, NC	8,480,494.46	-4.9

---

ESTIMATE TOTAL	317,673,198.61	
LETTING TOTAL	283,197,696.63	-10.9

**AWARDED**

**NCDOT November 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**

**Field Support**

**Right of Way Unit**

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

**STATEWIDE**

Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	Bohler Engineering NC, PLLC, Raleigh, NC
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	0%

Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	Calyx Engineers and Consultants Inc, Raleigh, NC
Maximum Engineering Fee:	\$3,000,000.00
SPSF Utilization:	0%

Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	Cape Fear Engineering Inc, Wilmington, NC
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	100%

Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	CES Group Engineers LLP, Denver, NC
Maximum Engineering Fee:	\$2,000,000.00
DBE/WBE/SPSF Utilization:	100%

Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	CESI, Concord, NC
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	100%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	CH Engineering PLLC, Raleigh, NC
Maximum Engineering Fee:	\$3,000,000.00
DBE/WBE/SPSF Utilization:	100%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	Civil & Environmental Consultants Inc, Pittsburgh, PA
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	0%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	Davis Martin Powell Engineers & Surveyors, High Point, NC
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	100%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	Dewberry Engineers Inc, Raleigh, NC
Maximum Engineering Fee:	\$3,000,000.00
SPSF Utilization:	0%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	DRMP Inc, Orlando, FL
Maximum Engineering Fee:	\$3,000,000.00
SPSF Utilization:	0%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	East Coast Engineering & Surveying PC, Shallotte, NC
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	100%



Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	EL Robinson Engineering Co, Charleston, WV
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	0%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	ESP Associates Inc, Charlotte, NC
Maximum Engineering Fee:	\$3,000,000.00
SPSF Utilization:	0%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	Gannett Fleming Inc, Philadelphia, PA
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	0%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	GEL Engineering of NC Inc, Charleston, SC
Maximum Engineering Fee:	\$3,000,000.00
SPSF Utilization:	0%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	Johnson Mirmiran & Thompson Inc, Hunt Valley, MD
Maximum Engineering Fee:	\$3,000,000.00
SPSF Utilization:	0%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	Joyner Keeny PLLC, Rocky Mount, NC
Maximum Engineering Fee:	\$3,000,000.00
SPSF Utilization:	100%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	KCI Associates of North Carolina PA, Baltimore, MD
Maximum Engineering Fee:	\$3,000,000.00
SPSF Utilization:	0%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	Mattern & Craig Inc, Asheville, NC
Maximum Engineering Fee:	\$3,000,000.00
SPSF Utilization:	100%

Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	McAdams, Durham, NC
Maximum Engineering Fee:	\$3,000,000.00
SPSF Utilization:	0%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	McGill Associates PA, Asheville, NC
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	0%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	Municipal Engineering Services Company PA, Garner, NC
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	100%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	Professional Property Surveyors, Inc, Cornelius, NC
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	0%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	Rivers & Associates Inc, Greenville, NC
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	100%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	RK&K, Raleigh, NC
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	0%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	Sepi Engineering & Construction Inc, Raleigh, NC
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	0%

Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	SGC Surveying North Carolina, PLLC, Concord, NC
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	0%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	Sgroi Land Surveying, PLLC, High Point, NC
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	0%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	Sorrell Land Surveying Inc, Washington, NC
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	0%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	Summit Design and Engineering Services PLLC, Hillsborough, NC
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	0%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	Survey Carolina PLLC, Asheboro, NC
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	0%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	Taylor Wiseman & Taylor, Charlotte, NC
Maximum Engineering Fee:	\$3,000,000.00
SPSF Utilization:	0%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	TGS Engineers, Shelby, NC
Maximum Engineering Fee:	\$3,000,000.00
SPSF Utilization:	100%

Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	Timmons Group Inc, Raleigh, NC
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	0%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	Vaughn & Melton Consulting Engineers Inc, Asheville, NC
Maximum Engineering Fee:	\$3,000,000.00
SPSF Utilization:	0%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	VHB Engineering NC PC, Watertown, MA
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	0%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	Cole Surveying and Design PA, Asheville, NC
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	100%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	Wetherill Engineering, Inc., Raleigh, NC
Maximum Engineering Fee:	\$3,000,000.00
DBE/WBE/SPSF Utilization:	100%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	WithersRavenel Inc, Cary, NC
Maximum Engineering Fee:	\$3,000,000.00
SPSF Utilization:	0%
Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	WSE of North Carolina PC, Cary, NC
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	0%

Description of Work:	2019 Boundary Survey of Residue Property for Disposal LSC
Firm:	WSP USA Inc, Raleigh, NC
Maximum Engineering Fee:	\$2,000,000.00
SPSF Utilization:	0%

## **Divisions**

### **Division 6**

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 6**

Description of work:	2019 Eastern Divisions' Planning & Design Engineering Services Consultant (P&DSC) and General Engineering Services Consultant (GESC) LSC
Firm:	Michael Baker Engineering, Inc., Cary, NC
Original Engineering Fee:	\$1,000,000.00
Supplemental Fee:	\$4,000,000.00
SPSF Utilization:	Sungate Design Group PA 10% / \$400,000.00

### **Division 8**

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 8**

Description of work:	2018 Western Divisions' Planning & Design Engineering Services Consultant (P&DSC) and General Engineering Services Consultant (GESC) LSC
Firm:	Kimley-Horn & Associates Inc, Raleigh, NC
Original Engineering Fee:	\$1,500,000.00
Supplemental Fee:	\$2,500,000.00
DBE/WBE/SPSF Utilization:	CH Engineering PLLC 8% / \$200,000.00

**Division 14**

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 14**

Project:	34232.3.GV8 (I-4400BB) Henderson County; and 34232.3.5 (I-4400C) Henderson County I-26 at US 64 (Exit 49) to US 25 Business (Exit 44); and I-26 from US 25 Business (Exit 44) to NC 280 (Exit 40) (Comb w/I-4400BB)
Scope of Work:	Construction Engineering and Inspection
Estimated Construction Cost:	\$176,900,000.00; and \$150,600,000.00
Firm:	RS&H Architects-Engineers-Planners, Inc., Charlotte, NC
Maximum Engineering Fee:	\$25,000,000.00
SPSF Utilization:	0%

## Technical Services

### Roadway Design Unit

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

#### STATEWIDE

Description of work:	2016 Planning and Design LSC
Firm:	WSP USA Inc, Raleigh, NC
Original Engineering Fee:	\$5,000,000.00
Previous Supplemental Fee:	\$3,000,000.00
Supplemental Fee:	\$3,000,000.00
SPSF Utilization:	Carolina Ecosystems Inc
	3% / \$90,000.00
SPSF Utilization:	Utility Coordination Consultants
	3% / \$90,000.00
SPSF Utilization:	EEE Consulting Inc
	2% / \$60,000.00
DBE/WBE/SPSF Utilization:	Morton & Morton Design Services PLLC
	1% / \$30,000.00
SPSF Utilization:	Spanish Speaking LLC
	1% / \$30,000.00

**NCDOT NOVEMBER 2019 BOARD OF TRANSPORTATION AGENDA**  
**Secondary Road Improvement Projects (Highway and Trust Funds)**

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

<b>Div / County</b>	<b>SR No. / Road Name</b>	<b>Description</b>	<b>Amount</b>
Div 7 Alamance	Fire Department Drive	Construct Driveway at Northeast Alamance Volunteer Fire Department Establish Funds WBS 7C.001138	\$25,000.00

**Project Deletions:**

<b>Div / County</b>	<b>SR No. / Road Name</b>	<b>Description</b>	<b>Amount</b>
Div 12 Catawba	SR 1276M Lewis Road	Grade, Drain, Base & Pave Reduce and close due to unavailable right of way WBS 12C.018107	(\$246,871.97)
Div 12 Catawba	SR 1136 Gross Road	Grade, Drain, Base & Pave Reduce and close due to unavailable right of way WBS 12C.018105	(\$109,361.83)
Div 12 Cleveland	SR 1215 Stice Shoals Road	Grade, Drain, Base & Pave Reduce and close due to unavailable right of way WBS 12C.023104	(\$4,437.23)
Div 12 Gaston	SR 1511 Hickland Valley Road	Grade, Drain, Base & Pave Reduce and close due to unavailable right of way WBS 12C.036080	(\$4,717.92)



## NCDOT November 7, 2019 Board of Transportation Agenda

### Additions to the State Highway System:

County	Pet. No.	Length Added (Miles)	Description	Date of Report
<b>Division 1</b>				
Northampton	51959	0.39 0.11	<b>Deerfield</b> Deerfield Road Doe Lane	08/12/19
<b>Division 3</b>				
New Hanover	51960	0.14 0.11	<b>Bridgewater Bluffs</b> Cape Landing Road Grandview Drive	08/05/19
New Hanover	51961	0.07 0.03	<b>Carmel at Vineyard Greens</b> Extend SR 2582, Chalice Lane Chalice Lane	09/23/19
New Hanover	51962	0.38 0.07	<b>Whitney Pines</b> Extend SR 2739, Newbury Way Iota Drive	09/26/19
Onslow	51963	1.64 0.04 0.38 0.22 0.25 0.06 0.07 0.04 0.04 0.09	<b>Peytons Ridge</b> Extend SR 2617, Peyton's Ridge Drive Powell Court Southernwood Place Dezi Lane Aria Lane Albemarle Court Albacore Court Arrington Court Kale Court Drea Court	6/13/19
<b>Division 4</b>				
Halifax	51964	0.22	<b>Lee's Point</b> Extend SR 1909, Lee's Point Drive	08/30/19
Halifax	51965	0.34	Piper Lane	08/30/19
Johnston	51966	0.06 0.36 0.16 0.08 0.09 0.43	<b>Island Creek</b> Ocracoke Island Way Topsail Island Drive Harkers Island Drive Brunswick Island Court Portsmouth Island Drive Bald Head Island Drive	07/31/19

## NCDOT November 7, 2019 Board of Transportation Agenda

### Additions to the State Highway System:

County	Pet. No.	Length Added (Miles)	Description	Date of Report
Division 4 (Continued)				
Johnston	51967	0.47	Oakwood	08/01/19
		0.05	Scarlet Oak Run	
		0.07	Spanish Oak Way	
		0.11	Sawtooth Oak Trail	
Wayne	51968	0.22	Leather Oak Trail	09/04/19
		0.13	Meares Bluff	
			Extend SR 2310, Pickens Drive	
			Winbush Court	
Division 5				
Franklin	51969	0.18	Winston Ridge	07/29/19
		0.21	Extend SR 2006, Plantation Drive	
		0.09	Extend SR 2017, Scarlet Bell Drive	
		0.22	Sweet Birch Row	
		0.15	Extend SR 2018, Meadowrue Lane	
			Jessemine Cove	
Division 7				
Guilford	51970	0.08	Arrowhead Acres	07/18/19
			Extend SR 3203, Pine Vista Lane	
Guilford	51971	0.13	Berrier Ridge	08/05/19
			Berrier Ridge Court	
Guilford	51972	0.07	Eagle Ridge	08/12/19
		0.18	Eagle Crest Drive	
			Eagle Downs Way	
Guilford	51973	0.20	Oakhurst Downs	01/23/18
		0.05	Oakhurst Downs Drive	
			Extend SR 4649, Rymack Drive	
Guilford	51974	0.50	Summer Glen	08/05/19
			Summertime Drive	
Guilford	51975	0.15	William L. Harding	09/18/19
			Devoncourt Place	
Division 8				
Randolph	51976	0.14	Farmwood	10/09/19
			Farmwood Lane	

## NCDOT November 7, 2019 Board of Transportation Agenda

### Additions to the State Highway System:

County	Pet. No.	Length Added (Miles)	Description	Date of Report
<b>Division 8 (Continued)</b>				
Randolph	51977	0.10	<b>Northmont Estates</b> Chartier Court	09/12/19
<b>Division 9</b>				
Forsyth	51978	0.08	<b>Blue Water Cove at Belews Lake</b> Shelby Rae Court	10/11/19
Rowan	51979	0.19	<b>Forest View</b> Extend SR 2774, Forest View Drive	09/10/19
Rowan	51980	0.08 0.21	<b>Woodlands</b> Mason Hill Drive Bell Ridge Court	09/10/19
Stokes	51981	0.04	Extend SR 1247, Priddy Farm Road	09/05/19
Stokes	51982	0.49	<b>Fiddlers Creek</b> Fiddlers Lane	10/29/19
<b>Division 10</b>				
Union	51983	0.44	<b>Providence Pines</b> Spruce Pine Trail	01/29/19
<b>Division 12</b>				
Lincoln	51984	0.25 0.37	<b>Rock Springs</b> Winding Creek Lane Creek Ridge Drive	09/09/19
<b>Division 13</b>				
Buncombe	51985	0.16	<b>Beale Road</b> Jon Kraus Way	08/26/10

## NCDOT November 7, 2019 Board of Transportation Agenda

### Abandonments from the State Highway System:

County	Pet. No.	Length Abandoned (Miles)	Description	Date of Report
<b>Division 3</b> Brunswick	51986	0.09	SR 1415, Buckeye Road NE Retain 0.53 miles	10/08/19
<b>Division 8</b> Moore	51987	0.99	SR 1307, Gretchen Road Retain 0.00 miles	02/07/19
<b>Division 9</b> Forsyth	51988	0.02	SR 1304, Plemmons Road Retain 0.09 miles	09/06/19
<b>Division 13</b> Madison	51989	1.05	SR 1563, No Name Road Retain 0.00 miles	08/19/19

**Summary:**                      **Number of roads petitioned for addition – 57**  
**Number of roads petitioned for abandonment - 4**

### Corrections to the State Highway System:

County	Requested Action						
Buncombe	A petition that was approved on November 26, 1954 added SR 2126 for 0.20 miles. This distance should be corrected to 0.17 miles retroactive to November 26, 1954.						
Davidson	Petition 51931 approved on September 5, 2019 added SR 3455 for 0.28 miles. This distance should be corrected to 0.27 miles retroactive to September 5, 2019.						
Iredell	Petition 51933 approved on September 5, 2019 should be listed in the following manner. The SR extension was associated with the wrong street name. <table> <tr> <th>Length Added (Miles)</th><th>Description</th></tr> <tr> <td>0.55</td><td>Extend SR 1314, Winding Forest Drive</td></tr> <tr> <td>0.32</td><td>Crooked Branch Way</td></tr> </table>	Length Added (Miles)	Description	0.55	Extend SR 1314, Winding Forest Drive	0.32	Crooked Branch Way
Length Added (Miles)	Description						
0.55	Extend SR 1314, Winding Forest Drive						
0.32	Crooked Branch Way						
Moore	Petition 51930 approved on September 05, 2019 incorrectly listed Turriff Way as Turiff Way.						

## **NCDOT November 7, 2019 Board of Transportation Agenda**

### **Corrections to the State Highway System (continued):**

<b>County</b>	<b>Requested Action</b>
Moore	Petition 51930 approved on September 5, 2019 incorrectly added SR 2208 for 0.04 miles. This distance should be corrected to 0.05 miles retroactive to September 5, 2019.
Moore	Petition 51930 approved on September 5, 2019 incorrectly added SR 2212 for 0.06 miles. This distance should be corrected to 0.07 miles retroactive to September 5, 2019.
Orange	Petition 49638 approved on February 3, 2011 incorrectly extended SR 1400 for 0.02 miles. This distance should be corrected to 0.04 miles retroactive to February 3, 2011. The new total length of maintenance for this SR route should be 0.24 miles.

**NCDOT NOVEMBER 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.**

County	Description	Type	Amount
Div 3 New Hanover	Town of Carolina Beach – WBS 48929.3.1 was established (09/19) to install a signal at US-421 (Lake Park Blvd) and Hamlet Ave Decrease funds & transfer to 48929.1.1 & 48929.2.1	High Impact / Low Cost	(\$12,000.00)
	WBS 48929.1.1 was established (09/19) for PE associated with signal installation at US-421 and Hamlet Ave Transfer funds from 48929.3.1	High Impact / Low Cost	\$2,000.00
	WBS 48929.2.1 was established (09/19) for ROW associated with signal installation at US-421 and Hamlet Ave Transfer funds from 48929.3.1	High Impact / Low Cost	\$10,000.00
		<u>TOTAL</u>	<u>\$0.00</u>
Div 3 Sampson	Extend SR 1835 (Industrial Dr) to serve as an access road to Sampson Community College's truck driver training site WBS 48964	Contingency	\$350,000.00
		<u>TOTAL</u>	<u>\$350,000.00</u>
Div 6 Cumberland	WBS 44412 was established (05/15) for construction of turn lanes on SR 1714 (River Rd) at the new intersection created by the relocation of SR 1730 (Underwood Rd) Increase funds	Contingency	\$57,100.74
		<u>TOTAL</u>	<u>\$57,100.74</u>
Div 6 Cumberland	City of Fayetteville – WBS 47429 was established (06/17) for signal installation and associated road improvements at Strickland Bridge Rd and Fisher Rd Increase & close	Contingency	\$101,008.28
		<u>TOTAL</u>	<u>\$101,008.28</u>
Div 6 Robeson	Town of Pembroke – Streetscape project along NC-711 (Third St) from just east of SR 1563 (Union Chapel Rd to Vance St (Town street) WBS 48945	Contingency	\$250,000.00
		<u>TOTAL</u>	<u>\$250,000.00</u>

**NCDOT NOVEMBER 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 8 Lee	City of Sanford – Roadway improvements to include a turn lane on SR 1415 (Colon Rd) and construction of an access road into the proposed Tabitha Lane Industrial site WBS 48943	Econ Development Public Access  TOTAL	\$714,600.00 \$250,000.00  \$964,600.00
Div 9 Stokes	Upgrade Fiddler's Ln to minimum standards for addition to the State system  WBS 48963	Contingency  TOTAL	\$76,000.00  \$76,000.00
Div 10 Cabarrus	City of Kannapolis – WBS 47706 was established (12/17) for extension of left turn lane on NC 73 at SR 1430; construct right turn lane and left turn lane at Industry access on NC 73; Construct roundabout at intersection of SR 1621 (Barr Rd) and SR 1620; Construct new 200' right turn lane at SB on ramp to I-85 and extend existing turn lane storage on NB off ramp Increase funds	Contingency  TOTAL	\$64,946.28  \$64,946.28
Div 12 Catawba	Construction of roadway access for new industry on SR 1148 (Robinwood Rd)  WBS 48962	Econ Development Public Access  TOTAL	\$287,500.00 \$115,000.00  \$402,500.00
Div 13 Buncombe	City of Asheville – WBS 47877 was established (02/18) to add sidewalk along Fairview Rd from Swannanoa Rd (SR 3389/US 74A) to Bleachery Blvd Increase & close	High Impact / Low Cost  TOTAL	\$15,738.06  \$15,738.06
Div 14 Macon	WBS 47852 was established (02/18) to add 2' paved shoulders on SR 1660 (Siler Rd) from US 441 to SR 1734 Increase & close	High Impact / Low Cost  TOTAL	\$76,344.54  \$76,344.54

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

**Deletions:**

Div 7, Guilford County – WBS 48185 was established (07/18) for data collection regarding the use of the Greensboro Intermodal yard to assess the operational efficiencies and road access to the yard, estimation of container and trailer volumes over a defined forecast period, and identification of alternatives to handle expected volumes; funded by alternate source

<b>Summary:</b>	<b>Number of Divisions</b>	<b>11</b>
	<b>Number of Projects</b>	<b>8</b>
	<b>Small Construction Commitment</b>	<b>\$0.00</b>
	<b>Public Access Commitment</b>	<b>\$365,000.00</b>
	<b>Contingency Commitment</b>	<b>\$899,055.30</b>
	<b>Economic Development Commitment</b>	<b>\$1,002,100.00</b>
	<b>High Impact/Low Cost Commitment</b>	<b>\$92,082.60</b>
	<b>TOTAL:</b>	<b>\$2,358,237.90</b>



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

### **Public Transportation Program**

<b>Town/County Division</b>	<b>Project Description</b>	<b>Estimated Cost</b>
---------------------------------	----------------------------	---------------------------

	There will be no items presented for approval at the November 7, 2019, Board of Transportation meeting.	
--	---	--

### **ITEM I - 1 SUMMARY – NO PROJECTS**

**NC DOT Board of Transportation Agenda**  
**Public Transportation Program**  
**November 2019 STIP Amendment**

Estimates in thousands

**MODIFICATION to the Transit 2018-2027 STIP**

TG-6783 FORSYTH HF	PIEDMONT AUTHORITY FOR REGIONAL TRANS.	ROUTINE CAPITAL, PASSENGER SHELTERS, PASSENGER AMENITIES, SHOP EQUIPMENT, SPARE PARTS	CAPITAL	FY 2018-	\$17	(L)
				FY 2018-	\$68	(FUZ)
				FY 2019-	\$37	(L)
				FY 2019-	\$147	(FUZ)
				FY 2020-	\$155	(FUZ)
				FY 2020-	\$39	(L)
				FY 2021-	\$155	(FUZ)
				FY 2021-	\$39	(L)
				FY 2022-	\$155	(FUZ)
				FY 2022-	\$39	(L)
				FY 2023-	\$155	(L)
				FY 2023-	\$39	(FUZ)
				FY 2024-	\$39	(L)
				FY 2024-	\$155	(FUZ)
				FY 2025-	\$155	(FUZ)
				FY 2025-	\$39	(L)
				FY 2026-	\$155	(FUZ)
				FY 2026-	\$39	(L)
				FY 2027-	\$37	(L)
				FY 2027-	\$147	(FUZ)
<u>FUNDING ADDED TO FY 20-27 AT THE REQUEST OF MPO.</u>						
					\$1,811	

TO-6150 FORSYTH HF	PIEDMONT AUTHORITY FOR REGIONAL TRANS.	OPERATING ASSISTANCE	OPERATIONS	FY 2018-	\$347	(L)
				FY 2018-	\$347	(FUZ)
				FY 2019-	\$440	(FUZ)
				FY 2019-	\$347	(L)
				FY 2020-	\$485	(FUZ)
				FY 2020-	\$485	(L)
				FY 2021-	\$485	(FUZ)
				FY 2021-	\$485	(L)
				FY 2022-	\$485	(L)
				FY 2022-	\$485	(FUZ)
				FY 2023-	\$485	(L)
				FY 2023-	\$485	(FUZ)
				FY 2024-	\$485	(FUZ)
				FY 2024-	\$485	(L)
				FY 2025-	\$485	(FUZ)
				FY 2025-	\$485	(L)
				FY 2026-	\$485	(L)
				FY 2026-	\$485	(FUZ)
				FY 2027-	\$485	(FUZ)
				FY 2027-	\$485	(L)
<u>REDUCING FUNDS IN FY 20-27 AT THE REQUEST OF THE MPO.</u>					<u>\$9,241</u>	

TA-6669 DURHAM REG	TRIANGLE TRANSIT AUTHORITY	Expansion Vehicle for CRX route	CAPITAL	FY 2020-	\$243	(L)
				FY 2020-	\$243	(T)
				FY 2020-	\$1,945	(FUZ)
					<u>\$2,431</u>	
<u>MOVING FUNDS FROM FY 18 TO FY 20 TO ALIGN WITH CURRENT DELIVERY SCHEDULE AT REQUEST OF DCHC MPO</u>						

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

**NCDOT Board of Transportation Agenda**  
Public Transportation Program  
November 2019 STIP Amendment

Estimates in thousands

**ITEM I-1A SUMMARY**

	<b>NUMBER OF <u>PROJECTS</u></b>	<b><u>FEDERAL</u></b>	<b><u>STATE</u></b>	<b><u>LOCAL</u></b>	<b><u>TOTALS</u></b>
MODIFICATION S	3	7943	243	5297	<b>\$13,483</b>
	3				<b>\$13,483</b>

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

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

### **Rail Program**

<b>Town/County Division</b>	<b>Project Description</b>	<b>Estimated Cost</b>
---------------------------------	----------------------------	---------------------------

	There will be no items presented for approval at the November 7, 2019 Board of Transportation meeting.	
--	--	--

### **ITEM I - 2 SUMMARY – NO PROJECTS**

## NCDOT November 2019 Board of Transportation Agenda

### Division of Bicycle and Pedestrian Transportation Program

<b>Town/County Division</b>	<b>Project Description</b>	<b>Estimated Cost</b>	
Martin County Division 1	<b>Martin County</b> Bicycle Plan Population 23,200	\$60,000	Total
		\$48,000	State
		\$12,000	Local
Murfreesboro Hertford County Division 1	<b>Town of Murfreesboro</b> Pedestrian Plan Population 2,835	\$50,000	Total
		\$45,000	State
		\$5,000	Local
Clayton Johnston County Division 4	<b>Town of Clayton</b> Pedestrian Plan Population 22,850	\$60,000	Total
		\$48,000	State
		\$12,000	Local
Hope Mills Cumberland County Division 6	<b>Town of Hope Mills</b> Pedestrian Plan Population 16,600	\$60,000	Total
		\$48,000	State
		\$12,000	Local
Eden Rockingham County Division 7	<b>City of Eden</b> Pedestrian Plan Population 15,047	\$60,000	Total
		\$48,000	State
		\$12,000	Local
Cameron Moore County Division 8	<b>Town of Cameron</b> Project Acceleration Plan Population 331	\$35,000	Total
		\$31,500	State
		\$3,500	Local
Waxhaw Union County Division 10	<b>Town of Waxhaw</b> Pedestrian Plan Update Population 16,181	\$45,000	Total
		\$36,000	State
		\$9,000	Local
Lansing Ashe County Division 11	<b>Town of Lansing</b> Project Acceleration Plan Population 155	\$35,000	Total
		\$31,500	State
		\$3,500	Local
Bessemer City Gaston County Division 10	<b>City of Bessemer City</b> Pedestrian Plan Update Population 5,527	\$37,500	Total
		\$33,750	State
		\$3,750	Local
Gastonia Gaston County Division 12	<b>City of Gastonia</b> Bicycle Plan Population 77,024	\$100,000	Total
		\$60,000	State
		\$40,000	Local
Mooresville Iredell County Division 12	<b>Town of Mooresville</b> Bicycle Plan Update Population 40,001	\$52,500	Total
		\$36,750	State
		\$15,750	Local

**ITEM I - 3 SUMMARY – 11 PROJECTS – (TOTAL STATE AND LOCAL) \$595,000**

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

### **Aviation Program**

<b>Town/County Division</b>	<b>Project Description</b>
---------------------------------	----------------------------

	There will be no items presented for approval at the November 7, 2019, Board of Transportation meeting.
--	---

### **ITEM I - 4 SUMMARY – NO PROJECTS**

**NCDOT November 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>
Northampton Co. Div. 1 R-2582A DIVISION	WBS 34472.2.4 US 158 from I-95 / NC 46 in Roanoke Rapids to SR 1312 (St. John Church Road) in Northampton County. \$13,990,000.00 has previously been approved for full right of way. \$1,736,841.43 of Division Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds. Additional Division Strategic Transportation Investment funds of \$1,263,158.57 are requested.	\$1,263,158.57
Craven Co. Div. 2 R-2513A DIVISION	WBS 35497.1.3 US 17 from NC 43 to SR 1438 (Spruill Town Road). \$1,550,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$600,000.00
Craven Co. Div. 2 R-2513A DIVISION	WBS 35497.2.2 US 17 from NC 43 to SR 1438 (Spruill Town Road). \$106,937.00 has previously been approved for a specific parcel for advanced acquisition. Additional funds are requested for appraisals on remaining properties.	\$600,000.00
Pitt Co. Div. 2 U-5917 DIVISION	WBS 44679.1.1 SR 1704 (Fourteenth Street) from Red Banks Road to SR 1708 (Firetower Road). \$1,490,439.00 has previously been approved for preliminary engineering. Additional Strategic Transportation Investment funds are requested. This is a <b>BUILD NC BOND project</b> .	\$500,000.00
Sampson Co. Div. 3 R-2303E DIVISION	WBS 34416.2.8 NC 24 from US 421 - 701 / SR 1296 (Sunset Avenue) to SR 1935 (Cecil Odie Road). \$8,000,000.00 has previously been approved for full right of way and utilities. \$1,700,000.00 of Division Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00

**NCDOT November 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>
Nash Co. Div. 4 U-5996 DIVISION	WBS 47133.2.1 SR 1603 (Old Carriage Road) from Green Hills Road to SR 1770 (Eastern Avenue). Add center turn lane. Initial funds are requested for full right of way and utilities.	\$4,609,000.00
Wayne Co. Div. 4 R-5719(L) DIVISION	WBS 50473.3.2 Landscaping - US 117 at SR 1135 (Country Club Road). Initial funds are requested for landscaping.	\$60,000.00
Wake Co. Div. 5 U-5302 REGIONAL	WBS 48000.2.1 US 401 from south of SR 1006 (Old Stage Road) to south of SR 2538 (Mechanical Boulevard) in Garner. \$2,200,000.00 has previously been approved for full right of way and utilities. \$10,113.70 of Regional Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds. Additional funds of \$489,886.30 of <b>BUILD NC BOND</b> funds are requested.	\$489,886.30
Wake Co. Div. 5 U-5747 REGIONAL	WBS 50167.1.1 NC 54 at SR 1635 (McCrimmon Parkway) in Morrisville. \$1,800,000.00 has previously been approved for preliminary engineering. \$1,672,000.00 of Regional Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00
Wake Co. Div. 5 U-5747B REGIONAL	WBS 50167.2.3 SR 1635 at NC 54. \$2,000,000.00 has previously been approved for full right of way and utilities. \$715.62 of Regional Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds. Additional funds of \$999,284.38 of <b>BUILD NC BOND</b> funds are requested.	\$999,284.38



**NCDOT November 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>
Cumberland Co. Div. 6 U-6229 REGIONAL	WBS 48808.1.1 NC 24 (Bragg Boulevard) from US 401 (Skibo Road) to Glenville Avenue. \$10,000.00 has previously been approved for preliminary engineering. Additional funds are requested.	\$550,000.00
Harnett Co. Div. 6 I-5883 STATEWIDE	WBS 53083.3.1 I-95 at SR 1808 (Jonesboro Road) (Exit 75) and SR 1709 (Hodges Chapel Road) (Exit 77). Initial funds are requested for construction.	\$150,000.00
Guilford Co. Div. 7 U-2581BA DIVISION	WBS 34840.2.4 US 70 from SR 3045 (Mount Hope Church Road) to SR 3175 (Birch Creek Road). \$2,070,000.00 has previously been approved for full right of way and utilities. \$639,369.84 of Division Strategic Transportation Investments funds will be replaced with <b>BUILD NC BOND</b> funds. Additional funds of \$360,630.16 of <b>BUILD NC BOND</b> funds are requested.	\$360,630.16
Orange Co. Div. 7 I-3306AB STATEWIDE	WBS 34178.1.5 I-40 from NC 86 to Durham County Line. Initial funds are requested for preliminary engineering.	\$500,000.00
Lee Co. Div. 8 R-3830 DIVISION	WBS 38887.2.3 NC 42 from US 421 to SR 1579 (Broadway Road) in Sanford and SR 1579 from NC 42 to SR 1538 (East Harrington Avenue) in Broadway. \$12,198,000.00 has previously been approved for full right of way. \$2,500,000.00 of Division Strategic Transportation Investment funds will be replaced with <b>BUILD NC BOND</b> funds.	\$0.00

**NCDOT November 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>
Randolph Co. Div. 8 R-2536(L) STATEWIDE	WBS 34450.1.9 US 64 Asheboro Southern Bypass landscape. Initial funds are requested for preliminary engineering.	\$90,000.00
Concord/ Cabarrus Co. Div. 10 C-4918A DIVISION	WBS 44018.3.4 SR 1394 (Popular Tent Road) and US 29. Initial funds are requested for construction of additional turn lanes.	\$1,000,000.00
Mecklenburg Co. Div. 10 C-5621 <b>BONUS ALLOCATION</b>	WBS 50146.2.2 US 21 and SR 2697 (Catawba Avenue) in Cornelius. Initial funds are requested for full right of way and utilities.	\$457,600.00
Mecklenburg Co. Div. 10 C-5621 <b>BONUS ALLOCATION</b>	WBS 50146.1.2 US 21 and SR 2697 (Catawba Avenue) in Cornelius. Initial funds are requested for preliminary engineering.	\$166,000.00
Surry Co. Div. 11 AV-5859B DIVISION	WBS 47212.3.2 Mt. Airy - Surry County Airport (MWK) Phase 2. Construct general aviation apron and aircraft storage hangars. Initial funds are requested for construction.	\$4,000,000.00

**NCDOT November 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>
Henderson Co. Div. 14 U-5886 DIVISION	WBS 44710.2.1 SR 1170 (White Street) from SR 1171 (Willow Road) to US 176 (Spartanburg Highway). Initial funds are requested for full right of way. <b>This is a Cash Flow project with \$5,500,000.00 in SFY 20 through SFY 22.</b>	\$16,500,000.00
Henderson Co. Div. 14 U-6049 REGIONAL	WBS 46995.2.1 NC 225 (South Main Street) from South Main Street at South King Street to US 176. Initial funds are requested for full right of way and utilities.	\$1,450,000.00
STATEWIDE STRATEGIC TRANSPORTATION INVESTMENTS	3 PROJECTS	\$740,000.00
REGIONAL STRATEGIC TRANSPORTATION INVESTMENTS	5 PROJECTS	\$3,489,170.68
DIVISION STRATEGIC TRANSPORTATION INVESTMENTS	12 PROJECTS	\$29,492,788.73
BONUS ALLOCATION STRATEGIC TRANSPORTATION INVESTMENTS	2 PROJECTS	\$623,600.00
<b>STRATEGIC TRANSPORTATION INVESTMENTS</b>	<b>22 PROJECTS</b>	<b>\$34,345,559.41</b>

**NCDOT November 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>
Hyde Co. Div. 1 SS-6001C	WBS 48961.1.1 NC 12 at Silver Lake Ferry Terminal on Ocracoke. Initial Spot Safety preliminary engineering funds are needed for pedestrian accommodations. File 01-19-57892P	\$5,000.00
Hyde Co. Div. 1 SS-6001C	WBS 48961.3.1 NC 12 at Silver Lake Ferry Terminal on Ocracoke. Initial Spot Safety construction funds are needed for pedestrian accommodations. File 01-19-57892C	\$30,000.00
<b>ITEM L SUMMARY</b>	<b>2 PROJECTS</b>	<b>\$35,000.00</b>

**NCDOT November 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>
Martin Co. R-4705 DIVISION	38932.1.FD1, STP-1142(011) SR 1142 (Prison Camp Road) from NC 903 to SR 1182 (East College Road). \$500,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$1,900,000.00 Cost \$1,520,000.00 Fed. \$380,000.00 State

**Bicycle and Pedestrian**

Perquimans Co. EB-6033G DIVISION	48778.4.8, TAP-00SS(070) Safe Routes to School Community Outreach, Education and Evaluation Initiatives in Perquimans County. Funds are needed for program implementation.	\$357,597.00 Cost \$286,077.00 Fed. \$71,520.00 Local
---	---	---

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

**Division 3**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
New Hanover Co. SR-5001BO DIVISION	40924.3.66, SRS-1916(008) Safe Routes to School Project to construct multi-use pathway from SR 1916 (Red Cedar Road) to the existing sidewalk at Ogden Elementary School. \$300,000.00 has previously been approved for construction. Additional funds are needed as requested to complete the pathway.	\$110,000.00 Cost \$110,000.00 Fed.

**Bicycle and Pedestrian**

Divisionwide EB-5542I DIVISION	55062.3.35, Federal No. 0332143 Bicycle Safety Signs on various routes in Highway Division 3. Funds are needed for construction to purchase and install signage.	\$1,400.00 Cost \$1,120.00 Fed. \$280.00 State
New Hanover Co. EB-5543 DIVISION	45846.3.3, HPP-1403(014) Middle Sound Loop Greenway along SR 1403 (Middle Sound Loop Road) from Ogden Elementary School to SR 1986 (Oyster Drive). \$160,332.00 has previously been approved for construction. Additional funds are needed as requested to complete the pathway. <b>This is a Strategic Transportation Investment Transition project.</b>	\$170,465.00 Cost \$136,372.00 Fed. \$34,093.00 Local

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

**Division 4**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Johnston Co. W-5704O REGIONAL	44850.3.15, HSIP-0070(223) US 70 Business at SR 1552 (Robertson Street / Amelia Church Road). Funds are needed for construction to install a pedestrian crossing.	\$95,000.00 Cost \$85,500.00 Fed. \$9,500.00 State
Johnston Co. W-5704W DIVISION	44850.3.23, HSIP-1525(014) SR 1525 (Cornwallis Road) between SR 1649 (Keri Drive) / SR 2935 (Creek Road) and NC 42. Funds are needed for construction to install rumble strips and pavement markings.	\$469,000.00 Cost \$422,100.00 Fed. \$46,900.00 State

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

**Division 5**

**National Highway**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Wake Co. I-5700 STATEWIDE	50118.3.GV1, NHPP-0401(259) I-40 at SR 3015 (Airport Boulevard). Convert existing interchange to a diverging diamond. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published August 28, 2019. This is a <b>GARVEE BOND</b> project with a principal amount of \$20,000,000.00. Repayment of the bond requires \$1,716,000.00 of Federal Funds in FFY20 through FFY34; and State Match funds of \$3,333,333.00 in FFY20 and \$3,333,334.00 in FFY21. This project includes \$2,917,000.00 of National Highway Performance Program (NHPP) funds (including state match) in both FFY20 and FFY21.	\$38,240,667.00 Cost \$30,407,200.00 Fed. \$7,833,467.00 State

**Congestion Mitigation**

Durham Co. C-5605H EXEMPT	43725.3.9, CMAQ-0505(091) Downtown Durham Wayfinding Program. Funds are needed for construction to install kiosks and signs to improve pedestrian and vehicle navigation.	\$627,688.00 Cost \$502,150.00 Fed. \$125,538.00 Local
Durham Co. C-5605H EXEMPT	43725.1.7, CMAQ-0505(091) Downtown Durham Wayfinding Program. \$90,750.00 has previously been approved for preliminary engineering. Funds are being reduced per the request of the municipality.	-\$22,687.00 Cost -\$18,150.00 Fed. -\$4,537.00 Local
Durham Co. C-5605I EXEMPT	43725.3.10, CMAQ-0505(088) Neighborhood Bike Routes in Durham. Funds are needed for construction to install bike lanes.	\$451,873.00 Cost \$361,498.00 Fed. \$90,375.00 Local
Franklin Co. C-5610F EXEMPT	43732.1.7, CMAQ-0514(007) Sidewalks along West River Street toward Joyner Park in Louisburg. Funds are needed for preliminary engineering.	\$100,000.00 Cost \$80,000.00 Fed. \$20,000.00 Local
Wake Co. C-5604OA EXEMPT	43714.3.2, CMAQ-0505(082) Multimodal improvements along New Bern Avenue from Tarboro Street to Sunnybrook Road in Raleigh. Funds are needed for construction to install pedestrian improvements.	\$5,160,249.00 Cost \$1,723,523.00 Fed. \$3,436,726.00 Local



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

**Division 5 (Continued)**

**Congestion Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Wake Co. C-5604OE EXEMPT	43714.3.12, CMAQ-0520(120) Gorman Street Connector Trail between the Reedy Creek Greenway at SR 3007 (Hillsborough Street) to the Rocky Branch Trail at Ligon Street in Raleigh. Funds are needed for construction to install a two-way separated bike facility.	\$312,500.00 Cost \$250,000.00 Fed. \$62,500.00 Local
Wake C-5604RA EXEMPT	43714.3.13, CMAQ-0508(009) Timber Drive Sidewalk and Pedestrian Crosswalks in Garner. Funds are needed for construction to install pedestrian improvements.	\$338,584.00 Cost \$270,867.00 Fed. \$67,717.00 Local
<b>Urban</b>		
Wake Co. U-5118JB REGIONAL	42379.3.35, STPDA-0055(045) NC 55 Bypass at Sportsmanship Way in Holly Springs. \$1,500,000.00 has previously been approved for construction. Additional funds are needed as requested to complete the superstreet.	\$1,155,934.00 Cost \$577,967.00 Fed. \$577,967.00 Local
Wake Co. U-5118OA DIVISION	42379.3.36, STPDA-0520(059) Person Street, Blount Street and Wake Forest Road in Raleigh. \$1,770,000.00 has previously been approved for construction. Additional funds are needed as requested to complete resurfacing and road widening modifications.	\$584,726.00 Cost \$467,780.00 Fed. \$116,946.00 Local
Wake Co. U-5118OA DIVISION	42379.3.39, TAPDA-0520(124) Person Street, Blount Street and Wake Forest Road in Raleigh. Funds are needed for construction to install bike lanes and pedestrian improvements.	\$335,175.00 Cost \$268,140.00 Fed. \$67,035.00 Local
Wake Co. U-5618 DIVISION	47167.3.1, STBGDA-3014(004) SR 3014 (Morrisville-Carpenter Road) from SR 1613 (Davis Drive) to west of NC 54 in Morrisville. \$8,100,000.00 has previously been approved for construction. Reduce local funds and replace with state funds at the request of the Division.	\$0.00 Cost \$270,000.00 State -\$270,000.00 Local

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

**Division 5 (Continued)**

**Urban**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Wake Co. U-5618 DIVISION	47167.2.1, STBGDA-3014(004) SR 3014 (Morrisville-Carpenter Road) from SR 1613 (Davis Drive) to west of NC 54 in Morrisville. \$900,000.00 has previously been approved for right of way and utilities. Reduce state funds and replace with local funds at the request of the Division.	\$0.00 Cost -\$270,000.00 State \$270,000.00 Local
Wake Co. U-6094 DIVISION	47899.2.1, STPDA-0520(121) SR 1152 (Holly Springs Road) from east of NC 55 to Flint Point Lane in Holly Springs. Funds are needed for full right of way and utilities.	\$1,480,000.00 Cost \$1,184,000.00 Fed. \$296,000.00 Local
Wake Co. U-6225 DIVISION	48813.1.1, Federal No. 2700003 Install a single multi-lane roundabout at the intersections of SR 2700 (White Oak Road), SR 2709 (Ackerman Road), and SR 2547 (Hebron Church Road) in Garner. Funds are needed for preliminary engineering.	\$30,000.00 Cost \$22,500.00 Fed. \$7,500.00 Local

**Rural**

Divisionwide R-5785 DIVISION	44915.1.1, TAP-0505(092) ADA Ramps (Americans with Disabilities Act) for various locations in Highway Division 5. \$150,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$249,150.00 Cost \$199,320.00 Fed. \$49,830.00 State
Divisionwide R-5785A DIVISION	44915.3.2, TAP-0505(078) ADA Ramps (Americans with Disabilities Act) for areas with populations < 5,000 in Highway Division 5. \$135,000.00 has previously been approved for construction. Additional funds are needed as requested to close-out the project.	\$23,750.00 Cost \$19,000.00 Fed. \$4,750.00 State
Divisionwide R-5785B DIVISION	44915.3.3, TAP-0505(079) ADA Ramps (Americans with Disabilities Act) for areas with populations > 5,000 in Highway Division 5. \$300,000.00 has previously been approved for construction. Reduce funds at the request of the Division.	-\$249,150.00 Cost -\$199,320.00 Fed. -\$49,830.00 State

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

**Division 5 (Continued)**

**Bicycle and Pedestrian**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Durham Co. EB-6033E DIVISION	48778.4.6, TAP-00SS(068) Safe Routes to School Community Outreach, Education and Evaluation Initiatives in Durham County. Funds are needed for program implementation.	\$150,000.00 Cost \$120,000.00 Fed. \$30,000.00 Local
Wake Co. EB-6033A DIVISION	48778.4.2, TAP-00SS(064) Safe Routes to School Community Outreach, Education and Evaluation Initiatives in Wake County. Funds are needed for program implementation.	\$375,000.00 Cost \$300,000.00 Fed. \$75,000.00 Local

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

**Division 6**

**Rural**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Cumberland Co. X-0002BC(L) STATEWIDE	35196.3.26, NHP-0295(007) Fayetteville Outer Loop from NC 210 (Murchison Road) to east of NC 210 (combined with X-0002CA(L): Fayetteville Outer Loop from east of NC 210 (Murchison Road) to east of SR 1600 (McArthur Road)) in Cumberland County. Funds are needed for Landscaping.	\$600,000.00 Cost \$480,000.00 Fed. \$120,000.00 State

**NCDOT November 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>
Orange Co. C-5179 EXEMPT	46240.3.1, CMS-0703(25) SR 1750 (North Estes Drive) from NC 86 (Martin Luther King, Jr. Boulevard) to Caswell Road and at NC 86 in Chapel Hill. Funds are needed for construction to install sidewalks, bike lanes and intersection improvements.	\$2,952,023.00 Cost \$2,361,618.00 Fed. \$590,405.00 Local

**Bridge**

Guilford Co. B-5553 DIVISION	46311.3.1, STP-0708(70) Replace Bridge #98 over tributary to Horsepen Creek on Ballenger Road in Greensboro. This is a municipal bridge. Funds are needed for construction to replace the bridge.	\$2,654,000.00 Cost \$2,123,200.00 Fed. \$530,800.00 Local
------------------------------------	--	--

**Bicycle and Pedestrian**

Guilford Co. EB-6033F DIVISION	48778.4.7, TAP-00SS(069) Safe Routes to School Community Outreach, Education and Evaluation Initiatives in Guilford County. Funds are needed for program implementation.	\$300,000.00 Cost \$240,000.00 Fed. \$60,000.00 Local
Guilford Co. U-5532A DIVISION	46297.3.2, TAP-0708(69) Aycock Street and Walker Avenue Pedestrian Improvement Project in Greensboro. Funds are needed for construction to install pedestrian crosswalks, upgrade sidewalks and retrofit existing curb ramps to current standards.	\$1,356,824.00 Cost \$1,085,459.00 Fed. \$271,365.00 Local

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

**Division 9**

**Congestion Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Forsyth Co. C-5620E EXEMPT	43740.3.5, CMAQ-0918(114) Market Center Drive Sidewalks (Phase II) in Clemmons. Funds are needed for construction to install sidewalks and pedestrian improvements.	\$385,000.00 Cost \$308,000.00 Fed. \$77,000.00 Local
Rowan Co. C-5160 EXEMPT	46225.3.3, CMS-0914(031) Newsome Road Bicycle Lane Project in Salisbury. \$1,646,250.00 has previously been approved for construction. Additional funds are needed to install bike lanes.	\$321,500.00 Cost \$257,200.00 Fed. \$64,300.00 Local
Rowan Co. C-5603D EXEMPT	43713.1.4, CMAQ-1002(051) Sidewalks along SR 1002 (Old Concord Road) from Ryan Street to SR 1007 (Jake Alexander Boulevard) in Salisbury. \$45,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$55,500.00 Cost \$44,400.00 Fed. \$11,100.00 Local

**Urban**

Forsyth Co. EB-5956 DIVISION	48432.1.1, STBGDA-1992(001) Pedestrian improvements along SR 1992 (Sullivantown Road) from US 311 at Harley Drive to Walkertown High School in Walkertown. Funds are needed for preliminary engineering.	\$70,000.00 Cost \$56,000.00 Fed. \$14,000.00 Local
------------------------------------	---	---

**Bridge**

Forsyth Co. B-5004 DIVISION	41107.3.F1, BRSTP-0918(076) Replace Bridge #86 over Salem Creek and Bridge #87 over Brushy Fork Creek on Reynolds Park Road in Winston-Salem. \$3,600,000.00 has previously been approved for construction. This is a municipal bridge project. Additional funds are needed as requested.	\$275,000.00 Cost \$220,000.00 Fed. \$55,000.00 Local
-----------------------------------	--	---

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

**Division 9 (Continued)**

**Bicycle and Pedestrian**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Forsyth Co. EB-6033D DIVISION	48778.4.5, TAP-00SS(067) Safe Routes to School Community Outreach, Education and Evaluation Initiatives in Forsyth County. Funds are needed for program implementation.	\$251,100.00 Cost \$200,880.00 Fed. \$50,220.00 Local
Rowan Co. EB-5619A DIVISION	56033.3.2, Federal No. 0914038 Grants Creek Greenway from the vicinity of Forestdale Drive to Catawba College in Salisbury. Funds are needed for construction to install the multi-use path.	\$640,001.00 Cost \$512,000.00 Fed. \$128,001.00 Local
Rowan Co. EB-5619B DIVISION	56033.2.3, TAPDA-0914(037) Grants Creek Greenway from Kelsey Scott Park to the vicinity of Forestdale Drive in Salisbury. Funds are needed for full right of way and utilities.	\$62,000.00 Cost \$49,600.00 Fed. \$12,400.00 Local

**NCDOT November 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>
Cabarrus Co. C-5161 EXEMPT	46226.3.3, CMS-1034(20) Irish Buffalo Creek Greenway in Kannapolis. \$2,380,000.00 has previously been approved for construction. Additional funds are needed as requested to complete the greenway.	\$1,186,670.00 Cost \$949,336.00 Fed. \$237,334.00 Local
Cabarrus Co. C-5603E EXEMPT	43713.3.5, CMAQ-1120(016) Pedestrian improvements along SR 1120 (Bethel School Road). Funds are needed for construction to install sidewalks and crosswalks.	\$123,876.00 Cost \$99,100.00 Fed. \$24,776.00 Local
Cabarrus Co. C-5603F EXEMPT	43713.1.6, CMAQ-1001(092) Sidewalks along SR 1643 (Bethpage Road) from SR 1008 (South Main Street) to Leonard Avenue and from Westgreen Drive to Klondale Avenue in Kannapolis. \$224,200.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$35,800.00 Cost \$28,640.00 Fed. \$7,160.00 Local
Cabarrus Co. C-5603I EXEMPT	43713.1.9, CMAQ-0601(028) US 601 from Flowes Store Road to Zion Church Road and at the intersection of US 601 and Flowes Store Road in Concord. \$225,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$275,000.00 Cost \$220,000.00 Fed. \$55,000.00 Local
Cabarrus Co. C-5603I EXEMPT	43713.2.9, CMAQ-0601(028) US 601 from Flowes Store Road to Zion Church Road and at the intersection of US 601 and Flowes Store Road in Concord. Funds are needed for full right of way and utilities.	\$250,000.00 Cost \$200,000.00 Fed. \$50,000.00 Local
Mecklenburg Co. C-5225B EXEMPT	45441.3.2, CMAQ-000S(898) Toby Creek Greenway from Rockland Drive to Blue Rock Drive in Charlotte. \$1,200,000.00 has previously been approved for construction. Additional funds are needed as requested to complete the greenway.	\$571,429.00 Cost \$400,000.00 Fed. \$171,429.00 Local
Mecklenburg Co. C-5538 DIVISION	51008.3.1, CMS-1003(154) The intersection of Tuckaseegee Road, Berryhill Road and Thrift Road in Charlotte. Funds are needed for construction to install a roundabout.	\$3,275,500.00 Cost \$2,620,400.00 Fed. \$655,100.00 Local



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

**Division 10 (Continued)**

**Congestion Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Mecklenburg Co. C-5613BD EXEMPT	43735.3.8, CMAQ-1003(157) Arrowood Road Traffic Management Project - Arrowood Road from South Tryon Street to South Boulevard in Charlotte. Funds are needed for construction to install fiber optic cable, communication devices and traffic management cameras.	\$431,835.00 Cost \$341,149.00 Fed. \$90,686.00 Local
Mecklenburg Co. C-5621 EXEMPT	50146.2.1, CMS-0021(020) US 21 and SR 2697 (Catawba Avenue) in Cornelius. \$4,250,000.00 has previously been approved for right of way and utilities. Additional funds are needed as requested. Reduce local funds per the local agreement. This request also includes \$457,600.00 of State Bonus Allocation funds per the local agreement (see page K-4 for state funds).	-\$159,600.00 Cost \$600,000.00 Fed. -\$759,600.00 Local
Mecklenburg Co. C-5621 EXEMPT	50146.1.F1, CMS-0021(020) US 21 and SR 2697 (Catawba Avenue) in Cornelius. \$1,080,000.00 has previously been approved for preliminary engineering. Reduce local funds and replace with State Bonus Allocation funds per the local agreement (see page K-4 for state funds).	-\$166,000.00 Cost -\$166,000.00 Local

**Urban**

Union Co. U-5703 STATEWIDE	50129.1.FS1, NHPP-0074(160) US 74 (Roosevelt Boulevard and SR 1514 (Rocky River Road). \$200,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$100,000.00 Cost \$80,000.00 Fed. \$20,000.00 State
----------------------------------	---	--

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

**Division 10 (Continued)**

**Bicycle and Pedestrian**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Cabarrus Co. EB-5902 DIVISION	47346.3.1, TAPDA-1004(073) Pedestrian signal upgrades in downtown Concord. Funds are needed for construction to upgrade and install pedestrian signals.	\$307,000.00 Cost \$245,600.00 Fed. \$61,400.00 Local
Cabarrus Co. EB-5903 DIVISION	47347.3.1, TAPDA-1004(069) Union Street Sidewalk Extension along Union Street from Tulip Avenue to Cumberland Court in Concord. \$400,000.00 has previously been approved for construction. Additional funds are needed as requested to install sidewalks.	\$466,010.00 Cost \$372,808.00 Fed. \$93,202.00 Local
Mecklenburg Co. EB-5933 DIVISION	47698.1.1, BGTA-1006(054) Kincaid Trail from the South Prong Rocky River Greenway near Davidson Elementary School to Eugenia Street in Davidson. Funds are needed for preliminary engineering.	\$218,750.00 Cost \$175,000.00 Fed. \$43,750.00 Local

**NCDOT November 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>	
Catawba Co. C-5196 EXEMPT	46248.2.1, CMS-1143(012) 16th Street (Sandy Ridge Road) and 21st Avenue Northeast in Hickory. Funds are needed for full right of way and utilities.	\$1,700,000.00 \$1,360,000.00 \$340,000.00	Cost Fed. Local
Gaston Co. C-5505 EXEMPT	45498.2.3, Federal No. 1201009 Rail Trail from Woodlawn Avenue to Belmont Abby College and Downtown Belmont. Funds are needed for utilities.	\$1,900,000.00 \$1,520,000.00 \$380,000.00	Cost Fed. Local
Gaston Co. C-5606D EXEMPT	43728.3.5, CMAQ-1210(008) Gaston College Sidewalks along US 321B and NC 275 / NC 279 near Gaston College. Funds are needed for construction to install sidewalks.	\$392,821.00 \$314,256.00 \$78,565.00	Cost Fed. Local
Gaston Co. C-5606E EXEMPT	43728.3.6, CMAQ-000S(849) Gaston Greenway Expansion to connect Gaston County Park and Gaston College with Gaston Technology Park. Funds are needed for construction to install the greenway.	\$595,481.00 \$470,429.00 \$125,052.00	Cost Fed. Local
Gaston Co. C-5606J EXEMPT	43728.1.10, CMAQ-000S(915) Lowell Sidewalk Extension along Main Street / Lowell Spencer Mountain Road from the existing sidewalks to Lowell Poston Park in Gaston County. \$64,031.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$72,325.00 \$57,860.00 \$14,465.00	Cost Fed. Local
Gaston Co. C-5606K EXEMPT	43728.1.11, CMAQ-000S(911) Long Creek Greenway from Rankin Lake Park to Gastonia Technology Parkway. \$134,910.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$140,090.00 \$112,072.00 \$28,018.00	Cost Fed. Local
Gaston Co. C-5606M EXEMPT	43728.1.13, CMAQ-0114(002) Neal Hawkins Road Sidewalk Improvements in Gastonia. \$312,500.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$30,000.00 \$24,000.00 \$6,000.00	Cost Fed. Local

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

**Division 12 (Continued)**

**Congestion Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Lincoln Co. C-5606I EXEMPT	43728.3.9, CMAQ-0027(017) NC 27 / NC 150 (East Main Street) Sidewalks on Bridge #277 over US 321 in Lincoln. Funds are needed for construction to convert excess travel lane to a sidewalk.	\$159,200.00 Cost \$127,360.00 Fed. \$31,840.00 Local

**Bicycle and Pedestrian**

Gaston Co. EB-5743 DIVISION	51066.1.1, Federal No. 1213040 NC 279 (South New Hope Road) from SR 2200 (Armstrong Park Road) to SR 1255 (East Hudson Boulevard) in Gastonia. Funds are needed for preliminary engineering.	\$321,250.00 Cost \$257,000.00 Fed. \$64,250.00 Local
Gaston Co. EB-5745 DIVISION	50423.1.1, Federal No. 1213041 Sidewalks along SR 1255 (Hudson Boulevard) and SR 2466 (Red Bud Drive) in Gastonia. Funds are needed for preliminary engineering.	\$307,500.00 Cost \$246,000.00 Fed. \$61,500.00 Local
Gaston Co. EB-5748 DIVISION	50425.1.1, Federal No. 1213042 Sidewalks along Beaty Road from Smith Street to Ferstl Avenue in Gastonia. Funds are needed for preliminary engineering.	\$101,250.00 Cost \$81,000.00 Fed. \$20,250.00 Local
Gaston Co. EB-5768 DIVISION	51072.1.1, Federal No. 1213043 Sidewalks along South Marietta Street and Hilltop Drive in Gastonia. Funds are needed for preliminary engineering.	\$315,000.00 Cost \$252,000.00 Fed. \$63,000.00 Local
Gaston Co. EB-5912 DIVISION	47578.1.1, Federal No. 1227013 Sidewalks along SR 2044 (Tuckaseegee Road) in Mount Holly. Funds are needed for preliminary engineering.	\$287,500.00 Cost \$230,000.00 Fed. \$57,500.00 Local
Gaston EB-5975 DIVISION	48522.1.1, Federal No. 1213044 NC 279 (New Hope Road) from US 29 / US 74 (Franklin Boulevard) to Hunt Avenue in Gastonia. Funds are needed for preliminary engineering.	\$516,250.00 Cost \$413,000.00 Fed. \$103,250.00 Local
Gaston Co. EB-5976 DIVISION	48523.1.1, Federal No. 1213045 SR 2200 (Cox Road) from I-85 to Court Drive in Gastonia. Funds are needed for preliminary engineering.	\$350,000.00 Cost \$280,000.00 Fed. \$70,000.00 Local

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

**Division 13**

**Urban**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Buncombe Co. EB-5821 DIVISION	44987.1.1, STBGDA-1326(007) Reems Creek Greenway along the Reems Creek Corridor from the western edge of town to Karpen Soccer Fields in Weaverville. Funds are needed for preliminary engineering.	\$600,000.00 Cost \$480,000.00 Fed. \$120,000.00 Local
Buncombe Co. EB-5824 DIVISION	44986.1.1, STBGDA-1302(094) Hominy Creek Greenway along Sandhill Road from Enka Lake Road to south of Warren Haynes Drive in Enka. Funds are needed for preliminary engineering.	\$400,000.00 Cost \$320,000.00 Fed. \$80,000.00 Local

**Bicycle and Pedestrian**

Burke Co. EB-5978 DIVISION	48474.1.1, Federal No. 1319021 College Street Multimodal Connector Trail from North Green Street to US 70 in Morganton. Funds are needed for preliminary engineering.	\$312,000.00 Cost \$249,600.00 Fed. \$62,400.00 Local
Rutherford Co. EB-6033K DIVISION	48778.4.12, Federal No. 00SS075 Safe Routes to School Community Outreach, Education and Evaluation Initiatives in Rutherford County. Funds are needed for program implementation.	\$300,000.00 Cost \$240,000.00 Fed. \$60,000.00 Local

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

**Division 14**

**Interstate**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Henderson Co. I-4400C DIVISION	34232.3.5, NHP-026-1(200)13 I-26 from US 25 Business (Exit 44) to NC 280 (Exit 40) (combined with: I-4400BB: I-26 at US 64 (Exit 49) to US 25 Business (Exit 44)). \$114,800,000.00 has previously been approved for construction. Funds are being reduced and replaced with GARVEE BOND funding.	-\$62,500,000.00 Cost -\$50,000,000.00 Fed. -\$12,500,000.00 State
Henderson Co. I-4400C DIVISION	34232.3.5, NHP-026-1(200)13 I-26 from US 25 Business (Exit 44) to NC 280 (Exit 40) (combined with: I-4400BB: I-26 at US 64 (Exit 49) to US 25 Business (Exit 44)). \$114,800,000.00 has previously been approved for construction. Additional funds are needed to convert a portion of the previously approved National Highway Performance Program (NHPP) funds to GARVEE BOND funds. This project now a <b>GARVEE BOND</b> project with a principle amount of \$50,000,000.00. Repayment of the bond requires \$4,290,000.00 of Federal Funds in FFY19 through FFY33, and \$16,666,667.00 of State Match funds in FFY19.	\$81,016,667.00 Cost \$64,350,000.00 Fed. \$16,666,667.00 State

**Appalachian**

Clay Co. A-0011C EXEMPT	32574.3.8, APD-0069(007) US 64 / NC 69 from the Georgia State Line to US 64 (Hayesville Bypass). Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published August 28, 2019.	\$38,800,000.00 Cost \$38,800,000.00 Fed.
-------------------------------	--	--

**Safety**

Transylvania Co. W-5714M REGIONAL	44862.3.13, HSIP-0064(205) US 64 Business / US 64 West (North Caldwell Street) at French Broad Street. Funds are needed for construction to upgrade pedestrian signals and curb ramps.	\$55,000.00 Cost \$49,500.00 Fed. \$5,500.00 State
--	---	--

**Bicycle and Pedestrian**

Haywood Co. EB-5945 DIVISION	48236.1.1, Federal No. 0215020 Sidewalks along NC 215 (Champion Drive) from SR 1589 (North Canton Drive) to SR 1513 (Thickety Road) in Canton. Funds are needed for preliminary engineering.	\$240,000.00 Cost \$192,000.00 Fed. \$48,000.00 State
------------------------------------	---	---

**NCDOT November 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-5601EC EXEMPT	50062.4.6, Federal No. 00SS077 Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and Asheville-Buncombe Community College (A-B Tech). Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.	\$94,003.00 Cost \$75,202.00 Fed. \$18,801.00 Local
Statewide C-5601ED EXEMPT	50062.4.7, Federal No. 00SS078 Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and Accesso Services, LLC. Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.	\$245,679.00 Cost \$189,242.00 Fed. \$56,437.00 Local
Statewide C-5601EE EXEMPT	5562.4.8, Federal No. 00SS079 Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and Blackwell Street Management Services, LLC. Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.	\$9,420.00 Cost \$7,536.00 Fed. \$1,884.00 Local
Statewide C-5601EF EXEMPT	50062.4.9, Federal No. 00SS080 Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and City of Charlotte Engineering. Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.	\$259,124.00 Cost \$178,795.00 Fed. \$80,329.00 Local
Statewide C-5601EG DIVISION	50062.4.10, Federal No. 00SS081 Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and City of Charlotte Water Services. Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.	\$145,000.00 Cost \$110,200.00 Fed. \$34,800.00 Local
Statewide C-5601EH EXEMPT	50062.4.11, Federal No. 00SS082 Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and City of Durham. Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.	\$61,798.00 Cost \$49,438.00 Fed. \$12,360.00 Local

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

**Statewide (Continued)**

**Congestion Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Statewide C-5601EI EXEMPT	50062.4.12, Federal No. 00SS083 Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and City of Greensboro. Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.	\$163,626.00 Cost \$122,719.00 Fed. \$40,907.00 Local
Statewide C-5601EJ EXEMPT	50062.4.13, Federal No. 00SS084 Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and Cone Health. Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.	\$63,179.00 Cost \$44,225.00 Fed. \$18,954.00 Local
Statewide C-5601EK EXEMPT	50062.4.14, Federal No. 00SS085 Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and Durham County. Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.	\$67,049.00 Cost \$26,149.00 Fed. \$40,900.00 Local
Statewide C-5601EL EXEMPT	50062.4.15, Federal No. 00SS086 Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and Greenwood RRST Railroad Storage. Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.	\$201,500.00 Cost \$153,140.00 Fed. \$48,360.00 Local
Statewide C-5601EM EXEMPT	50062.4.16, Federal No. 00SS087 Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and Mecklenburg EMS Agency (MEDIC). Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.	\$500,000.00 Cost \$400,000.00 Fed. \$100,000.00 Local
Statewide C-5601EN EXEMPT	50062.4.17, Federal No. 00SS088 Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and the North Carolina Department of Transportation Rail Division. Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.	\$512,821.00 Cost \$400,000.00 Fed. \$112,821.00 Local



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

**Statewide (Continued)**

**Congestion Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Statewide C-5601EO EXEMPT	50062.4.18, Federal No. 00SS089 Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and the North Carolina Propane Gas Association. Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.	\$51,419.00 Cost \$38,564.00 Fed. \$12,855.00 Local
Statewide C-5601EP EXEMPT	50062.4.19, Federal No. 00SS090 Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and Orange County. Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.	\$184,059.00 Cost \$147,247.00 Fed. \$36,812.00 Local
Statewide C-5601EQ EXEMPT	50062.4.20, Federal No. 00SS091 Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and Person County. Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.	\$8,561.00 Cost \$6,849.00 Fed. \$1,712.00 Local
Statewide C-5601ER EXEMPT	50062.4.21, Federal No. 00SS092 Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and Pine Shore Energy, LLC. Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.	\$69,452.00 Cost \$37,504.00 Fed. \$31,948.00 Local
Statewide C-5601ES EXEMPT	50062.4.22, Federal No. 00SS093 Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and Town of Cary. Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.	\$72,457.00 Cost \$57,965.00 Fed. \$14,492.00 Local
Statewide C-5601ET EXEMPT	50062.4.23, Federal No. 00SS094 Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and Mint Hill Police Department. Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.	\$14,752.00 Cost \$11,801.00 Fed. \$2,951.00 Local

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

**Statewide (Continued)**

**Congestion Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Statewide C-5601EU EXEMPT	50062.4.24, Federal No. 00SS095 Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and Pineville Police Department. Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.	\$19,254.00 Cost \$15,403.00 Fed. \$3,851.00 Local
Statewide C-5601EV EXEMPT	50062.4.25, Federal No. 00SS096 Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and Weaver Street Market. Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.	\$85,067.00 Cost \$66,352.00 Fed. \$18,715.00 Local
Statewide C-5702CK EXEMPT	44907.1.22, CMAQ-00SS(050) Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and the North Carolina Department of Transportation Rail Division. Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.	\$500,000.00 Cost \$400,000.00 Fed. \$100,000.00 Local
Statewide C-5702CL EXEMPT	44907.1.23, CMAQ-00SS(051) Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and the University of North Carolina at Chapel Hill. Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.	\$10,990.00 Cost \$8,792.00 Fed. \$2,198.00 Local
Statewide C-5702CM EXEMPT	44907.1.24, CMAQ-00SS(052) Clean Fuel Advanced Technology (CFAT) Subaward to the North Carolina Clean Energy Technology Center and the Greensboro Police Department. Funds are needed for Alternative Fuel and/or Electric Vehicle Supply Equipment (EVSE) upgrades.	\$28,767.00 Cost \$23,013.00 Fed. \$5,754.00 Local

**ITEM M SUMMARY - 101 PROJECT(S) - (TOTAL FEDERAL AND STATE) \$128,999,311.00**

## REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS

### HIGHWAY PROGRAM STIP ADDITIONS

#### DIVISION 9

* EB-6040	SR 1101 (HARPER ROAD), FROM VILLAGE POINT DRIVE	ENGINEERING	FY 2020 -	\$53,000	(BGANY)
FORSYTH	TO EAST OF I-40 INTERCHANGE. CONSTRUCT		FY 2020 -	\$13,000	(L)
PROJ.CATEGORY	SIDEWALK AND PEDESTRIAN SAFETY FEATURES.	CONSTRUCTION	FY 2021 -	\$478,000	(BGANY)
DIVISION	<u>PROJECT ADDED AT REQUEST OF MPO.</u>		FY 2021 -	\$120,000	(L)
				<u>\$664,000</u>	

### STIP MODIFICATIONS

#### DIVISION 4

C-5546	ROCKY MOUNT, BENVENUE ROAD (NC 43/NC 48) AT	CONSTRUCTION	FY 2020 -	\$130,000	(CMAQ)
NASH	JEFFREYS ROAD. INTERSECTION IMPROVEMENTS.			\$130,000	
PROJ.CATEGORY	<u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u>				
EXEMPT	<u>DESIGN BY THE MUNICIPALITY, DELAY</u>				
	<u>CONSTRUCTION FROM FY 19 TO FY 20</u>				

R-5718	SR 1003 (BUFFALO ROAD), US 70 TO SR 1934 (OLD	RIGHT-OF-WAY	FY 2020 -	\$560,000	(T)
JOHNSTON	BEULAH ROAD). WIDEN TO THREE LANES.	UTILITIES	FY 2020 -	\$67,000	(T)
PROJ.CATEGORY	<u>DUE TO IMPACTS FROM STORM EVENTS AND MAP</u>	CONSTRUCTION	FY 2024 -	\$2,204,000	(T)
DIVISION	<u>ACT SETTLEMENTS, DELAY RIGHT-OF-WAY FROM FY</u>		FY 2025 -	\$2,204,000	(T)
	<u>19 TO FY 20</u>		FY 2026 -	\$2,204,000	(T)
				<u>\$7,239,000</u>	

#### DIVISION 5

I-5700	I-40, SR 3015 (AIRPORT BOULEVARD). REVISE	GARVEE CONSTR	FY 2020 -	\$1,716,000	(NHP)
WAKE	INTERCHANGE; CONSTRUCT AUXILIARY LANES ON I-40		FY 2021 -	\$1,716,000	(NHP)
PROJ.CATEGORY	EASTBOUND FROM I-540 TO SR 3015 (AIRPORT		FY 2022 -	\$1,716,000	(NHP)
STATEWIDE	BOULEVARD) AND FROM SR 3015 TO SR 1002		FY 2023 -	\$1,716,000	(NHP)
	(AVIATION PARKWAY), AND CONSTRUCT AUXILIARY		FY 2024 -	\$1,716,000	(NHP)
	LANE ON I-40 WESTBOUND FROM SR 3015 (AIRPORT		FY 2025 -	\$1,716,000	(NHP)
	BOULEVARD) TO I-540.		FY 2026 -	\$1,716,000	(NHP)
	<u>ACCELERATE CONSTRUCTION FROM FY 21 TO FY 20</u>		FY 2027 -	\$1,716,000	(NHP)
	<u>TO REFLECT CURRENT DELIVERY SCHEDULE.</u>		FY 2028 -	\$1,716,000	(NHP)
			FY 2029 -	\$1,716,000	(NHP)
			POST YR-	\$8,580,000	(NHP)
		CONSTRUCTION	FY 2020 -	\$2,917,000	(NHP)
			FY 2020 -	\$3,334,000	(S(M))
			FY 2021 -	\$2,917,000	(NHP)
			FY 2021 -	\$3,333,000	(S(M))
				<u>\$38,241,000</u>	

# REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS

## HIGHWAY PROGRAM STIP MODIFICATIONS

### DIVISION 9

EB-5958	BLUE HERON TRAIL, TWINS WAY (NEAR INTERSECTION	CONSTRUCTION	FY 2020 -	\$1,452,000	(BGANY)
FORSYTH	WITH US-158) WEST TO PEDESTRIAN TUNNEL UNDER I-		FY 2020 -	\$217,000	(BGDA)
PROJ.CATEGORY	40 IN BERMUDA RUN. CONSTRUCT SECTION OF		FY 2020 -	\$2,000	(TADA)
DIVISION	MULTIUSE PATH.		FY 2020 -	\$418,000	(L)
	<u>TO REFLECT CURRENT TOWN DELIVERY SCHEDULE</u>				
	<u>DELAY CONSTRUCTION FROM FY 19 TO FY 20.</u>			\$2,089,000	

### DIVISION 10

B-5808	US 29 US 601, REPLACE BRIDGE 120057 AND BRIDGE	RIGHT-OF-WAY	FY 2020 -	\$255,000	(NHPB)
CABARRUS	120059 OVER IRISH BUFFALO CREEK.	CONSTRUCTION	FY 2020 -	\$2,550,000	(NHPB)
PROJ.CATEGORY	<u>TO ALLOW ADDITIONAL TIME FOR DESIGN DELAY</u>		FY 2021 -	\$2,550,000	(NHPB)
REGIONAL	<u>RIGHT-OF-WAY FROM FY 19 TO FY 20</u>			\$5,355,000	

C-5538	CHARLOTTE, INTERSECTION OF TUCKASEEGEE-	CONSTRUCTION	FY 2020 -	\$1,797,000	(CMAQ)
MECKLENBURG	BERRYHILL-THRIFT ROADS IN CHARLOTTE.		FY 2020 -	\$1,053,000	(BGDA)
PROJ.CATEGORY	CONSTRUCT A TRAFFIC CIRCLE.		FY 2020 -	\$826,000	(L)
DIVISION	<u>TO ALLOW ADDITIONAL TIME FOR DESIGN DELAY</u>			\$3,676,000	
	<u>CONSTRUCTION FROM FY 19 TO FY 20</u>				

* C-5621	CORNELIUS, US 21 AND CATAWBA AVENUE.	ENGINEERING	FY 2020 -	\$669,000	(BGDA)
MECKLENBURG	RELOCATE INTERSECTION OF US 21 AND CATAWBA		FY 2020 -	\$333,000	(BA)
PROJ.CATEGORY	AVENUE TO THE EAST AND CONSTRUCT	RIGHT-OF-WAY	FY 2020 -	\$1,308,000	(BGDA)
EXEMPT	ROUNDBOUT.		FY 2020 -	\$785,000	(BA)
	<u>ADDITIONAL STBG-DA FUNDS ALLOCATED BY CRTPO</u>	CONSTRUCTION	FY 2020 -	\$3,869,000	(BGDA)
			FY 2020 -	\$5,473,000	(BA)
				\$12,437,000	

EB-5817	CORNELIUS, MCDOWELL CREEK GREENWAY,	CONSTRUCTION	FY 2020 -	\$1,400,000	(TADA)
MECKLENBURG	MAGNOLIA PLAZA TO WESTMORELAND ROAD.		FY 2020 -	\$1,200,000	(L)
PROJ.CATEGORY	CONSTRUCT GREENWAY.			\$2,600,000	
DIVISION	<u>TO ALLOW ADDITIONAL TIME FOR DESIGN DELAY</u>				
	<u>CONSTRUCTION FROM FY 19 TO FY 20</u>				

# REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS

## HIGHWAY PROGRAM STIP MODIFICATIONS

### DIVISION 10

* EB-5832	CHARLOTTE, SR 2833 (MALLARD CREEK CHURCH	CONSTRUCTION	FY 2020 -	\$800,000	(BGDA)
MECKLENBURG	ROAD), SR 2472 (MALLARD CREEK ROAD) TO SR 2746		FY 2020 -	\$542,000	(TAANY)
PROJ.CATEGORY	(CLAUDE FREEMAN DRIVE). CONSTRUCT MULTI-USE		FY 2020 -	\$336,000	(L)
DIVISION	TRAIL ON SOUTH SIDE OF ROAD.			\$1,678,000	

**ADDITIONAL STBG-DA FUNDS ALLOCATED BY CRTPO**

EB-5902	CONCORD, DOWNTOWN PEDESTRIAN SIGNAL	CONSTRUCTION	FY 2020 -	\$250,000	(TADA)
CABARRUS	UPGRADES.		FY 2020 -	\$62,000	(L)
PROJ.CATEGORY	<b><u>TO ALLOW ADDITIONAL TIME FOR PLANNING DELAY</u></b>			\$312,000	
DIVISION	<b><u>CONSTRUCTION FROM FY 19 TO FY 20</u></b>				

* EB-5950	WAXHAW, NC 16 TO SUNSET HILL ROAD. KENSINGTON	RIGHT-OF-WAY	FY 2020 -	\$421,000	(BGDA)
UNION	DRIVE CORRIDOR IMPROVEMENT PROJECT.		FY 2020 -	\$170,000	(L)
PROJ.CATEGORY	<b><u>ADDITIONAL STBG-DA FUNDS ALLOCATED BY CRTPO</u></b>	CONSTRUCTION	FY 2021 -	\$2,749,000	(BGDA)
DIVISION			FY 2021 -	\$1,069,000	(L)
				\$4,409,000	

* I-6052	I-277 (BROOKSHIRE FRWY), WEST OF I-77 TO EAST OF	CONSTRUCTION	FY 2022 -	\$4,000,000	(NHPIM)
MECKLENBURG	I-77. BRIDGE REHABILITATION.		FY 2023 -	\$4,000,000	(NHPIM)
PROJ.CATEGORY	<b><u>TO ALLOW ADDITIONAL TIME FOR DESIGN DELAY</u></b>			\$8,000,000	
STATEWIDE	<b><u>CONSTRUCTION FROM FY 20 TO FY 22</u></b>				

* U-5108	NORTHCROSS DRIVE EXTENSION, NC 73 IN	ENGINEERING	FY 2020 -	\$1,200,000	(BA)
MECKLENBURG	HUNTERSVILLE TO WESTMORELAND ROAD IN	RIGHT-OF-WAY	FY 2020 -	\$1,499,000	(BGANY)
PROJ.CATEGORY	CORNELIUS. CONSTRUCT ROAD ON NEW LOCATION.		FY 2020 -	\$489,000	(L)
DIVISION	<b><u>ADDITIONAL STBG-DA FUNDS ALLOCATED BY</u></b>	CONSTRUCTION	FY 2020 -	\$4,651,000	(BGANY)
	<b><u>CRTPO. STBG-DA FUNDS THEN SWAPPED WITH STBG-</u></b>		FY 2020 -	\$4,765,000	(BGANY)
	<b><u>FLEX FUNDS AS APPROVED BY CRTPO.</u></b>		FY 2020 -	\$331,000	(BA)
			FY 2020 -	\$2,023,000	(L)
				\$14,958,000	

# REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS

## HIGHWAY PROGRAM STIP MODIFICATIONS

### DIVISION 10

* U-5873 MECKLENBURG PROJ.CATEGORY EXEMPT	CORNELIUS, INTERSECTION OF NC 115 AND POTTS STREET. CONSTRUCT IMPROVEMENTS. <b><u>ADDITIONAL STBG-DA FUNDS ALLOCATED BY CRTPO</u></b>	ENGINEERING CONSTRUCTION RIGHT-OF-WAY CONSTRUCTION	FY 2020 - FY 2020 - FY 2020 - FY 2020 -	\$100,000 \$1,616,000 \$1,700,000 \$1,800,000	(BA) (BA) (BA) (BGDA)
				\$5,216,000	
* U-5905A MECKLENBURG PROJ.CATEGORY DIVISION	SR 2112 (LAKEVIEW ROAD), REAMES ROAD TO NC 115. UPGRADE ROADWAY. <b><u>ADDITIONAL STBG-DA FUNDS ALLOCATED BY CRTPO</u></b>	CONSTRUCTION	FY 2020 - FY 2020 -	\$2,561,000 \$6,100,000	(BGDA) (BA)
				\$8,661,000	
* U-5905B MECKLENBURG PROJ.CATEGORY EXEMPT	SR 2112 (LAKEVIEW ROAD), IMPROVE INTERSECTION OF SR 2112 (LAKEVIEW ROAD)/NC 24 (HARRIS BOULEVARD) AND SR 2112 (LAKEVIEW ROAD)/US 21 (STATESVILLE ROAD). <b><u>ADDITIONAL STBG-DA FUNDS ALLOCATED BY CRTPO</u></b>	CONSTRUCTION	FY 2020 - FY 2020 -	\$1,262,000 \$3,000,000	(BGDA) (BA)
				\$4,262,000	
* U-5906 MECKLENBURG PROJ.CATEGORY DIVISION	CORNELIUS, SR 2195 (TORRENCE CHAPEL ROAD) AND SR 5544 (WEST CATAWBA AVENUE). INTERSECTION IMPROVEMENTS. <b><u>ADDITIONAL STBG-DA FUNDS ALLOCATED BY CRTPO</u></b>	ENGINEERING RIGHT-OF-WAY CONSTRUCTION	FY 2020 - FY 2020 - FY 2020 - FY 2020 -	\$849,000 \$1,153,000 \$8,644,000 \$3,197,000	(BA) (BA) (BGDA) (BA)
				\$13,843,000	
* U-5908A MECKLENBURG PROJ.CATEGORY DIVISION	HUNTERSVILLE, MAIN STREET, NC 115 (OLD STATESVILLE ROAD)/SR 2004 (MOUNT HOLLY-HUNTERSVILLE ROAD) TO SOUTH OF RAMAH CHURCH ROAD. WIDEN AND REALIGN. <b><u>ADDITIONAL STBG-DA FUNDS ALLOCATED BY CRTPO. STBG-DA FUNDS THEN SWAPPED WITH STBG-FLEX FUNDS AS APPROVED BY CRTPO.</u></b>	RIGHT-OF-WAY CONSTRUCTION	FY 2020 - FY 2020 - FY 2021 - FY 2021 - FY 2021 -	\$660,000 \$165,000 \$2,748,000 \$44,000 \$2,792,000	(BGANY) (L) (BGANY) (BGDA) (L)
				\$6,409,000	

# REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS

## HIGHWAY PROGRAM STIP MODIFICATIONS

### DIVISION 10

* U-5908B MECKLENBURG PROJ.CATEGORY EXEMPT	HUNTERSVILLE, INSTALL ROUNDABOUTS AT INTERSECTIONS OF NC 115/REALIGNED MAIN STREET (SOUTH OF SR 2439 (RAMAH CHURCH ROAD)) AND NC 115/SR 2004 (MOUNT HOLLY-HUNTERSVILLE ROAD).  <u><b>ADDITIONAL STBG-DA FUNDS ALLOCATED BY CRTPO. STBG-DA FUNDS THEN SWAPPED WITH STBG- FLEX FUNDS AS APPROVED BY CRTPO.</b></u>	RIGHT-OF-WAY	FY 2020 -	\$660,000	(BGANY)
			FY 2020 -	\$165,000	(L)
		CONSTRUCTION	FY 2021 -	\$3,490,000	(BGDA)
			FY 2021 -	\$2,032,000	(BGANY)
			FY 2021 -	\$2,032,000	(L)
			FY 2021 -	\$3,490,000	(L)
				<u>\$11,869,000</u>	
* U-6087 UNION PROJ.CATEGORY DIVISION	WESLEY CHAPEL, POTTER ROAD AT WESLEY CHAPEL ROAD. CONSTRUCT ROUNDABOUT.  <u><b>ADDITIONAL STBG-DA FUNDS ALLOCATED BY CRTPO</b></u>	ENGINEERING	FY 2020 -	\$10,000	(BGDA)
		RIGHT-OF-WAY	FY 2020 -	\$74,000	(BGDA)
			FY 2020 -	\$30,000	(L)
			FY 2020 -	\$21,000	(S(M))
		CONSTRUCTION	FY 2020 -	\$1,008,000	(BGDA)
			FY 2020 -	\$158,000	(L)
			FY 2020 -	<u>\$289,000</u>	(S(M))
				\$1,590,000	
* U-6088 UNION PROJ.CATEGORY DIVISION	MARVIN, NEW TOWN ROAD AT MARVIN ROAD. CONSTRUCT ROUNDABOUT.  <u><b>ADDITIONAL STBG-DA FUNDS ALLOCATED BY CRTPO</b></u>	ENGINEERING	FY 2020 -	\$60,000	(BGDA)
		RIGHT-OF-WAY	FY 2020 -	\$65,000	(S(M))
			FY 2020 -	\$126,000	(BGDA)
			FY 2020 -	\$25,000	(L)
			FY 2020 -	\$17,000	(S(M))
		CONSTRUCTION	FY 2020 -	\$1,302,000	(BGDA)
			FY 2020 -	<u>\$121,000</u>	(S(M))
				\$1,716,000	
* U-6090 UNION PROJ.CATEGORY DIVISION	WEDDINGTON, WEDDINGTON-MATTHEWS ROAD AT TILLEY MORRIS ROAD. CONSTRUCT ROUNDABOUT.  <u><b>ADDITIONAL STBG-DA FUNDS ALLOCATED BY CRTPO</b></u>	ENGINEERING	FY 2020 -	\$267,000	(BGDA)
		RIGHT-OF-WAY	FY 2020 -	\$137,000	(S(M))
			FY 2020 -	\$203,000	(BGDA)
			FY 2020 -	\$31,000	(L)
			FY 2020 -	\$41,000	(S(M))
		CONSTRUCTION	FY 2020 -	\$1,518,000	(BGDA)
			FY 2020 -	<u>\$242,000</u>	(L)
			FY 2020 -	\$440,000	(S(M))
				\$2,879,000	
* U-6091 UNION PROJ.CATEGORY DIVISION	STALLINGS, WEDDINGTON-MATTHEWS ROAD AT CHESTNUT LANE. CONSTRUCT ROUNDABOUT.  <u><b>ADDITIONAL STBG-DA FUNDS ALLOCATED BY CRTPO</b></u>	ENGINEERING	FY 2020 -	\$300,000	(BGDA)
		RIGHT-OF-WAY	FY 2020 -	\$75,000	(S(M))
			FY 2020 -	\$180,000	(BGDA)
			FY 2020 -	\$50,000	(L)
			FY 2020 -	\$60,000	(S(M))
		CONSTRUCTION	FY 2020 -	\$1,842,000	(BGDA)
			FY 2020 -	<u>\$300,000</u>	(L)
			FY 2020 -	\$161,000	(S(M))
				\$2,968,000	

## REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS

### HIGHWAY PROGRAM STIP MODIFICATIONS

#### DIVISION 10

* U-6092 MECKLENBURG PROJ.CATEGORY DIVISION	DAVIDSON, DAVIDSON-CONCORD ROAD AT ROBERT WALKER DRIVE. CONSTRUCT ROUNDABOUT.  <b><u>ADDITIONAL STBG-DA FUNDS ALLOCATED BY CRTPO</u></b>	ENGINEERING	FY 2020 -	\$120,000	(BGDA)
			FY 2020 -	\$30,000	(L)
		RIGHT-OF-WAY	FY 2020 -	\$120,000	(BGDA)
			FY 2020 -	\$30,000	(L)
		CONSTRUCTION	FY 2021 -	\$966,000	(BGDA)
			FY 2021 -	<u>\$242,000</u>	(L)
				\$1,508,000	

* U-6106 MECKLENBURG PROJ.CATEGORY DIVISION	HUNTERSVILLE, SR 2136 (GILEAD ROAD), SR 2120 (MCCOY ROAD) TO WYNFIELD CREEK PARKWAY. WIDEN ROADWAY TO 4-LANES DIVIDED.  <b><u>ADDITIONAL STBG-DA FUNDS ALLOCATED BY CRTPO. STBG-DA FUNDS THEN SWAPPED WITH STBG- FLEX FUNDS AS APPROVED BY CRTPO.</u></b>	RIGHT-OF-WAY	FY 2020 -	\$1,840,000	(BGANY)
			FY 2020 -	\$460,000	(L)
		CONSTRUCTION	FY 2021 -	\$6,910,000	(BGANY)
			FY 2021 -	\$20,000	(BGDA)
			FY 2021 -	<u>\$2,100,000</u>	(L)
				\$11,330,000	

* W-5710X MECKLENBURG PROJ.CATEGORY DIVISION	MECKLENBURG COUNTY, SR 2108 (SUNSET BOULEVARD), SR 2025 (MIRANDA ROAD) AND SR 2040 (LAWING ROAD) NEAR CHARLOTTE. SAFETY IMPROVEMENTS.  <b><u>ADDITIONAL STBG-DA FUNDS ALLOCATED BY CRTPO</u></b>	CONSTRUCTION	FY 2020 -	\$650,000	(HSIP)
			FY 2020 -	\$3,842,000	(BGDA)
			FY 2020 -	\$960,000	(L)
				\$5,452,000	

* W-5710Z UNION PROJ.CATEGORY REGIONAL	UNION COUNTY, INTERSECTION OF NC 200, NC 522, SR 1007 (SOUTH ROCKY RIVER ROAD), AND SR 1146 (PARKWOOD SCHOOL ROAD). CONSTRUCT 5- APPROACH ROUNDABOUT.  <b><u>ADDITIONAL STBG-DA FUNDS ALLOCATED BY CRTPO</u></b>	ENGINEERING	FY 2020 -	\$157,000	(BGDA)
			FY 2020 -	\$39,000	(S(M))
		RIGHT-OF-WAY	FY 2020 -	\$30,000	(BGDA)
			FY 2020 -	\$7,000	(S(M))
		CONSTRUCTION	FY 2020 -	\$671,000	(HSIP)
			FY 2020 -	\$1,486,000	(BGDA)
			FY 2020 -	\$200,000	(L)
			FY 2020 -	<u>\$214,000</u>	(S(M))
				\$2,804,000	

#### DIVISION 11

BR-0123 SURREY PROJ.CATEGORY DIVISION	SR 1319 (ABE MAYES ROAD), REPLACE BRIDGE 850318 ON SR 1319 OVER SOUTH FORK MITCHELL RIVER.  <b><u>TO ALLOW ADDITIONAL TIME FOR DESIGN DELAY RIGHT-OF-WAY FROM FY 19 TO FY 20</u></b>	RIGHT-OF-WAY	FY 2020 -	\$35,000	(O)
			FY 2020 -	\$200,000	(O)
		CONSTRUCTION	FY 2021 -	<u>\$200,000</u>	(O)
				\$435,000	



# **REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS**

## **HIGHWAY PROGRAM STIP MODIFICATIONS**

### **DIVISION 11**

BR-0124	SR 1745 (SHUMATE MOUNTAIN ROAD), REPLACE	RIGHT-OF-WAY	FY 2020 -	\$210,000	(O)
WILKES	BRIDGE 960166 ON SR 1745 OVER WEST PRONG	CONSTRUCTION	FY 2020 -	\$1,450,000	(O)
PROJ.CATEGORY	ROARING RIVER.		FY 2021 -	\$1,450,000	(O)
DIVISION	<u><b>TO ALLOW ADDITIONAL TIME FOR DESIGN DELAY</b></u>				
	<u><b>RIGHT-OF-WAY FROM FY 19 TO FY 20</b></u>			\$3,110,000	

BR-0125	SR 1002 (TRAPHILL ROAD), REPLACE BRIDGE 960663	RIGHT-OF-WAY	FY 2020 -	\$280,000	(O)
WILKES	ON SR 1002 OVER EAST PRONG ROARING RIVER.	CONSTRUCTION	FY 2020 -	\$1,275,000	(O)
PROJ.CATEGORY	<u><b>TO ALLOW ADDITIONAL TIME FOR DESIGN DELAY</b></u>		FY 2021 -	\$1,275,000	(O)
DIVISION	<u><b>RIGHT-OF-WAY FROM FY 19 TO FY 20</b></u>			\$2,830,000	

BR-0126	SR 1749 (AUSTIN TRAPHILL ROAD), REPLACE BRIDGE	RIGHT-OF-WAY	FY 2020 -	\$160,000	(O)
WILKES	960667 ON SR 1749 OVER SPARKS CREEK.	CONSTRUCTION	FY 2020 -	\$650,000	(O)
PROJ.CATEGORY	<u><b>TO ALLOW ADDITIONAL TIME FOR DESIGN DELAY</b></u>		FY 2021 -	\$650,000	(O)
DIVISION	<u><b>RIGHT-OF-WAY FROM FY 19 TO FY 20</b></u>			\$1,460,000	

### **DIVISION 12**

BR-0114	SR 1601 (BRANTON ROAD), REPLACE BRIDGE 480165	RIGHT-OF-WAY	FY 2020 -	\$150,000	(O)
IREDELL	ON SR 1601 OVER ROCKY CREEK.	CONSTRUCTION	FY 2020 -	\$150,000	(O)
PROJ.CATEGORY	<u><b>TO ALLOW ADDITIONAL TIME FOR DESIGN DELAY</b></u>		FY 2021 -	\$150,000	(O)
DIVISION	<u><b>RIGHT-OF-WAY FROM FY 19 TO FY 20</b></u>			\$450,000	

BR-0115	SR 1595 (COOLBROOK ROAD), REPLACE BRIDGE	RIGHT-OF-WAY	FY 2020 -	\$170,000	(O)
IREDELL	480166 ON SR 1595 OVER ROCKY CREEK.	CONSTRUCTION	FY 2020 -	\$800,000	(O)
PROJ.CATEGORY	<u><b>TO ALLOW ADDITIONAL TIME FOR DESIGN DELAY</b></u>		FY 2021 -	\$800,000	(O)
DIVISION	<u><b>RIGHT-OF-WAY FROM FY 19 TO FY 20</b></u>			\$1,770,000	

* C-5200	MOORESVILLE, NC 115 AND NC 150 IN MOORESVILLE.	CONSTRUCTION	FY 2020 -	\$1,211,000	(BGDA)
IREDELL	CONSTRUCT SOUTHBOUND NC 115 RIGHT TURN LANE		FY 2020 -	\$303,000	(L)
PROJ.CATEGORY	AT NC 150 AND WESTBOUND NC 150 SHARED			\$1,514,000	
EXEMPT	THROUGH-RIGHT LANE AT NC 115.				
	<u><b>ADDITIONAL STBG-DA FUNDS ALLOCATED BY CRTPO</b></u>				

# **REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS**

## **HIGHWAY PROGRAM STIP MODIFICATIONS**

### **DIVISION 12**

C-5701	MOORESVILLE, INTERSECTION OF NC 801 AND NC	RIGHT-OF-WAY	FY 2020 -	\$256,000	(BGDA)
IREDELL	150. CONSTRUCT INTERSECTION IMPROVEMENTS.		FY 2020 -	\$68,000	(L)
PROJ.CATEGORY	<u><b>ADDITIONAL STBG-DA FUNDS ALLOCATED BY CRTPO</b></u>	CONSTRUCTION	FY 2020 -	\$2,069,000	(BGDA)
EXEMPT			FY 2020 -	\$550,000	(L)
				<u>\$2,943,000</u>	

* EB-5787	MOORESVILLE, BELLINGHAM PARK GREENWAY	CONSTRUCTION	FY 2020 -	\$3,555,000	(BGDA)
IREDELL	EXTENSION TO JOHNSON DAIRY ROAD. CONSTRUCT		FY 2020 -	\$889,000	(L)
PROJ.CATEGORY	GREENWAY.			\$4,444,000	
DIVISION	<u><b>ADDITIONAL STBG-DA FUNDS ALLOCATED BY CRTPO</b></u>				

### **DIVISION 13**

B-6011	SR 1430 (HARLAND ROAD), REPLACE BRIDGE 110145	RIGHT-OF-WAY	FY 2020 -	\$65,000	(BGOFF)
BURKE	OVER BRISTOL CREEK.	CONSTRUCTION	FY 2020 -	<u>\$650,000</u>	(BGOFF)
PROJ.CATEGORY	<u><b>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</b></u>			\$715,000	
DIVISION	<u><b>DESIGN DELAY RIGHT-OF-WAY FROM FY 19 TO FY 20</b></u>				
	<u><b>AND CONSTRUCTION FROM FY 19 TO FY 20</b></u>				

B-6013	SR 1106 (LYNN GAP ROAD), REPLACE BRIDGE 600207	RIGHT-OF-WAY	FY 2020 -	\$40,000	(BGOFF)
MITCHELL	OVER GRASSY CREEK.	CONSTRUCTION	FY 2020 -	<u>\$400,000</u>	(BGOFF)
PROJ.CATEGORY	<u><b>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</b></u>			\$440,000	
DIVISION	<u><b>DESIGN DELAY RIGHT-OF-WAY FROM FY 19 TO FY 20</b></u>				
	<u><b>AND CONSTRUCTION FROM FY 19 TO FY 20</b></u>				

B-6014	SR 1781 (POLLY SPOUT ROAD), REPLACE BRIDGE	RIGHT-OF-WAY	FY 2020 -	\$100,000	(BGOFF)
McDOWELL	580312 OVER SECOND BROAD RIVER.	CONSTRUCTION	FY 2020 -	<u>\$1,000,000</u>	(BGOFF)
PROJ.CATEGORY	<u><b>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</b></u>			\$1,100,000	
DIVISION	<u><b>DESIGN DELAY RIGHT-OF-WAY FROM FY 19 TO FY 20</b></u>				
	<u><b>AND CONSTRUCTION FROM FY 19 TO FY 20</b></u>				

B-6016	SR 2027 (MARTINS CREEK ROAD), REPLACE BRIDGE	RIGHT-OF-WAY	FY 2020 -	\$50,000	(BGOFF)
BUNCOMBE	100142 OVER MARTIN CREEK.	CONSTRUCTION	FY 2020 -	\$500,000	(BGOFF)
PROJ.CATEGORY	<u><b>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</b></u>			\$550,000	
DIVISION	<u><b>DESIGN DELAY RIGHT-OF-WAY FROM FY 19 TO FY 20</b></u>				
	<u><b>AND CONSTRUCTION FROM FY 19 TO FY 20</b></u>				

## REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS

### HIGHWAY PROGRAM STIP MODIFICATIONS

#### DIVISION 14

B-6025	SR 1114 (SHOPE ROAD), REPLACE BRIDGE 550244	CONSTRUCTION	FY 2020 -	<u>\$550,000</u>	(BGOFF)
MACON	OVER N. FORK COWEETA CREEK.			\$550,000	
PROJ.CATEGORY	<u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u>				
DIVISION	<u>DESIGN DELAY RIGHT-OF-WAY FROM FY 19 TO FY 20</u>				

#### ITEM N SUMMARY

ADDITIONS	1 PROJECTS	\$664,000
MODIFICATIONS	41 PROJECTS	
	42 PROJECTS	\$664,000

## NCDOT November 7, 2019 Board of Transportation Agenda

SUMMARY: There are a total of 23 agreements for approval by the Board of Transportation

### Statewide

NC Wildlife Resources  
Commission (NCWRC)

This Agreement provides for the contribution of funds to NCWRC from the Department for appropriate conservation and recovery measures for the federally listed species of endangered aquatic mussel species, in lieu of establishing project specific conservation measures for certain projects statewide. The total amount of funding available for contribution will be dependent upon the number of NCDOT projects eligible to participate.

### Division 2

Town of Beaufort  
Carteret County  
R-3307  
34528.3.FR1

This Project consists of improvements on US 70 from four lanes at Radio Island to US 70 north of Beaufort near SR 1429 (Olga Road). At the request of the Municipality, the Department shall include project betterments in its construction contract. The estimated cost to the Municipality is \$12,265.

### Division 3

Town of Wrightsville Beach  
New Hanover County  
U-6236  
48932.3.1

This Project consists of construction of pedestrian, streetscape and access improvements along West Salisbury Street in Wrightsville Beach. The Municipality is responsible for the project. The Department will participate in 70% of eligible costs up to \$635,940 in federal funds. The Municipality shall provide a 30% non-federal match of \$272,546 and all costs that exceed the total available funding of \$908,486.

City of Wilmington  
New Hanover County  
U-6234  
48930.1.1  
48930.3.1

This Project consists of rehabilitation of a historic structure for transportation needs located at 525 North 4<sup>th</sup> Street in Wilmington. The Municipality is responsible for the project. The Department will participate in 80% of eligible costs up to \$1,360,000 in federal funds. The Municipality shall provide a 20% non-federal match of \$340,000 and all costs that exceed the total available funding of \$1,700,000.

## NCDOT November 7, 2019 Board of Transportation Agenda

### Division 3, cont.

City of Wilmington  
New Hanover County  
U-6235  
48931.1.1  
48931.3.1

This Project consists of the installation of traffic signal preemption for emergency vehicles at approximately 50 site locations throughout Wilmington. The Municipality is responsible for the project. The Department will participate in 80% of eligible costs up to \$1,016,816 in federal funds. The Municipality shall provide a 20% non-federal match of \$254,204 and all costs that exceed the total available funding of \$1,271,020.

Pender County  
R-3300B  
40237.3.3

This Project consists of improvements on NC 417 (Hampstead Bypass) from south of NC 210 to north of SR 1563 (Sloop Point Loop Road). At the request of the County, the Department shall include project betterments in its construction contract. The estimated cost to the County is \$68,272.

### Division 4

Town of Tarboro  
Edgecombe County  
W-5601DN  
50138.3.119

This Project consists of improvements to NC 111/NC 122 on SR 1006 (McKendree Church Road) and SR 1006 (Bullock School Road). This Utility Construction Agreement is to adjust and/or relocate municipally-owned water lines. The estimated cost to the Municipality is \$16,302.50.

### Division 5

Town of Apex  
Wake County  
R-2721A  
37673.3.TA2

This Project consists of improvements on NC 540 from the NC 55 Bypass to east of SR 1152 (Holly Springs Road). This Utility Construction Agreement is to adjust and/or relocate municipally-owned water and sewer lines. The fixed cost to the Municipality is \$225,521.21.

Town of Garner  
Wake County  
C-5604RA  
43714.1.13  
43714.3.13

This Project consists of connecting existing sidewalks along Timber Drive with five new signalized pedestrian crossings. This supplemental agreement is to increase funding. The Department will participate in an additional 80% of eligible costs up to \$335,182 in federal funds. The Municipality shall provide a 20% non-federal match of \$83,796 and all costs the exceed the total available funding of \$825,668.

NCDOT November 7, 2019 Board of Transportation Agenda

Division 5, cont.

Town of Garner  
Wake County  
R-2828  
35516.3.TA0

This Project consists of improvements on the Triangle Expressway Southeast Extension from east of US 401 to east of I-40. At the request of the Municipality, the Department shall include project betterments in its construction contract. The fixed cost to the Municipality is \$154,616.59.

Norfolk Southern Railway (NS)  
North Carolina Railroad  
Company (NCRR)  
Durham County  
P-5717  
46929

This Rail Crossing Closure Agreement covers the permanent closure of the at-grade highway-railroad crossing at Crossing #734 742W, Milepost H 62.83 (SR 1121 – Cornwallis Road). The Department will perform all specified work not on railroad right-of-way. NS will perform all work within their right-of-way. The estimated cost of the project is \$16,100,000.

Division 7

City of Greensboro  
Guilford County  
M-0533CE  
48478.3.5

This Project consists of a survey designed to collect complete travel information for a 24-hour weekday period from a representative sample of households in the Piedmont Triad region. The Department shall reimburse the Municipality from federal (\$560,000) and state funds (\$70,000) up to a maximum amount of \$630,000.

City of Greensboro  
Guilford County  
EB-5985  
48555.2.1  
48555.3.1

This Project consists of the construction of sidewalk and ADA compliant curb ramps on Cone Boulevard from Lafayette Street to O'Henry Boulevard (US 29) and on Elm Street north from Cone Boulevard to existing west side in Greensboro. The Department will participate in 80% of eligible costs up to \$559,000 in federal funds. The Municipality shall provide a 20% non-federal match of \$139,750 and all costs that exceed the total available funding of \$698,750.

City of Greensboro  
Guilford County  
U-5532K  
46297.2.12  
46297.3.12

This Project consists of sidewalk, ADA compliant curb ramps and the repair/replace of existing sidewalk and curb ramps as needed on North Elm Street from Cornwallis Drive to Cone Boulevard. This supplemental agreement is to reduce the scope and funding for the project. The Department will participate in 80% of eligible costs up to \$343,600 in federal funds. The Municipality shall provide a 20% non-federal match of \$85,900 and all costs that exceed the total available funding of \$429,500.

NCDOT November 7, 2019 Board of Transportation Agenda

Division 7, cont.

Town of Mebane  
Alamance County  
I-5711  
50401.3.GV1

This Project consists of interchange improvements at I-40/I-85 and SR 1007 (Mebane Oaks Road). This Utility Construction Agreement is to adjust and/or relocate municipally-owned water and sewer lines. The estimated cost to the Municipality is \$56,250.

Norfolk Southern Railroad Co.  
(NSR)  
North Carolina Railroad  
Company (NCRR)  
City of Greensboro  
Guilford County  
Y-4807B  
80000.2.1.6

This Rail Agreement covers NSR's engineering and construction costs for work within the railroad's right-of-way located on Pine Street and Lowdermilk Street in Greensboro. The project includes the removal of the existing Pine Street and Lowdermilk Street crossings and the installation of a new Rail Seal crossing for realigned Lowdermilk Street (MP H 2.66). The Department will be responsible for all costs incurred by NSR. The estimated project cost is \$100,000.

Division 9

Winston-Salem City County  
Utilities  
Forsyth County  
U-2579D, E & F  
34839.3.GV7

This Design-Build Project consists of construction of the Winston-Salem Beltway from west of NC 66/SR 4000 (University Parkway) to US 311 (New Walkerton Road). This Utility Construction Agreement (UCA) is for the installation of municipal water lines. The fixed cost to the Municipality is \$1,797,477.26.

Division 10

City of Charlotte  
Mecklenburg County  
2021CPT.10.06.10601  
2021CPT.10.06.20601

This Project consists of the replacement of traffic signal loops on sections of primary and secondary roads resurfaced by Department contract within the municipal limits of Charlotte. The Municipality is responsible for all phases of the work. The Department shall reimburse the Municipality based on an annual approved amount for the loop replacement work as established by the Municipal Operations Agreement Traffic Schedule C.

City of Charlotte  
Mecklenburg County  
EB-6036  
48853.3.1

This Project consists of construction of Hornets Nest Park Access Improvements. The Municipality is responsible for the project. The Department will participate in 80% of eligible costs up to \$1,500,000 in federal funds. The Municipality shall provide a 20% non-federal match of \$375,000 and all costs that exceed the total available funding of \$1,875,000.

## NCDOT November 7, 2019 Board of Transportation Agenda

### Division 10, cont.

Preferred Parking (Lessee)  
Mecklenburg County  
32213

This Rail Agreement is for a lease agreement for the Lessee to use Lessor's property at 604 S. Cedar Street in Uptown Charlotte for vehicle parking purposes. The lease agreement includes the terms and conditions by which the Lessee will occupy and operate the real property. The Lessee will pay the Department a monthly lease amount of \$5,001.00 for the duration of the lease. The Lease will become effective on December 1, 2019 and shall continue for a period of one year, with an option for up to two additional years.

### Division 12

City of Hickory  
Catawba County  
I-5716  
50133.3.1

This Project consists of interchange improvements at I-40/SR 1007 (Lenoir-Rhyne Boulevard). At the request of the Municipality, the Department shall include project betterments in its construction contract. The estimated cost to the Municipality is \$13,929.

City of Hickory  
Catawba County  
EB-6038  
48927.1.1  
48927.2.1  
48927.3.1

This Project consists of the construction of the 9th Street NW and 11th Street NW Multi-Use Trail Connector and US 321 Multi-Use Trail and Bike/Ped Bridge. The Municipality is responsible for the project. The Department will participate in eligible costs up to \$17,086,121 in BUILD Grant funds. The Municipality shall provide a non-federal match of \$4,679,639 and all costs that exceed the total available funding of \$21,765,760.

### Division 13

Town of Rutherfordton  
Rutherford County  
R-2233BB  
34400.3.4

This Project consists of improvements on US 221 south of US 74 Business (Charlotte Road) to north of SR 1366 (Roper Loop Road). At the request of the Municipality, the Department shall include project betterments in its construction contract. The estimated cost to the Municipality is \$88,057.



## NCDOT November 7, 2019 Board of Transportation Agenda

SUMMARY: There are a total of 26 agreements for informational purposes only

### Statewide

NC Department of Natural and  
Cultural Resources, Division of  
Parks and Recreation  
Statewide  
30001.98

This Project consists of the fabrication and installation of highway directional signs for various State Parks throughout the State. The Department will perform the work. The Agency shall reimburse the Department 100% for the work. The estimated reimbursement is \$30,000.

### Division 1

Tyrrell County  
36249.4080

This Project consists of replacing an existing driveway pipe with 30' x 48" CAAP, including Beamon aluminum flap gate on SR 1209 (Fort Landing Road) in Tyrrell County. The Department will perform the work. The County shall reimburse the Department 100% for the work. The estimated reimbursement is \$40,000.

NC Wildlife Resources  
Commission (NCWRC)  
Northampton County  
36249.4083

This Project consists of grading, paving, and drainage to install an access road to Odom Boat Landing off of Chapel Hill Church Road in Northampton County. The NCWRC shall reimburse the Department 100% of the actual cost of all work performed by the Department, including administrative costs. The estimated cost is \$269,280.

### Division 3

City of Wilmington  
New Hanover County  
U-5534B  
44096.1.3  
44096.2.3  
44096.3.3

This Project consists of construction of a public walkway/pier underneath the Heide Trask Drawbridge to provide for safe crossing for cyclists and pedestrians across US 74 (Wrightsville Avenue) on the mainland side of the drawbridge in Wilmington. The Municipality is responsible for the project. This supplemental agreement extends the completion date of the project to January 31, 2020 in lieu of July 10, 2019.

New Hanover County Schools  
(Agency)  
New Hanover County

This Agreement is to address ownership and maintenance responsibilities of school zone flashers for public schools in New Hanover County. The Agency shall be responsible for ownership and maintenance.

## NCDOT November 7, 2019 Board of Transportation Agenda

### Division 4

City of Goldsboro  
Wayne County  
U-5724  
54016.2.1

This Project consists of realignment of SR 1709 (Central Heights Road) at US 13 (Berkeley Boulevard). This supplemental agreement is to extend the due dates for the Municipality for the approved second and third installment payments for the Municipality's reimbursement to the Department. The Department shall invoice the Municipality for the second installment in the amount of \$187,500 on July 1, 2020 and for the third installment of \$187,500 on July 1, 2021.

### Division 5

Nash Wendell Falls, LLC  
Wake County  
36249.4082

This Project consists of a new traffic signal located on SR 2502 (Wendell Falls Parkway) at Taylor Road/Treelight Square. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% for the work. The estimated reimbursement is \$7,000.

Wegmans Food Markets, Inc.  
Wake County  
36249.4085

This Project consists of installations for 4 new traffic signals with metal strain poles on the NC 98 Bypass. The Department will review the traffic signal plans and inspect the traffic signal installations. The Developer shall reimburse the Department 100% for the work. The estimated reimbursement is \$7,000.

Town of Rolesville  
Wake County

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

Town of Wake Forest  
Wake County

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

NCDOT November 7, 2019 Board of Transportation Agenda

Division 5, cont.

Town of Wake Forest  
Wake County  
U-5118BA  
42379.1.3  
42379.3.3

This Project consists of improvements on Ligon Mill Road from US 1A to a point 1300 feet north. This supplemental agreement is to extend the completion date of the Project. The Municipality shall complete the Project by December 30, 2021 in lieu of June 30, 2019.

Capitol Commercial, LLC  
Wake County  
U-2719  
35869.3.1

This Project consists of widening I/440/US 1 south of SR 1313 (Walnut Street) to SR 1728 (Wade Avenue). In conjunction with the project, this agreement is to add additional work associated with the Vintage Jones Franklin development along Jones Franklin Road. The Developer shall donate all required ROW and easements along their frontage for construction of the Project.

City of Durham  
Durham County  
36050.032  
36053.032

This Project consists of winter weather maintenance of "Subject Roads and Rights of Way Snow and Ice Routes" on the State Highway System. The Department shall reimburse the Municipality for the actual cost of labor, materials, and equipment.

City of Durham  
Durham County  
5.103212  
5.203212

This Municipal Maintenance Agreement (Schedule A) provides for the Municipality to contract with the Department for the installation, repair and maintenance of traffic control devices. The Municipality shall install and maintain signs and supports on the State Highway System Streets located within the Municipality. The Department shall be billed quarterly by the Municipality for the cost of signs and supports as per the Agreement.

City of Durham  
Durham County  
5.103212  
5.203212

This Municipal Maintenance Agreement (Schedule B) provides for the Municipality to maintain traffic control devices. The Municipality shall install and maintain pavement marking materials and pavement markers on the State Highway System Streets located within the Municipality. The Department shall be billed quarterly by the Municipality for the cost of signs and supports as per the Agreement.

## NCDOT November 7, 2019 Board of Transportation Agenda

### Division 5, cont.

Wake County  
B-5121/B-5317  
42263.3.1

This project consists of the Peace Street/Capital Boulevard Bridge replacement. This supplemental agreement provides an upgraded dumpster enclosure gate as a betterment requested by the County. The County shall reimburse the Department 100% of the actual cost of the betterment work performed by the Department. The estimated cost is \$16,110.29.

### Division 6

Fayetteville Area Metropolitan  
Planning Organization (FAMPO)  
Cumberland County  
41794.13

This Project consists of the production of a Bicycle Plan for a multi-county region. This supplemental agreement extends the completion date of the Project to December 31, 2019 in lieu of June 30, 2019.

### Division 8

Asheboro City Schools  
Randolph County  
8.207612

This Project consists of revising the existing traffic signal at SR 1453 (W. Walker Avenue) and SR 1707 (S. Church Street)/Asheboro High School to slightly modify the school approach and installing metal mast arm assemblies. The Department will review the signal design and inspect the signal installation at no cost to the school.

### Division 9

Village of Tobaccoville  
Forsyth County  
36248.297

This Project consists of resurfacing municipal streets and Department streets inside the municipal limits. On a monthly basis, the Municipality shall reimburse the Department 100% of the actual cost of the resurfacing work from Powell Bill funds.

### Division 10

Town of Harrisburg  
Cabarrus County  
36249.4081

This Project consists of the installation of a new emergency signal located at Harrisburg Fire Station No. 2 along SR 1139 (Rocky River Road). The Department will review the traffic signal plans and inspect the traffic signal installation. The Municipality shall reimburse the Department 100% for the work. The estimated reimbursement is \$6,000.

## NCDOT November 7, 2019 Board of Transportation Agenda

### Division 10, cont.

City of Charlotte  
Mecklenburg County  
B-5242  
42844.1.1  
42844.2.FD1  
42844.3.3

This Project consists of replacement of Municipal Bridge No. 376 over Irwin Creek on Barringer Drive. This supplemental agreement extends the completion date of the Project to March 7, 2020 in lieu of May 1, 2019.

Rocky River Road Associates,  
LLC  
Cabarrus County  
36249.4084

This Project consists of modification of a traffic signal at SR 1139 (Rocky River Road) and SR 1171 (Plaza Road Extension)/Farmington Ridge Parkway. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% for the work. The estimated reimbursement is \$12,000.

Birkdale Real Estate Investors,  
LLC  
Mecklenburg County  
36249.4088

This Project consists of the modification of a traffic signal at NC 73 and Lindholm Drive. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% for the work. The estimated reimbursement is \$6,000.

### Division 12

City of Lowell  
Gaston County  
36249.4087

This Project consists of the construction of pedestrian signals at the intersection of NC 7 (Main Street) and 1<sup>st</sup> Street (NC 7). The Department will review the pedestrian signal plans. The Municipality shall reimburse the Department 100% for the work. The estimated reimbursement is \$2,500.

City of Newton  
Catawba County  
12.101811

This Project consists of repairing and restoring drainage on NC 16 Business (North Main Avenue) near SR 1739 (East 20<sup>th</sup> Street) in Newton. The Department will perform the work. The Municipality shall participate in the costs of the project in the amount of \$30,000.

### Division 13

South College  
Buncombe County  
36249.4086

This Project consists of design, fabrication and installation of signs for South College along Interstate 40 at both approaches to Exit 51 in Buncombe County. The Department will perform the work. The College shall reimburse the Department 100% for the work. The estimated reimbursement is \$1,298.26.

# NCDOT November 2019 Board of Transportation Agenda

## Municipal Street System Changes for Powell Bill Program

### Deletions from the State Highway System

Div	County	Municipality	Road	Termini	Length
8	Chatham	Pittsboro	SR 1950; East Cornwallis Street	To delete from the centerline approximately 75 feet West of intersection of Acorn Park Lane to the centerline intersection of Windsong Drive	0.200

**File Name:** Chatham\_2019\_11\_M001

8	Chatham	Pittsboro	SR 1658; Russet Run	To delete from the centerline intersection of US 15-501 to end of state maintenance	0.330
---	---------	-----------	---------------------	---	-------

**File Name:** Chatham\_2019\_11\_M002

**Total Miles = 0.530**

## **NCDOT November 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 - R-3</b>
<b>2</b>	<b>Final Right of Way Plans</b>	<b>R-4</b>
<b>3</b>	<b>Conveyance ROW Residue (HB 501)</b>	<b>R-5 – R-11</b>
<b>4</b>	<b>Approval of Revision in Control of Access</b>	<b>R-12</b>
<b>5</b>	<b>Approval of Conveyance of Highway Right of Way Residues</b>	<b>R-13</b>
<b>6</b>	<b>Authorization to Conveyance of Surplus Highway Right of Way</b>	<b>R-14</b>
<b>7</b>	<b>Approval of Private Bridge on Highway Right of Way</b>	<b>R-15</b>
<b>8</b>	<b>R-Correction</b>	<b>R-16</b>

## **NCDOT November 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)**

**Craven County; I.D. No. U-5713; Project No. 50111.2.1:**

US 70 from the Neuse River Bridge to SR 1124 (Grantham Road)

**Pitt County; I.D. No. BR-0119; Project No. 48828.2.1:**

Bridge No. 109 over Grindle Creek on SR 1514 (Stanton Mill Road)

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

Bridge No. 123 over Meadow Branch on SR 1552

**Carteret County; I.D. No. R-5816; Project No. 46988.2.1:**

NC 58 (West Fort Macon) at Atlantic Beach Causeway (Utilities under 46988.2.2)

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

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

Bridge No. 178 over Seven-mile Swamp on SR 1804 (Houses Mill Road)

**Pender County; I.D. No. R-5701; Project No. 46373.2.1:**

NC 53 at US 117 Business (Walker/Wilmington Street)



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

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

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

**Sampson County; I.D. No. BR-0122; Project No. 48831.2.1:**  
Bridge No. 348 over Beaverdam Creek on SR 1703 (Old Goldsboro Road)

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

**Nash County; I.D. No. BR-0116; Project No. 48825.2.1:**  
Bridge No. 80 over Gideon Swamp on SR 1403

**Wilson County; I.D. No. B-5666; Project No. 45621.2.1:**  
Bridge No. 47 over Seaboard Coast Line Railroad on US 117

**Edgecombe County; I.D. No. BR-0111; Project No. 48820.2.1:**  
Bridges numbered 003, 004 and 005 over Swift Creek on SR 1404 (7 Bridges Road)

**Edgecombe County; I.D. No. BR-0112; Project No. 48821.2.1:**  
Bridge No. 35 over Otter Creek on SR 1616

**Halifax County; I.D. No. BR-0113; Project No. 48822.2.1:**  
Bridge No. 115 over Rocky Swamp on SR 1601

**Edgecombe County; I.D. No. B-4931; Project No. 40134.2.1:**  
Bridge No. 22 over Town Creek on US 258

**Wilson County; I.D. No. U-5794; Project No. 44365.2.1:**  
SR 1309 (Bloomery Road) / SR 1382 (Packhouse Road) from NC 58 to US 264  
Alternate

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

**Forsyth County; I.D. No. U-5824; Project No. 44395.2.1:**  
NC 66 (Old Hollow Road) from Harley Drive to US 158 in Walkertown

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

**Cabarrus County; I.D. No. C-5603I; Project No. 43713.2.9:**  
US 601 from Flowes Store Road to Zion Church Road and at the US 601 and Flowes Store Road Intersection

**Anson County; I.D. No. B-5809; Project No. 45763.2.1:**  
Bridge No. 75 over North Fork Jones Creek on SR 1142

**Mecklenburg County; I.D. No. U-5805; Project No. 44377.2.1:**  
Intersection of SR 1009 (Monroe Road) and Rama Road/Idlewild Road)

**Mecklenburg County; I.D. No. W-5710X; Project No. 44856.2.24:**  
SR 2042 (Oakdale Drive), SR 2108 (Sunset Boulevard), SR 2025 (Miranda Road) an SR 2040 (Lawing Road) near Charlotte

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

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

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

**Wilkes County; I.D. No. BR-0125; Project No. 48834.2.1:**  
Bridge No. 663 over East Prong Roaring River on SR 1002

**Surry County; I.D. No. BR-0123; Project No. 48832.2.1:**  
Bridge No. 318 over UT to South Fork Mitchell River on SR 1319

**Caldwell County; I.D. No. EB-5806; Project No. 46457.2.1:**  
Hospital Avenue from Harper Avenue to US 321 (Blowing Rock Boulevard)

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

**Iredell County; I.D. No. BR-0114; Project No. 48823.2.1:**  
Bridge No. 165 on SR 1601 (Branton Road) over Rocky Creek

**Gaston County; I.D. No. C-5505; Project No. 45498.2.3:**  
Woodlawn Avenue to Belmont Abby College and downtown

**Catawba County; I.D. No. U-4700A; Project No. 35993.2.GV6:**  
US 321 from US 70 in Hickory to US 321A (combined with B-4450: to replace Bridge No. 367 over Catawba River on US 321)

**Iredell County; I.D. No. BR-0115; Project No. 48824.2.1:**  
Bridge No. 166 over Rocky Creek on SR 1595

**PRELIMINARY RIGHT OF WAY PLANS**

**26 PROJECT(S)**

**\$ 0.00**

## **NCDOT November 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 5)**

##### **Project No. 50118.2.1; Wake County; I.D. No. I-5700:**

Culvert, drainage, grading, ITS, paving, signals and structure on I-40 SR 3015 (Airport Boulevard) revise interchange and construct auxiliary lane on I-40 Westbound from SR 3015 (Airport Boulevard) to I-540 with the right of way indicated upon the final plans for said project.

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

##### **Project No. 32574.2.4; Clay County; I.D. No. A-0011C:**

Drainage, grading and paving on NC 69 – US 64 from Georgia State Line to US 64 (Hayesville Bypass) with the right of way indicated upon the final plans for said project.

**FINAL RIGHT OF WAY PLANS**

**2 PROJECT(S)**

**\$ 0.00**

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

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

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

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

##### **Project 8.14156, Parcels 034, 036 & 039, US 15**

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

Conveyance of an approximate 22.605-acre area comprised of two (2) landlocked B-class and two (2) landlocked C-class residues to Glenwood Homes LLC & Assignees for the highest offer amount of **\$203,000**; total commission \$6,000.

##### **Project 8.T351203, I-0306C Parcels 045 & J, I-85 west of US 15-501**

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

Conveyance of an approximate 0.422-acres comprised of five (5) landlocked C-class residues to Elmo R. Yancey for the highest offer amount of **\$24,040**; commission \$2,500.

##### **Project 8.1413001, 032NC147 Parcel 001 Durham Expressway**

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

Conveyance of an approximate 0.140-acres comprised of one (1) landlocked B-class residue to Anand Singh and Sanjay Anand for the highest offer amount of **\$7,000**; commission \$2,500.

##### **Project 8.1416802, 032I40 Parcels 001 & 002 I-40**

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

Conveyance of an approximate 0.110-acres comprised of two (2) landlocked C-class residues to CKE V, LLC for the highest offer amount of **\$825**; commission \$1,000.

##### **Project 9.7052202, 073SR1601 Parcel 021 SR 1601 Foushee St**

###### **Person County**

Conveyance of an approximate 0.020-acres comprised of one (1) landlocked C-class residue to Brian Keith Pulliam for the highest offer amount of **\$300**; commission \$500.

##### **Project 6.408006T, R-2635 Parcel 905 Western Wake Freeway**

###### **Wake County**

Conveyance of an approximate 7.020-acres comprised of one (1) landlocked B-class residue to Narendra Meka for the highest offer amount of **\$75,000**; commission \$2,500.

##### **Project 35520.2.1, R-2635 Parcel 003 Western Wake Freeway**

###### **Wake County**

Conveyance of an approximate 2.37-acres comprised of one (1) landlocked B-class residue to Robert Bereman for the highest offer amount of **\$2,500**; commission \$2,500.

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

### **Approval of Conveyance of Highway Right of Way Residues by Real Estate Agent and/ or Auctioneer per House Bill 501 Pilot Program (continued)**

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

##### **Project 8.1402205, R-2547BB Parcel 074 US 64 Bypass Wake County**

Conveyance of an approximate 0.590-acres comprised of one (1) landlocked B-class residue to Theodore Allen Cunningham for the highest offer amount of **\$2,500**; commission \$2,500.

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

##### **Project 34336.2.2, R-0210A Parcel 043 US 1 Bypass Moore County**

Conveyance of an approximate 13.300-acres comprised of one (1) landlocked B-class residue to Heladio Martinez and Brenda Martinez for the highest offer amount of **\$20,000**; commission \$2,500.

##### **Project 17BP.8.R.101, 076SR2182 Parcel 001 SR 2182 E. Allred Street Randolph County**

Conveyance of an approximate 0.210-acres comprised of one (1) landlocked B-class residue to Lloyd J. Hamlet for the highest offer amount of **\$200**; commission \$2,500.

##### **Project 8.1579501, 076NC62 Parcel 001 NC 62-US311 Randolph County**

Conveyance of an approximate 0.900-acres comprised of one (1) landlocked B-class residue to Jeff McKinney for the highest offer amount of **\$3,500**; commission \$2,500.

##### **Project 8.15790, 076US220 Parcel 001 US 220 Bypass Randolph County**

Conveyance of an approximate 0.020-acres comprised of one (1) landlocked C-class residue to Asheboro Church of God – Boyd F. Byerly for the highest offer amount of **\$150**; commission \$500.

##### **Project 6.589005T, R-0512F Parcel 022 US 74 Bypass Richmond County**

Conveyance of an approximate 0.200-acres comprised of one (1) landlocked C-class residue to Eddie Lee Wilson and Lisa Gaye Wilson for the highest offer amount of **\$300**; commission \$500.

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

##### **Project 33048.2.2, B-3421 Parcel 017 Bridge 266 Over Southern Railway on SR 1002 Cabarrus Ave. Cabarrus County**

Conveyance of an approximate 0.090-acres comprised of one (1) landlocked C-class residue to AMDM Investments, LLC for the highest offer amount of **\$250**; commission \$1,250.

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

### **Approval of Conveyance of Highway Right of Way Residues by Real Estate Agent and/or Auctioneer per House Bill 501 Pilot Program (continued)**

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

##### **Project 33048.2.2, B-3421 Parcel 009 Bridge 266 Over Southern Railway on SR 1002 Cabarrus Ave.**

###### **Cabarrus County**

Conveyance of an approximate 0.100-acres comprised of one (1) landlocked C-class residue to AMDM Investments, LLC for the highest offer amount of **\$250**; commission \$1,250.

##### **Project 34379.2.1, R-2123 Parcel 901 I-85 Charlotte Outer Loop**

###### **Mecklenburg County**

Conveyance of an approximate 0.130-acres comprised of one (1) landlocked B-class residue to Patrice Pickett for the highest offer amount of **\$1,000**; commission \$2,500.

##### **Project 34379.2.15, R-2123CC Parcel 026 I-85 Charlotte Outer Loop**

###### **Mecklenburg County**

Conveyance of an approximate 2.000-acres comprised of one (1) landlocked B-class residue to AMDM Investments, LLC for the highest offer amount of **\$3,500**; commission \$2,500.

##### **Project 8.1636601, I-0301 Parcel 365 I-85 Charlotte Outer Loop**

###### **Mecklenburg County**

Conveyance of an approximate 0.0009-acres (39.204 sq. ft.) comprised of one (1) landlocked C-class residue to AMDM Investments, LLC for the highest offer amount of **\$50**; commission \$1,250.

##### **Project 8.1671002, U-0209D Parcel 236 US 74**

###### **Mecklenburg County**

Conveyance of an approximate 0.170-acres comprised of one (1) landlocked B-class residue to AMDM Investments, LLC for the highest offer amount of **\$1,000**; commission \$2,500.

##### **Project 6.678007B, R-2248D Parcel 021 I-485 @ I-77**

###### **Mecklenburg County**

Conveyance of an approximate 0.270-acres comprised of one (1) landlocked B-class residue to AMDM Investments, LLC for the highest offer amount of **\$750**; commission \$2,500.

##### **Project 6.678007B, R-2248D Parcel 901 I-485 @ I-77**

###### **Mecklenburg County**

Conveyance of an approximate 0.140-acres comprised of one (1) landlocked C-class residue to Patrice Pickett for the highest offer amount of **\$100**; commission \$1,250.

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

### **Approval of Conveyance of Highway Right of Way Residues by Real Estate Agent and/ or Auctioneer per House Bill 501 Pilot Program (continued)**

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

##### **Project 6.1636601, I- 0301 Parcel 077A I-85 Charlotte Outer Loop Mecklenburg County**

Conveyance of an approximate 0.120-acres comprised of one (1) landlocked B-class residue to AMDM Investments, LLC for the highest offer amount of **\$1,000**; commission \$2,500.

##### **Project 8.1671002, U-0209D Parcel 250 US 74 Mecklenburg County**

Conveyance of an approximate 0.210-acres comprised of one (1) landlocked B-class residue to AMDM Investments, LLC for the highest offer amount of **\$1,000**; commission \$2,500.

##### **Project 6.1636601, I-0301 Parcel 182B I-85 Charlotte Outer Loop Mecklenburg County**

Conveyance of an approximate 0.010-acres comprised of one (1) landlocked C-class residue to AMDM Investments, LLC for the highest offer amount of **\$50**; commission \$1,250.

##### **Project 8.1671002, U-0209 Parcel 903 US 74 Mecklenburg County**

Conveyance of an approximate 0.060-acres comprised of one (1) landlocked C-class residue to AMDM Investments, LLC for the highest offer amount of **\$150**; commission \$1,250.

##### **Project 34410.2.15, R-2248C Parcel 034A I-485 Mecklenburg County**

Conveyance of an approximate 1.230 -acres comprised of one (1) landlocked C-class residue to AMDM Investments, LLC for the highest offer amount of **\$700**; commission \$1,250.

##### **Project 34410.2.15, R-2248C Parcel 034B I-485 Mecklenburg County**

Conveyance of an approximate 1.110 -acres comprised of one (1) landlocked B-class residue to AMDM Investments, LLC for the highest offer amount of **\$700**; commission \$1,250.

##### **Project 34410.2.19, R-2248D Parcel 036 I-485 Charlotte Outer Loop Mecklenburg County**

Conveyance of an approximate 0.490 -acres comprised of one (1) landlocked B-class residue to AMDM Investments, LLC for the highest offer amount of **\$2,500**; commission \$2,500.

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

### **Approval of Conveyance of Highway Right of Way Residues by Real Estate Agent and/ or Auctioneer per House Bill 501 Pilot Program (continued)**

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

##### **Project 8.16575, R-2248 Parcel 905 I-485 Charlotte Outer Loop Mecklenburg County**

Conveyance of an approximate 0.130 -acres comprised of one (1) landlocked C-class residue to Patrice Pickett for the highest offer amount of **\$200**; commission \$1,250.

##### **Project 42006.2.1, I-5014 Parcel 901 I-277 Brookshire Freeway Mecklenburg County**

Conveyance of an approximate 0.050 -acres comprised of one (1) landlocked C-class residue to AMDM Investments, LLC for the highest offer amount of **\$100**; commission \$1,250.

##### **Project 8.1675301, I-4028 Parcel 001 I-77-85-485 Mecklenburg County**

Conveyance of an approximate 1.530 -acres comprised of one (1) landlocked B-class residue to AMDM Investments, LLC for the highest offer amount of **\$2,500**; commission \$2,500.

##### **Project 34410.2.15, R-2248C Parcel 026 I-485 Mecklenburg County**

Conveyance of an approximate 0.190 -acres comprised of one (1) landlocked C-class residue to AMDM Investments, LLC for the highest offer amount of **\$200**; commission \$1,250.

##### **Project 34410.2.15, R-2248C Parcel 026A I-485 Mecklenburg County**

Conveyance of an approximate 0.090 -acres comprised of one (1) landlocked C-class residue to AMDM Investments, LLC for the highest offer amount of **\$100**; commission \$1,250.

##### **Project 6.678012T, Parcel 021 I-485 Mecklenburg County**

Conveyance of an approximate 0.140 -acres comprised of one (1) landlocked B-class residue to AMDM Investments, LLC for the highest offer amount of **\$1,000**; commission \$2,500.

##### **Project 8.U671613, Parcel 003 I-485 Mecklenburg County**

Conveyance of an approximate 0.510 -acres comprised of one (1) landlocked B-class residue to AMDM Investments, LLC for the highest offer amount of **\$4,500**; commission \$2,500.



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

### **Approval of Conveyance of Highway Right of Way Residues by Real Estate Agent and/ or Auctioneer per House Bill 501 Pilot Program (continued)**

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

##### **Project 34410.2.12, R-2248BB Parcel 069 I-485 Charlotte Outer Loop Mecklenburg County**

Conveyance of an approximate 0.110 -acres comprised of one (1) landlocked C-class residue to AMDM Investments, LLC for the highest offer amount of **\$250**; commission \$1,250.

##### **Project 34410.2.12, R-2248BB Parcel 069A I-485 Charlotte Outer Loop Mecklenburg County**

Conveyance of an approximate 0.330 -acres comprised of one (1) landlocked B-class residue to AMDM Investments, LLC for the highest offer amount of **\$1,000**; commission \$2,500.

##### **Project 34410.2.15, R-2248C Parcel 036 I-485 Mecklenburg County**

Conveyance of an approximate 0.240 -acres comprised of one (1) landlocked C-class residue to AMDM Investments, LLC for the highest offer amount of **\$250**; commission \$1,250.

##### **Project 8.1671902, R-0203A Parcel 097 NC 24/SR 3128 Mecklenburg County**

Conveyance of an approximate 0.330 -acres comprised of one (1) landlocked B-class residue to AMDM Investments, LLC for the highest offer amount of **\$2,000**; commission \$2,500.

##### **Project 8.1671004, U-0209E Parcel 001 US 74 Independence Blvd. Mecklenburg County**

Conveyance of an approximate 0.010 -acres comprised of one (1) landlocked C-class residue to AMDM Investments, LLC for the highest offer amount of **\$50**; commission \$1,250.

##### **Project 34410.2.12, R-2248BB Parcel 069 I-485 Charlotte Outer Loop Mecklenburg County**

Conveyance of an approximate 0.110 -acres comprised of one (1) landlocked C-class residue to AMDM Investments, LLC for the highest offer amount of **\$250**; commission \$1,250.

##### **Project 8.U672211, R-2248BB Parcel 901 I-485 Charlotte Outer Loop Mecklenburg County**

Conveyance of an approximate 0.010 -acres comprised of one (1) landlocked C-class residue to AMDM Investments, LLC for the highest offer amount of **\$100**; commission \$1,250.

**NCDOT November 2019 Board of Transportation Agenda**

**Approval of Conveyance of Highway Right of Way Residues by Real Estate Agent and/  
or Auctioneer per House Bill 501 Pilot Program (continued)**

**(Division 10) (continued)**

**Project 34410.2.15, R-2248C Parcel 035 I-485 Charlotte Outer Loop  
Mecklenburg County**

Conveyance of an approximate 0.310 -acres comprised of one (1) landlocked C-class residue to AMDM Investments, LLC for the highest offer amount of **\$250**; commission \$1,250.

**(Division 12)**

**Project 6.801783, R-0044A Parcel 041 US 74 Kings Mountain Bypass  
Cleveland County**

Conveyance of an approximate 9.17-acres comprised of one (1) landlocked B-class residue to Verna Elizabeth Keller for the highest offer amount of **\$21,000**; commission \$1,000.

**Project 34517.2.2, R-2911A Parcels 048 & 911 US 70  
Project 32669.2.1, B-2576 Parcels 006 and 901 Bridges 513 & 514 over Norfolk  
Southern Railroad on Wilson W. Lee Blvd  
Project 9.8123136, U-0088A Parcel 130 Industrial Blvd.  
Cleveland County**

Conveyance of an approximate 1.24-acres comprised of three (3) landlocked B-class residues and four (4) landlocked C-class residues to Michael Sullivan for the highest offer amount of **\$3,050**; commission \$7,000.

**CONVEYANCE ROW RESIDUE**

**45 PROJECT(S)**

**\$ 389,115.00**

## **NCDOT November 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 3)**

**Project 6.803967, Parcel 074 US 17 (Ocean Highway) near SR 1732 (Carol Lynn Drive) Southwest of Leland  
Brunswick County**

Revision of three existing access points; Two will be shifted and One will be closed. This request came from Buster Development, LLC. No enhancement due to a net gain of control of access.

**Project 8.1223301, Southwestern side of I-40 at its intersection with NC 13 Newton Grove Highway  
Sampson County**

Conveyance of access revision for NCDPS HP VIPER Tower to be used to assist in the creation of the VIPER network for no consideration.

**REVISION IN CONTROL OF ACCESS**

**2 PROJECT(S)**

**\$ 0.00**

## **NCDOT November 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 6)**

**Project 34917.2.3 U-3311B 142, SR 1141 (Bingham Drive) from Hope Mills Road to US 401 (Raeford Road)**

**Cumberland County**

Conveyance of approximately 0.130 acre area to ITAC 365, LLC, the highest bidder after public advertisement, for the bid sum of \$12,000.00

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

**Project 8.2841903 U-1001A 028 & 030, SR 1781 (Broadway Avenue) from US 19-23-70 to I-240**

**Buncombe County**

Conveyance of approximately 0.28 acre area to City of Asheville, in accordance with NCGS 160A-274, for the appraised value of \$70,575.00.

**CONVEYANCE OF ROW RESIDUE**

**2 PROJECT(S)**

**\$ 82,575.00**

## **NCDOT November 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 2)**

**Project 8.11004, NC 92 Northwest quadrant of bridge over Bath Creek  
Beaufort County**

Disposal of approximately 0.265 acre surplus right of way to Ford Worthy for no consideration

**Project 8.11004, NC 92 Northwest quadrant of bridge over Bath Creek  
Beaufort County**

Disposal of approximately 0.337 acre surplus right of way to Nolan Farms, LLC for no consideration

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

**Project 34418.2.3, (5437) US 220 near SR 2237 (Owls Roost Road)  
Guilford County**

Disposal of approximately 0.125 acre surplus right of way to Judith Brown for no consideration

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

**Project 8.3019114, US 64 Northeast quadrant SR 1326 (Peachtree Street) near its  
intersection with US 19/74/129  
Cherokee County**

Disposal of approximately 0.85 acre surplus right of way to Cherokee County for use as an EMS Station for no consideration

**CONVEYANCE OF SURPLUS RIGHT OF WAY**

**4 PROJECT(S)**

**\$ 0.00**

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

### **Approval of Private Bridge on 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 conveyance be approved.

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

##### **SR 1219 (17<sup>th</sup> Street), Wilmington, New Hanover County:**

In accordance with G. S. 136-18(37), the Board of Transportation authorizes the Department to permit an Encroachment of the right of way for the construction of a private bridge across SR 1219 (17<sup>th</sup> Street) located in Wilmington in New Hanover County. This pedestrian overpass will be used as a connection between a newly-constructed parking deck on the west side of 17<sup>th</sup> Street to the existing New Hanover Regional Medical Center facilities on the east side of 17<sup>th</sup> Street. Locations, plans, and specifications for the bridge shall be approved by the Department and the encroachment shall not unreasonable interfere with or obstruct the public use of SR 1219 (17<sup>th</sup> Street) and shall be subject to all rules, regulations, and conditions of the Department for encroachments and including all conditions mandated under G. S. 136-18(37).

Approved by the Board of Transportation November 6, 2019.

Secretary to the Board of Transportation \_\_\_\_\_

**APPROVAL OF PRIVATE BRIDGE ON HIGHWAY RIGHT OF WAY 1 PROJECT(S) \$0.00**

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

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

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

**Presented on October 3, 2019 Agenda as:**

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

**Project 8.1811201 (34799.2.1), U-2408 Parcels 049, 055A, 055B, 903A, 903B & 903C, NC 274 Bessemer City Rd. from NC 274 Dallas Bessemer City Rd. to US 29-74 Franklin Blvd.**

##### **Gaston County**

Conveyance of an approximate 0.731-acre comprised of four (4) landlocked B-class and two (2) landlocked C-class residue areas to Ricky M. Treece for the highest offer amount of **\$2,400.00**; commission \$1,000.00

**Project 8.1811201 (34799.2.1), U-2408 Parcels 107, 109, 111A, 111B & 112, NC 274 Bessemer City Rd. from NC 274 Dallas Bessemer City Rd. to US 29-74 Franklin Blvd.**

##### **Gaston County**

Conveyance of an approximate 1.180-acres comprised of four (4) landlocked B-class and one (1) landlocked C-class residue areas to Adam Buster for the highest offer amount of **\$3,100.00**; commission \$1,000.00

**Corrected to:**

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

**Project 8.1811201 (34799.2.1), U-2408 Parcels 049, 055A, 055B, 903A, 903B & 903C, NC 274 Bessemer City Rd. from NC 274 Dallas Bessemer City Rd. to US 29-74 Franklin Blvd.**

##### **Gaston County**

Conveyance of an approximate 0.731-acre comprised of four (4) landlocked B-class and two (2) landlocked C-class residue areas to Ricky M. Treece for the highest offer amount of **\$2,400.00**; commission **\$6,000**

**Project 8.1811201 (34799.2.1), U-2408 Parcels 107, 109, 111A, 111B & 112, NC 274 Bessemer City Rd. from NC 274 Dallas Bessemer City Rd. to US 29-74 Franklin Blvd.**

##### **Gaston County**

Conveyance of an approximate 1.180-acres comprised of four (4) landlocked B-class and one (1) landlocked C-class residue areas to Adam Buster for the highest offer amount of **\$3,100.00**; commission **\$5,000**

**CORRECTION ON R-ITEMS**

**2 PROJECT(S)**

**\$0.00**

**R-ITEM SUMMARY**

**84 PROJECT(S)**

**TOTAL: \$ 471,690.00**

**NORTH CAROLINA BOARD OF TRANSPORTATION  
RECOMMENDED ALLOCATION OF HIGHWAY MAINTENANCE APPROPRIATIONS  
FISCAL YEAR 2019 - 2020**

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



There are no Comprehensive Transportation Plans to be presented for approval at the November 7, 2019 Board of Transportation Meeting.

## NORTH CAROLINA BOARD OF TRANSPORTATION

There will be no Item V submitted to the Board for approval at the November 7, 2019, Board meeting.

## Committee Reports

**Road Naming Committee** – Committee Chair Fox provided a summary of the committee's meeting topics that included a review of the following submitted applications.

- Sheriff Donald Banks Highway
- Katie and Karo Edmonson Bridge
- Deputy H Webb - Deputy T Cone Bridge

**Audit Committee** – Ms. Morton, Inspector General, provided the following updates on OIG activities during the Committee meeting:

- Presented for review and approval the 2019-2020 Audit Plan, which the Committee approved.
- The Plan was formulated based on current staffing resources and will be adjusted throughout the year as positions are filled. The Plan includes engagements for the Internal Audit Unit and Single Audit Compliance Unit and an allocation of tasks hours for the Consultant, Utility, Rail and Turnpike Unit.
- Status on position vacancies – OIG has filled three positions since the last Committee meeting. A discussion was held on recruitment challenges. Members of the Committee discussed strategies to support the OIG with recruitment through local colleges and universities.
- Members of the Committee requested the Inspector General provide a right-sized plan aligning personnel needs with departmental audit needs for presentation during the December Committee meeting.

**Advanced Technologies Committee** – Committee Chairwoman Szlosberg-Landis provided a summary of the committee's meeting topics that included a presentation from Rachel Carlstrom from the Federal Aviation Administration – Unmanned Aircraft Systems Integration. Rachel provided an overview of

- Federal Aviation Administration Integration and pilot programs
- Operating rules and Unmanned Aircraft Systems of Excellence
- Unmanned Aircraft System Traffic Management pilot program

Bobby Walston, Director of NCDOT Division of Aviation presented a NCDOT UAS program update. Some of the highlights included

- Overview of air administration and present/future opportunities
- Overview of partnerships like the one with UPS
- Overview of companies investing in drone usage such as Uber, Boeing, Airbus and Bell
- Overview of UAS innovation history from 2012-2021

Stuart Ginn M.D., WakeMed Medical Director of WakeMed Innovations provided a presentation showcasing the partnership between UPS and WakeMed. Dr. Ginn's presentation highlighted WakeMed's approach to innovation of the challenges and successes to date including the creation of the pilot established to alleviate courier and cost issues. Additionally, Dr. Ginn shared a brief synopsis of metrics and the projected return on investment.

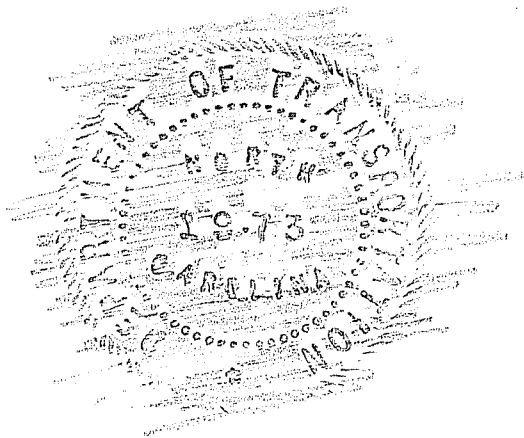
Sherri Roberts, UPS Flight Lead Pilot demonstrated a UPS Flight Forward Medical Package Delivery. The demonstration provided a snapshot experience into how a UAS carries and delivers a UPS package from one location to the next.

Following the demonstration, Chief Deputy David Howard and Chairwoman Nina Szlosberg-Landis reviewed the Transportation Innovation Council at NCDOT. Chairwoman Szlosberg-Landis urged the committee to consider what a policy statement may look like in the coming months. The Committee plans to continue work focused on the Transportation Innovation Council in the coming months.

Chairman Fox reminded members of the Board that the next meeting of the Board will be December 4, and 5, 2019 in Raleigh, NC.

#### Adjournment

There being no further business of the Board, Chairman Fox adjourned the meeting at 10:15 am.



A handwritten signature in black ink, appearing to read "Michael S. Fox", written over a horizontal line.

Chairman Fox

North Carolina Board of Transportation

Attest:

A handwritten signature in black ink, appearing to read "Michelle J. Moore", written over a horizontal line.

Secretary to the Board of Transportation

Dated this day 7<sup>th</sup> November 2019.

## RESOLUTION FOR WILLIAM M SUE BRIDGE

**WHEREAS**, William M. Sue was born and raised in Leland, N.C. in northern Brunswick County and is a current resident of Leland; and

**WHEREAS**, Sue served 18 years on the Brunswick County Board of Commissioners, serving as its Chairman for five of those years, and served on the Brunswick County Board of Education for eight years prior to his terms on the Board of Commissioners; and

**WHEREAS**, during his first term as a County Commissioner, Sue made a presentation to the North Carolina Board of Transportation requesting that Interstate 140 (then known as the Wilmington Bypass) be completed as soon as possible; and

**WHEREAS**, Sue was an active member of the advisory committee of the Wilmington Metropolitan Planning Organization and continually advocated for construction of I-140 in northern Brunswick County; and

**WHEREAS**, Sue was honored by becoming a member of the Order of the Long Leaf Pine in 2011; and

**WHEREAS**, Sue has been a tireless advocate for the needs of the people of Brunswick County, serving in numerous other public and civic organizations for several decades; and

**WHEREAS**, the Brunswick County Board of Commissioners requests that the North Carolina Department of Transportation name the I-140 bridge over U.S. 74/76 in Brunswick County in honor of William M. Sue.

### NOW, THEREFORE, BE IT RESOLVED:

That the North Carolina Board of Transportation names the I-140 bridge over U.S. 74/76 in Brunswick County as the *William M Sue Bridge*.

That appropriate signs will be erected at a suitable time.

Adopted this the 7<sup>th</sup> day of November 2019 by the North Carolina Board of Transportation.

  
Chairman

  
Secretary of Transportation

## RESOLUTION FOR OFFICER ROBERT Y CLEMENT BRIDGE

**WHEREAS**, the Rowan County Board of Commissioners finds it would be fitting and proper to honor the memory of slain police officer, Robert Young Clement. Officer Clement was a Rowan County resident and a member of the Spencer Police Department; and

**WHEREAS**, Officer Clement is remembered as a kind and generous man who loved his family, friends and co-workers; and

**WHEREAS**, Officer Clement died on June 3, 1999, after he was shot while performing his duties protecting the citizens of Rowan County; and

**WHEREAS**, the Rowan County Board of Commissioners wishes to memorialize Officer Clement for his career in law enforcement, for his dedicated service and sacrifice to his country, to the state of North Carolina and to the citizens of Rowan County; and

**WHEREAS**, the Rowan County Board of Commissioners hereby requests that the North Carolina Board of Transportation names Bridge #141 on Stokes Ferry Road (SR 1004) over South Second Creek in Salisbury in honor of Officer Robert Young Clement.

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

That the North Carolina Board of Transportation names Bridge #141 on Stokes Ferry Road (SR 1004) over South Second Creek in Salisbury as the *Officer Robert Y Clement Bridge*.

That appropriate signs will be erected at a suitable time.

Adopted this the 7<sup>th</sup> day of November 2019 by the North Carolina Board of Transportation.

  
Chairman

  
Secretary of Transportation

## RESOLUTION FOR NAMING OF NORTH CAROLINA TUGBOATS

**WHEREAS**, the N.C. Department of Transportation Ferry Division, Albemarle Rural Planning Organization, Cape Fear Rural Planning Organization, Down East Rural Planning Organization, Mid-East Rural Planning Organization, Wilmington Metropolitan Planning Organization and NCDOT's Division 1, 2 and 3 division engineers coordinated and supported the Ferry Support Fleet Replacement project to replace all tugboats and barges in the Ferry Division fleet in Prioritization 4.0; and

**WHEREAS**, the Ferry Support Fleet Replacement project was fully funded for federal fiscal year 2019 in the 2017-2027 State Transportation Improvement Program (STIP); and

**WHEREAS**, the NCDOT Ferry Division has a tradition of naming North Carolina's ferry vessels after towns and regions of coastal North Carolina; and

**WHEREAS**, the respective rural planning organizations and metropolitan planning organizations support naming of the new tugboats as follows:

NC-3 tug: WANCHESE  
NC-4 tug: MOREHEAD CITY  
NC-5 tug: CAPE FEAR  
NC-6 tug: HOBUCKEN  
NC-7 tug: MANNS HARBOR

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

That the North Carolina Board of Transportation declares the following tugboats be named:

NC-3 tug: *WANCHESE*  
NC-4 tug: *MOREHEAD CITY*  
NC-5 tug: *CAPE FEAR*  
NC-6 tug: *HOBUCKEN*  
NC-7 tug: *MANNS HARBOR*

Adopted this the 7<sup>th</sup> day of November 2019 by the North Carolina Board of Transportation.

  
Chairman

  
Secretary of Transportation



North Carolina Department of Transportation  
Transportation Program Management Unit - Value Management  
Innovative Technologies and Products Awareness Report  
November 6<sup>th</sup>, 2019



## PRODUCT HIGHLIGHT – TerraThane 24-003

TerraThane 24-003 is a hydrophobic polymeric two-component closed-cell MDI based polyurethane. It is primarily used to lift and level concrete slabs, stabilize soil, slab/panel undersealing, and to fill voids under slabs and behind culvert walls. TerraThane 24-003 has an in-place density of 5-6 pounds per cubic foot and reaches 90% of its 100-psi compressive strength within 15 minutes. It can be applied in either dry or wet conditions and is injected through 5/8" holes that are drilled and laid-out in a predetermined grid pattern. TerraThane 24-003 is manufactured by NCFI polyurethanes and is listed on the Approved Products List (APL) as NP19-8496.



TerraThane used as soil stabilization and fill – image from NCFI website

TerraThane 24-003 has been used in highway projects in other states, and was recently used at the New Bern, NC Riverfront Convention Center to level slab settling caused by poor subsurface conditions. For more information, please visit: [www.ncfi.com/solutions/geotechnical/](http://www.ncfi.com/solutions/geotechnical/)



Example of leveling an uneven slab by injecting TerraThane – image from NCFI website

## PRODUCT INNOVATION – CLEAR Database



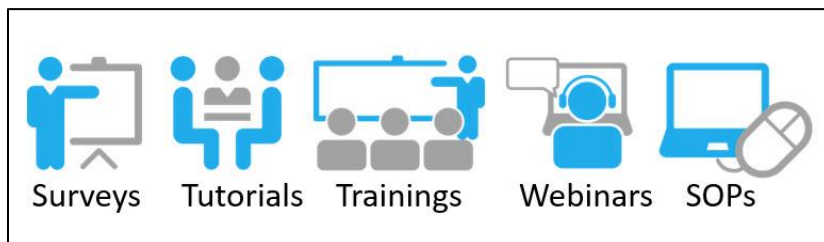
CLEAR Lessons Learned Counter – image from CLEAR website on NCDOT Connect

The CLEAR database was launched in June of this year; CLEAR stands for Communicate Lessons, Exchange Advice, Record. Its purpose is to breakdown existing barriers to communication, and retain lessons learned in a centralized easily searchable database that everyone within NCDOT can contribute to and learn from. Lessons include any idea, solution, problem encountered, best management practice, innovation, suggestion, experience or knowledge encountered by NCDOT personnel. CLEAR will allow NCDOT to better communicate and share knowledge between employees across divisions and units. CLEAR will also facilitate the retention of institutional knowledge by legacy employees before they retire from NCDOT and convey that information to junior employees. Once a lesson is submitted, an expert review panel reviews and refines the lesson submission before they are approved. CLEAR visibility workshops and training are currently being conducted on an as needed basis. The CLEAR database is open for submissions and is being updated and refined as new information is acquired and additional functionality is built into the system.

Anyone with an NCDOT email account may submit an idea to the CLEAR database, for questions or more information about CLEAR please contact Clare Fullerton, PE: [cefullerton@ncdot.gov](mailto:cefullerton@ncdot.gov).

If you or someone else would like to submit a new lesson learned in the CLEAR database, please visit:

[connect.ncdot.gov/site/lessons-learned/](http://connect.ncdot.gov/site/lessons-learned/)



CLEAR database training sequence – image from CLEAR website on NCDOT Connect