



**AGENDA**  
**North Carolina Board of Transportation**  
**1 South Wilmington Street, Raleigh, North Carolina 27601**  
**October 2-3, 2019**

**Wednesday, October 2, 2019**

**10:30AM - 11:30AM**

Road Naming Committee	Room 160
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**1:00PM – 2:00PM WORK SESSION – FULL BOARD ATTENDANCE**

**ROOM 150**

Wildlife Commission Update	David Hoyle, Jr., Chairman Gordon Myers, Executive Director
Department Update	Bobby Lewis, Chief Operating Officer
Product Evaluation Program Awareness Handout	Chairman Fox

**BREAK                    2:00PM – 2:10PM**

**2:10PM – 3:40PM**

Economic Development and Intergovernmental Relations (EDIR) Committee	Room 150
Funding Appropriations and Strategy (FAST) Committee	EIC

**BREAK                    3:40PM – 3:50PM**

**3:50PM – 5:00PM**

Highway Committee	Room 150
Multi-Modal Committee	EIC

# NORTH CAROLINA BOARD OF TRANSPORTATION MEETING

Thursday, October 3, 2019

9:00AM

Location: Room 150

- **Call to Order**
- **Ethics Statement**
- **Approval of September 5, 2019 Meeting Minutes**
- **Road and Bridge Naming Honorary Designations**
- **Secretary's Remarks**

Chairman Fox  
Chairman Fox  
Chairman Fox  
Chairman Fox  
Secretary Trogdon

## Information and Delegated Authority

**Chairman Fox**

- (Item C) Award of Highway Construction Contracts from September 2019 Letting  
(Item D) Award of Contracts to Private Firms for Engineering Services  
(Item E) Funds for Secondary Road Improvement Projects –  
Highway Fund and Highway Trust Fund  
(Item H) Approval of Funds for Division-wide Small Construction, Statewide Contingency, Public Access,  
and Economic Development  
(Item L) Approval of Funds for Specific Spot Safety Improvement Projects

Complete 540 Update

Daniel Johnson, General Counsel

Closed Session pursuant to General Statute §143-318.11(a)(3)

Daniel Johnson, General Counsel

## Action

**Chairman Fox**

### **Project Items**

- (Item G) Additions, Abandonments, and Road Name Changes to State Secondary Road System  
(Item I) Public Transportation Program
  - (Item I-1) Public Transportation
  - (Item I-1A) Public Transportation
  - (Item I-4) Aviation(Item K) North Carolina Highway Trust Funds  
(Item M) Funds for Specific Federal-Aid Projects  
(Item N) Revisions to the 2018-2027 and 2020-2029 STIP  
(Item O) Municipal and Special Agreements  
(Item P) Municipal Street System Changes for Powell Bill  
(Item R) Right of Way Resolutions and Ordinances  
(Item S) Maintenance Allocations  
(Item T) Submission of Comprehensive Transportation Plans for Mutual Adoption by the Board of Transportation

### **Committee Reports**

Committee Chairs

### **Other Business**

Chairman Fox

### **Adjourn**

Chairman Fox

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

**October 2-3, 2019**

Delegated Authority ..... Secretary Trogon

- (Item C) Award of Highway Construction Contracts from September 2019 Letting
- (Item D) Award of Contracts to Private Firms for Engineering Services
- (Item E) Funds for Secondary Road Improvement Projects –  
Highway Fund and Highway Trust Fund **(No Item this Month)**
- (Item H) Funds for Division-wide Small Construction,  
Statewide Contingency, Public Access, and Economic Development
- (Item L) Funds for Specific Spot Safety Improvement Projects

Action ..... Chairman Fox

- (Item G) Additions, Abandonments, and Road Name Changes to State  
Secondary Road System
- (Item I) Public Transportation Program
  - (Item I-1) Public Transportation
  - (Item I-1A) Public Transportation
  - (Item I-2) Rail Program **(No Item this Month)**
  - (Item I-3) Bicycle and Pedestrian **(No Item this Month)**
  - (Item I-4) Aviation
- (Item K) North Carolina Highway Trust Funds
- (Item M) Funds for Specific Federal-Aid Projects
- (Item N) Revisions to the 2018-2027 and 2020-2029 STIP
- (Item O) Municipal and Special Agreements
- (Item P) Municipal Street System Changes
- (Item R) Right of Way Resolutions and Ordinances
- (Item S) Maintenance Allocations
- (Item T) Submission of Comprehensive Transportation Plans for Mutual  
Adoption by the Board of Transportation
- (Item V) **(No Item this Month)**

# **NCDOT Board of Transportation Agenda**

## **ITEM C**

**September 17, 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.  
 SEPTEMBER, 2019  
 DIVISION 00002

C204225  
 50111.3.1



STATE FUNDED  
 CRAVEN  
 U-5713, R-5777A, R-5777B  
 09/10/2019

PROPOSAL LENGTH 5.1 MILES  
 TYPE OF WORK DESIGN BUILD.  
 LOCATION US-70 FROM THE NEUSE RIVER BRIDGE TO EAST OF THURMAN RD IN JAMES CITY.

EST CONST PROGRESS .... FY-2020..08% OF BID  
 FY-2021..25% OF BID  
 FY-2022..32% OF BID  
 FY-2023..24% OF BID  
 FY-2024..11% OF BID

RPN 001                      3 BIDDER(S)              DBE GOAL    9.00 %  
ESTIMATE 289,229,000.00

DATE AVAILABLE        OCT28 2019  
 FINAL COMPLETION    MAY 15 2024

QUALITY ADJUSTED PRICE RANKING

PROPOSAL	TECH SCORE	QUALITY CREDIT %	ACTUAL CONTAMT (PRICE PROP)	ACT% DIFF	QUALITY VALUE	CONT AWARD BASIS (ADJ PRICE)	ADJ% DIFF
BALFOUR BEATTY INFRASTRUCTURE INC	99.00	24.17	203,300,000.00	-29.71	49,137,610.00	154,162,390.00	-46.70
* BRANCH CIVIL INC	81.50	9.59	220,985,000.00	-23.60	21,192,461.50	199,792,538.50	-30.92
* CHANGE IMPROPERLY MADE							
S TWOOTEN CORPORATION	90.00	16.67	300,780,000.00	+3.99	50,140,026.00	250,639,974.00	-13.34

\* DENOTES IRREGULAR BID

PROPOSAL	PROPOSED COMPLETION DATE
BALFOUR BEATTY INFRASTRUCTURE INC	SEP 07 2023
BRANCH CIVIL INC	DEC 22 2023
ST WOOTEN CORPORATION	MAY 15 2024

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
SEPTEMBER, 2019  
DIVISION 00002

PAGE: 2 of 5  
ITEM C

C204358  
46981.3.1



STATE FUNDED  
GREENE  
R-5812  
09/17/2019

PROPOSAL LENGTH 1.138 MILES  
TYPE OF WORK GRADING, DRAINAGE, PAVING, SIGNALS & RETAINING WALL.  
LOCATION US-13 BYPASS FROM NC-58 (KINGOLD BLVD) TO NC-91.

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

RPN 002 4 BIDDER(S) DBE GOAL 10.00 %  
ESTIMATE 7,816,264.11

DATE AVAILABLE OCT28 2019

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

FINAL COMPLETION MAR 14 2021

	\$ TOTALS	% DIFF
PLT RBP JV CONSTRUCTION WILSON, NC	6,308,481.00	-19.3
BARNHILL CONTRACTING CO ROCKY MOUNT, NC	6,387,538.80	-18.3
FSC II LLC OBA FRED SMITH COMPANY RALEIGH, NC	6,733,376.00	-13.9
ST WOOTEN CORPORATION WILSON, NC	8,320,032.09	+6.4

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
SEPTEMBER, 2019  
DIVISION 00005

PAGE: 3 of 5  
ITEM C

C204429  
44400.3.1



STATE FUNDED  
WAKE  
U-5827  
09/17/2019

PROPOSAL LENGTH 0.71 MILES  
TYPE OF WORK GRADING, DRAINAGE, PAVING, SIGNALS, AND RETAINING WALL.  
LOCATION SR-1632 (LOUIS STEPHENS DR) FROM POPLAR PIKE LANE IN MORRISVILLE TO SR-2153 (LITTLE DR) IN RTP.

EST CONST PROGRESS .... FY-2020..48% OF BID  
FY-2021..51% OF BID  
FY-2022..01% OF BID

RPN 003                      5 BIDDER(S)                      DBE GOAL    14.00 %  
ESTIMATE 4,629,852.66

DATE AVAILABLE            OCT28 2019  
INTER COMPLETION        JUL 15 2021 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION OR  
PERMANENT VEGETATION ESTABLISHMENT  
FINAL COMPLETION        JAN 11 2022

	\$ TOTALS	% DIFF
CAROLINA SUNROCK LLC RALEIGH, NC	5,472,657.96	+18.2
DLB ENTERPRISES LLC CHARLOTTESVILLE, VA	5,689,751.78	+22.9
FSC II LLC OBA FRED SMITH COMPANY RALEIGH, NC	5,745,475.00	+24.1
ST WOOTEN CORPORATION WILSON, NC	5,910,133.00	+27.7
CONTI ENTERPRISES, INC EDISON, NJ	6,870,757.00	+48.4

HIGHWAY LETTING  
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH N.C.  
SEPTEMBER, 2019  
DIVISION 00011

PAGE: 4 of 5  
ITEM C

C204220  
46104.3.1

**AWARDED**

STATE FUNDED  
YADKIN  
B-5389  
09/17/2019

PROPOSAL LENGTH 0.386 MILES  
TYPE OF WORK GRADING, DRAINAGE, PAVING, AND STRUCTURE.  
LOCATION BRIDGE #105 OVER YADKIN RIVER ON US-421 NORTH BOUND LANES.

EST CONST PROGRESS .... FY-2020..47% OF BID  
FY-2021..48% OF BID  
FY-2022..05% OF BID

RPN 004                      9 BIDDER(S)                      DBE GOAL    5.00 %  
ESTIMATE 7,091,419.50

DATE AVAILABLE            OCT28 2019  
INTER COMPLETION        SEP 15 2021 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION OR  
PERMANENT VEGETATION ESTABLISHMENT  
FINAL COMPLETION        MAR 14 2022

	\$ TOTALS	% DIFF
SMITH-ROWE, LLC MOUNT AIRY, NC	6,792,337.26	-4.2
R.E. BURNS & SONS CO INC STATESVILLE, NC	7,238,282.59	+2.1
DANE CONSTRUCTION INC MOORESVILLE, NC	7,279,010.61	+2.6
NATIONAL BRIDGE BUILDERS LLC KERNERSVILLE, NC	7,445,860.63	+5.0
EASTERN STRUCTURES LLC MOCKSVILLE, NC	7,838,878.30	+10.5
WC ENGLISH INCORPORATED LYNCHBURG, VA	7,984,950.98	+12.6
JAMES R VANNOY & SONS CONSTRUCTION COMPANY INC JEFFERSON, NC	8,184,939.48	+15.4
SLOAN CONSTRUCTION A DIVISION OF REEVES CONSTRUCTION CO DUNC.	8,533,238.29	+20.3
CONTI ENTERPRISES, INC EDISON, NJ	9,949,757.00	+40.3



HIGHWAY LETTING  
 NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
 RALEIGH N.C.  
 SEPTEMBER, 2019  
 DIVISION 00014

C204265  
 34232.3.5, 34232.3.GV8

NHPP-026-1(200)13, NHP-0026(15)  
 BUNCOMBE,HENDERSON  
 I-4400C, 1-440088  
 09/17/2019



PROPOSAL LENGTH 8.552 MILES  
 TYPE OF WORK GRADING, DRAINAGE, PAVING, SIGNALS, STRUCTURES & REST AREA.  
 LOCATION 1-26 FROM 0.05 MILES NORTH OF US-64 TO NC-280 (EXIT 40).

EST CONST PROGRESS .... FY-2020..27% OF BID  
 FY-2021..32% OF BID  
 FY-2022..23% OF BID  
 FY-2023..15% OF BID  
 FY-2024..03% OF BID

RPN 001                      5 BIDDER(S)                      DBE GOAL    6.00 %  
ESTIMATE 286,540,605.58

DATE AVAILABLE            OCT28 2019  
 INTER COMPLETION        NOV 01 2023 COMPLETE ALL WORK EXCEPT PLANTING, REFORESTATION OR  
 PERMANENT VEGETATION ESTABLISHMENT  
 FINAL COMPLETION        MAY 31 2024

	\$ TOTALS	% DIFF
ARCHER-WRIGHT JV RALEIGH, NC	271,226,964.96	-5.3
FLATIRON BRANCH CIVILAJOINTVENTURE BROOMFIELD, CO	272,663,397.95	-4.8
VECELLIO & GROGAN INC OBA SHARPE BROTHERS BECKLEY, WV	273,740,181.56	-4.5
FLUOR UNITED ASHEVILLE LLC GREENVILLE, SC	281,505,000.00	-1.8
THE LANE-BLYTHE DEVELOPMENT JV CHARLOTTE, NC	286,144,121.69	-0.1

ESTIMATE TOTAL	595,307,141.85	
LETTING TOTAL	493,100,441.18	-17.2

**NCDOT October 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**

**Highway Operations**

**Operations Program Management**

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

**STATEWIDE**

Description of work:	2016 Highway Asset Inventory and Assessments LSC
Firm:	Sepi Engineering & Construction Inc, Raleigh, NC
Original Engineering Fee:	\$2,000,000.00
Previous Supplemental Fee:	\$4,500,000.00
Supplemental Fee:	\$3,960,000.00
SPSF Utilization:	0%

Description of work:	2016 Highway Asset Inventory and Assessments LSC
Firm:	Volkert Inc, Birmingham, Alabama
Original Engineering Fee:	\$2,000,000.00
Previous Supplemental Fee:	\$5,000,000.00
Supplemental Fee:	\$4,140,000.00
SPSF Utilization:	0%

Description of work:	2016 Highway Asset Inventory and Assessments LSC
Firm:	Wetherill Engineering, Inc., Raleigh, NC
Original Engineering Fee:	\$2,000,000.00
Previous Supplemental Fee:	\$4,000,000.00
Supplemental Fee:	\$2,820,000.00
DBE/WBE/SPSF Utilization:	100%

Description of work:	2016 Highway Asset Inventory and Assessments LSC
Firm:	A. Morton Thomas & Associates Inc, Raleigh, NC
Original Engineering Fee:	\$ 500,000.00
Previous Supplemental Fee:	\$5,300,000.00
Supplemental Fee:	\$2,760,000.00
SPSF Utilization:	0%

Description of work: 2016 Highway Asset Inventory and Assessments LSC  
Firm: Mattern & Craig Inc, Asheville, NC  
Original Engineering Fee: \$ 500,000.00  
Previous Supplemental Fee: \$5,100,000.00  
Supplemental Fee: \$2,280,000.00  
SPSF Utilization: 100%

Description of work: 2016 Highway Asset Inventory and Assessments LSC  
Firm: Summit Design and Engineering Services PLLC,  
Hillsborough, NC  
Original Engineering Fee: \$ 500,000.00  
Previous Supplemental Fee: \$4,900,000.00  
Supplemental Fee: \$2,760,000.00  
SPSF Utilization: 0%

### Divisions

#### Statewide

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

#### STATEWIDE

Description of work: 2017 Statewide On-Call Construction Engineering &  
Inspection Services LSC  
Firm: KCI Associates of North Carolina PA, Baltimore, MD  
Original Engineering Fee: \$15,000,000.00  
Previous Supplemental Fee: \$5,000,000.00  
Supplemental Fee: \$5,000,000.00  
SPSF Utilization: Parrish and Partners of NC PLLC  
5% / \$250,000.00

## Technical Services

### Project Management Unit

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

#### DIVISION 5

Project:	47027.1.1 (U-5307) Wake County US 1 from I-540 to SR 1909 (Purnell Road) / SR 1931 (Harris Road)
Scope of Work:	Preparation of Environmental Documents, Natural Systems Surveys, Public Involvement, Community Impact Assessments and Preliminary Roadway Design
Estimated Construction Cost:	\$326,500,000.00
Firm:	RS&H Architects-Engineers-Planners, Inc., Charlotte, NC
Original Engineering Fee:	\$1,000,000.00
Previous Supplemental Fee:	\$2,500,000.00
Supplemental Fee:	\$500,000.00 and a Two (2) Year Time Extension.
Supplemental Work:	Additional preparation of Environmental Documents, Natural Systems Surveys, Public Involvement, Community Impact Assessments and Preliminary Roadway Design
DBE/WBE Utilization:	Three Oaks Engineering 5% / \$25,000.00
DBE/WBE/SPSF Utilization:	Anne Morris and Associates, LLC 2% / \$10,000.00

### Environmental Analysis Unit – Public Involvement, Community Studies & Visualization (PICSViz)

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

#### STATEWIDE

Description of work:	2016 Limited English Proficiency LSC
Firm:	MM/I and Associates LLC, Raleigh, NC
Original Engineering Fee:	\$250,000.00
Supplemental Fee:	\$300,000.00
DBE/MBE Utilization:	100%

Description of work: 2016 Limited English Proficiency LSC  
Firm: Spanish Speaking LLC, Winston-Salem, NC  
Original Engineering Fee: \$500,000.00  
Previous Supplemental Fee: \$500,000.00  
Supplemental Fee: \$300,000.00  
SPSF Utilization: 100%

Description of work: 2018 Limited English Proficiency LSC  
Firm: Public Participation Partners LLC, Raleigh, NC  
Original Engineering Fee: \$500,000.00  
Supplemental Fee: \$300,000.00  
DBE/MBE/SPSF Utilization: 100%

### Utilities 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 Utilities Design Engineering on an as needed basis for various federal-aid and state funded projects to support the Utilities Unit. These contracts will expire two (2) years with an optional one (1) year extension after the date of execution or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

### STATEWIDE

Description of Work: 2019 Utilities Design Engineering LSC  
Firm: AECOM Technical Services of North Carolina Inc, Chicago, IL  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 0%

Description of Work: 2019 Utilities Design Engineering LSC  
Firm: CJS Conveyance PLLC, Cary, NC  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 0%

Description of Work: 2019 Utilities Design Engineering LSC  
Firm: Davis Martin Powell Engineers & Surveyors, High Point, NC  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 100%

Description of Work: 2019 Utilities Design Engineering LSC  
Firm: Dewberry Engineers Inc, Raleigh, NC  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 0%

Description of Work: 2019 Utilities Design Engineering LSC  
Firm: HDR Engineering Inc of the Carolinas, Chicago, IL  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 0%

Description of Work: 2019 Utilities Design Engineering LSC  
Firm: Highfill Infrastructure Engineering PC, Cary, NC  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 100%

Description of Work: 2019 Utilities Design Engineering LSC  
Firm: Hinde Engineering Inc, Charlotte, NC  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 100%

Description of Work: 2019 Utilities Design Engineering LSC  
Firm: Rivers & Associates Inc, Greenville, NC  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 100%

Description of Work: 2019 Utilities Design Engineering LSC  
Firm: RK&K, Raleigh, NC  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 0%

Description of Work: 2019 Utilities Design Engineering LSC  
Firm: TGS Engineers, Shelby, NC  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 100%

Description of Work: 2019 Utilities Design Engineering LSC  
Firm: The Wooten Company, Raleigh, NC  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 100%

Description of Work: 2019 Utilities Design Engineering LSC  
Firm: Vaughn & Melton Consulting Engineers Inc, Asheville,  
NC  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 0%

**Utilities 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 Utilities Coordination services on an as needed basis for various federal-aid and state funded projects to support the Utilities Unit. These contracts will expire two (2) years with an optional one (1) year extension after the date of execution or after the contract amount has been depleted, whichever occurs first. Our staff has completed the actions for employing private firms in accordance with the policies and procedures adopted by the Board on May 7, 2009. This is for information only.

**STATEWIDE**

Description of Work: 2019 Utilities Coordination LSC  
Firm: AECOM Technical Services of North Carolina Inc, Chicago, IL  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 0%

Description of Work: 2019 Utilities Coordination LSC  
Firm: Cardno Inc, Dallas, TX  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 0%

Description of Work: 2019 Utilities Coordination LSC  
Firm: CH Engineering PLLC, Raleigh, NC  
Maximum Engineering Fee: \$500,000.00  
DBE/WBE/SPSF Utilization: 100%

Description of Work: 2019 Utilities Coordination LSC  
Firm: Davis Martin Powell Engineers & Surveyors, High Point, NC  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 100%

Description of Work: 2019 Utilities Coordination LSC  
Firm: Hinde Engineering Inc, Charlotte, NC  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 100%

Description of Work: 2019 Utilities Coordination LSC  
Firm: ICE of Carolinas PLLC, Ladson, SC  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 0%

Description of Work: 2019 Utilities Coordination LSC  
Firm: KCI Associates of North Carolina PA, Baltimore, MD  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 0%

Description of Work: 2019 Utilities Coordination LSC  
Firm: Michael Baker Engineering, Inc., Cary, NC  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 0%

Description of Work: 2019 Utilities Coordination LSC  
Firm: RK&K, Raleigh, NC  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 0%

Description of Work: 2019 Utilities Coordination LSC  
Firm: TELICS, Pineville, NC  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 0%

Description of Work: 2019 Utilities Coordination LSC  
Firm: The Wooten Company, Raleigh, NC  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 100%

Description of Work: 2019 Utilities Coordination LSC  
Firm: Vaughn & Melton Consulting Engineers Inc, Asheville,  
NC  
Maximum Engineering Fee: \$500,000.00  
SPSF Utilization: 0%

**END of ITEM D.**



**NCDOT OCTOBER 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**

There will be no Secondary Road Improvement projects submitted to the Board for approval at the October 2019 Board meeting.

## NCDOT October 3, 2019 Board of Transportation Agenda

### Additions to the State Highway System:

County	Pet. No.	Length Added (Miles)	Description	Date of Report
<b>Division 2</b>				
Craven	51940	0.30 0.14	<b>Grantham Place</b> Grantham Place Neeley Lane	06/26/19
<b>Division 4</b>				
Johnston	51941	0.31 0.06	<b>Maplewood Run</b> Extend SR 3338, Brazil Nut Lane Kola Nut Lane	07/01/19
<b>Division 7</b>				
Guilford	51942	0.33 0.08	<b>Beacon Hill</b> Cobblestone Walk Drive Brooke Ellen Court	05/16/19
Guilford	51943	0.10	<b>Spencer Ridge</b> Storms End Terrace	06/24/19
Guilford	51944	0.23	<b>Summer Glen</b> Extend SR 5301, Claren Oaks Court	05/06/19
Guilford	51945	0.50	<b>Triad Business Park</b> Extend SR 1846, Old Greensboro Road	06/06/19
<b>Division 10</b>				
Mecklenburg	51946	0.19 0.02 0.02	<b>Hearthstone</b> Extend SR 4382, Tatting Road Carding Place Bards Court	08/01/19
Union	51947	0.15 0.09 0.18 0.45 0.06	<b>Briarcrest</b> Extend SR 3867, Laurel Hill Drive Avalon Drive Brynmar Drive Extend SR 3870, Wynhurst Drive Avington Court	07/01/19
<b>Division 12</b>				
Alexander	51948	0.04	<b>Olivers Landing</b> Players Ridge Loop	08/25/19
Catawba	51949	0.13	<b>Brandon Lands</b> Walnut Grove Lane	06/03/19
Catawba	51950	0.24	<b>Kingsway</b> Kingsway Boulevard	06/03/19

**NCDOT October 3, 2019 Board of Transportation Agenda**

**Additions to the State Highway System:**

<b>County</b>	<b>Pet. No.</b>	<b>Length Added (Miles)</b>	<b>Description</b>	<b>Date of Report</b>
<b>Division 12 (Cont.)</b>				
Catawba	51951	0.18	<b>Meadows Springs</b> Haynes Drive	06/03/19
Catawba	51952	0.11 0.10	<b>St. James Vineyard</b> Damascus Circle Extend SR 2126, Judea Drive	11/07/18
Iredell	51953	0.04 0.20	<b>Davidson Downs</b> Yorkshire Lane Extend SR 2981, Sink Farm Road	08/07/19

## NCDOT October 3, 2019 Board of Transportation Agenda

### Abandonments from the State Highway System:

County	Pet. No.	Length Abandoned (Miles)	Description	Date of Report
<b>Division 8</b>				
Chatham	51954	0.20	SR 2203, Brookwood Drive Retain 0.00 miles	09/06/19
<b>Division 9</b>				
Davie	51955	0.22	SR 1161, Steelman Road Retain 0.00 miles	09/05/19
Forsyth	51956	0.03	Portion of SR 2119, Belews Lake Drive Retain 0.23 miles	09/06/19
Stokes	51957	0.04	Portion of SR 1983, Pink Smith Road Retain 0.46 miles	09/11/19
<b>Division 10</b>				
Union	51958	0.17	SR 1350, Keel Road Retain 0.00 miles	06/19/19

**Summary:**                    **Number of roads petitioned for addition – 25**  
**Number of roads petitioned for abandonment - 5**

### Corrections: County

#### Requested Action

Chatham                    Petition 51897 - The length of addition for Stony Branch Trail should be corrected to 0.09 miles retroactive to August 8, 2019.

Davidson                    Rescind the September 05, 2019 correction for Davidson County Petition 51910.

                                  Petition 51910 – The length of abandonment for SR 3158, Anna Lewis Drive should be corrected to 0.16 miles. The retainment length should be corrected to 0.36 miles. These corrections are retroactive to August 08, 2019.

Mecklenburg                Petition 51906 - The length of addition for the Bedford Road extension should be corrected to 0.17 miles retroactive to August 8, 2019.

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

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

<b>County</b>	<b>Description</b>	<b>Type</b>	<b>Amount</b>
Div 1 Chowan	Albemarle Sound Passenger Ferry Feasibility Study  WBS 48940	Contingency  <u>TOTAL</u>	  \$70,000.00  <u>\$70,000.00</u>
Div 1 Currituck	Village of Corolla – WBS 80097 was established (04/19) for drainage improvements on SR 1457 (Bonita St) to minimize prolonged flooding  Increase funds	High Impact / Low Cost  <u>TOTAL</u>	  \$200,000.00  <u>\$200,000.00</u>
Div 1 Gates	Town of Gatesville – WBS 80067 was established (02/18) to reconfigure intersection of NC 37 at US 158 in Gatesville to improve Safety for traveling Public  Increase funds	High Impact / Low Cost  <u>TOTAL</u>	  \$20,000.00  <u>\$20,000.00</u>
Div 2 Craven	City of New Bern – WBS 49027 was established (06/18) for roadway improvements including widening, repair, and resurface on SR 1111 (Old Airport Rd) from Taberna Circle to County Line Rd Increase & close	Small Construction  <u>TOTAL</u>	  \$15,526.20  <u>\$15,526.20</u>
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  Increase funds	High Impact / Low Cost  <u>TOTAL</u>	  \$54,000.00  <u>\$54,000.00</u>
Div 3 New Hanover	City of Wilmington – Environmental study associated with the Wilmington Rail Realignment Project  WBS 48935	Contingency  <u>TOTAL</u>	  \$250,000.00  <u>\$250,000.00</u>

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

<b>County</b>	<b>Description</b>	<b>Type</b>	<b>Amount</b>
Div 5 Durham	WBS 2020CPT.05.09.20321.1 was established (05/18) to install a monolithic concrete island on Sherron Rd between US-70 and Mineral Springs Rd Increase funds	High Impact / Low Cost  TOTAL	\$30,000.00  \$30,000.00
Div 5 Durham	WBS 48726.3.1 was established (04/19) to widen the US 15-501 southbound off-ramp at Morreene Rd for a dedicated right turn lane Increase funds	High Impact / Low Cost  TOTAL	\$250,000.00  \$250,000.00
Div 5 Durham	Widen NC-54 eastbound from Falconbridge Rd to Farrington Rd to provide a continuous right turn lane from west of Falconbridge Rd to I-40 WBS 48937	High Impact / Low Cost  TOTAL	\$200,000.00  \$200,000.00
Div 5 Franklin	Reconstruct/retrofit sidewalk along the north side of Nash St from Main St through Spring St WBS 48938	High Impact / Low Cost  TOTAL	\$100,000.00  \$100,000.00
Div 5 Granville	Install a traffic signal with pedestrian accommodations at the intersection of SR 1103 (Central Ave) and SR 1100 (B St) WBS 48936	High Impact / Low Cost  TOTAL	\$45,000.00  \$45,000.00
Div 5 Vance	Add turn lane on SR 1001 (Warrenton Rd) just west of US-1 bypass WBS 48939	High Impact / Low Cost  TOTAL	\$100,000.00  \$100,000.00
Div 5 Wake	WBS 2020CPT.05.02.20921.1 was established (03/18) to widen SR 3081 (Chapel Hill Rd) from Bowden St eastward through Sorrell St to provide a uniform three-lane typical section Increase funds	High Impact / Low Cost  TOTAL	\$150,191.00  \$150,191.00

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

<b>County</b>	<b>Description</b>	<b>Type</b>	<b>Amount</b>
Div 5 Wake	Signalize greenway trail crossing at intersection of SR 2006 (Durant Rd) and SR 2005 (Honeycutt Rd)  WBS 47792	High Impact / Low Cost  TOTAL	\$45,000.00  \$45,000.00
Div 7 Guilford	Town of Jamestown – WBS 44600 was established (11/15) to remove existing median island on SR 1546 (Guilford College Rd) to allow full access opening at a new City of Jamestown street; scope change to include installation of traffic signal and pavement markings Increase & close	Contingency  TOTAL	\$36,471.98  \$36,471.98

**Deletions:**

Div 3, New Hanover County – WBS 44207 was established (06/14) for installation of bike lanes along SR 1403 (Middle Sound Loop Rd) from US-17 Bus (Market St) to SR 1916 (Red Cedar Rd); scope change in adopted Greenway plan recommendation

Div 3, New Hanover County – WBS 48857 was established (09/19) to install a signal at US-421 (Lake Park Blvd) and Hamlet Ave; funded by an alternate source

Div 7, Guilford County – WBS 47499 was established (10/17) to install sidewalks on both sides of SR 4121 (East Main St) from SR 1357 (Millis Rd) to Jamestown Parkway; funded by an alternate source

Div 11, Caldwell County – WBS 47929 was established (05/18) to upgrade Tranquil Hills Rd to minimum state standards and repair existing bridge; ROW unavailable

Div 11, Wilkes County – WBS 47634 was established (12/17) for ROW acquisition from three property owners adjacent to the Overlook on US-21; ROW unavailable

Div 12, Catawba County – WBS 45148.3.2 was established (08/12) for the construction of a rail platform and pedestrian bridge to the platform from Conover station and two pedestrian crossings. Pedestrian crossings are contingent upon budgetary constraints and Norfolk Southern approval; project deleted at the request of the City

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

<b>Summary:</b>	<b>Number of Divisions</b>	<b>5</b>
	<b>Number of Projects</b>	<b>15</b>
	<b>Small Construction Commitment</b>	<b>\$15,526.20</b>
	<b>Public Access Commitment</b>	<b>\$0.00</b>
	<b>Contingency Commitment</b>	<b>\$356,471.98</b>
	<b>Economic Development Commitment</b>	<b>\$0.00</b>
	<b>High Impact/Low Cost Commitment</b>	<b><u>\$1,194,191.00</u></b>
	<b>TOTAL:</b>	<b><u>\$1,566,189.18</u></b>



**NCDOT October 2019 Board of Transportation Agenda**  
**Public Transportation Program**

Town/County Division	Project Description	Estimated Cost
7	<p><b>Demonstration Grant - Furniture Market Transportation 20-DG-025 <i>The City of High Point</i></b> in conjunction with the High Point Market Authority is requesting funds to support transportation for the annual Fall and Spring furniture markets in High Point. The funds will be used to provide free shuttle services for market attendees from Piedmont Triad area hotels and designated park and ride lots to the Home Furnishings Market, and for circulator services in the High Point showroom district. These circulator and shuttle services will be provided by numerous private transportation providers procured and organized by the High Point Market Authority. This is a request to disburse up to \$600,000 for each market subject to appropriations by the Legislature.</p>	<p>\$1,200,000 Total \$0 Federal \$1,200,000 State \$0 Local</p>

**ITEM I - 1 SUMMARY – 1 PROJECT – (TOTAL FEDERAL AND STATE) \$ 1,200,000**

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

Estimates in thousands

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

TG-6811B	ALAMANACE COUNTY	FUNDING FOR PREVENTIVE	CAPITAL	FY 2020-	\$9	(L)
ALAMANACE	TRANSPORTATION	MAINTENANCE.		FY 2020-	\$37	(FED)
HF					<u>\$46</u>	
	<u>FUNDING ADDED TO FY 20.</u>					

TA-6731	ORANGE PUBLIC TRANSIT	PURCHASE NEW BUS < 30'.	CAPITAL	FY 2020-	\$11	(L)
ORANGE				FY 2020-	\$45	(FED)
HF					<u>\$56</u>	
	<u>ADD FUNDS FOR FY20.</u>					

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

TO-5214	ALAMANACE COUNTY	OPERATING FOR ALAMANACE	OPERATIONS	FY 2019-	\$321	(L)
ALAMANACE	TRANSPORTATION	COUNTY TRANSPORTATION IN		FY 2019-	\$642	(FUZ)
HF		THE BURLINGTON URBAN		FY 2020-	\$284	(FUZ)
		AREA - THROUGH NCDOT		FY 2020-	\$284	(L)
	<u>ADJUSTED FUNDING FOR FY20</u>					
				FY 2021-	\$660	(FUZ)
				FY 2021-	\$330	(L)
				FY 2022-	\$335	(L)
				FY 2022-	\$670	(FUZ)
				FY 2023-	\$340	(L)
				FY 2023-	\$680	(FUZ)
				FY 2024-	\$690	(FUZ)
				FY 2024-	\$345	(L)
				FY 2025-	\$700	(FUZ)
				FY 2025-	\$350	(L)
				FY 2026-	\$710	(FUZ)
				FY 2026-	\$355	(L)
				FY 2027-	\$360	(L)
				FY 2027-	\$720	(FUZ)
					<u>\$8,776</u>	

TO-5215	DAVIDSON COUNTY	OPERATING FUNDING FOR		FY 2020-	\$180	(L)
DAVIDSON		DAVIDSON COUNTY	OPERATIONS	FY 2020-	\$180	(FUZ)
HF		TRANSPORTATION FOR SERVICE			\$360	
		IN THE HIGH POINT URBAN				
		AREA - THROUGH NCDOT				
	<u>ADD FUNDING IN FY20.</u>					

TP-5160	GO RALEIGH	ALTERNATIVES REFINEMENT	PLANNING/DESIGN	FY 2019-	\$1,360	(L)
WAKE		AND PROJECT DEVELOPMENT		FY 2020-	\$322	(L)
HF			RIGHT OF WAY	FY 2021-	\$510	(L)
	<u>ADD ADDITIONAL FUNDING TO FY 21 AND 22 FOR ROW AND</u>					
	<u>CON PER REQUEST OF CAPITAL AREA MPO.</u>					
			PLANNING/DESIGN	FY 2021-	\$510	(L)
			CONSTRUCTION	FY 2021-	\$9,673	(L)
				FY 2022-	\$9,673	(L)
					<u>\$22,048</u>	

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

Estimates in thousands

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

TO-5216	GUILFORD COUNTY	OPERATING FUNDING FOR	OPERATIONS	FY 2019-	\$35	(L)
GUILFORD	TRANSPORTATION	GUILFORD COUNTY THROUGH		FY 2019-	\$70	(FUZ)
HF		HIGH-POINT MPD		FY 2020-	\$35	(FUZ)
	<u>ADJUSTED FUNDING IN FY20.</u>			FY 2020-	\$35	(L)
				FY 2021-	\$90	(FUZ)
				FY 2021-	\$45	(L)
				FY 2022-	\$50	(L)
				FY 2022-	\$100	(FUZ)
				FY 2023-	\$55	(L)
				FY 2023-	\$110	(FUZ)
				FY 2024-	\$120	(FUZ)
				FY 2024-	\$60	(L)
				FY 2025-	\$130	(FUZ)
				FY 2025-	\$65	(L)
				FY 2026-	\$140	(FUZ)
				FY 2026-	\$70	(L)
				FY 2027-	\$75	(L)
				FY 2027-	\$150	(FUZ)
					<u>\$1,435</u>	

**ITEM I-1A SUMMARY**

	<b>NUMBER OF</b>				
	<b><u>PROJECTS</u></b>	<b><u>FEDERAL</u></b>	<b><u>STATE</u></b>	<b><u>LOCAL</u></b>	<b><u>TOTALS</u></b>
ADDITION S	2	82		20	<b>\$102</b>
MODIFICATION S	4	6881		25738	<b>\$32,619</b>
	6				<b>\$32,721</b>

## NCDOT October 2019 Board of Transportation Agenda

### Rail Program

**Town/County  
Division**

**Project Description**

**Estimated  
Cost**

There will be no items presented for approval at the October 3, 2019 Board of Transportation meeting.

**ITEM I - 2 SUMMARY – NO PROJECTS**

**NCDOT October 2019 Board of Transportation Agenda**

**Division of Bicycle and Pedestrian Transportation**

<b>Town/County Division</b>	<b>Project Description</b>	<b>Estimated Cost</b>
	There will be no items presented for approval at the October 3, 2019 Board of Transportation meeting.	

**ITEM I - 3 SUMMARY – NO PROJECTS**

## NCDOT October 2019 Board of Transportation Agenda

### Aviation Program

**Division  
Airport  
County**

**Project Description**

Division 3 Henderson Field Airport Pender County	<b>Runway Extension &amp; Development Study (TBD)</b> This study will provide all stakeholders the needed estimates on each course of action to make the best decision on how to proceed. Five scenarios have been determined for a runway extension and road relocation project to include future development. State funds are matching a ninety percent federal investment.
Division 12 Hickory Regional Airport Catawba County	<b>North Ramp Reconstruction Amendment (36244.33.14.1)</b> This request reduces the amount of award and adds scope to include hangar replacement. Hickory has completed the insurance settlement from tornado damage and can replace both the lost hangars and damaged north ramp pavement for less than anticipated. (PR#3915)

#### **ITEM I-4 SUMMARY – 2 PROJECTS – (TOTAL STATE and FEDERAL REDUCTION) \$(206,870)**

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

**NCDOT October 2019 Board of Transportation Agenda  
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Currituck Co. Div. 1 R-2576 STATEWIDE/ DIVISION	WBS 34470.2.1 Mid-Currituck Bridge from Coinjock to Corolla. \$7,512,410.00 has previously been approved for appraisal and advanced acquisition of specific parcels. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This project has previously been identified as a Trust Fund Intrastate System project.</b>	\$785,000.00
Greene Co. Div. 2 R-5812 DIVISION	WBS 46981.1.1 US 13 Bypass from NC 58 (Kingold Boulevard) to NC 91. \$1,230,257.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This is a BUILD NC BOND project.</b>	\$325,000.00
Jones/ Onslow Cos. Divs. 2/3 R-2514D STATEWIDE	WBS 34442.2.S5 US 17 from North of NC 58 to the New Bern Bypass. \$6,591,624.00 has previously been approved for right of way. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This is a Strategic Transportation Investments Transition project.</b>	\$110,000.00
Pender/ Duplin Cos. Div. 3 I-5940 STATEWIDE	WBS 45883.1.1 I-40 from Duplin County Line (Milemarker 360) to west of US 117 Milemarker 390). \$100,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$115,000.00
Wilmington/ New Hanover Co. Div. 3 U-4751 STATEWIDE	WBS 40191.1.2 SR 1409 (Military Cutoff Road Extension) from SR 1409 (Military Cutoff Road) to US 17 in Wilmington. \$10,450,302.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have exceeded the previously authorized budget. <b>This project has previously been identified as a Trust Fund Intrastate System project.</b>	\$160,000.00

**NCDOT October 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>
Pender/ New Hanover Cos. Div. 3 R-3300B REGIONAL	WBS 40237.1.2 US 17 from NC 210 to US 17 north of Hampstead. \$1,000,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$578,000.00
Sampson Co. Div. 3 R-2303D STATEWIDE	WBS 34416.3.S2 NC 24 from SR 1303 (Mitchell Loop Road) to US 421 - 701/ SR 1296 (Sunset Avenue). \$61,074,551.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$2,850,000.00
Statewide Div. 3 M-0488C REGIONAL	WBS 46404.1.15 Hampstead Bypass - Map Act Lawsuit. \$610,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$607,200.00
Johnston Co. Div. 4 U-5795 DIVISION	WBS 44366.1.1 SR 2302 (Ricks Road) from US 70 to US 301. \$820,747.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$130,000.00
Rocky Mount/ Nash Co. Div. 4 U-5026 DIVISION	WBS 44033.3.3 I-95 at SR 1770 (Sunset Avenue). Initial funds are requested for construction based on the estimate from the 12-month Tentative Letting List published August 16, 2019. This is combined with U-5026 which is a <b>BUILD NC BOND</b> project with a principal amount of \$9,000,000.00. Bond repayment requires \$772,000.00 of State Highway Trust funds in SFY 20 through SFY 34. This project also has \$37,400,000.00 in additional State Highway Trust funds which is Cash-flowed with \$3,770,000.00 in SFY 20 and \$11,210,000.00 in SFY 21 through SFY 23. This is combined with R-5720 which is a <b>Cash-flow</b> project with \$849,000.00 in SFY 20 and \$5,379,000.00 in SFY 21 through SFY 23. <b>This is a Design</b>	\$65,966,000.00



**Build project.**

**K-3**

**NCDOT October 2019 Board of Transportation Agenda  
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Rocky Mount/ Nash Co. Div. 4 U-5026 DIVISION	WBS 44033.2.3 I-95 at SR 1770 (Sunset Avenue). Initial funds are requested for full right of way and utilities. This is combined with R-5720: SR 1770 (Eastern Avenue) from SR 1003 (Red Oak Road) to SR 1603 (Old Carriage Road) in Rocky Mount. \$32,058,000.00 in State Highway Trust funds is requested which is <b>Cash-flowed</b> with \$16,197,000.00 in SFY 20 and \$15,861,000.00 in SFY 21. <b>This is a Design-Build project.</b>	\$32,058,000.00
Wayne Co. Div. 4 U-5724 REGIONAL	WBS 54016.2.1 US 13 (Berkeley Boulevard) - realignment of SR 1709 (Central Heights Road) at Berkeley Boulevard. \$770,000.00 has previously been approved for full right of way and utilities. Additional funds are requested for Duke Energy to relocate power utilities.	\$1,112,954.00
Wilson Co. Div. 4 U-6000 DIVISION	WBS 47136.1.1 NC 58 from NC 42 / SR 1516 (Ward Boulevard) to SR 1165 (Forest Hills Road). \$50,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$131,000.00
Harnett/ Johnston Cos. Divs. 4/6 I-5986B STATEWIDE	WBS 47532.1.3 I-95 from SR 1001 (Long Branch Road - Exit 71) to I-40 (Exit 81). \$1,754,417.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$4,600,000.00
Vance Co. Div. 5 U-5890 DIVISION	WBS 44658.1.1 SR 1162 (Dabney Drive) from Coble Boulevard to US 158 Business in Henderson. \$700,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$300,000.00

**October 3, 2019**

**NCDOT October 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>
Wake Co. Div. 5 I-5968 STATEWIDE	WBS 45921.1.1 I-540 from US 70 to SR 1829 (Leesville Road) in Raleigh. \$1,000,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$140,000.00
Wake Co. Div. 5 I-6005 STATEWIDE	WBS 47959.1.1 I-87 / US 64 / US 264 from US 64 Business (Wendell Boulevard) to US 264. \$10,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$157,000.00
Statewide Div. 5 M-0488D STATEWIDE	WBS 46404.1.4 South Eastern Extension of I-540 - Map Act Lawsuit. \$825,112.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$480,000.00
Wake Co. Div. 5 P-5707 REGIONAL	WBS 44643.1.1 CSX S Line. Grade separation at Rogers Road Extension Crossing (633 905Y) in Wake Forest. \$1,400,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$130,000.00
Wake Co. Div. 5 R-2721 STATEWIDE	WBS 37673.2.1 Southern Wake Freeway from NC 55 South to US 401 South. \$9,345,624.00 has previously been approved for appraisal and advanced acquisition of specific parcels. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This project has previously been identified as a Trust Fund Urban Loop project.</b>	\$266,000.00

**NCDOT October 2019 Board of Transportation Agenda  
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Wake Co. Div. 5 R-2828 STATEWIDE	WBS 35516.2.1 Southern Wake Freeway (Future NC 540) from US 401 to I-40. \$11,879,648.00 has previously been approved for appraisal and advanced acquisition of specific parcels. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This project has previously been identified as a Trust Fund Urban Loop project.</b>	\$3,342,000.00
Wake Co. Div. 5 U-5307D REGIONAL	WBS 47027.2.4 US 1 from south of NC 98 to SR 1909 (Purnell Road) / SR 1931 (Harris Road) in Wake Forest. Initial funds are requested for advanced acquisition of Specific Parcel 900 (Property of God's Place, Inc.).	\$1,350,000.00
Wake Co. Div. 5 U-5826 DIVISION	WBS 44398.1.1 SR 2000 (Falls of Neuse Road) from I-540 to SR 2006 (Durant Road). \$1,000,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$117,000.00
Columbus Co. Div. 6 R-2561CA REGIONAL	WBS 34466.3.8 NC 87 at NC 11. Initial funds are requested for right of way appraisals.	\$5,000.00
Columbus Co. Div. 6 R-5819 STATEWIDE	WBS 47091.3.2 US 74 / US 76 at SR 1740 (Old Lake Road). \$15,000.00 has previously been approved in advance of construction. Additional funds are requested.	\$2,900,000.00

**NCDOT October 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 I-5986A STATEWIDE	WBS 47532.1.2 I-95 from I-95 Business (Exit 56) to SR 1001 (Long Branch Road - Exit 71). \$340,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$1,360,000.00
Cumberland Co. Div. 6 R-2303A STATEWIDE	WBS 34416.3.3 NC 24 from west of SR 1006 (Maxwell Road / Clinton Road) in Cumberland County to SR 1853 (John Nunnery Road), 6.807 miles. \$69,470,050.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This project has previously been identified as a Trust Fund Intrastate System project.</b>	\$150,000.00
Fayetteville/ Cumberland Co. Div. 6 U-2519CB STATEWIDE	WBS 34817.3.S8 Fayetteville Outer Loop from south of SR 1400 (Cliffdale Road) to east of SR 1415 (Yadkin Road). \$151,439,754.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This is a Strategic Transportation Investments Transition project</b>	\$9,500,000.00
Pembroke/ Robeson Co. Div. 6 P-4900 STATEWIDE	WBS 41099.2.S1 Railroad Bypass of Pembroke to allow North to South shipments to turn East. \$3,065,407.00 has previously been approved for right of way. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This is a Strategic Transportation Investments Transition project.</b>	\$231,500.00
Statewide Div. 6 M-0488E STATEWIDE	WBS 46404.1.5 I-295, Fayetteville Outer Loop - Map Act Lawsuit. \$1,895,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$655,000.00

**NCDOT October 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>
Guilford / Rockingham Cos. Div. 7 R-2413C STATEWIDE	WBS 34429.3.7 US 220 / Future I-73 from Haw River to the existing US 220 / NC 68 intersection (combined with R-2309AB), 4.943 miles. \$63,842,367.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This project has previously been identified as a Trust Fund Intrastate System project. This is a Strategic Transportation Investments Transition project.</b>	\$1,800,000.00
Greensboro/ Guilford Co. Div. 7 U-2524 STATEWIDE	WBS 34820.2.1 Greensboro - Western Loop from north of I-85 to Lawndale Drive. \$1,735,471.00 has previously been approved for right of way and utilities. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This project has previously been identified as a Trust Funds Urban Loop project.</b>	\$115,000.00
Greensboro/ Guilford Co. Div. 7 U-2525B STATEWIDE	WBS 34821.3.S6 Greensboro Eastern Loop from north of US 70 to US 29 north of Greensboro. \$162,028,565.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$15,900,000.00
Guilford Co. Div. 7 U-2581BA DIVISION	WBS 34840.3.4 US 70 from SR 3045 (Mount Hope Church Road) to SR 3175 (Birch Creek Road). Initial funds are requested for construction based on the estimate from the 12-month Tentative Letting List published September 4, 2019. This is a <b>BUILD NC BOND</b> project with a principal amount of \$3,000,000.00. Bond repayment requires \$257,000.00 of State Highway Trust funds in SFY 20 through SFY 34. This project also has \$6,800,000.00 in additional State Highway Trust funds which is <b>Cash-flowed</b> with \$3,400,000.00 in SFY 20 and SFY 21.	\$10,655,000.00
Guilford Co. Div. 7 U-5896 DIVISION	WBS 44674.1.2 US 29 / US 70 / Business 85 at SR 1009 (South Main Street) in High Point. \$899,894.00 has previously been approved for preliminary engineering. Additional Strategic Transportation Investments funds are needed to cover expenditures that have or will exceed the previously authorized budget. This is a <b>BUILD NC BOND</b> project.	\$150,000.00

**NCDOT October 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>
Chatham Co. Div. 8 R-5724A DIVISION	WBS 50217.3.2 US 15 / 501 from south of US 64 Business to north of US 64 Business. \$4,000,000.00 has previously been approved for construction. Funds need to be decreased (\$3,999,000.00). Project is delayed.	-\$3,999,000.00
Lee Co. Div. 8 R-2417AA REGIONAL	WBS 34431.3.7 US 421 / NC 87 (Sanford Bypass) from west of SR 1400 (Cumnock Road) to west of US 1-15-501. \$38,926,213.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This project has previously been identified as a Trust Fund Intrastate System project.</b>	\$130,000.00
Montgomery Co. Div. 8 R-2527 STATEWIDE/ REGIONAL	WBS 35572.1.1 NC 24 - 27 from NC 73 to the Troy Bypass. \$5,272,912.00 has previously been approved for preliminary engineering. Additional Strategic Transportation Investments funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This project has previously been identified as a Trust Fund Intrastate System project. This is a BUILD NC BOND project.</b>	\$200,000.00
Richmond Co. Div. 8 R-3421B DIVISION	WBS 34542.3.7 US 220 Bypass from 0.3 mile south of SR 1140 (Old Charlotte Highway) to 0.2 mile southwest of SR 1304 (Harrington Road). \$88,850,000.00 has previously been approved for construction. Additional funds are requested to replace <b>BUILD NC BOND</b> funds and due to the increased estimate of \$103,300,000.00.	\$78,800,000.00

**NCDOT October 2019 Board of Transportation Agenda  
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Davidson Co. Div. 9 U-5786 DIVISION	WBS 44358.1.1 SR 1506 (Hickory Tree Road) from US 52/NC 8/Future I-285 to NC 150. \$750,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$140,000.00
Davie Co. Div. 9 R-5736 DIVISION	WBS 50194.1.1 US 601 from SR 1345 (Blaise Church Road) to SR 1408 (Cana Road). \$700,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$130,000.00
Statewide Div. 9 M-0488B STATEWIDE	WBS 46404.1.2 Winston-Salem Northern Beltway - Map Act Lawsuit. \$2,860,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$3,200,000.00
Forsyth Co. Div. 9 R-2247 STATEWIDE	WBS 34409.1.1 Winston Salem Northern Beltway from US 158 to US 52. \$18,040,674.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This project has previously been identified as a Trust Fund Urban Loop project.</b>	\$762,100.00
Forsyth Co. Div. 9 R-2247D STATEWIDE/ REGIONAL	WBS 34409.2.10 Winston-Salem Northern Beltway (Western Section), north of SR 1348 (Robinhood Road - Meadowlark Drive) to NC 67. \$8,152,277.00 has previously been approved for appraisal and acquisition of specific parcels. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This project has previously been identified as a Trust Fund Urban Loop project.</b>	\$590,000.00

**NCDOT October 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>
Winston- Salem/ Forsyth Co. Div. 9 U-2579 STATEWIDE	WBS 34839.1.1 The Winston-Salem Northern Beltway (Eastern Section) from US 52 to US 311. \$19,688,564.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This project has previously been identified as a Trust Fund Urban Loop project.</b>	\$225,000.00
Winston- Salem/ Forsyth Co. Div. 9 U-2579AA REGIONAL	WBS 34839.1.7 Winston-Salem Northern Beltway Eastern Section from US 311 to I-40. \$1,300,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$1,405,000.00
Winston- Salem/ Forsyth Co. Div. 9 U-2579AB REGIONAL	WBS 34839.2.4 Winston-Salem Northern Beltway Eastern Section (Future I-74) from I-40 to I-40 Business / US 421. \$58,600,000.00 has previously been approved for full right of way and utilities. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This project has previously been identified as a Trust Fund Urban Loop project.</b>	\$17,500,000.00
Winston- Salem/ Forsyth Co. Div. 9 U-2579F STATEWIDE	WBS 34839.2.9 Winston-Salem Northern Beltway Eastern Section (Future I-74) from NC 8 to east of US 52. \$3,470,489.00 has previously been approved for appraisal and advanced acquisition of specific parcels. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This project has previously been identified as a Trust Fund Urban Loop project.</b>	\$121,000.00
Rowan Co. Div. 9 U-5738 DIVISION	WBS 50163.1.1 US 2528 (Julian Road) from US 601 (Jake Alexander Boulevard) to SR 2667 (Summit Park Drive) in Salisbury. \$1,100,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$130,000.00



**NCDOT October 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>
Mecklenburg Co. Div. 10 U-5805 DIVISION	WBS 44377.2.1 Intersection of SR 1009 (Monroe Road) and Rama Road/Idlewild Road. Initial funds are requested for full right of way and utilities.	\$750,000.00
Stanly Co. Div. 10 R-2530B REGIONAL	WBS 34446.1.6 NC 24 - 27 from Bird Road in Albemarle to west of the Pee Dee River. \$5,594,425.00 has previously been approved for preliminary engineering. Additional Strategic Transportation Investments funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This project has previously been identified as a Trust Fund Intrastate System project.</b> This is a <b>BUILD NC BOND</b> project.	\$185,000.00
Union Co. Div. 10 U-5769A REGIONAL	WBS 50182.2.1 NC 16 (Providence Road South) from SR 1316 (Rea Road Extension) to SR 1321 (Cuthbertson Road) in Weddington. Initial funds are requested for advanced acquisition of Specific Parcel 236 (Property of Fanny Corea Martinez).	\$200,000.00
Watauga/ Ashe Cos. Div. 11 R-2915A REGIONAL	WBS 34518.3.6 US 221 from US 421 in Watauga County to SR 1003 (Idlewild Road) in Ashe County. \$49,801,204.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$9,200,000.00
Caldwell/ Watauga Cos. Div. 11 R-2237C STATEWIDE	WBS 34402.3.7 US 321 from south of SR 1500 (Blackberry Road) to US 221 at Blowing Rock. \$90,969,036.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This project has previously been identified as a Trust Fund Intrastate System project.</b> This is a <b>Strategic Transportation Investments Transition project.</b>	\$2,100,000.00

**NCDOT October 2019 Board of Transportation Agenda  
Approval of Strategic Transportation Investments Funds**

Town/ County Division PROJ. CATEGORY	Project Description	Estimated Cost
Caldwell Co. Div. 11 U-6033 DIVISION	WBS 46967.1.1 US 64 (NC 18) and SR 1142 (Callico Road). \$147,944.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$116,000.00
Watauga/ Avery Cos. Div. 11 R-2566BA DIVISION	WBS 37512.2.3 NC 105 - Construct new bridge over Watauga River and left-turn lane at SR 1112 (Broadstone Road) - within the limits of R-2566B. \$3,100,000.00 has previously been approved for full right of way and utilities. Additional funds are requested for relocation of Blue Ridge Electric Membership Corporation facilities.	\$3,000,000.00
Cleveland Co. Div. 12 R-2707C STATEWIDE/ REGIONAL	WBS 34497.2.4 US 74 Bypass from west of NC 226 to west of NC 150. \$5,697,829.00 has previously been approved for appraisal and advanced acquisition of specific parcels. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This project has previously been identified as a Trust Fund Intrastate System project.</b>	\$658,000.00
Iredell Co. Div. 12 R-2522 REGIONAL	WBS 38794.1.2 US 21 - NC 115 from Cedar Lane Avenue in Troutman to SR 1336 (Barium Loop Road) in Barium Springs. \$808,832.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget.	\$140,000.00
Iredell Co. Div. 12 U-5799 REGIONAL	WBS 44371.1.1 US 21 from SR 1933 to Fort Dobbs Road. \$1,343,952.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. This is a <b>BUILD NC BOND</b> project.	\$141,100.00

**NCDOT October 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>
Yancey Co. Div. 13 R-2519A REGIONAL	WBS 35609.2.1 US 19 from east of SR 1336 (Jacks Creek Road) to NC 80 in Yancey County. \$24,220,000.00 has previously been approved for right of way and utilities. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This project has previously been identified as a Trust Fund Intrastate System project.</b>	\$183,000.00
Yancey Co. Div. 13 R-2519A REGIONAL	WBS 35609.3.1 US 19 from east of SR 1336 (Jacks Creek Road) to NC 80 in Yancey County. \$54,202,049.00 has previously been approved for construction. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. <b>This project has previously been identified as a Trust Fund Intrastate System project.</b>	\$155,000.00
Statewide M-0194 STATEWIDE	WBS 34263.1.1 Feasibility Studies by Division of Planning and Programming. \$53,300,381.00 has previously been approved for feasibility studies. Additional funds are requested. <b>This project has previously been identified as a Trust Fund Specific State Funds for Construction project.</b>	\$5,000,000.00
Statewide M-0360 STATEWIDE/ REGIONAL/ DIVISION	WBS 36824.1.2 Design Services, statewide, preliminary engineering for miscellaneous projects. \$5,760,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. Additional funds are requested using 40% Statewide (\$960,000.00) / 30% Regional (\$720,000.00) / 30% Division (\$720,000.00) Tier funding.	\$2,400,000.00
Statewide M-0479 STATEWIDE/ REGIONAL/ DIVISION	WBS 46314.1.S1 Statewide project development and environmental analysis, preliminary engineering for miscellaneous projects. \$12,030,000.00 has previously been approved for preliminary engineering. Additional funds are needed to cover expenditures that have or will exceed the previously authorized budget. Additional funds are requested using 40% Statewide (\$564,000.00) / 30% Regional (\$423,000.00) / 30% Division (\$423,000.00) Tier funding.	\$1,410,000.00

\*\*\***Correction** and resubmission from September 5, 2019 Board Approval (Page K-13)  
As reads:

Richmond Co.	WBS 34542.3.7	\$88,850,000.00
Div. 8	US 220 Bypass from 0.3 mile south of SR 1140	
R-3421B	(Old Charlotte Highway) to 0.2 mile southwest of SR 1304	
DIVISION	(Harrington Road). Initial funds are requested for construction based on the estimate from the 12-month Tentative Letting List published August 2, 2019. This is a <b>BUILD NC BOND</b> project with a principal amount of \$50,800,000.00. Bond repayment requires \$4,290,000.00 of State Highway Trust funds in SFY 20 through SFY 34. This project also has \$24,500,000.00 in additional State Highway Trust funds which is <b>Cash-flowed</b> with \$6,125,000.00 in SFY 20 through SFY 23.	

\*\*\*The correction should be:

Richmond Co.	WBS 34542.3.7	-\$64,350,000.00
Div. 8	US 220 Bypass from 0.3 mile south of SR 1140	
R-3421B	(Old Charlotte Highway) to 0.2 mile southwest of SR 1304	
DIVISION	(Harrington Road). Funds need to be decreased (\$64,350,000.00). <b>BUILD NC BOND</b> funds will not be used.	

STATEWIDE STRATEGIC TRANSPORTATION INVESTMENTS	25 PROJECTS	\$56,239,600.00
REGIONAL STRATEGIC TRANSPORTATION INVESTMENTS	16 PROJECTS	\$33,022,254.00
DIVISION STRATEGIC TRANSPORTATION INVESTMENTS	18 PROJECTS	\$124,549,000.00
STATEWIDE/DIVISION TRANSPORTATION INVESTMENTS	1 PROJECTS	\$785,000.00
STATEWIDE/REGIONAL TRANSPORTATION INVESTMENTS	3 PROJECTS	\$1,448,000.00
STATEWIDE/REGIONAL/DIVISION TRANSPORTATION INVESTMENTS	2 PROJECTS	\$3,810,000.00
<b>STRATEGIC TRANSPORTATION INVESTMENTS</b>	<b>65 PROJECTS</b>	<b>\$219,853,854.00</b>

October 3, 2019

**October 3, 2019**

**NCDOT October 2019 Board of Transportation Agenda  
Approval of Funds for Specific Spot Safety Improvement Projects  
and for Specific Spot Mobility Projects**

L-1

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

<b>Town/ County Division PROJ. CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Concord/ Cabarrus Co. Div. 10 SS-4910CY	WBS 47461.3.1 SR 1431 (Weddington Road) from approximately Bennington Drive to Lexington Drive. \$128,700.00 in construction funds has previously been approved for curve improvements. Scope needs to be revised to ditch line and crossline pipe improvements instead. No additional funds needed. File 10-17-261-1	\$0.00
Union Co. Div. 10 SS-4910CX	WBS 47460.3.1 SR 1627 (New Salem Road) at SR 1631 (Lawyers Road). \$200,000.00 in Spot Safety construction funds has previously been approved for sight distance improvements. Scope needs to be revised to All-Way Stop installation instead. No additional funds needed. File 10-17-245-2	\$0.00
McAdenville/ Gaston Co. Div. 12 SS-6012A	WBS 48934.3.1 SR 2209 (Wesleyan Drive) at US 29/74 (Wilkinson Boulevard). Initial Spot Safety construction funds are needed for pedestrian heads, crosswalks, curb ramps, and flexible delineators installation. File 12-19-210C	\$75,000.00
McAdenville/ Gaston Co. Div. 12 SS-6012A	WBS 48934.1.1 SR 2209 (Wesleyan Drive) at US 29/74 (Wilkinson Boulevard). Initial Spot Safety preliminary engineering funds are needed for pedestrian heads, crosswalks, curb ramps, and flexible delineators installation. File 12-19-210P	\$5,000.00
<b>ITEM L SUMMARY</b>	<b>4 PROJECTS</b>	<b>\$80,000.00</b>

**October 3, 2019**

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

**Division 1**

**National Highway**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Pasquotank Co. I-6029 STATEWIDE	47978.3.GV1, NHPIM-0017(175) US 17 (Future I-87) from the Perquimans County Line to the north end of the US 17 Elizabeth City Bypass. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published August 16, 2019. This is a <b>GARVEE BOND</b> project with a principal amount of \$9,000,000.00. Repayment of the bond requires \$772,000.00 of Federal Funds in FFY20 through FFY34 and \$3,000,000.00 of State Match in both FFY20 and FFY21.	\$17,580,000.00 Cost \$11,580,000.00 Fed. \$6,000,000.00 State

**NCDOT October 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>
Brunswick Co. W-5703P STATEWIDE	44849.3.16, HSIP-0017(179) US 17 and SR 1566 (Ploof Road) / Olde Waterford Way. Funds are needed for construction to revise traffic signal.	\$8,300.00 Cost \$7,470.00 Fed. \$830.00 State

**Rail Program**

Duplin Co. Y-5500CB DIVISION	45533.1.10, RR-0332(134) Permanent Rail Crossing Closure at Plank Street and CSX Crossing #628 893W in Warsaw, along with signal revisions at CSX Crossing #642 710K in Warsaw. \$20,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$21,500.00 Cost \$17,200.00 Fed. \$4,300.00 State
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**Bicycle and Pedestrian**

New Hanover Co. EB-6027 DIVISION	48748.1.1, TADA-1403(017) Ogden Park Trail along SR 1403 (Middle Sound Loop Road), SR 2892 (Lendire Road), and Ogden Business Lane. \$120,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$185,000.00 Cost \$148,000.00 Fed. \$37,000.00 Local
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**NCDOT October 2019 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 4**

**Congestion Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Nash Co. C-5616E EXEMPT	50060.1.6, CMAQ-0445(005) First Street Sidewalk Project - Phase I along First Street and Washington Street in Nashville. Funds are needed for preliminary engineering.	\$23,500.00 Cost \$18,800.00 Fed. \$4,700.00 Local
Nash Co. C-5616F EXEMPT	50060.1.7, CMAQ-0445(006) First Street Sidewalk Project - Phase II from Washington Street to Winwood in Nashville. Funds are needed for preliminary engineering.	\$15,000.00 Cost \$12,000.00 Fed. \$3,000.00 Local

**Safety**

Johnston Co. W-5204E DIVISION	45334.1.5, HSIP-1524(006) SR 1524 (Old Drug Store Road) from SR 3416 (Fawn Hill Court) to NC 50. \$66,348.98 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$130,000.00 Cost \$117,000.00 Fed. \$13,000.00 State
Johnston Co. W-5704G DIVISION	44850.1.7, HSIP-1525(013) SR 1525 (Cornwallis Road) and SR 1526 (Shiloh Road / Josephine Road). \$120,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$110,000.00 Cost \$99,000.00 Fed. \$11,000.00 State

**Bicycle and Pedestrian**

Johnston Co. U-5530LA DIVISION	44111.3.5, STPDA-0406(007) Sam's Branch Greenway - Phase I at the North O'Neil Street crossing in Clayton (combined with: U-5530LB: Sam's Branch Greenway from end of Phase I to Legend Park at City Road). \$2,136,000.00 has previously been approved for construction. Additional funds are needed as requested to complete the greenway and grade separated crossing at O'Neil Street.	\$1,239,340.00 Cost \$991,471.00 Fed. \$247,869.00 Local
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**NCDOT October 2019 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 5**

**Congestion Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Durham Co. C-5605E EXEMPT	43725.3.6, CMAQ-0505(086) Durham Bicycle Lane Striping. Funds are needed for construction to revise pavement markings for bike lanes at various locations.	\$829,170.00 Cost \$663,336.00 Fed. \$165,834.00 Local
Franklin Co. C-5604QA EXEMPT	43714.3.9, CMAQ-0531(008) Main Street Improvements along NC 96 (Main Street) in Youngsville. Funds are needed for construction to install bicycle and pedestrian streetscape improvements.	\$1,186,005.00 Cost \$948,804.00 Fed. \$126,000.00 State \$111,201.00 Local
Granville Co. C-5166A EXEMPT	46232.3.3, CMS-0504(003) Eastern segment of the NC 56 Greenway in Creedmoor. \$895,379.00 has previously been approved for construction. Additional funds are needed as requested to complete the greenway system.	\$1,880,694.00 Cost \$1,504,555.00 Fed. \$376,139.00 Local
Granville Co. C-5166B EXEMPT	46232.3.4, CMS-0504(004) Western segment of the NC 56 Greenway in Creedmoor. \$730,968.00 has previously been approved for construction. Additional funds are needed as requested to complete the greenway system.	\$1,019,970.00 Cost \$815,976.00 Fed. \$203,994.00 Local
Wake Co. C-5604FA EXEMPT	43714.1.18, Federal No. 0532012 Beaverdam Creek Greenway between SR 2337 (Pippin Road) and Spiderlily Court in Zebulon. Funds are needed for preliminary engineering.	\$10,000.00 Cost \$8,000.00 Fed. \$2,000.00 Local
Wake Co. C-5604JA EXEMPT	43714.1.6, CMAQ-0510(009) Utley Creek Greenway Extension in Holly Springs. \$89,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$97,257.00 Cost \$77,805.00 Fed. \$19,452.00 Local
Wake Co. C-5604RA EXEMPT	43714.1.13, CMAQ-0508(009) Timber Drive Sidewalk and Pedestrian Crosswalks in Garner. \$62,400.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$5,707.00 Cost \$4,565.00 Fed. \$1,142.00 Local
Wake Co. U-5530GA EXEMPT	44111.3.12, STPDA-0507(010) Park-Depot Greenway Extension from Old Honeycutt Park to the South Lakes Subdivision in Fuquay-Varina. Funds are needed for construction to install greenway.	\$1,237,160.00 Cost \$989,728.00 Fed. \$247,432.00 Local

**NCDOT October 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-5529 DIVISION	44107.3.1, STPDA-0510(008) SR 1115 (Avent Ferry Road) from west of SR 1101 (Piney Grove-Wilbon Road) to Village Walk Drive in Holly Springs. Funds are needed for construction to widen roadway and install sidewalks.	\$1,829,375.00 Cost \$1,463,500.00 Fed. \$365,875.00 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. Funds are needed for construction to widen roadway to four-lane divided facility.	\$8,100,000.00 Cost \$5,670,000.00 Fed. \$105,000.00 State \$2,325,000.00 Local

**Bridge**

Wake Co. B-5326 DIVISION	46040.2.1, BRZ-2555(1) Replace Bridge #247 over White Oak Creek on SR 2555. \$402,000.00 has previously been approved for right of way and utilities. Additional funds are needed as requested.	\$450,000.00 Cost \$360,000.00 Fed. \$90,000.00 State
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**Safety**

Durham Co. W-5705U REGIONAL	44851.3.21, HSIP-0070(220) US 70 Business (Morgan Street) at the Carolina Theatre entrance in Durham. Funds are needed for construction to revise traffic signals.	\$20,000.00 Cost \$16,000.00 Fed. \$4,000.00 State
Wake Co. W-5601EX REGIONAL	50138.2.155, HSIP-0042(066) NC 42 from SR 5330 (Field Hill Road) to SR 5367 (Winterton Drive). Funds are needed for full right of way and utilities.	\$230,000.00 Cost \$207,000.00 Fed. \$23,000.00 State

**Rural**

Divisionwide R-5785E DIVISION	44915.3.6, TAP-0505(097) ADA Ramps (Americans with Disabilities Act) for areas with populations < 5,000 in Franklin, Granville, Vance and Warren Counties. Funds are needed for construction to install curb ramps and retrofit existing ramps.	\$240,000.00 Cost \$192,000.00 Fed. \$48,000.00 State
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**NCDOT October 2019 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 5 (Continued)**

**Rural**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Divisionwide R-5785F DIVISION	44915.3.7, TAP-0505(098) ADA Ramps (Americans with Disabilities Act) for areas with populations > 5,000 in Franklin, Granville, Vance and Warren Counties. Funds are needed for construction to install curb ramps and retrofit existing ramps.	\$150,000.00 Cost \$120,000.00 Fed. \$30,000.00 State
Wake Co. R-5785G DIVISION	44915.3.8, TAP-0505(100) ADA Ramps (Americans with Disabilities Act) for areas with populations > 5,000 in Rolesville, Wake Forest and Wendell. Funds are needed for construction to install curb ramps and retrofit existing ramps.	\$630,000.00 Cost \$504,000.00 Fed. \$126,000.00 State
Wake Co. R-5785H DIVISION	44915.3.9, TAP-0505(101) ADA Ramps (Americans with Disabilities Act) for areas with populations > 5,000 in Apex, Cary and Fuquay-Varina. Funds are needed for construction to install curb ramps and retrofit existing ramps.	\$850,000.00 Cost \$680,000.00 Fed. \$170,000.00 State
Wake Co. R-5785I DIVISION	44915.3.10, TAP-0505(102) ADA Ramps (Americans with Disabilities Act) for areas with populations > 5,000 in Garner. Funds are needed for construction to install curb ramps and retrofit existing ramps.	\$930,000.00 Cost \$744,000.00 Fed. \$186,000.00 State

**Bicycle and Pedestrian**

Durham Co. EB-6033I DIVISION	48778.4.10, TAP-00SS(072) Safe Routes to School Community Outreach, Education and Evaluation Initiatives in Durham County. Funds are needed for program implementation.	\$229,499.00 Cost \$183,599.00 Fed. \$45,900.00 Local
Vance Co. EB-6033J DIVISION	48778.4.11, TAP-00SS(073) Safe Routes to School Community Outreach, Education and Evaluation Initiatives in Vance County. Funds are needed for program implementation.	\$240,000.00 Cost \$192,000.00 Fed. \$48,000.00 Local
Wake Co. EB-6021 DIVISION	48818.1.1, Federal No. 0520125 Beaver Creek Greenway extension from Kelly Road Park to Apex Nature Park in Apex. Funds are needed for preliminary engineering.	\$10,000.00 Cost \$8,000.00 Fed. \$2,000.00 Local

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

**Division 7**

**Congestion Mitigation**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Guilford Co. C-5555E EXEMPT	45540.2.6, CMS-1546(021) SR 1546 (College Road) and SR 2179 (New Garden Road) in Greensboro. \$145,369.00 has previously been approved for right of way and utilities. Additional funds are needed as requested.	\$176,135.00 Cost \$140,908.00 Fed. \$35,227.00 Local

**Rail Program**

Guilford Co. Z-5700GC DIVISION	44803.3.41, RR-0710(038) Railway-Highway Grade Crossing Safety Project at Ogden Street and Norfolk Southern Crossing #713 784A in High Point. Funds are needed for construction to revise crossing signals and gates.	\$420,000.00 Cost \$378,000.00 Fed. \$42,000.00 Local
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**Bicycle and Pedestrian**

Guilford Co. U-5532A DIVISION	46297.2.2, TAP-0708(69) Aycock Street and Walker Avenue Pedestrian Improvements in Greensboro. \$21,000.00 has previously been approved for right of way and utilities. Additional funds are needed as requested.	\$74,023.00 Cost \$59,218.00 Fed. \$14,805.00 Local
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**NCDOT October 2019 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 8**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Hoke Co. SS-4908BV DIVISION	47939.1.1, HSIP-1408(003) SR 1408 (Club Pond Road) 0.3 mile north of SR 1406 (Rockfish Road). \$2,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$13,000.00 Cost \$11,700.00 Fed. \$1,300.00 State

**Rail Program**

Montgomery Co. Z-5700HE DIVISION	44803.3.38, RR-1402(013) Railway-Highway Grade Crossing Safety Project at SR 1402 (Owen Street) and Aberdeen Carolina & Western Railway (ACWR) Crossing #466 028E in Star. Funds are needed for construction to revise crossing signals and gates.	\$350,000.00 Cost \$315,000.00 Fed. \$35,000.00 State
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**Bicycle and Pedestrian**

Hoke Co. EB-6033H DIVISION	48778.4.9, TAP-00SS(071) Safe Routes to School Community Outreach, Education and Evaluation Initiatives in Hoke County. Funds are needed for program implementation.	\$240,000.00 Cost \$192,000.00 Fed. \$48,000.00 Local
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**NCDOT October 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-5620H EXEMPT	43740.3.7, CMAQ-0918(125) Meadowlark Drive from Country Club Road to Robinhood Road in Winston-Salem. Funds are needed for construction to install pedestrian facilities and left turn lanes.	\$1,836,353.00 Cost \$1,469,082.00 Fed. \$367,271.00 Local
Rowan Co. C-5160 EXEMPT	46225.3.3, CMS-0914(31) Newsome Road Bike Lane Project in Salisbury. Funds are needed for construction to install bike lanes.	\$1,646,250.00 Cost \$1,317,000.00 Fed. \$329,250.00 Local
Rowan Co. C-5603H EXEMPT	43713.1.8, CMAQ-0914(036) Brenner Avenue from Statesville Boulevard to West Horah Street, and Brenner Avenue at Link Avenue in Salisbury. \$55,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$107,200.00 Cost \$85,760.00 Fed. \$21,440.00 Local

**Rural**

Divisionwide R-5789F DIVISION	44919.3.7, TAP-0918(122) ADA Ramps (Americans with Disabilities Act) for areas with populations < 5,000. Funds are needed for construction to install curb ramps and retrofit existing ramps.	\$877,350.00 Cost \$701,880.00 Fed. \$175,470.00 State
Divisionwide R-5789G DIVISION	44919.3.8, TAP-0918(123) ADA Ramps (Americans with Disabilities Act) for areas with populations > 5,000. Funds are needed for construction to install curb ramps and retrofit existing ramps.	\$2,900,000.00 Cost \$2,320,000.00 Fed. \$580,000.00 State

**NCDOT October 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-5722 DIVISION	50418.1.1, STBG TAP-0067(012) NC 67 (Silas Creek Parkway) from Bolton Street to Lockland Avenue in Winston-Salem. Funds are needed for preliminary engineering.	\$520,751.00 Cost \$416,601.00 Fed. \$104,150.00 Local
Forsyth Co. EB-5810 DIVISION	44662.1.2, STBG TAP-0918(116) Barbara Jane Avenue from Old Greensboro Road to Woodrow Powell Drive in Winston-Salem. Funds are needed for preliminary engineering.	\$60,000.00 Cost \$48,000.00 Fed. \$12,000.00 Local
Forsyth Co. EB-5952 DIVISION	48428.1.1, BGANY-0067(013) Fairlawn Drive from NC 67 (Reynolda Road) to SR 1528 (Silas Creek Parkway) in Winston-Salem. Funds are needed for preliminary engineering.	\$271,700.00 Cost \$217,360.00 Fed. \$54,340.00 Local
Forsyth Co. EB-5953 DIVISION	48429.1.1, STBG-4000(002) SR 4000 (University Parkway) from SR 1686 (Shattalon Drive) to Robin Wood Lane in Winston-Salem. Funds are needed for preliminary engineering.	\$182,720.00 Cost \$146,176.00 Fed. \$36,544.00 Local
Forsyth Co. EB-5954 DIVISION	48430.1.1, BGANY-0918(119) Griffith Road from Kimwell Drive to Burke Mill Road in Winston-Salem. Funds are needed for preliminary engineering.	\$472,219.00 Cost \$377,775.00 Fed. \$94,444.00 Local
Forsyth Co. EB-5955 DIVISION	48431.1.1, BGANY-1348(004) SR 1348 (Robinhood Road) from Speaks Farm Road to Muddy Creek Greenway in Winston-Salem. Funds are needed for preliminary engineering.	\$70,500.00 Cost \$56,400.00 Fed. \$14,100.00 Local
Forsyth Co. EB-5957 DIVISION	48433.1.1, STBG-2648(001) Old Winston Road Sidewalk Extensions along SR 2648 (Old Winston Road) from Hopkins Road to the existing sidewalk across from Seventh Day Adventist Church in Kernersville. Funds are needed for preliminary engineering.	\$76,078.00 Cost \$60,862.00 Fed. \$15,216.00 Local



**NCDOT October 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. U-6154 DIVISION	48436.1.1, Federal No. 1308017 SR 1308 (Lewisville-Vienna Road) and SR 1348 (Robinhood Road) in Lewisville. Funds are needed for preliminary engineering.	\$120,000.00 Cost \$96,000.00 Fed. \$24,000.00 Local
Forsyth Co. U-6155 DIVISION	48437.1.1, Federal No. 0918126 SR 1725 (University Parkway) and Coliseum Drive in Winston-Salem. Funds are needed for preliminary engineering.	\$75,000.00 Cost \$60,000.00 Fed. \$15,000.00 Local

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

**Division 10**

**Interstate**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Mecklenburg Co. I-5904 STATEWIDE	45887.3.GV1, NHPIM-0485(051) I-485 in Mecklenburg County from Milemarker 43 to Milemarker 49. Funds are needed for construction based on the estimate from the 12-Month Tentative Letting List published August 16, 2019. This is a <b>GARVEE BOND</b> project with a principal amount of \$9,100,000.00. Repayment of the bond requires \$780,933.00 of Federal Funds in FFY20 through FFY33 and \$780,938.00 in FFY34; with State Match of \$1,516,000.00 in FFY20 and \$1,517,000.00 in FFY21. This project also includes \$867,000.00 of National Highway Performance Program (NHPP) funds (including state match) in FFY20.	\$15,614,000.00 Cost \$12,407,600.00 Fed. \$3,206,400.00 State

**Congestion Mitigation**

Cabarrus Co. C-5603G EXEMPT	43713.3.7, CMAQ-1004(074) SR 2894 (Bruton Smith Boulevard) and Weddington Road in Concord. Funds are needed for construction to install turn lanes and revise pavement markings.	\$177,100.00 Cost \$141,680.00 Fed. \$35,420.00 Local
Mecklenburg Co. C-5613BE EXEMPT	43735.3.9, CMAQ-1003(158) Mallard Creek Road ITS and Traffic Management Upgrades along Mallard Creek Road from Harris Boulevard to Governor Hunt Road in Charlotte. Funds are needed for construction to install fiber optic cable, communication devices and traffic management cameras.	\$200,000.00 Cost \$158,000.00 Fed. \$42,000.00 Local

**Bridge**

Anson Co. B-5809 DIVISION	45763.2.1, BRZ-1142(012) Replace Bridge #75 over North Fork Jones Creek on SR 1142. Funds are needed for full right of way and utilities.	\$105,000.00 Cost \$84,000.00 Fed. \$21,000.00 State
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**NCDOT October 2019 Board of Transportation Agenda  
Approval of Funds for Specific Federal - Aid Projects**

**Division 10 (Continued)**

**Safety**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Mecklenburg Co. W-5601FK DIVISION	50138.2.168, HSIP-2802(001) SR 2802 (Rocky River Road) at SR 2826 (Hood Road) and SR 2827 (Back Creek Church Road). \$35,000.00 has previously been approved for right of way and utilities. Additional funds are needed as requested.	\$151,000.00 Cost \$135,900.00 Fed. \$15,100.00 State
Mecklenburg Co. W-5601FK DIVISION	50138.1.168, HSIP-2802(001) SR 2802 (Rocky River Road) at SR 2826 (Hood Road) and SR 2827 (Back Creek Church Road). \$53,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$22,000.00 Cost \$19,800.00 Fed. \$2,200.00 State
Mecklenburg Co. W-5710X DIVISION	44856.1.24, HSIP-2042(002) Various safety improvements along SR 2042 (Oakdale Road), SR 2108 (Sunset Boulevard), SR 2025 (Miranda Road), and SR 2040 (Lawing Road) near Charlotte. \$200,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$503,750.00 Cost \$336,000.00 Fed. \$167,750.00 Local
Mecklenburg Co. W-5710X DIVISION	44856.2.24, HSIP-2042(002) Various safety improvements along SR 2042 (Oakdale Road), SR 2108 (Sunset Boulevard), SR 2025 (Miranda Road), and SR 2040 (Lawing Road) near Charlotte. Funds are needed for full right of way and utilities.	\$1,261,687.00 Cost \$841,125.00 Fed. \$420,562.00 Local

**Rural**

Divisionwide R-5790JF DIVISION	44920.3.14, TAP-00SS(060) ADA Ramps (Americans with Disabilities Act) for areas with populations < 5,000 in Cabarrus, Anson and Stanly Counties. Funds are needed for construction to install curb ramps and retrofit existing ramps.	\$280,000.00 Cost \$224,000.00 Fed. \$31,600.00 State \$24,400.00 Local
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**NCDOT October 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-5903 DIVISION	47347.3.1, TAPDA-1004(069) Union Street Sidewalk Extension from Tulip Avenue to Cumberland Court in Concord. Funds are needed for construction to install sidewalks.	\$400,000.00 Cost \$320,000.00 Fed. \$80,000.00 Local
Mecklenburg Co. EB-5785 DIVISION	46431.1.1, BGDA-1007(038) McDowell Creek Greenway from NC 73 to Chilgrove Lane in Huntersville. Funds are needed for preliminary engineering.	\$5,000.00 Cost \$4,000.00 Fed. \$1,000.00 Local
Mecklenburg Co. EB-5820 DIVISION	44840.3.1, TAPDA-1003(150) Charlotte "B-Cycle" Bike-Share Facility Expansion. Funds are needed for construction to install bike-share stations at various locations.	\$562,500.00 Cost \$450,000.00 Fed. \$112,500.00 Local
Mecklenburg Co. EB-5929 DIVISION	47694.1.1, STBGDA-1003(161) Belk Greenway Connector from East Stonewall Street to South Kings Drive in Charlotte. \$184,350.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$611,429.00 Cost \$428,000.00 Fed. \$183,429.00 Local
Union Co. EB-5723 DIVISION	50419.1.1, TAP-0074(212) Indian Trail Multi-Use Pathway along US 74 from SR 1520 (Indian Trail Fairview Road) to SR 1367 (Unionville Indian Trail Road), and the South Fork Crooked Creek Greenway from SR 1367 (Unionville Indian Trail Road) to Oakwood Lane. \$145,000.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$1,046,250.00 Cost \$837,000.00 Fed. \$209,250.00 Local

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

**Division 11**

**Bicycle and Pedestrian**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Caldwell Co. EB-5806 DIVISION	46457.2.1, STPDA-0321(036) Hospital Avenue from Harper Avenue to US 321 (Blowing Rock Boulevard). Funds are needed for full right of way and utilities.	\$50,000.00 Cost \$40,000.00 Fed. \$10,000.00 Local

**NCDOT October 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-5195 EXEMPT	46247.3.3, CMS-1207(008) Claremont Sidewalks along various routes in Claremont. \$450,000.00 has previously been approved for construction. Additional funds are needed as requested to install sidewalks.	\$281,000.00 Cost \$224,800.00 Fed. \$56,200.00 Local
Catawba Co. C-5624 EXEMPT	46405.1.1, CMAQ-1143(023) Pedestrian Improvements along First Street in Conover. Funds are needed for preliminary engineering.	\$491,250.00 Cost \$393,000.00 Fed. \$98,250.00 Local
Gaston Co. C-5606B EXEMPT	43728.1.3, CMAQ-0161(024) NC 161 Sidewalk and Crosswalk Project in Bessemer City. \$93,126.00 has previously been approved for preliminary engineering. Additional funds are needed as requested.	\$66,874.00 Cost \$52,830.00 Fed. \$14,044.00 Local
Gaston Co. C-5606M EXEMPT	43728.1.13, Federal No. 0114002 Neal Hawkins Road Sidewalk Improvements in Gastonia. Funds are needed for preliminary engineering.	\$312,500.00 Cost \$250,000.00 Fed. \$62,500.00 Local
Gaston Co. C-5703 REGIONAL	48320.1.1, CMAQ-1213(039) Gastonia Signal System Upgrades. Funds are needed for preliminary engineering.	\$2,044,000.00 Cost \$1,635,200.00 Fed. \$378,140.00 State \$30,660.00 Local

**Urban**

Catawba Co. U-4700A STATEWIDE	35993.2.GV6, NHP-0321(039) US 321 from US 70 in Hickory to US 321A (combined with: B-4450: Replace Bridge #367 over the Catawba River on US 321). Funds are needed for full right of way and utilities. This is a <b>GARVEE BOND</b> project with a principal amount of \$30,000,000.00. Repayment of the bond requires \$2,574,000.00 of Federal funds in FFY19 through FFY33 and \$10,000,000.00 of State Match funds in FFY20. This project also includes \$4,500,000.00 of National Highway Performance Program (NHPP) funds (including state match) in FFY20.	\$53,110,000.00 Cost \$42,210,000.00 Fed. \$10,900,000.00 State
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**NCDOT October 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. U-5019B DIVISION	41503.3.2, STBGDA-1302(085) French Broad River West Bank Greenway between Haywood Road Bridge and French Broad River Park in Asheville. Funds are needed for construction to install greenway.	\$5,000,000.00 Cost \$4,000,000.00 Fed. \$1,000,000.00 Local

**Rural**

Divisionwide R-5793GA DIVISION	44923.3.14, Federal No. 1302091 ADA Ramps (Americans with Disabilities Act) for areas with populations < 5,000 in Buncombe, Madison and Yancey Counties. Funds are needed for construction to install curb ramps and retrofit existing ramps.	\$635,000.00 Cost \$508,000.00 Fed. \$127,000.00 State
Divisionwide R-5793HA DIVISION	44923.3.16, Federal No. 1302093 ADA Ramps (Americans with Disabilities Act) for areas with populations < 5,000 in Burke, McDowell, Mitchell and Rutherford Counties. Funds are needed for construction to install curb ramps and retrofit existing ramps.	\$440,000.00 Cost \$352,000.00 Fed. \$88,000.00 State

**Bicycle and Pedestrian**

Buncombe Co. EB-5822 DIVISION	44991.1.1, STBGDA-0251(039) North River Arts District (RAD) Greenway along Riverside Drive from Hill Street to Broadway Avenue in Asheville. Funds are needed for preliminary engineering.	\$300,000.00 Cost \$240,000.00 Fed. \$60,000.00 Local
Burke Co./ Catawba Co. EB-5939 DIVISION	48181.3.1, STBGDA-1143(017) Riverwalk Trail from Old Lenoir Road in Hickory to the end of the proposed Rosales Bridge over the Catawba River. Funds are needed for construction to install multi-use path.	\$2,500,000.00 Cost \$2,000,000.00 Fed. \$500,000.00 Local

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

**Division 14**

**Bicycle and Pedestrian**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Jackson Co. EB-6033B DIVISION	48778.4.3, TAP-00SS(065) Safe Routes to School Community Outreach, Education and Evaluation Initiatives in Jackson County. Funds are needed for program implementation.	\$240,000.00 Cost \$192,000.00 Fed. \$48,000.00 Local



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

**Statewide**

**Planning and Research**

<b>Town/ County/PROJ CATEGORY</b>	<b>Project Description</b>	<b>Estimated Cost</b>
Statewide M-0482G STATEWIDE	50145.1.7, Federal No. 00SS097 FY 2019 State Transportation Innovation Council (STIC) Allocation for Advanced Collaboration Technologies. Funds are needed as requested for research and evaluation.	\$62,500.00 Cost \$50,000.00 Fed. \$12,500.00 State
Statewide R-4436EL STATEWIDE	34625.1.73, Federal No. 00SS098 National Stormwater Practitioners' Peer Exchange Workshop. Funds are needed to host the national forum.	\$200,000.00 Cost \$160,000.00 Fed. \$40,000.00 State

**ITEM M SUMMARY - 79 PROJECT(S) - (TOTAL FEDERAL AND STATE) \$130,550,567.00**

**REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS  
HIGHWAY PROGRAM  
STIP ADDITIONS**

**DIVISION 1**

* W-5801DIV	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
MARTIN	LOCATIONS IN DIVISION 1.		FY 2021 -	\$30,000	(HSIP)
PASQUOTANK	<u><b>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</b></u>		FY 2022 -	\$30,000	(HSIP)
PERQUIMANS	<u><b>PREVIOUSLY PROGRAMMED.</b></u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
TYRRELL			FY 2021 -	\$180,000	(HSIP)
HYDE			FY 2022 -	<u>\$180,000</u>	(HSIP)
NORTHAMPTON				\$630,000	
BERTIE					
CURRITUCK					
CAMDEN					
DARE					
HERTFORD					
WASHINGTON					
CHOWAN					
GATES					
PROJ.CATEGORY					
DIVISION					

* W-5801REG	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
CAMDEN	LOCATIONS IN DIVISION 1.		FY 2021 -	\$30,000	(HSIP)
HERTFORD	<u><b>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</b></u>		FY 2022 -	\$30,000	(HSIP)
WASHINGTON	<u><b>PREVIOUSLY PROGRAMMED.</b></u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
TYRRELL			FY 2021 -	\$180,000	(HSIP)
PERQUIMANS			FY 2022 -	<u>\$180,000</u>	(HSIP)
PASQUOTANK				\$630,000	
NORTHAMPTON					
HYDE					
CHOWAN					
GATES					
DARE					
BERTIE					
MARTIN					
CURRITUCK					
PROJ.CATEGORY					
REGIONAL					

\* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS  
HIGHWAY PROGRAM  
STIP ADDITIONS**

**DIVISION 1**

* W-5801SW	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN DIVISION 1.	RIGHT-OF-WAY	FY 2020 -	\$40,000	(HSIP)
WASHINGTON			FY 2021 -	\$40,000	(HSIP)
DARE	<u><b>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT PREVIOUSLY PROGRAMMED.</b></u>	CONSTRUCTION	FY 2022 -	\$40,000	(HSIP)
TYRRELL			FY 2020 -	\$240,000	(HSIP)
PASQUOTANK			FY 2021 -	\$240,000	(HSIP)
NORTHAMPTON			FY 2022 -	<u>\$240,000</u>	(HSIP)
HYDE				\$840,000	
HERTFORD					
PERQUIMANS					
CURRITUCK					
CAMDEN					
GATES					
MARTIN					
BERTIE					
CHOWAN					
PROJ.CATEGORY					
STATEWIDE					

**DIVISION 2**

* W-5802DIV	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN DIVISION 2.	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
LENOIR			FY 2021 -	\$30,000	(HSIP)
GREENE	<u><b>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT PREVIOUSLY PROGRAMMED.</b></u>	CONSTRUCTION	FY 2022 -	\$30,000	(HSIP)
JONES			FY 2020 -	\$180,000	(HSIP)
CARTERET			FY 2021 -	\$180,000	(HSIP)
BEAUFORT			FY 2022 -	<u>\$180,000</u>	(HSIP)
PITT				\$630,000	
CRAVEN					
PAMLICO					
PROJ.CATEGORY					
DIVISION					

\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS

HIGHWAY PROGRAM

STIP ADDITIONS

**DIVISION 2**

* W-5802REG	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
GREENE	LOCATIONS IN DIVISION 2.		FY 2021 -	\$30,000	(HSIP)
PAMLICO	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</u>		FY 2022 -	\$30,000	(HSIP)
LENOIR	<u>PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
BEAUFORT			FY 2021 -	\$180,000	(HSIP)
JONES			FY 2022 -	<u>\$180,000</u>	(HSIP)
CRAVEN				\$630,000	
CARTERET					
PITT					
PROJ.CATEGORY					
REGIONAL					

* W-5802SW	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$40,000	(HSIP)
BEAUFORT	LOCATIONS IN DIVISION 2.		FY 2021 -	\$40,000	(HSIP)
CARTERET	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</u>		FY 2022 -	\$40,000	(HSIP)
CRAVEN	<u>PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 -	\$240,000	(HSIP)
PITT			FY 2021 -	\$240,000	(HSIP)
JONES			FY 2022 -	<u>\$240,000</u>	(HSIP)
GREENE				\$840,000	
LENOIR					
PAMLICO					
PROJ.CATEGORY					
STATEWIDE					

**DIVISION 3**

* EB-6039	CAROLINA BEACH, CONSTRUCT BIKE LANES ALONG	ENGINEERING	FY 2020 -	\$59,000	(TADA)
NEW HANOVER	ST. JOSEPH AVENUE AND LEWIS DRIVE FROM LAKE		FY 2020 -	\$15,000	(L)
PROJ.CATEGORY	PARK BOULEVARD TO ACCESS DRIVE IN CAROLINA	CONSTRUCTION	FY 2021 -	\$333,000	(TADA)
DIVISION	BEACH.		FY 2021 -	<u>\$83,000</u>	(L)
	<u>PROJECT ADDED AT REQUEST OF MPO.</u>			\$490,000	

* U-6233	CAROLINA BEACH, CONSTRUCT NEW TRAFFIC SIGNAL	ENGINEERING	FY 2020 -	\$2,000	(S)
NEW HANOVER	AND IMPROVE PEDESTRIAN ACCOMMODATIONS AT		FY 2020 -	\$6,000	(BGDA)
PROJ.CATEGORY	THE INTERSECTION OF US 421 (LAKE PARK	RIGHT-OF-WAY	FY 2020 -	\$10,000	(S)
DIVISION	BOULEVARD) AND HAMLET AVENUE IN CAROLINA		FY 2020 -	\$40,000	(BGDA)
	BEACH.	CONSTRUCTION	FY 2021 -	\$42,000	(S)
	<u>PROJECT ADDED AT REQUEST OF MPO. 'S' FUNDS</u>		FY 2021 -	<u>\$170,000</u>	(BGDA)
	<u>REPRESENT STATE HIGHWAY FUNDS.</u>			\$270,000	

\* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS  
HIGHWAY PROGRAM  
STIP ADDITIONS**

**DIVISION 3**

* U-6234 NEW HANOVER PROJ.CATEGORY DIVISION	WILMINGTON, WILMINGTON MULTI-MODAL TRANSPORTATION CENTER PHASE 1B. <u>PROJECT ADDED AT REQUEST OF MPO.</u>	ENGINEERING  CONSTRUCTION	FY 2020 - FY 2020 - FY 2021 - FY 2021 -	\$192,000 \$48,000 \$1,168,000 \$292,000	(BGDA) (L) (BGDA) (L)
				\$1,700,000	

* U-6235 NEW HANOVER PROJ.CATEGORY DIVISION	WILMINGTON, TRAFFIC SIGNAL PRE-EMPTION FOR EMERGENCY VEHICLES PROJECT. <u>PROJECT ADDED AT REQUEST OF MPO.</u>	ENGINEERING  CONSTRUCTION	FY 2020 - FY 2020 - FY 2021 - FY 2021 -	\$390,000 \$97,000 \$627,000 \$157,000	(BGDA) (L) (BGDA) (L)
				\$1,271,000	

* U-6236 NEW HANOVER PROJ.CATEGORY DIVISION	WILMINGTON, WEST SALISBURY STREET STREETSCAPE PROJECT. <u>PROJECT ADDED AT REQUEST OF MPO.</u>	CONSTRUCTION	FY 2020 - FY 2020 -	\$636,000 \$273,000	(BGDA) (L)
				\$909,000	

* W-5803DIV SAMPSON NEW HANOVER BRUNSWICK DUPLIN PENDER ONSLow PROJ.CATEGORY DIVISION	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN DIVISION 3. <u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT PREVIOUSLY PROGRAMMED.</u>	RIGHT-OF-WAY  CONSTRUCTION	FY 2020 - FY 2021 - FY 2022 - FY 2020 - FY 2021 - FY 2022 -	\$30,000 \$30,000 \$30,000 \$180,000 \$180,000 \$180,000	(HSIP) (HSIP) (HSIP) (HSIP) (HSIP) (HSIP)
				\$630,000	

\* INDICATES FEDERAL AMENDMENT

Thursday, October 3, 2019

REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS

HIGHWAY PROGRAM

STIP ADDITIONS

**DIVISION 3**

* W-5803REG	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
DUPLIN	LOCATIONS IN DIVISION 3.		FY 2021 -	\$30,000	(HSIP)
PENDER	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</u>		FY 2022 -	\$30,000	(HSIP)
ONslow	<u>PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
NEW HANOVER			FY 2021 -	\$180,000	(HSIP)
BRUNSWICK			FY 2022 -	\$180,000	(HSIP)
SAMPSON					
PROJ.CATEGORY					
REGIONAL				\$630,000	

* W-5803SW	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$40,000	(HSIP)
NEW HANOVER	LOCATIONS IN DIVISION 3.		FY 2021 -	\$40,000	(HSIP)
BRUNSWICK	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</u>		FY 2022 -	\$40,000	(HSIP)
SAMPSON	<u>PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 -	\$240,000	(HSIP)
DUPLIN			FY 2021 -	\$240,000	(HSIP)
ONslow			FY 2022 -	\$240,000	(HSIP)
PENDER					
PROJ.CATEGORY					
STATEWIDE				\$840,000	

**DIVISION 4**

* P-5100	GOLDSBORO UNION STATION - HISTORIC 1909				
WAYNE	TRANSPORTATION FACILITY. CONVERT STATION AND				
PROJ.CATEGORY	VICINITY INTO A MULTI-MODAL TRANSPORTATION				
EXEMPT	CENTER.				
	<u>PROJECT ADDED BACK TO STIP TO COMPLETE</u>				
	<u>ADDITIONAL PRELIMINARY ENGINEERING ACTIVITIES.</u>				
	<u>PROGRAMMED FOR PLANNING AND ENVIRONMENTAL</u>				
	<u>STUDIES ONLY.</u>				
* W-5804DIV	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
NASH	LOCATIONS IN DIVISION 4.		FY 2021 -	\$30,000	(HSIP)
WAYNE	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</u>		FY 2022 -	\$30,000	(HSIP)
HALIFAX	<u>PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
WILSON			FY 2021 -	\$180,000	(HSIP)
EDGEcombe			FY 2022 -	\$180,000	(HSIP)
JOHNSTON					
PROJ.CATEGORY					
DIVISION				\$630,000	

\* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS  
HIGHWAY PROGRAM  
STIP ADDITIONS**

**DIVISION 4**

* W-5804REG	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
EDGECOMBE	LOCATIONS IN DIVISION 4.		FY 2021 -	\$30,000	(HSIP)
WAYNE	<u><b>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</b></u>		FY 2022 -	\$30,000	(HSIP)
WILSON	<u><b>PREVIOUSLY PROGRAMMED.</b></u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
NASH			FY 2021 -	\$180,000	(HSIP)
HALIFAX			FY 2022 -	<u>\$180,000</u>	(HSIP)
JOHNSTON				\$630,000	
PROJ.CATEGORY					
REGIONAL					

* W-5804SW	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$40,000	(HSIP)
HALIFAX	LOCATIONS IN DIVISION 4.		FY 2021 -	\$40,000	(HSIP)
WILSON	<u><b>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</b></u>		FY 2022 -	\$40,000	(HSIP)
WAYNE	<u><b>PREVIOUSLY PROGRAMMED.</b></u>	CONSTRUCTION	FY 2020 -	\$240,000	(HSIP)
NASH			FY 2021 -	\$240,000	(HSIP)
JOHNSTON			FY 2022 -	<u>\$240,000</u>	(HSIP)
EDGECOMBE				\$840,000	
PROJ.CATEGORY					
STATEWIDE					

**DIVISION 5**

* W-5805DIV	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
VANCE	DIVISION 5.		FY 2021 -	\$30,000	(HSIP)
GRANVILLE	<u><b>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</b></u>		FY 2022 -	\$30,000	(HSIP)
PERSON	<u><b>PREVIOUSLY PROGRAMMED.</b></u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
FRANKLIN			FY 2021 -	\$180,000	(HSIP)
WARREN			FY 2022 -	<u>\$180,000</u>	(HSIP)
WAKE				\$630,000	
DURHAM					
PROJ.CATEGORY					
DIVISION					

\* INDICATES FEDERAL AMENDMENT

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

## HIGHWAY PROGRAM

## STIP ADDITIONS

**DIVISION 5**

* W-5805REG	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
DURHAM	DIVISION 5.		FY 2021 -	\$30,000	(HSIP)
WAKE	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</u>		FY 2022 -	\$30,000	(HSIP)
PERSON	<u>PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
WARREN			FY 2021 -	\$180,000	(HSIP)
GRANVILLE			FY 2022 -	\$180,000	(HSIP)
VANCE					
FRANKLIN					
PROJ.CATEGORY					
REGIONAL					
				\$630,000	

* W-5805SW	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
FRANKLIN	DIVISION 5.		FY 2021 -	\$30,000	(HSIP)
WAKE	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</u>		FY 2022 -	\$30,000	(HSIP)
PERSON	<u>PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
GRANVILLE			FY 2021 -	\$180,000	(HSIP)
DURHAM			FY 2022 -	\$180,000	(HSIP)
VANCE					
WARREN					
PROJ.CATEGORY					
STATEWIDE					
				\$630,000	

**DIVISION 6**

* W-5806DIV	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
COLUMBUS	LOCATIONS IN DIVISION 6.		FY 2021 -	\$30,000	(HSIP)
HARNETT	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</u>		FY 2022 -	\$30,000	(HSIP)
CUMBERLAND	<u>PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
ROBESON			FY 2021 -	\$180,000	(HSIP)
BLADEN			FY 2022 -	\$180,000	(HSIP)
PROJ.CATEGORY					
DIVISION					
				\$630,000	

\* INDICATES FEDERAL AMENDMENT



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

## HIGHWAY PROGRAM

## STIP ADDITIONS

**DIVISION 6**

* W-5806REG	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
HARNETT	LOCATIONS IN DIVISION 6.		FY 2021 -	\$30,000	(HSIP)
BLADEN	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</u>		FY 2022 -	\$30,000	(HSIP)
ROBESON	<u>PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
CUMBERLAND			FY 2021 -	\$180,000	(HSIP)
COLUMBUS			FY 2022 -	<u>\$180,000</u>	(HSIP)
PROJ.CATEGORY				\$630,000	
REGIONAL					

* W-5806SW	VARIOUS, SAFETY IMPROVEMENTS AT VARIOUS	RIGHT-OF-WAY	FY 2020 -	\$40,000	(HSIP)
COLUMBUS	LOCATIONS IN DIVISION 6.		FY 2021 -	\$40,000	(HSIP)
BLADEN	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</u>		FY 2022 -	\$40,000	(HSIP)
HARNETT	<u>PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 -	\$240,000	(HSIP)
CUMBERLAND			FY 2021 -	\$240,000	(HSIP)
ROBESON			FY 2022 -	<u>\$240,000</u>	(HSIP)
PROJ.CATEGORY				\$840,000	
STATEWIDE					

**DIVISION 7**

* W-5807DIV	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
CASWELL	DIVISION 7.		FY 2021 -	\$30,000	(HSIP)
GUILFORD	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</u>		FY 2022 -	\$30,000	(HSIP)
ROCKINGHAM	<u>PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
ALAMANCE			FY 2021 -	\$180,000	(HSIP)
ORANGE			FY 2022 -	<u>\$180,000</u>	(HSIP)
PROJ.CATEGORY				\$630,000	
DIVISION					

\* INDICATES FEDERAL AMENDMENT

Thursday, October 3, 2019

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

## HIGHWAY PROGRAM

## STIP ADDITIONS

**DIVISION 7**

* W-5807REG	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
ALAMANCE	DIVISION 7.		FY 2021 -	\$30,000	(HSIP)
GUILFORD	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</u>		FY 2022 -	\$30,000	(HSIP)
ROCKINGHAM	<u>PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
CASWELL			FY 2021 -	\$180,000	(HSIP)
ORANGE			FY 2022 -	\$180,000	(HSIP)
PROJ.CATEGORY				<u>\$630,000</u>	
REGIONAL					

* W-5807SW	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
CASWELL	DIVISION 7.		FY 2021 -	\$30,000	(HSIP)
ALAMANCE	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</u>		FY 2022 -	\$30,000	(HSIP)
GUILFORD	<u>PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
ROCKINGHAM			FY 2021 -	\$180,000	(HSIP)
ORANGE			FY 2022 -	\$180,000	(HSIP)
PROJ.CATEGORY				<u>\$630,000</u>	
STATEWIDE					

**DIVISION 8**

* W-5808DIV	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
CHATHAM	DIVISION 8.		FY 2021 -	\$30,000	(HSIP)
MONTGOMERY	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</u>		FY 2022 -	\$30,000	(HSIP)
MOORE	<u>PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
LEE			FY 2021 -	\$180,000	(HSIP)
RICHMOND			FY 2022 -	\$180,000	(HSIP)
SCOTLAND				<u>\$630,000</u>	
RANDOLPH					
HOKE					
PROJ.CATEGORY					
DIVISION					

\* INDICATES FEDERAL AMENDMENT

Thursday, October 3, 2019

**REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS  
HIGHWAY PROGRAM  
STIP ADDITIONS**

**DIVISION 8**

* W-5808REG	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
LEE	DIVISION 8.		FY 2021 -	\$30,000	(HSIP)
CHATHAM	<u><b>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</b></u>		FY 2022 -	\$30,000	(HSIP)
RANDOLPH	<u><b>PREVIOUSLY PROGRAMMED.</b></u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
MOORE			FY 2021 -	\$180,000	(HSIP)
SCOTLAND			FY 2022 -	<u>\$180,000</u>	(HSIP)
RICHMOND				\$630,000	
HOKE					
MONTGOMERY					
PROJ.CATEGORY					
REGIONAL					

* W-5808SW	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
HOKE	DIVISION 8.		FY 2021 -	\$30,000	(HSIP)
RANDOLPH	<u><b>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</b></u>		FY 2022 -	\$30,000	(HSIP)
LEE	<u><b>PREVIOUSLY PROGRAMMED.</b></u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
RICHMOND			FY 2021 -	\$180,000	(HSIP)
SCOTLAND			FY 2022 -	<u>\$180,000</u>	(HSIP)
CHATHAM				\$630,000	
MOORE					
MONTGOMERY					
PROJ.CATEGORY					
STATEWIDE					

**DIVISION 9**

* W-5809DIV	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
DAVIDSON	DIVISION 9.		FY 2021 -	\$30,000	(HSIP)
FORSYTH	<u><b>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</b></u>		FY 2022 -	\$30,000	(HSIP)
DAVIE	<u><b>PREVIOUSLY PROGRAMMED.</b></u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
ROWAN			FY 2021 -	\$180,000	(HSIP)
STOKES			FY 2022 -	<u>\$180,000</u>	(HSIP)
PROJ.CATEGORY				\$630,000	
DIVISION					

\* INDICATES FEDERAL AMENDMENT

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

## HIGHWAY PROGRAM

## STIP ADDITIONS

**DIVISION 9**

* W-5809REG	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
ROWAN	DIVISION 9.		FY 2021 -	\$30,000	(HSIP)
FORSYTH	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</u>		FY 2022 -	\$30,000	(HSIP)
DAVIE	<u>PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
DAVIDSON			FY 2021 -	\$180,000	(HSIP)
STOKES			FY 2022 -	<u>\$180,000</u>	(HSIP)
PROJ.CATEGORY				\$630,000	
REGIONAL					

* W-5809SW	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
DAVIDSON	DIVISION 9.		FY 2021 -	\$30,000	(HSIP)
FORSYTH	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</u>		FY 2022 -	\$30,000	(HSIP)
ROWAN	<u>PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
STOKES			FY 2021 -	\$180,000	(HSIP)
DAVIE			FY 2022 -	<u>\$180,000</u>	(HSIP)
PROJ.CATEGORY				\$630,000	
STATEWIDE					

**DIVISION 10**

* W-5810DIV	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
ANSON	DIVISION 10.		FY 2021 -	\$30,000	(HSIP)
UNION	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</u>		FY 2022 -	\$30,000	(HSIP)
STANLY	<u>PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
MECKLENBURG			FY 2021 -	\$180,000	(HSIP)
CABARRUS			FY 2022 -	<u>\$180,000</u>	(HSIP)
PROJ.CATEGORY				\$630,000	
DIVISION					

\* INDICATES FEDERAL AMENDMENT

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

## HIGHWAY PROGRAM

## STIP ADDITIONS

**DIVISION 10**

* W-5810REG	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
ANSON	DIVISION 10.		FY 2021 -	\$30,000	(HSIP)
CABARRUS	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</u>		FY 2022 -	\$30,000	(HSIP)
UNION	<u>PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
STANLY			FY 2021 -	\$180,000	(HSIP)
MECKLENBURG			FY 2022 -	<u>\$180,000</u>	(HSIP)
PROJ.CATEGORY				\$630,000	
REGIONAL					

* W-5810SW	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$40,000	(HSIP)
ANSON	DIVISION 10.		FY 2021 -	\$40,000	(HSIP)
CABARRUS	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</u>		FY 2022 -	\$40,000	(HSIP)
MECKLENBURG	<u>PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 -	\$240,000	(HSIP)
UNION			FY 2021 -	\$240,000	(HSIP)
STANLY			FY 2022 -	<u>\$240,000</u>	(HSIP)
PROJ.CATEGORY				\$840,000	
STATEWIDE					

**DIVISION 11**

* W-5811DIV	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
WILKES	DIVISION 11.		FY 2021 -	\$30,000	(HSIP)
WATAUGA	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</u>		FY 2022 -	\$30,000	(HSIP)
SURRY	<u>PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
CALDWELL			FY 2021 -	\$180,000	(HSIP)
ASHE			FY 2022 -	<u>\$180,000</u>	(HSIP)
ALLEGHANY				\$630,000	
YADKIN					
AVERY					
PROJ.CATEGORY					
DIVISION					

\* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS  
HIGHWAY PROGRAM  
STIP ADDITIONS**

**DIVISION 11**

* W-5811REG	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
CALDWELL	DIVISION 11.		FY 2021 -	\$30,000	(HSIP)
YADKIN	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</u>		FY 2022 -	\$30,000	(HSIP)
ASHE	<u>PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
ALLEGHANY			FY 2021 -	\$180,000	(HSIP)
SURRY			FY 2022 -	\$180,000	(HSIP)
WILKES				<u>\$630,000</u>	
WATAUGA					
AVERY					
PROJ.CATEGORY					
REGIONAL					

* W-5811SW	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$40,000	(HSIP)
SURRY	DIVISION 11.		FY 2021 -	\$40,000	(HSIP)
WATAUGA	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</u>		FY 2022 -	\$40,000	(HSIP)
WILKES	<u>PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 -	\$240,000	(HSIP)
CALDWELL			FY 2021 -	\$240,000	(HSIP)
ASHE			FY 2022 -	\$240,000	(HSIP)
YADKIN				<u>\$840,000</u>	
AVERY					
ALLEGHANY					
PROJ.CATEGORY					
STATEWIDE					

**DIVISION 12**

* EB-6038	HICKORY - 9TH STREET NW & 11TH STREET NW MULTI-	ENGINEERING	FY 2020 -	\$1,764,205	(O)
CATAWBA	USE TRAIL & US 321 MULTI-USE, CONSTRUCT MULTI-		FY 2020 -	\$288,214	(L)
PROJ.CATEGORY	USE TRAIL FROM OLD LENOIR ROAD MULTI-USE TO	RIGHT-OF-WAY	FY 2020 -	\$238,226	(O)
EXEMPT	HICKORY REGIONAL AIRPORT ALONG CLEMENT		FY 2020 -	\$259,302	(L)
	BOULEVARD, 13TH AVENUE DRIVE NW, AND 19TH	CONSTRUCTION	FY 2020 -	\$754,509	(O)
	STREET LANE NW (INCLUDES CONSTRUCTION OF		FY 2020 -	\$206,282	(L)
	BIKE/PED BRIDGE OVER US 321), AND CONSTRUCT		FY 2021 -	\$4,778,556	(O)
	MULTI-USE TRAIL FROM 9TH STREET NW ALONG MAIN		FY 2021 -	\$1,306,451	(L)
	AVENUE NW TO 11TH STREET NW AND ALONG 11TH		FY 2022 -	\$4,778,556	(O)
	STREET NW TO OLD LENOIR ROAD.		FY 2022 -	\$1,306,451	(L)
	<u>PROJECT ADDED AT REQUEST OF MPO. FEDERAL</u>		FY 2023 -	\$4,778,556	(O)
	<u>BUILD GRANT PROJECT.</u>		FY 2023 -	\$1,306,451	(L)
				<u>\$21,765,759</u>	

\* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS  
HIGHWAY PROGRAM  
STIP ADDITIONS**

**DIVISION 12**

* W-5812DIV	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
IREDELL	DIVISION 12.		FY 2021 -	\$30,000	(HSIP)
CATAWBA	<u><b>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</b></u>		FY 2022 -	\$30,000	(HSIP)
LINCOLN	<u><b>PREVIOUSLY PROGRAMMED.</b></u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
CLEVELAND			FY 2021 -	\$180,000	(HSIP)
GASTON			FY 2022 -	<u>\$180,000</u>	(HSIP)
ALEXANDER				\$630,000	
PROJ.CATEGORY					
DIVISION					

* W-5812REG	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
CLEVELAND	DIVISION 12.		FY 2021 -	\$30,000	(HSIP)
GASTON	<u><b>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</b></u>		FY 2022 -	\$30,000	(HSIP)
ALEXANDER	<u><b>PREVIOUSLY PROGRAMMED.</b></u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
IREDELL			FY 2021 -	\$180,000	(HSIP)
LINCOLN			FY 2022 -	<u>\$180,000</u>	(HSIP)
CATAWBA				\$630,000	
PROJ.CATEGORY					
REGIONAL					

* W-5812SW	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$40,000	(HSIP)
IREDELL	DIVISION 12.		FY 2021 -	\$40,000	(HSIP)
LINCOLN	<u><b>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</b></u>		FY 2022 -	\$40,000	(HSIP)
CLEVELAND	<u><b>PREVIOUSLY PROGRAMMED.</b></u>	CONSTRUCTION	FY 2020 -	\$240,000	(HSIP)
GASTON			FY 2021 -	\$240,000	(HSIP)
CATAWBA			FY 2022 -	<u>\$240,000</u>	(HSIP)
ALEXANDER				\$840,000	
PROJ.CATEGORY					
STATEWIDE					

\* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS  
HIGHWAY PROGRAM  
STIP ADDITIONS**

**DIVISION 13**

* W-5813DIV	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
MADISON	DIVISION 13		FY 2021 -	\$30,000	(HSIP)
MITCHELL	.		FY 2022 -	\$30,000	(HSIP)
YANCEY	<u><b>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</b></u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
McDOWELL	<u><b>PREVIOUSLY PROGRAMMED.</b></u>		FY 2021 -	\$180,000	(HSIP)
RUTHERFORD			FY 2022 -	<u>\$180,000</u>	(HSIP)
BUNCOMBE				\$630,000	
BURKE					
PROJ.CATEGORY					
DIVISION					

* W-5813REG	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
BURKE	DIVISION 13		FY 2021 -	\$30,000	(HSIP)
BUNCOMBE	.		FY 2022 -	\$30,000	(HSIP)
MADISON	<u><b>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</b></u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
RUTHERFORD	<u><b>PREVIOUSLY PROGRAMMED.</b></u>		FY 2021 -	\$180,000	(HSIP)
MITCHELL			FY 2022 -	<u>\$180,000</u>	(HSIP)
McDOWELL				\$630,000	
YANCEY					
PROJ.CATEGORY					
REGIONAL					

* W-5813SW	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$40,000	(HSIP)
YANCEY	DIVISION 13.		FY 2021 -	\$40,000	(HSIP)
RUTHERFORD	<u><b>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</b></u>		FY 2022 -	\$40,000	(HSIP)
McDOWELL	<u><b>PREVIOUSLY PROGRAMMED.</b></u>	CONSTRUCTION	FY 2020 -	\$240,000	(HSIP)
MITCHELL			FY 2021 -	\$240,000	(HSIP)
BURKE			FY 2022 -	<u>\$240,000</u>	(HSIP)
MADISON				\$840,000	
BUNCOMBE					
PROJ.CATEGORY					
STATEWIDE					

\* INDICATES FEDERAL AMENDMENT



**REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS  
HIGHWAY PROGRAM  
STIP ADDITIONS**

**DIVISION 14**

* W-5814DIV	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
POLK	DIVISION 14.		FY 2021 -	\$30,000	(HSIP)
HENDERSON	<u><b>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</b></u>		FY 2022 -	\$30,000	(HSIP)
CLAY	<u><b>PREVIOUSLY PROGRAMMED.</b></u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
GRAHAM			FY 2021 -	\$180,000	(HSIP)
HAYWOOD			FY 2022 -	<u>\$180,000</u>	(HSIP)
CHEROKEE				\$630,000	
MACON					
TRANSYLVANIA					
SWAIN					
JACKSON					
PROJ.CATEGORY					
DIVISION					

* W-5814REG	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$30,000	(HSIP)
GRAHAM	DIVISION 14.		FY 2021 -	\$30,000	(HSIP)
CLAY	<u><b>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</b></u>		FY 2022 -	\$30,000	(HSIP)
CHEROKEE	<u><b>PREVIOUSLY PROGRAMMED.</b></u>	CONSTRUCTION	FY 2020 -	\$180,000	(HSIP)
MACON			FY 2021 -	\$180,000	(HSIP)
POLK			FY 2022 -	<u>\$180,000</u>	(HSIP)
TRANSYLVANIA				\$630,000	
HAYWOOD					
HENDERSON					
SWAIN					
JACKSON					
PROJ.CATEGORY					
REGIONAL					

\* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS  
HIGHWAY PROGRAM  
STIP ADDITIONS**

**DIVISION 14**

* W-5814SW	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN	RIGHT-OF-WAY	FY 2020 -	\$40,000	(HSIP)
MACON	DIVISION 14.		FY 2021 -	\$40,000	(HSIP)
CLAY	<u>ADD RIGHT-OF-WAY AND CONSTRUCTION NOT</u>		FY 2022 -	\$40,000	(HSIP)
HAYWOOD	<u>PREVIOUSLY PROGRAMMED.</u>	CONSTRUCTION	FY 2020 -	\$240,000	(HSIP)
TRANSYLVANIA			FY 2021 -	\$240,000	(HSIP)
SWAIN			FY 2022 -	\$240,000	(HSIP)
POLK				<u>\$840,000</u>	
GRAHAM					
CHEROKEE					
HENDERSON					
JACKSON					
PROJ.CATEGORY					
STATEWIDE					

**STATEWIDE**

* W-5715DIV	VARIOUS, SIGNAL RETIMING TO IMPROVE SAFETY.	ENGINEERING	FY 2020 -	\$450,000	(HSIP)
STATEWIDE	<u>PROJECT ADDED AT REQUEST OF TRANSPORTATION</u>		FY 2021 -	\$450,000	(HSIP)
PROJ.CATEGORY	<u>MOBILITY AND SAFETY DIVISION.</u>		FY 2022 -	\$450,000	(HSIP)
DIVISION			FY 2023 -	\$450,000	(HSIP)
			FY 2024 -	\$450,000	(HSIP)
			FY 2025 -	\$450,000	(HSIP)
			FY 2026 -	\$450,000	(HSIP)
			FY 2027 -	\$450,000	(HSIP)
			FY 2028 -	\$450,000	(HSIP)
			FY 2029 -	\$450,000	(HSIP)
				<u>\$4,500,000</u>	

* W-5715REG	VARIOUS, SIGNAL RETIMING TO IMPROVE SAFETY.	ENGINEERING	FY 2020 -	\$450,000	(HSIP)
STATEWIDE	<u>PROJECT ADDED AT REQUEST OF TRANSPORTATION</u>		FY 2021 -	\$450,000	(HSIP)
PROJ.CATEGORY	<u>MOBILITY AND SAFETY DIVISION.</u>		FY 2022 -	\$450,000	(HSIP)
REGIONAL			FY 2023 -	\$450,000	(HSIP)
			FY 2024 -	\$450,000	(HSIP)
			FY 2025 -	\$450,000	(HSIP)
			FY 2026 -	\$450,000	(HSIP)
			FY 2027 -	\$450,000	(HSIP)
			FY 2028 -	\$450,000	(HSIP)
			FY 2029 -	\$450,000	(HSIP)
				<u>\$4,500,000</u>	

\* INDICATES FEDERAL AMENDMENT

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

## HIGHWAY PROGRAM

## STIP ADDITIONS

## STATEWIDE

* W-5715SW	VARIOUS, SIGNAL RETIMING TO IMPROVE SAFETY.	ENGINEERING	FY 2020 -	\$600,000	(HSIP)
STATEWIDE	<u>PROJECT ADDED AT REQUEST OF TRANSPORTATION</u>		FY 2021 -	\$600,000	(HSIP)
PROJ.CATEGORY	<u>MOBILITY AND SAFETY DIVISION.</u>		FY 2022 -	\$600,000	(HSIP)
STATEWIDE			FY 2023 -	\$600,000	(HSIP)
			FY 2024 -	\$600,000	(HSIP)
			FY 2025 -	\$600,000	(HSIP)
			FY 2026 -	\$600,000	(HSIP)
			FY 2027 -	\$600,000	(HSIP)
			FY 2028 -	\$600,000	(HSIP)
			FY 2029 -	\$600,000	(HSIP)
				<u>\$6,000,000</u>	

* W-5716DIV	VARIOUS, SAFETY MANAGEMENT PROGRAM,	ENGINEERING	FY 2020 -	\$1,650,000	(HSIP)
STATEWIDE	PROJECT IDENTIFICATION, ANALYSIS AND		FY 2021 -	\$1,650,000	(HSIP)
PROJ.CATEGORY	PRELIMINARY ENGINEERING.		FY 2022 -	\$1,650,000	(HSIP)
DIVISION	<u>PROJECT ADDED AT REQUEST OF TRANSPORTATION</u>		FY 2023 -	\$1,650,000	(HSIP)
	<u>MOBILITY AND SAFETY DIVISION.</u>		FY 2024 -	\$1,650,000	(HSIP)
			FY 2025 -	\$1,650,000	(HSIP)
			FY 2026 -	\$1,650,000	(HSIP)
			FY 2027 -	\$1,650,000	(HSIP)
			FY 2028 -	\$1,650,000	(HSIP)
			FY 2029 -	\$1,650,000	(HSIP)
				<u>\$16,500,000</u>	

* W-5716REG	VARIOUS, SAFETY MANAGEMENT PROGRAM,	ENGINEERING	FY 2020 -	\$1,650,000	(HSIP)
STATEWIDE	PROJECT IDENTIFICATION, ANALYSIS AND		FY 2021 -	\$1,650,000	(HSIP)
PROJ.CATEGORY	PRELIMINARY ENGINEERING.		FY 2022 -	\$1,650,000	(HSIP)
REGIONAL	<u>PROJECT ADDED AT REQUEST OF TRANSPORTATION</u>		FY 2023 -	\$1,650,000	(HSIP)
	<u>MOBILITY AND SAFETY DIVISION.</u>		FY 2024 -	\$1,650,000	(HSIP)
			FY 2025 -	\$1,650,000	(HSIP)
			FY 2026 -	\$1,650,000	(HSIP)
			FY 2027 -	\$1,650,000	(HSIP)
			FY 2028 -	\$1,650,000	(HSIP)
			FY 2029 -	\$1,650,000	(HSIP)
				<u>\$16,500,000</u>	

* W-5716SW	VARIOUS, SAFETY MANAGEMENT PROGRAM,	ENGINEERING	FY 2020 -	\$2,200,000	(HSIP)
STATEWIDE	PROJECT IDENTIFICATION, ANALYSIS AND		FY 2021 -	\$2,200,000	(HSIP)
PROJ.CATEGORY	PRELIMINARY ENGINEERING.		FY 2022 -	\$2,200,000	(HSIP)
STATEWIDE	<u>PROJECT ADDED AT REQUEST OF TRANSPORTATION</u>		FY 2023 -	\$2,200,000	(HSIP)
	<u>MOBILITY AND SAFETY DIVISION.</u>		FY 2024 -	\$2,200,000	(HSIP)
			FY 2025 -	\$2,200,000	(HSIP)
			FY 2026 -	\$2,200,000	(HSIP)
			FY 2027 -	\$2,200,000	(HSIP)
			FY 2028 -	\$2,200,000	(HSIP)
			FY 2029 -	\$2,200,000	(HSIP)
				<u>\$22,000,000</u>	

\* INDICATES FEDERAL AMENDMENT

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

## HIGHWAY PROGRAM

## STIP ADDITIONS

## STATEWIDE

* W-5717DIV	VARIOUS, HIGHWAY SYSTEM DATA COLLECTION.	ENGINEERING	FY 2020 -	\$150,000	(HSIP)
STATEWIDE	<u>PROJECT ADDED AT REQUEST OF TRANSPORTATION</u>		FY 2021 -	\$150,000	(HSIP)
PROJ.CATEGORY	<u>MOBILITY AND SAFETY DIVISION.</u>		FY 2022 -	\$150,000	(HSIP)
DIVISION			FY 2023 -	\$150,000	(HSIP)
			FY 2024 -	\$150,000	(HSIP)
			FY 2025 -	\$150,000	(HSIP)
			FY 2026 -	\$150,000	(HSIP)
			FY 2027 -	\$150,000	(HSIP)
			FY 2028 -	\$150,000	(HSIP)
			FY 2029 -	\$150,000	(HSIP)
				\$1,500,000	

* W-5717REG	VARIOUS, HIGHWAY SYSTEM DATA COLLECTION.	ENGINEERING	FY 2020 -	\$150,000	(HSIP)
STATEWIDE	<u>PROJECT ADDED AT REQUEST OF TRANSPORTATION</u>		FY 2021 -	\$150,000	(HSIP)
PROJ.CATEGORY	<u>MOBILITY AND SAFETY DIVISION.</u>		FY 2022 -	\$150,000	(HSIP)
REGIONAL			FY 2023 -	\$150,000	(HSIP)
			FY 2024 -	\$150,000	(HSIP)
			FY 2025 -	\$150,000	(HSIP)
			FY 2026 -	\$150,000	(HSIP)
			FY 2027 -	\$150,000	(HSIP)
			FY 2028 -	\$150,000	(HSIP)
			FY 2029 -	\$150,000	(HSIP)
				\$1,500,000	

* W-5717SW	VARIOUS, HIGHWAY SYSTEM DATA COLLECTION.	ENGINEERING	FY 2020 -	\$200,000	(HSIP)
STATEWIDE	<u>PROJECT ADDED AT REQUEST OF TRANSPORTATION</u>		FY 2021 -	\$200,000	(HSIP)
PROJ.CATEGORY	<u>MOBILITY AND SAFETY DIVISION.</u>		FY 2022 -	\$200,000	(HSIP)
STATEWIDE			FY 2023 -	\$200,000	(HSIP)
			FY 2024 -	\$200,000	(HSIP)
			FY 2025 -	\$200,000	(HSIP)
			FY 2026 -	\$200,000	(HSIP)
			FY 2027 -	\$200,000	(HSIP)
			FY 2028 -	\$200,000	(HSIP)
			FY 2029 -	\$200,000	(HSIP)
				\$2,000,000	

## STIP MODIFICATIONS

## DIVISION 4

B-5980	SR 1522 (HALIFAX ROAD), REPLACE BRIDGE 630203	RIGHT-OF-WAY	FY 2020 -	\$2,000,000	(NHPB)
NASH	OVER I-95.	CONSTRUCTION	FY 2020 -	\$17,700,000	(NHPB)
PROJ.CATEGORY	<u>TO STRATEGICALLY BALANCE LETTINGS, DELAY</u>			\$19,700,000	
STATEWIDE	<u>CONSTRUCTION FROM FY 19 TO FY 20.</u>				

\* INDICATES FEDERAL AMENDMENT

Thursday, October 3, 2019

**REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS  
HIGHWAY PROGRAM  
STIP MODIFICATIONS**

**DIVISION 5**

EB-6019 WAKE PROJ.CATEGORY DIVISION	SR 1306 (LAURA DUNCAN ROAD), APEX COMMUNITY PARK AND NORTH SALEM STREET IN APEX. IMPROVE SAFETY OF PEDESTRIAN CROSSING. <u>TO REFLECT CURRENT CITY DELIVERY SCHEDULE, DELAY CONSTRUCTION FROM FY 20 TO FY 21.</u>	CONSTRUCTION	FY 2021 - \$388,000 (BGDA) FY 2021 - <u>\$166,000</u> (L) \$554,000
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EB-6021 WAKE PROJ.CATEGORY DIVISION	BEAVER CREEK GREENWAY EXTENSION, KELLY ROAD PARK TO APEX NATURE PARK IN APEX. GREENWAY EXTENSION. REALIGN ADJACENT SEGMENT OF EXISTING BEAVER CREEK GREENWAY. <u>TO REFLECT CURRENT CITY DELIVERY SCHEDULE, DELAY CONSTRUCTION FROM FY 20 TO FY 21.</u>	CONSTRUCTION	FY 2021 - \$1,053,000 (TADA) FY 2021 - <u>\$5,512,000</u> (L) \$6,565,000
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U-6225 WAKE PROJ.CATEGORY DIVISION	SR 2700 (WHITE OAK RD), SR 2709 (ACKERMAN RD), SR 2547 (HEBRON CHURCH RD) AND SR 2700 (WHITE OAK RD) IN GARNER IMPROVE INTERSECTION. ADD MULTILANE ROUNDABOUT. <u>TO REFLECT CURRENT CITY DELIVERY SCHEDULE, DELAY CONSTRUCTION FROM FY 20 TO FY 21.</u>	RIGHT-OF-WAY  CONSTRUCTION	FY 2020 - \$56,000 (BGDA) FY 2020 - \$19,000 (L) FY 2021 - \$1,560,000 (BGDA) FY 2021 - <u>\$520,000</u> (L) \$2,155,000
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**DIVISION 7**

TD-5279 GUILFORD PROJ.CATEGORY DIVISION	GREENSBORO TRANSIT AUTHORITY, RENOVATION OF J. DOUGLAS GAYLON DEPOT <u>TO REFLECT CURRENT CITY DELIVERY SCHEDULE, DELAY CONSTRUCTION FROM FY 19 TO FY 20.</u>	CAPITAL	FY 2020 - \$270,000 (T) FY 2020 - \$270,000 (L) FY 2020 - \$960,000 (FBUS) \$1,500,000
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**DIVISION 9**

I-5952A FORSYTH PROJ.CATEGORY STATEWIDE	I-40, BRIDGE REHABILITATION. <u>PROJECT TO BE LET WITH I-5795. TO ALLOW TIME TO COMPLETE A REVISED PLANNING DOCUMENT, DELAY CONSTRUCTION FROM FY 20 TO FY 21 AT REQUEST OF DIVISION OFFICE.</u>	CONSTRUCTION	FY 2021 - <u>\$2,516,000</u> (NHPIM) \$2,516,000
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\* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS  
HIGHWAY PROGRAM  
STIP MODIFICATIONS**

**DIVISION 10**

U-4714B	SR 1009 (JOHN STREET-OLD MONROE ROAD), WEST	RIGHT-OF-WAY	FY 2020 -	\$8,200,000	(BGANY)
UNION	OF MORNINGSIDE MEADOW LANE TO EAST OF SR		FY 2020 -	\$10,000,000	(O)
PROJ.CATEGORY	1377 (WESLEY CHAPEL-STOUTS ROAD)		FY 2021 -	\$8,200,000	(BGANY)
DIVISION	<u><b>TO ALLOW TIME FOR PROJECT TO BE EVALUATED THROUGH CRTPO'S DISCRETIONARY PROJECTS PROCESS, DELAY RIGHT-OF-WAY FROM FY 19 TO FY 20.</b></u>	BUILD NC CONST	FY 2022 -	\$1,716,000	(T)
			FY 2023 -	\$1,716,000	(T)
			FY 2024 -	\$1,716,000	(T)
			FY 2025 -	\$1,716,000	(T)
			FY 2026 -	\$1,716,000	(T)
			FY 2027 -	\$1,716,000	(T)
			FY 2028 -	\$1,716,000	(T)
			FY 2029 -	\$1,716,000	(T)
			POST YR-	\$12,012,000	(T)
		CONSTRUCTION	FY 2022 -	\$400,000	(T)
			FY 2023 -	\$400,000	(T)
			FY 2024 -	\$400,000	(T)
				\$53,340,000	

U-5987	INDIAN TRAIL, UNIONVILLE-INDIAN TRAIL ROAD AND	CONSTRUCTION	FY 2020 -	\$1,680,000	(CMAQ)
UNION	SARDIS ROAD. CONSTRUCT INTERSECTION		FY 2020 -	\$560,000	(L)
PROJ.CATEGORY	IMPROVEMENTS.			\$2,240,000	
DIVISION	<u><b>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN DELAY CONSTRUCTION FROM FY 19 TO FY 20</b></u>				

**DIVISION 12**

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>ACCELERATE CONSTRUCTION FROM FY 21 TO FY 20 AT REQUEST OF MPO</b></u>				

**DIVISION 13**

B-5876	US 74, REPLACE BRIDGE 800083 AND BRIDGE 800084	CONSTRUCTION	FY 2021 -	\$4,950,000	(BGLT5)
RUTHERFORD	OVER SECOND BROAD RIVER.		FY 2022 -	\$4,950,000	(BGLT5)
PROJ.CATEGORY	<u><b>TO ALLOW ADDITIONAL TIME FOR DESIGN DELAY CONSTRUCTION FROM FY 20 TO FY 21</b></u>			\$9,900,000	
STATEWIDE					

B-6015	SR 1913 (SUGAR LOAF ROAD), REPLACE BRIDGE	RIGHT-OF-WAY	FY 2021 -	\$100,000	(BGOFF)
BURKE	110237 OVER ROCK CREEK.	CONSTRUCTION	FY 2021 -	\$700,000	(BGOFF)
PROJ.CATEGORY	<u><b>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN DELAY RIGHT-OF-WAY FROM FY 20 TO FY 21 AND CONSTRUCTION FROM FY 20 TO FY 21</b></u>			\$800,000	
DIVISION					

\* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS  
HIGHWAY PROGRAM  
STIP MODIFICATIONS**

**DIVISION 13**

B-6018	SR 1296 (BROOKS BRANCH ROAD), REPLACE BRIDGE	RIGHT-OF-WAY	FY 2021 -	\$55,000	(BGOFF)
BUNCOMBE	100536 OVER NEWFOUND CREEK.	CONSTRUCTION	FY 2021 -	\$700,000	(BGOFF)
PROJ.CATEGORY	<u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND</u>			\$755,000	
DIVISION	<u>DESIGN DELAY RIGHT-OF-WAY FROM FY 20 TO FY 21</u>				
	<u>AND CONSTRUCTION FROM FY 20 TO FY 21</u>				
EB-5978	COLLEGE STREET MULTIMODAL CONNECTOR, NORTH	RIGHT-OF-WAY	FY 2020 -	\$80,000	(TAANY)
BURKE	GREEN STREET TO US 70 IN MORGANTON.		FY 2020 -	\$20,000	(L)
PROJ.CATEGORY	CONSTRUCT MULTI-USE PATH.	CONSTRUCTION	FY 2021 -	\$2,320,000	(TAANY)
DIVISION	<u>TO ALLOW ADDITIONAL TIME FOR DESIGN DELAY</u>		FY 2021 -	\$580,000	(L)
	<u>CONSTRUCTION FROM FY 20 TO FY 21</u>			\$3,000,000	
* I-4400C	I-26, US 25 BUSINESS (EXIT 44) TO NC 280 (EXIT 40)	GARVEE CONSTR	FY 2020 -	\$4,290,000	(NHP)
HENDERSON	<u>GARVEE BOND FUNDING - SEGMENT C: \$50,000,000</u>		FY 2021 -	\$4,290,000	(NHP)
BUNCOMBE	<u>FOR CONSTRUCTION, PAYBACK FY 2019-2033.</u>		FY 2022 -	\$4,290,000	(NHP)
PROJ.CATEGORY			FY 2023 -	\$4,290,000	(NHP)
REGIONAL			FY 2024 -	\$4,290,000	(NHP)
			FY 2025 -	\$4,290,000	(NHP)
			FY 2026 -	\$4,290,000	(NHP)
			FY 2027 -	\$4,290,000	(NHP)
			FY 2028 -	\$4,290,000	(NHP)
			FY 2029 -	\$4,290,000	(NHP)
			POST YR-	\$17,160,000	(NHP)
				\$60,060,000	
I-6063	I-40, MILEMARKER 50 TO MILEMARKER 55. PAVEMENT	GARVEE CONSTR	FY 2020 -	\$901,000	(NHPIM)
BUNCOMBE	REHABILITATION.		FY 2021 -	\$901,000	(NHPIM)
PROJ.CATEGORY	<u>TO ASSIST WITH BALANCING FUNDS, DELAY</u>		FY 2022 -	\$901,000	(NHPIM)
STATEWIDE	<u>CONSTRUCTION FROM FY 19 TO FY 20</u>		FY 2023 -	\$901,000	(NHPIM)
			FY 2024 -	\$901,000	(NHPIM)
			FY 2025 -	\$901,000	(NHPIM)
			FY 2026 -	\$901,000	(NHPIM)
			FY 2027 -	\$901,000	(NHPIM)
			FY 2028 -	\$901,000	(NHPIM)
			FY 2029 -	\$901,000	(NHPIM)
			POST YR-	\$4,505,000	(NHPIM)
		CONSTRUCTION	FY 2020 -	\$1,000,000	(NHPIM)
			FY 2020 -	\$1,750,000	(S(M))
			FY 2021 -	\$1,750,000	(S(M))
				\$18,015,000	

\* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS  
HIGHWAY PROGRAM  
STIP MODIFICATIONS**

**DIVISION 14**

R-5839BA	NC 28, SWAIN/GRAHAM COUNTY LINE AT LITTLE	RIGHT-OF-WAY	FY 2022 -	\$70,000	(T)
GRAHAM	TENNESSEE RIVER TO WOODS ROAD AT FONTANA	UTILITIES	FY 2022 -	\$20,000	(T)
PROJ.CATEGORY	DAM VILLAGE. UPGRADE ROADWAY.	BUILD NC CONST	FY 2025 -	\$5,828,000	(T)
DIVISION	<u><b>ACCELERATE CONSTRUCTION FROM FY 26 TO FY 25.</b></u>		FY 2026 -	\$5,828,000	(T)
			FY 2027 -	\$5,828,000	(T)
			FY 2028 -	\$5,828,000	(T)
			FY 2029 -	\$5,828,000	(T)
			POST YR-	\$58,280,000	(T)
		CONSTRUCTION	FY 2025 -	\$593,000	(T)
			FY 2026 -	\$593,000	(T)
			FY 2027 -	\$593,000	(T)
			FY 2028 -	\$593,000	(T)
				<u>\$89,882,000</u>	

R-5843	SR 1321 (BRYSON WALK), SR 1336 (DEPOT STREET),	CONSTRUCTION	FY 2021 -	\$470,000	(T)
SWAIN	SR 1323 (SLOPE STREET) TO SR 1336 (DEEP CREEK			\$470,000	
PROJ.CATEGORY	ROAD). IMPROVE INTERSECTIONS.				
DIVISION	<u><b>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN DELAY CONSTRUCTION FROM FY 20 TO FY 21</b></u>				

**STIP DELETIONS****DIVISION 10**

C-5159	ROXIE STREET, NC 3 AND DALE EARNHARDT	ENGINEERING	FY 2019 -	\$108,000	(CMAQ)
CABARRUS	BOULEVARD IN KANNAPOLIS. STREET		FY 2019 -	\$27,000	(L)
	IMPROVEMENTS.	CONSTRUCTION	FY 2020 -	\$432,000	(CMAQ)
	<u><b>DELETE AT THE REQUEST OF MPO.</b></u>		FY 2020 -	\$108,000	(L)
				<u>\$675,000</u>	

**DIVISION 11**

* U-5603	US 321 (BLOWING ROCK ROAD) TO NC 105 BYPASS.	RIGHT-OF-WAY	FY 2019 -	\$1,100,000	(T)
WATAUGA	UPGRADE ROADWAY.	UTILITIES	FY 2019 -	\$3,000,000	(T)
PROJ.CATEGORY	<u><b>DELETE AT THE REQUEST OF TOWN OF BOONE.</b></u>	CONSTRUCTION	FY 2021 -	\$5,400,000	(T)
DIVISION				\$9,500,000	

* U-5705	NC 105 INTERSECTION. CONSTRUCT UPGRADES.	RIGHT-OF-WAY	FY 2019 -	\$450,000	(T)
WATAUGA	<u><b>DELETE AT THE REQUEST OF TOWN OF BOONE.</b></u>	CONSTRUCTION	FY 2021 -	\$1,900,000	(T)
PROJ.CATEGORY				\$2,350,000	
STATEWIDE					

\* INDICATES FEDERAL AMENDMENT



**REVISIONS TO THE 2018-2027 AND 2020-2029 STIPS  
HIGHWAY PROGRAM  
STIP DELETIONS**

**ITEM N SUMMARY**

ADDITIONS	58 PROJECTS	\$129,965,000
MODIFICATIONS	17 PROJECTS	
DELETIONS	3 PROJECTS	\$12,525,000
	78 PROJECTS	\$117,440,000

\* INDICATES FEDERAL AMENDMENT

**Thursday, October 3, 2019**

NCDOT October 3, 2019 Municipal and Special Agreements

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

Statewide

United States Army  
Corps of Engineers (USACE)  
Wake County

This Supplemental Agreement is for the Department to provide additional funding to accommodate the changing needs and requirements of the Parties and to provide total funding in the amount not to exceed \$3,875,567 to support up to four (4) Project Managers (fully funded) and one (1) Regulatory Program Assistant (RPA) position (fully funded) assigned on a full-time basis.

Division 2

City of Greenville  
Pitt County  
EB-5539  
45529.1.1  
45529.2.F1  
45529.3.F1

This Project consists of construction of a multi-use trail from the western terminus of the existing South Tar River Greenway at Pitt Street to Moye Boulevard. This Supplemental Agreement is to increase funding. The Department shall participate in an additional 80% of eligible expenses up to \$703,191. The Municipality will provide a 20% non-federal match of \$175,798 to the additional funding and in all costs that exceed the total available funding of \$4,716,500.

United States Department of  
Agriculture, Forest Service  
(USFS)  
Craven County  
R-5777C  
44648.1.4

This Category 6 Major Cost Recovery Agreement is for payment of the application fee for the use and occupancy of the National Forest Lands for the Department's R-5777C Project in Craven County on the Croatan National Forest. The Department shall reimburse the USFS the estimated processing fee in the amount of \$42,507.32.

Division 3

North Carolina State Ports  
Authority (Authority)  
New Hanover County  
C-5600BB  
50061.5.2

On July 26, 2017, the Department and the Authority entered into an Agreement wherein the Department agreed to provide operational support to the Authority to operate the Queen City Express Intermodal Service between the Port of Wilmington and the Authority's Charlotte Inland Port. The Department agreed to subsidize the cost of operations by applying \$1,203,995 of CMAQ funding to the cost over a three-year period. This Supplemental Agreement provides for increasing the Department contribution by applying further CMAQ funding in the amount of \$126,163 to offset increased costs for the 2019 Federal Fiscal Year.

NCDOT October 3, 2019 Municipal and Special Agreements

Division 5

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

This Project consists of construction of NC 540 from the NC 55 bypass to east of SR 1152 (Holly Springs Road) on a new location, including betterments for additional future sidewalks and improvements on East Williams Street and Sunset Lake Road. The Municipality shall pay a lump sum of \$513,235 for the betterments.

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

This Project consists of construction of NC 540 from the NC 55 bypass to east of SR 1152 (Holly Springs Road) on a new location, including betterments for additional future sidewalk and bike lane accommodations on Pierce Olive Road Bridge. The Municipality shall pay a lump sum of \$100,625 for the betterments.

Town of Holly Springs  
Wake County  
R-2721A  
37673.3.TA2

This Project consists of construction of NC 540 from the NC 55 bypass to east of SR 1152 (Holly Springs Road) on a new location, including betterments for additional future sidewalks and bike lanes on Sunset Lake Road, Holly Springs Road, Kildaire Farm Road and Pierce Olive Road. The Municipality shall pay a lump sum of \$308,217 for the betterments.

Town of Cary  
Wake County  
U-5501A  
45488.2.3  
45488.3.1

This Project consists of widening SR 1650 (Reedy Creek Road) from North Harrison Avenue to NE Maynard Road, including betterments for pedestrian and bicycle enhancements. This Supplemental Agreement is to increase funding. The Department shall reimburse eligible expenses up to \$9,449,629. The Municipality shall provide a non-federal match of \$5,137,407 and all costs that exceed the total available funding of \$14,587,036.

Town of Cary  
Wake County  
I-5700  
50118.3.GV1

This Project is to revise and widen the existing I-40 Interchange at SR 3015 (Airport Boulevard) and construct an auxiliary lane on I-40 westbound from Airport Boulevard to I-540. This Utility Construction Agreement is to include provisions in the construction contract for the contractor to adjust and/or relocate municipally owned utility lines. The Municipality shall reimburse the Department the entire cost of said utility work. The estimated cost to the Municipality is \$1,493,501.

NCDOT October 3, 2019 Municipal and Special Agreements

Division 5, cont.

Raleigh Durham Airport  
Authority  
Wake County  
I-5700  
50118.3.GV1

This Project consists of the removal and replacement of a 100' High Mast Light Pole, owned by the Raleigh Durham Airport Authority, on Airport Boulevard in conjunction with Project I-5700. The Department shall be responsible for planning, design and construction. The Authority shall reimburse the Department 100% of the actual cost of all work performed by the Department. The estimated reimbursement is \$9,000. The Authority shall be responsible for providing continuing electrical service and payment of monthly bills, at no expense to the Department.

CSX Transportation, Inc.  
(CSXT)  
City of Raleigh  
Wake County  
P-5715  
46927.1.1

On February 15, 2019, the Department and CSXT entered into a Crossing Closure Agreement for the permanent closure of the at-grade railroad crossing of New Hope Church Road (SR 2034), Crossing # 630 607N, Milepost S 1152.32. New Hope Church Road is now a municipal street therefore, the Municipality was added as a party to the Crossing Closure Agreement. This Agreement will supersede the previous agreement, executed on February 15, 2019. CSXT shall perform all work within the railroad right-of-way. The Department shall perform all work outside of the railroad right-of-way and the Municipality shall maintain the improvements. The total estimated cost of the overall project (crossing and grade separation) is \$10,700,000.

North Carolina State  
University, Clean Energy  
Technology Center (CETC)  
Wake County  
C-5601F and G  
50062.5.1

This Project consists of the development and operation of a clean fuel advanced technology outreach and awareness program, including sub-awards for projects in eligible counties in North Carolina. The Project will be administered by the Clean Energy Technology Center (CETC) at NC State University. The Department shall reimburse 80% from CMAQ funds, not to exceed \$2,335,132. The CETC will be responsible for the 20% (\$583,783) non-federal match for the CMAQ funds authorized and all costs that exceed the total available funding of \$2,918,915.

Division 7

City of Mebane  
Norfolk Southern Railroad  
(NS)  
North Carolina Railroad  
Company (NCRR)  
Alamance County  
Y-5500GC  
80000.2.2.7

This Rail Agreement provides for the implementation of the near-term and mid-term rail safety recommendations of the Mebane Traffic Separation Study executed by the Department and the Municipality on June 4, 2018. The Department will prepare the project plans and the environmental documentation and construct the improvements outside of the railroad right-of-way. NS shall perform all work within their right-of-way. The estimated project cost is \$1,000,000.

October 3, 2019

NCDOT October 3, 2019 Municipal and Special Agreements

Division 7, cont.

City of Greensboro  
Guilford County  
17BP.7.R.116

This Project consists of replacing Bridge No. 224 over South Buffalo Creek on SR 3000 (McConnell Road). This Utility Construction Agreement is to include provisions in the construction contract for the contractor to adjust and/or relocate municipally owned water lines. The Municipality shall reimburse the Department the entire cost of said utility work. The estimated reimbursement is \$623,268.

City of Mebane  
Alamance County  
47786

This Project consists of intersection improvements on SR 1007 (Mebane Oaks Road) and SR 2126/SR 2128 (Old Hillsborough Road) adding left and right turn lanes, widening radii, traffic signals, pavement markings and resurfacing. This Agreement is for hydrant/water extensions and sewer adjustments performed by the Municipality. The Department will pay an amount not to exceed \$15,000 for the work.

Division 9

Egger Wood Products, LLC  
(Grantee)  
Davidson County  
80000.3.1.18

This Rail Agreement provides for the approval of Freight Rail and Rail Crossing Safety Improvement (FRRCSI) funds for the construction of a rail industrial access spur and switching yard that will serve the Grantee. The Grantee will be responsible for performing the work. The Department will participate in the total cost of the project up to \$400,000. The estimated cost of the project is \$1,703,957.

Division 10

Town of Badin  
Stanly County  
R-5790JF  
44920.3.14

This Project consists of the installation of ADA compliant curb ramps and upgrades to non-compliant curb ramps along various streets in Badin. The Department will perform the work. The Municipality will provide a 20% non-federal match of \$24,400 for the work performed on the non-system routes. The estimated cost of the project is \$122,000.

Town of Matthews  
Mecklenburg County  
48774

This Project consists of improvements to Crestdale Road to include widening, repair, pedestrian and safety upgrades. The Municipality will perform the work. The Department shall participate in the costs of the project not to exceed \$125,000. The estimated cost of the project is \$250,000.

NCDOT October 3, 2019 Municipal and Special Agreements

Division 10, cont.

City of Charlotte  
Mecklenburg County  
U-5905  
46450.1.1  
46450.2.1  
46450.3.1

This Project consists of improvements along Lakeview Road (SR 2112) from Old Statesville Road (US 21) to Reames Road (SR 2110). The Municipality is responsible for the project. The Department's original participation was \$11,000,000 in State Bonus Allocation funds. The Department has agreed to participate in additional project costs with federal funds. The Department shall reimburse 80% of eligible expenses up to \$3,823,000. The Municipality will provide a 20% non-federal match of \$955,750 and all costs that exceed the total available funding of \$15,778,750.

Division 12

City of Statesville  
Iredell County  
I-3819B/U-6039  
34192.2.3

This Project consists of improvements on the I-40/I-77 Interchange; I-40 from SR 2003 (Radio Road) to SR 2158 (Old Mocksville Road); I-77 from SR 2171 (Jane Sowers Road) to SR 2321 (East Broad Street); and SR 2321 (East Broad Street) from Vine Street to SR 2422 (Signal Hill Drive). At the request of the Municipality, the Department shall include the construction of betterments in its construction contract. The Municipality shall reimburse the Department a fixed cost of \$91,823.76 for the betterments.

City of Mount Holly  
Gaston County  
EB-5748  
50425.1.1

This Project consists of the construction of new sidewalk on SR 2439 (Beaty Road) from Smith Street to Ferstl Avenue. The Department shall prepare the preliminary engineering plans and participate in 80% (\$81,000) of the PE costs from federal funds. The Municipality will provide a 20% (\$20,250) non-federal match and all costs that exceed the total available funding of \$101,250.

City of Mount Holly  
Gaston County  
EB-5912  
47578.1.1

This Project consists of the construction of new sidewalk along the south side of SR 2044 (Tuckaseege Road). The Department shall prepare the preliminary engineering plans and participate in 80% (\$230,000) of the PE costs from federal funds. The Municipality will provide a 20% (\$57,500) non-federal match and all costs that exceed the total available funding of \$287,500.

NCDOT October 3, 2019 Municipal and Special Agreements

Division 13

Danforth Construction  
Buncombe County  
41930

The Rail Division is requesting Board Approval to enter into a Construction Agreement with Danforth Construction for upgrades to the 81 Thompson Street facility, currently leased to Avadim Health in Buncombe County. The project will include safety upgrades to bring the building up to safety standards. The NCDOT State Construction Office approved the award of contract and selected Danforth Construction with their proposal. The estimated cost of the project is \$378,208, and shall be funded with state funds but subsidized by the monthly lease fee from Avadim Health.

NCDOT October 3, 2019 Municipal and Special Agreements

SUMMARY: There are a total of 25 agreements for informational purposes only

Division 1

NC Department of  
Environmental Quality  
Division of Marine Fisheries  
(Agency)  
Hyde County  
30189.18

This Agreement is to provide loading and/or hauling service of shell or other reef materials on an as needed basis as requested by the Agency.

Town of Edenton  
Chowan 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 Seaboard  
Northampton 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 Kill Devil Hills  
Dare 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.

City of Elizabeth City  
Pasquotank 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.

Camden County

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



NCDOT October 3, 2019 Municipal and Special Agreements

Division 1, cont.

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

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

Division 2

Joseph S. Sheetz  
Pitt County  
36249.4067                      This Project consists of traffic signal revision at the intersection of Stantonsburg Road and Moye Boulevard. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% for the work. The estimated reimbursement is \$10,000.

Division 3

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

WF Independence Blvd., LLC  
New Hanover County  
36249.4075                      This Project consists of signal plan and equipment modifications at US 421 (Carolina Beach Road) and SR 1209 (Independence Boulevard) related to the Woodfield Apartments Development. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% for the work. The estimated reimbursement is \$5,000.

NCDOT October 3, 2019 Municipal and Special Agreements

Division 3, cont.

Tri-City Butte, LLC  
New Hanover County  
U-4751  
40191.3.2

This Project consists of an additional exclusive eastbound right-turn lane on SR 2892 (Lendire Road) at the intersection with US 17 (Market Street) as requested by the Developer in conjunction with the Department's U-4751 Project. The Developer shall reimburse the Department 100% for the work. The estimated reimbursement is \$100,000.

Division 4

Town of Princeville  
Edgecombe County  
36249.4068

This Project consists of the installation of "Welcome to Princeville" signs along US 33 North and South, and US 258 East and West at the town limits. The Department will perform the work. The Municipality shall reimburse the Department 100% for the work. The estimated reimbursement is \$4,000.

Spring Branch Medical and  
Commercial Park, Master  
Owners Association, Inc.  
Johnston County  
36249.4066

This Project consists of the installation of a traffic signal on NC 42 at Springbrook Avenue. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% for the work. The estimated reimbursement is \$5,000.

NC Department of Agriculture  
Johnston County  
36249.4074

This Project consists of grading and drainage improvements to Rangers Trail off of SR 1004 in Johnston County. The Department will perform the work. The Agency shall reimburse the Department 100% of the actual cost of all work. The estimated reimbursement is \$6,500.

Division 5

City of Henderson  
Vance County  
36050.091  
36053.091

This Project consists of winter weather maintenance for certain State Highway system roads and rights of way in the Municipality's jurisdiction. The Department shall reimburse the Municipality for the actual cost of labor, materials, and equipment, not to exceed \$25,000 per year.

Alliance Multifamily, LLC  
Wake County  
36249.4071

This Project consists of traffic signal upgrades on SR 1635 (McCrimmon Parkway) at SR 1637 (Church Street) in Cary and on SR 1635 (McCrimmon Parkway) at Town Hall Drive in Morrisville. 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 \$7,500.

NCDOT October 3, 2019 Municipal and Special Agreements

Division 5, cont.

Town of Holly Springs  
Wake County  
36249.4072

This Project consists of a traffic signal upgrade on SR 1152 (Holly Springs Road) at NC 55 (Main Street). 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.

Town of Holly Springs  
Wake County  
36249.4073

This Project consists of a traffic signal upgrade on SR 1152 (Holly Springs Road) at Linksland 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 \$7,000.

Division 7

Parkway Associates, LLC  
Guilford County  
36249.4069

This Project consists of intersection improvements and a traffic signal upgrade at SR 4187 (Piedmont Parkway) and Morris Farm Drive Point. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% for the work. The estimated reimbursement is \$5,000.

Division 8

Preston Acquisitions, LLC  
Lee County  
36249.4079

This Project consists of upgrading the traffic signal by adding a fourth leg to the intersection of US 1 Business and SR 1488 (McNeill Road). The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% for the work. The estimated reimbursement is \$5,000.

Division 10

Town of Harrisburg  
Cabarrus County  
36249.4078

This Project consists of upgrading a traffic signal at the intersection of NC 49 and SR 1300 (Morehead Road)/Alexander Avenue. 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 October 3, 2019 Municipal and Special Agreements

Division 12

Gardner-Webb University  
Cleveland County  
36249.4076

This Project consists of the installation of "Home of Gardner-Webb University" sign on US 74 in east and westbound direction at the Cleveland County Line. The Department shall perform the work. The University shall reimburse the Department 100% for the work. The estimated reimbursement is \$2,280.

Lake Norman Owner, LP  
Lincoln County  
36249.4077

This Project consists of signal upgrades at the Northbound NC 16 off ramp onto NC 73. The Department will review the traffic signal plans and inspect the traffic signal installation. The Developer shall reimburse the Department 100% for the work. The estimated reimbursement is \$5,000.

City of Gastonia  
Gaston County  
W-5712M  
44858.3.13

This Project consists of pedestrian and safety improvements at SR 1136 (Myrtle School Road/Davis Park Road) at SR 1131 (Linwood Road). The Department shall perform the work. The Municipality shall participate in the costs of the project in the amount of \$26,400.

# NCDOT October 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
9	Forsyth	City of Winston-Salem	SR 4001, Reynolds Boulevard	From University Parkway to Akron Drive	1.430

**File Name:** Forsyth\_2019\_10\_M001

**Total Miles = 1.430**

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

<b><u>No.</u></b>		<b><u>Enacted Page No.</u></b>
<b>1</b>	<b>Final Right of Way Plans</b>	<b>R-1</b>
<b>2</b>	<b>Conveyance ROW Residue (HB 501)</b>	<b>R-2</b>
<b>3</b>	<b>Approval of Conveyance of Highway Right of Way Residues</b>	<b>R-3</b>
<b>4</b>	<b>Approval of Conveyance of Surplus Right of Way</b>	<b>R-4</b>
<b>5</b>	<b>Advance Acquisition of Highway Right of Way</b>	<b>R-5</b>

**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 7)**

**Project No. 34840.2.4; Guilford County; I.D. No. U-2581BA:**

Culvert, drainage, grading, paving and signals on US 70 (Burlington Road) from West of SR 3045 (Mount Hope Church Road) / SR 2819 (McLeansville Road) to just East of SR 2826 (Birch Creek Road) with the right of way indicated upon the final plans for said project.

**(Division 8)**

**Project No. 34542.2.6; Richmond County; I.D. No. R-3421A:**

Culvert, drainage, grading, paving, signing, retaining walls and structures on I-73/I-74 from US 74 Bypass West of Rockingham at SR 1109 (Zion Church Road) interchange to South of SR 1140 (Old Charlotte Highway) with the right of way indicated upon the final plans for said project.

**Project No. 34542.2.3; Richmond County; I.D. No. R-3421B:**

Culvert, drainage, grading, paving, signing, retaining walls and structures on I-73/I-74 from South of SR 1140 (Old Charlotte Highway) to Southwest of SR 1304 (Harrington Road) with the right of way indicated upon the final plans for said project.

**(Division 10)**

**Project No. 34446.2.5; Stanly County; I.D. No. R-2530B:**

Drainage, grading, paving, signals, structure, signing and culverts on NC 24 – 27 from Bird Road in Albemarle to West of the Pee Dee River with the right of way indicated upon the final plans for said project.

**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 12)**

**Project 9.8129302, U-0215B Parcels 046, 046A & 047, Hudson Blvd. Ext. From east of NC 274 Union Rd. to NC 279 New Hope Rd.**

**Gaston County**

Conveyance of an approximate 0.970-acre comprised of three (3) landlocked B-class residue areas to Triangle Real Estate of Gastonia, Inc. for the highest offer amount of **\$30,000.00**; commission \$3,000.00

**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



**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 34866.2.2, U-2810 026, SR 1003 (Camden Road) from NC 59 (Hope Mills Road) to SR 1007 (Owen Drive) in Cumberland County**

Conveyance of approximately 1.12 acre area to Douglas Horne, the highest bidder after public advertisement, for the bid sum of \$10,000.00.

**Project 34866.2.2, U-2810 027, SR 1003 (Camden Road) from NC 59 (Hope Mills Road) to SR 1007 (Owen Drive) in Cumberland County**

Conveyance of approximately 1.42 acre area to Douglas Horne, the highest bidder after public advertisement, for the bid sum of \$12,000.00.

**(Division 11)**

**Project 34402.2.6, R-2237C 115, US 321 from SR 1500 (Blackberry Road) to US 221 in Blowing Rock, Watauga County**

Conveyance of approximately 0.135 acre area to Anne B. Furr, the highest bidder after public advertisement, for the bid sum of \$13,000.

**Project 34402.2.6, R-2237C 171, US 321 from SR 1500 (Blackberry Road) to US 221 in Blowing Rock, Watauga County**

Conveyance of approximately 0.374 acre area to Medley Investments, Inc., the highest bidder after public advertisement, for the bid sum of \$265,000.

**Project 34402.2.6, R-2237C 151 & 152, US 321 from SR 1500 (Blackberry Road) to US 221 in Blowing Rock, Watauga County**

Conveyance of approximately 0.787 acre area to Anne B. Furr, the highest bidder after public advertisement, for the bid sum of \$210,000.

**CONVEYANCE ROW RESIDUE**

**5 PROJECT(S)**

**\$ 510,000.00**

**Approval of Conveyance of Surplus Highway Right of Way**

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

**(Division 5)**

**Project 4763, SR 1012 (Western Blvd) between SR 5039 (Jones Franklin Road) and SR 1101 (Hillsborough Street)**

**Wake County**

The Board of Transportation approved the conveyance of 0.721 acre area surplus right of way to BORO, LLC at its regularly scheduled meeting on June 1, 2017. Prior to conveyance of deed, BORO, LLC sold the adjacent property to XL Soccer World, LLC. All other matters in the conveyance remained the same. Therefore, this is to request the October 3, 2019 Board of Transportation Minutes reflect this change.

**(Division 11)**

**Project 34518.2.FR3, R-2915C 027, US 221 South of SR 1106 (Railroad Grade Road)**  
**Ashe County**

Disposal of Approximately 0.20 acre surplus right of way to Fleetwood Volunteer Fire & Rescue for no consideration.



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

At the time of preparation of this agenda item the General Assembly had ratified Senate Bill 966 but, it was not yet Session Law. Accordingly, it is recommended to move forward with a partial allocation of General Maintenance Reserve, Roadside Environmental, Contract Resurfacing, Pavement Preservation, Bridge Program, and Bridge Preservation funds. The initial allocation was determined by calculating a 6-month Division spend plan based on the previous year's distribution formulas assuming roughly half of the anticipated total allocation for FY 2020. A supplemental allocation is to follow reconciling each Division's total allocation once the bill becomes law.

It is recommended that these funds be allocated in accordance with the following:

<b><u>SCHEDULE I – GENERAL MAINTENANCE RESERVE</u></b>	<b><u>TOTAL ALLOCATION</u></b>
Road and Bridge Maintenance	147,020,687
Asset Maintenance and Operation	8,215,814
Emergency	82,250,000
Research and Development	3,544,206
State and Federal Obligation	10,969,293
<b><i>Subtotal</i></b>	<b><u>\$252,000,000</u></b>
<b><u>SCHEDULE II - ROADSIDE ENVIRONMENTAL</u></b>	
Division Distribution	40,441,500
Asset Maintenance and Operation	4,500,000
State and Federal Obligation	0
<b><i>Subtotal</i></b>	<b><u>\$44,941,500</u></b>
<b><u>SCHEDULE III – CONTRACT RESURFACING</u></b>	
Division Distribution	225,625,000
Asset Maintenance and Operation	50,000
<b><i>Subtotal</i></b>	<b><u>\$225,675,000</u></b>
<b><u>SCHEDULE IV – PAVEMENT PRESERVATION</u></b>	<b>\$35,625,000</b>
<b><u>SCHEDULE V – BRIDGE PROGRAM</u></b>	<b>\$83,125,000</b>
<b><u>SCHEDULE VI – BRIDGE PRESERVATION</u></b>	<b>\$35,625,000</b>
<b><i>Grand Total</i></b>	<b>\$676,991,500</b>

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

**SCHEDULE I – GENERAL MAINTENANCE RESERVE**

In accordance with the recommended allocations listed on Page 1, a total of \$252,000,000 has been made available for distribution. It is recommended to continue to cash flow \$250,194,866 equally among the 14 Highway Divisions. The funds allocated will be used for Road and Bridge Maintenance, as well as support Division Administration and Enterprise level programs.

**ROAD AND BRIDGE MAINTENANCE**

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

**DIVISION ADMINISTRATION**

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

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

**ENTERPRISE PROGRAMS**

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

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

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

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

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

**Emergencies** are funds used for weather related events, to cover unanticipated expenditures for non-declared emergency operations, as well as snow and ice equipment purchases.

**SCHEDULE II – ROADSIDE ENVIRONMENTAL**

Beginning in FY 2018, the General Assembly established funds to be utilized for vegetation management, mowing, litter prevention and removal, beautification efforts, and rest areas. Of the total \$44,941,500 available, the staff recommends continuing to cash flow \$20,000,000 equally in each of the 14 Highway Divisions and is included in the allocation figures. These funds will be used for Roadside Maintenance, as well as support Division Administration and Enterprise level programs.

The staff recommends a direct allocation to the Divisions for the estimated cost of the following Division Administration activities:

- Specialized Landscaping
- Rest Areas and Welcome Centers

The staff also recommends allocating \$4,500,000 to Asset Maintenance and Operation for activities such as monitoring contract Litter and Mowing efforts and renovation and repair of Rest Areas.

Further detail regarding recommended allocations of these funds is addressed in Table 1 on Page 4.

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

Table 1 – SCHEDULES 1 and II

Division	Schedule I	Schedule II
	General Maintenance Reserve	Roadside Environmental
1	7,879,254	2,746,226
2	7,006,549	2,408,853
3	10,752,971	2,630,958
4	10,052,787	3,698,516
5	15,676,418	3,685,696
6	9,706,003	3,049,196
7	13,614,635	2,945,978
8	9,581,260	2,458,101
9	11,011,315	2,324,681
10	14,185,819	3,188,390
11	6,996,855	2,353,577
12	11,723,837	2,977,122
13	9,982,322	2,856,895
14	8,850,662	3,117,311
<b>Subtotal</b>	<b>\$147,020,687</b>	<b>\$40,441,500</b>
Asset Maintenance & Operations	8,215,814	4,500,000
Emergencies	82,250,000	0
Research and Development	3,544,206	0
State and Federal Obligation	10,969,293	0
<b>Subtotal</b>	<b>\$104,979,313</b>	<b>\$4,500,000</b>
<b>Grand Total</b>	<b>\$252,000,000</b>	<b>\$44,941,500</b>

**SCHEDULE III – CONTRACT RESURFACING**

Of the total \$225,675,000 available, the staff recommends continuing to cash flow \$178,000,000 equally in each of the 14 Highway Divisions which is included in the allocation numbers. Resurfacing activities will include placement of plant mixed asphalt, surface treatment seals, and recycling existing pavement. They will also include surface preparation, shoulder reconstruction, and traffic lane markings, performed by State Forces and by Contract. In accordance with current legislation, up to 15% of the funds may be used for widening existing narrow pavements. It is also recommended that, of the total funds available, \$50,000 be allocated to Asset Maintenance and Operation to cover non-TIP Materials & Test activity overdrafts. The remaining \$225,625,000 is to be distributed among the 14 Divisions.

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

**SCHEDULE IV – PAVEMENT PRESERVATION**

Beginning in FY 2015, the General Assembly has provided funds to address preservation activities or treatments for asphalt pavement structures. Eligible activities include the following: chip seals, slurry seals, fog seals, sand seals, scrub seals, and cape seals. Microsurfacing, profile milling not covered by resurfacing, asphalt rejuvenators, and open graded asphalt friction course is also eligible. Additional preservation activities include overlays less than 1,000 feet in length, diamond grinding, joint sealing, dowel bar retrofit, and partial or full depth repairs and reclamations. Ultra-thin whitetopping, thin lift and sand asphalt overlays and asphalt crack sealing are also eligible pavement preservation activities. Session Law 2017-57 expanded eligible activities to include pavement markers and markings. Of the \$35,625,000 available, it is recommended to continue cash flowing \$15,000,000 which will be distributed equally among each of the 14 Highway Divisions. These figures are included in the allocation amounts.

**SCHEDULE V – BRIDGE PROGRAM**

Beginning in FY 2015, the General Assembly established Bridge Program funds which are intended to address structurally deficient bridges. Of the total \$83,125,000 available, staff recommends continuing to cash flow \$20,000,000 equally among each of the 14 Highway Divisions which is included in the allocation figures. It is recommended that \$49,875,000 be allocated to fund construction costs for SFY 2020 bridge projects and to fund preliminary engineering costs for future bridge projects on the Primary System leaving \$33,250,000 to be distributed among the Divisions.

**SCHEDULE VI – BRIDGE PRESERVATION**

Beginning in FY 2018, the General Assembly established funds to employ cost effective solutions to maximize bridge life and lower lifetime cost. Of the \$35,625,000 total available funds, it is recommended that \$17,812,500 be allocated statewide for high value bridge preservation projects. The staff also recommends allocating a total of \$532,000 among Divisions 1, 2, and 3 for the maintenance of moveable span bridges. The remaining \$17,280,500 is recommended to be distributed to the Divisions.

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



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

Table 2 – SCHEDULES III, IV, V, and VI

Division	Schedule III Contract Resurfacing	Schedule IV Pavement Preservation	Schedule V Bridge Program	Schedule VI Bridge Preservation
1	14,474,479	2,027,132	2,058,312	1,297,073
2	15,802,933	2,019,550	2,219,204	1,083,576
3	17,405,941	2,377,012	2,188,345	1,309,813
4	19,018,269	3,046,303	2,145,397	1,260,829
5	24,055,297	2,429,807	2,181,105	1,572,079
6	13,177,241	2,699,580	1,973,107	951,134
7	18,014,446	2,350,400	2,758,350	1,298,159
8	19,181,946	2,948,580	2,079,219	1,101,389
9	11,802,332	2,585,049	2,163,093	1,073,734
10	16,335,572	2,106,581	2,106,856	1,433,398
11	12,653,164	3,363,046	3,052,080	1,205,042
12	14,510,420	2,633,805	2,409,583	1,170,289
13	14,814,992	2,391,199	3,237,146	1,607,108
14	14,377,968	2,646,956	2,678,203	1,448,877
<b>Subtotal</b>	<b>\$225,625,000</b>	<b>\$35,625,000</b>	<b>\$33,250,000</b>	<b>\$17,812,500</b>
Statewide	50,000	0	49,875,000	17,812,500
<b>Grand Total</b>	<b>\$225,675,000</b>	<b>\$35,625,000</b>	<b>\$83,125,000</b>	<b>\$35,625,000</b>

**Item S Summary: 6 Actions totaling \$676,991,500**

September 18, 2019

MEMORANDUM TO: Board of Transportation

FROM: Transportation Planning Division

SUBJECT: Submission of the Mitchell County Comprehensive Transportation Plan for Mutual Adoption by the Board of Transportation

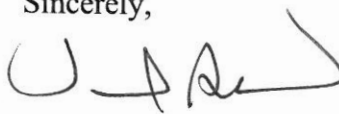
The Transportation Planning Division has worked cooperatively with Mitchell County on development of their Comprehensive Transportation Plan (CTP). The plan was adopted by Mitchell County on September 3, 2019, the Town of Bakersville on July 29, 2019, and the Town of Spruce Pine on September 9, 2019. It was endorsed by the High Country RPO on August 21, 2019.

The plan is based on an analysis of existing and projected travel and land use, public involvement and field investigations of recommended improvements. It is located on the web at:

[https://connect.ncdot.gov/projects/planning/Pages/CTP-Details.aspx?study\\_id= Mitchell County](https://connect.ncdot.gov/projects/planning/Pages/CTP-Details.aspx?study_id=Mitchell%20County)

The Mitchell County Comprehensive Transportation Plan is recommended for mutual adoption, as shown on the maps adopted by the aforementioned jurisdictions and recommended by Transportation Planning Division on September 10, 2019.

Sincerely,



Jamal Alavi, P.E.  
Director, Transportation Planning Division

Attachment

October 3, 2019

# Adoption Sheet



## Mitchell County

Recommended

### Comprehensive Transportation Plan

Plan date:

Sheet 1 **Adoption Sheet**

Sheet 2 **Highway Map**

Sheet 3 **Public Transportation and Rail Map**

Sheet 4 **Bicycle Map**

Sheet 5 **Pedestrian Map**

### Legend

- Roads
- Rivers and Streams
- Railroads
- Game Lands
- State Parks
- County Boundary
- Municipal Boundary

0 0.5 1 2 3 Miles

Sheet 1 of 5



Base map date: October 25, 2017

Refer to CTP document for more details

### Adopted by:

**Mitchell County**  
Date: September 3, 2019

**Bakersville**  
Date: July 29, 2019

**Spruce Pine**  
Date: September 9, 2019

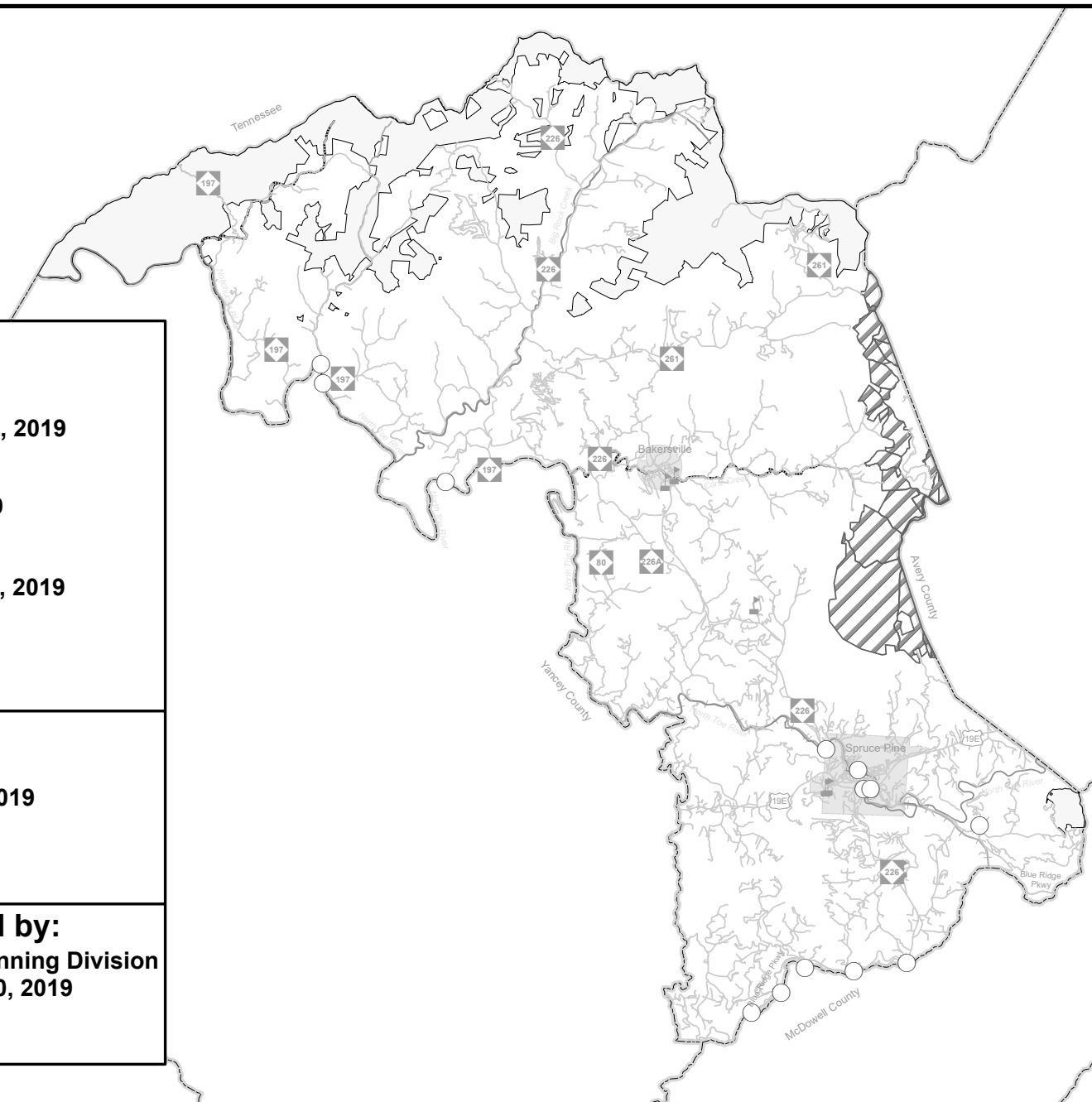
**NCDOT**  
Date:

### Endorsed by:

**High Country RPO**  
Date: August 21, 2019

### Recommended by:

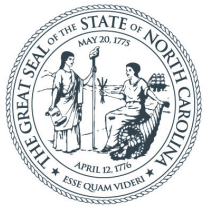
**Transportation Planning Division**  
Date: September 10, 2019



ITEM V

NORTH CAROLINA BOARD OF TRANSPORTATION

There will be no Item V submitted to the Board for approval at the October 3, 2019, Board meeting.



## **NORTH CAROLINA**

Department of Transportation



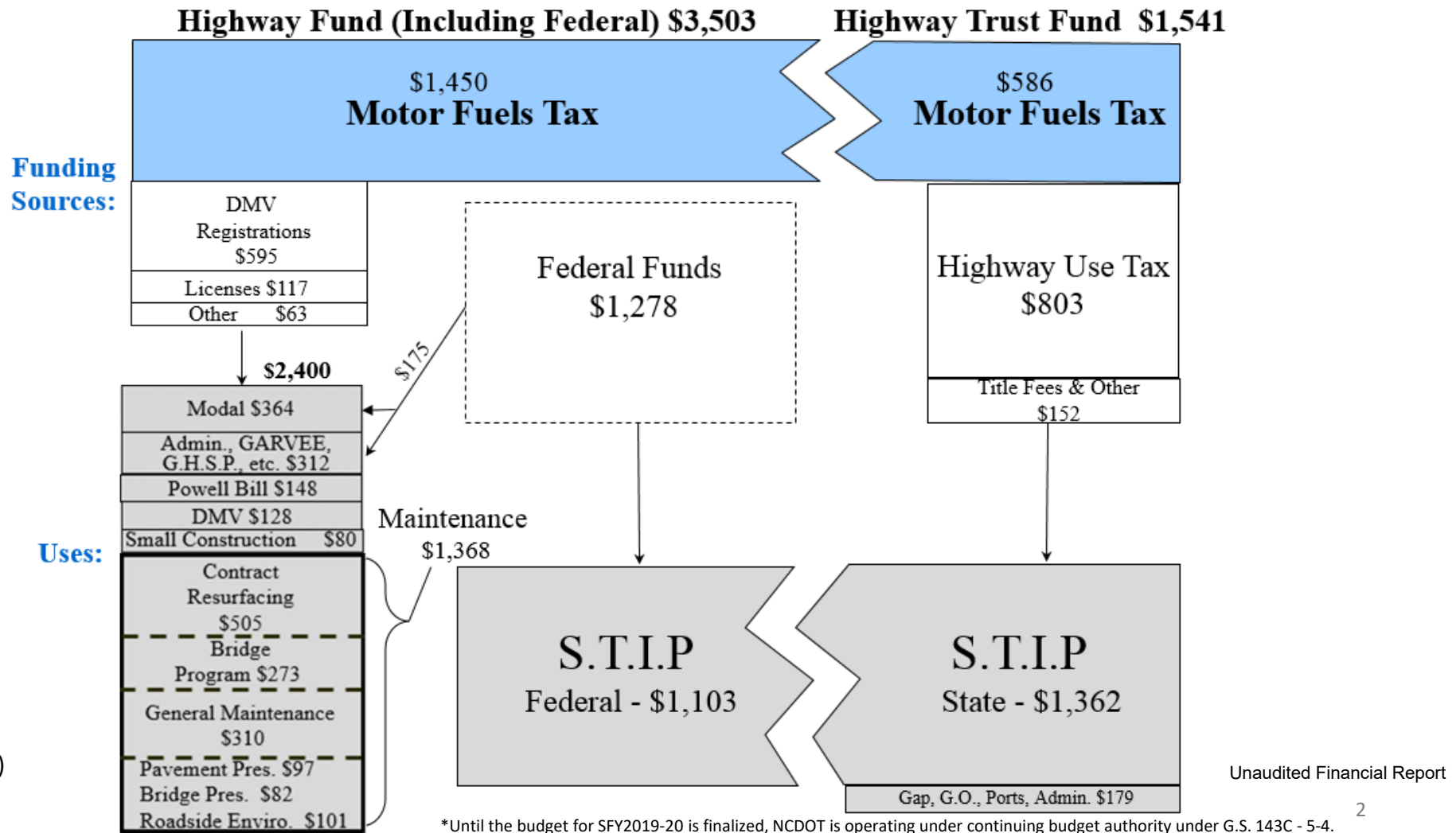
# Financial Update

As of August 2019

Evan Rodewald, Chief Financial Officer

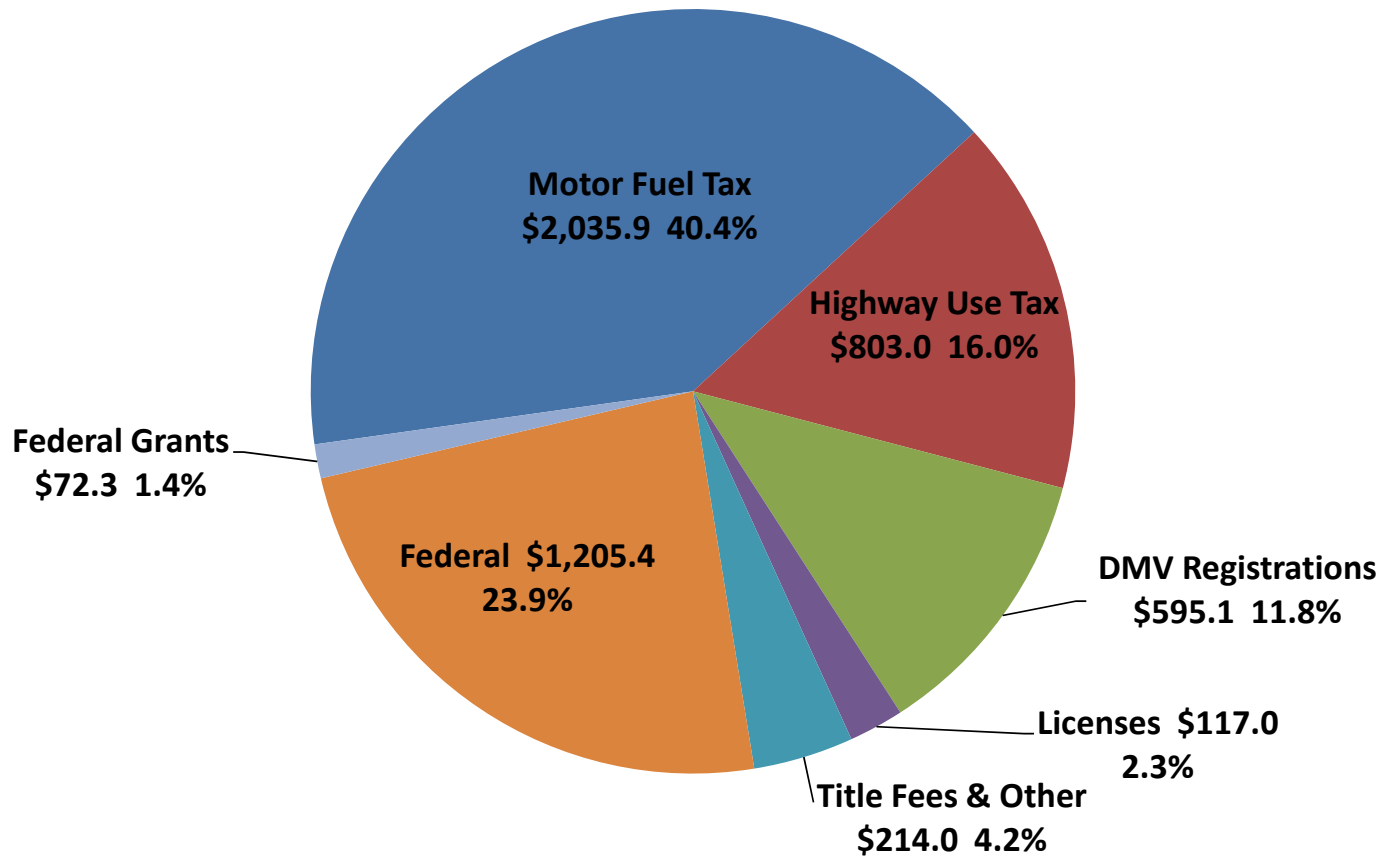
October 2, 2019

# Highway Fund and Highway Trust Fund Budget, SFY 2018-19\*



# NCDOT Revenue Sources\* SFY2019 - \$5.0 Billion

(Excludes Receipt Supported Funding of \$0.1B)



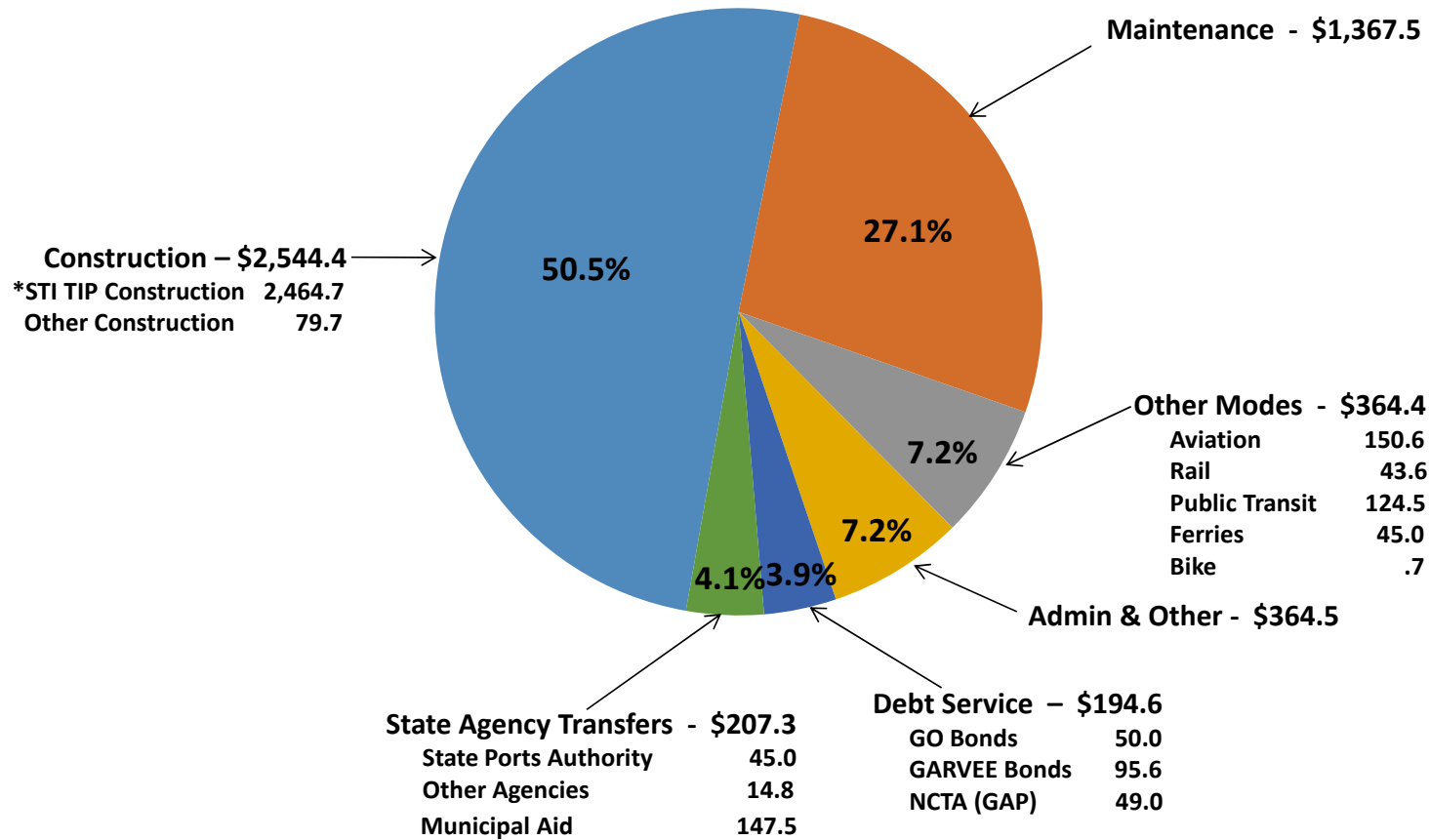
(\$ in millions)

\*Until the budget for SFY2019-20 is finalized, NCDOT is operating under continuing budget authority under G.S. 143C - 5-4.

# Uses of 2018-19 NCDOT Appropriations\*

## Total Funding = \$5.0 Billion

(Excludes Receipt Supported Funding of \$0.1B)

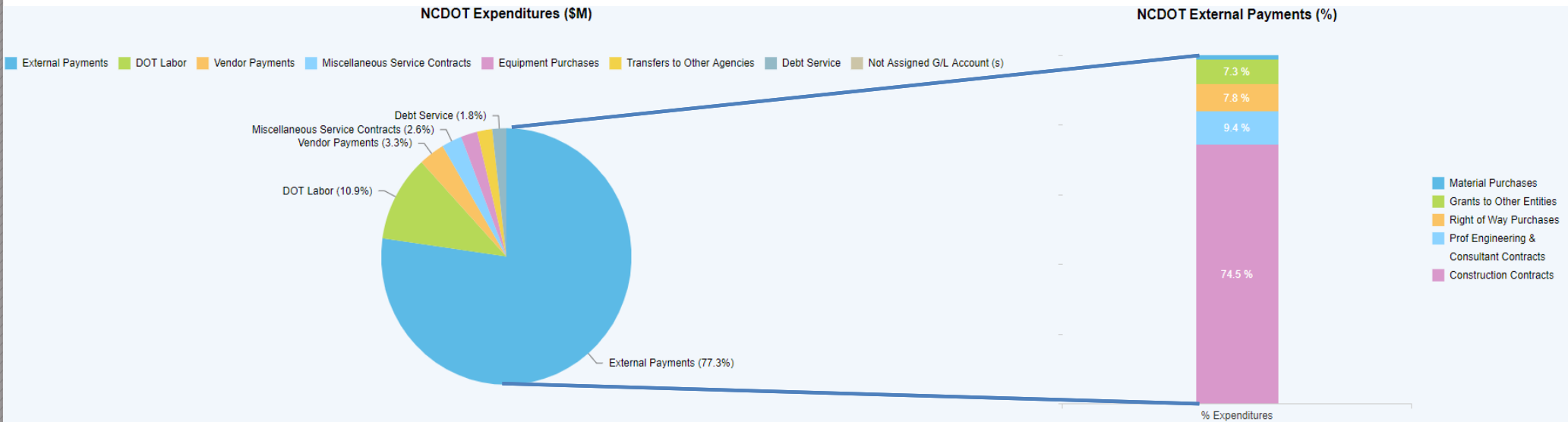


(\$ in millions)

\*Until the budget for SFY2019-20 is finalized, NCDOT is operating under continuing budget authority under G.S. 143C - 5-4.



# NCDOT Expenditures SFY2020 as of August 31, 2019



## Revenue Summary August 2019

(\$ in Millions)

	August 2019	August 2018	Year Over Year**			
			2019-2020 YTD Actual	2018-2019 YTD Actual	\$ Δ	% Δ
<b>State &amp; Federal Collections*:</b>						
State Highway Fund Revenues	\$ 199.3	\$ 185.9	\$ 378.9	\$ 376.6	\$ 2.3	1%
State Highway Trust Fund Revenues	144.7	138.7	280.7	271.0	9.7	4%
Total State Funds	344.0	324.6	659.5	647.6	12.0	2%
Federal Funds/Participation	146.2	149.7	195.6	222.6	(27.0)	-12%
BUILDNC Bond Proceeds	11.0	-	67.3	-	67.3	
GARVEE Bond Proceeds	7.5	-	7.5	-	7.5	
Total	\$ 508.6	\$ 474.3	\$ 929.9	\$ 870.2	\$ 59.7	7%
<b>Highway Fund &amp; Trust Fund Details</b>						
	August 2019	August 2018	2019-2020 YTD Actual	2018-2019 YTD Actual	\$ Δ	% Δ
Motor Fuel Taxes	\$ 187.2	\$ 172.2	\$ 347.8	\$ 348.1	\$ (0.3)	0%
Highway Use Tax	77.3	76.6	151.1	144.5	6.7	5%
DMV/Other Revenue	78.4	73.7	159.5	152.9	6.6	4%
Investment Income	1.1	2.1	1.1	2.1	(1.0)	
<b>Total Revenue</b>	<b>\$ 344.0</b>	<b>\$ 324.6</b>	<b>\$ 659.5</b>	<b>\$ 647.6</b>	<b>\$ 12.0</b>	<b>2%</b>

\*Excludes NCTA Revenues

\*\*Until the budget for SFY2019-20 is finalized, NCDOT is operating under continuing budget authority under G.S. 143C - 5-4.

## Expenditure Summary August 2019

(\$ in millions)

			Year Over Year**			
	August-19	August-18	2019-2020 Actual	2018-2019 Actual	\$ Δ	% Δ
<b>State &amp; Federal Funded Programs:</b>						
Construction	\$ 310.9	\$ 323.3	\$ 619.0	\$ 603.0	\$ 16.0	3%
Maintenance	167.1	212.6	347.5	361.6	(14.1)	-4%
Other Modes	17.1	96.3	40.8	112.4	(71.6)	-64%
Administration/Other Programs	24.6	24.5	(41.4)	(35.0)	(6.4)	-18%
Debt Service (Including NCTA GAP funds)	24.4	25.1	24.4	25.1	(0.7)	-3%
Municipal Aid	-	-	-	-	-	
Transfers to Other Agencies	2.0	0.3	2.0	13.9	(11.9)	-85%
<b>Total Expenditures*</b>	<b>\$ 546.1</b>	<b>\$ 682.1</b>	<b>\$ 992.3</b>	<b>\$ 1,081.0</b>	<b>\$ (88.7)</b>	<b>-8%</b>

*\*Excludes NCTA Expenditures*

\*\*Until the budget for SFY2019-20 is finalized, NCDOT is operating under continuing budget authority under G.S. 143C - 5-4.

## Financial Update

### SFYTD 2020 as compared SFYTD 2019

(\$ in millions)

	<u>August '19</u>	<u>August '18</u>	<u>YTD 2019</u>	<u>YTD 2018</u>	<u>\$ Change</u>
<u>Highway Fund &amp; Highway Trust Fund</u>					
Collections	\$ 509	\$ 474	\$ 930	\$ 870	\$ 60
Expenditures	<u>546</u>	<u>682</u>	<u>992</u>	<u>1,081</u>	<u>(89)</u>
Net Change	\$ (38)	\$ (208)	\$ (62)	\$ (211)	\$ 148
<u>Cash Balances:</u>					
Highway Trust Fund			\$ 280	\$ 1,039	
Highway Fund*			<u>107</u>	<u>28</u>	
Totals			<u>\$ 388</u>	<u>\$ 1,068</u>	

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

## RESOLUTION FOR CORPORAL HENRY F WARNER BRIDGE

**WHEREAS**, Montgomery County desires to honor native son, Henry F. "Lowe" Warner, who made the ultimate sacrifice protecting fellow soldiers in the Second World War; and

**WHEREAS**, Warner was awarded the country's highest and most prestigious military honor, the Medal of Honor, for his heroism; and

**WHEREAS**, the family of Warner supports the naming of the bridge in his honor; and

**WHEREAS**, the Montgomery County Board of Commissioners supports and requests the North Carolina Board of Transportation to name the new bridge spanning Little River on N.C. 24/27 (Bob Jordan Highway) in honor of Henry F. "Lowe" Warner.

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

That the North Carolina Board of Transportation names the N.C. 24/27 bridge over Little River in Montgomery County as the *Corporal Henry F Warner Bridge*.

That appropriate signs will be erected at a suitable time.

Adopted this the 3<sup>rd</sup> day of October 2019 by the North Carolina Board of Transportation.

  
Chairman

  
Secretary of Transportation



## PRODUCT HIGHLIGHT – Flex Guard®



Example of Flex Guard® after application –  
 image from Mat, Inc. website

Flex Guard® should be applied to unsaturated soils, and needs a minimum curing temperature of 40 degrees F. It can be applied to 1H to 1V slopes or shallower and is shipped in 50 lb. bags.

For more information, please visit: <https://www.matinc.biz/>

Flex Guard is a hydraulically applied Fiber Reinforced Matrix (FRM) that is manufactured by Mat, Inc. and is currently being evaluated for inclusion on the Approved Products List. Flex Guard® is a hydromulch that is engineered with pasteurized wood fibers, dispersible synthetic fibers, and various soil bonding agents (Crosslinked Hydro-colloid Tackifiers and Activators). Once the mixture of FRM, soil, and seeds cures; the new surface is bonded to the soil, and forms a flexible, absorbent, and continuous erosion blanket. Flex Guard® reduces sediment run-off by almost 99%. The longevity of the mixture lasts between 18 and 24 months depending upon slope angle, climate, and application rate of the FRM. The typical application rate for Flex Guard® is approximately 3,000 pounds per acre for a 3H to 1V slope.



Example of Flex Guard being applied – image  
 from Mat, Inc. website

## PRODUCT INNOVATION – Continuous Flow Intersection



CFI intersection design from TIP project U-5744 public  
 meeting – image from NCDOT website

A continuous flow intersections (CFI) uses left turn crossovers prior to the main intersection, so that at the main intersection left turns do not hold up all other users. There are about 30 CFIs open across the US. NC's first CFI is scheduled to open before the end of 2019 on NC-16 just north of I-485 in northwest Mecklenburg County. A CFI provides the highest traffic capacity of any known at-grade intersection design. Its capacity is so high that it competes well with much more expensive and impactful interchange alternatives. A case where a CFI was chosen over an interchange is on TIP Project U-5744 in Garner, at US-70 and Timber Drive. The U-5744 project public meeting map (a portion of which is included to the left) shows a good plan view of a CFI. Several other CFIs are in the planning and design stages around the state. CFIs are a great addition to the intersection design toolkit to allow project teams to move more traffic through smaller spaces safely and efficiently in a cost-effective way. NCDOT also has two ongoing research projects that are developing new alternative interchange designs and their associated signings and marking (RP2019-26 and RP2018-20). For more information about the U-5744 project, please visit the project website at <https://www.ncdot.gov/news/public-meetings/Pages/U-5744-03-27-2018.aspx> For more information about the two ongoing research projects, please contact the Research Office at [research@ncdot.gov](mailto:research@ncdot.gov)



# ECONOMIC DEVELOPMENT AND INTERGOVERNMENTAL RELATIONS (EDIR) COMMITTEE - MEETING MINUTES

**DATE:** 6/26/19      **TIME:** 2:10 PM      **LOCATION:** Board Room 150

<b>MEETING CALLED BY</b>	Chairman Hugh Overholt called the meeting to order.
<b>BOARD ATTENDEES</b>	Chairman Hugh Overholt, Vice Chairman Sam Bowles, Billy Clarke, Valerie Jordan, Andrew Perkins, John Pope, Thomas Taft, Cullie Tarleton, Gus Tulloss

## AGENDA TOPICS

<b>1. CALL TO ORDER AND APPROVAL OF APRIL 3, 2019 MINUTES - CHAIRMAN HUGH OVERHOLT</b>	
<b>DISCUSSION SUMMARY</b>	Chairman Overholt called the meeting to order at 2:10 PM.
<b>ACTIONS TAKEN</b>	Chairman Overholt asked for a motion to approve the April 3, 2019 EDIR Committee meeting minutes as published. Cullie Tarleton made the motion to approve the minutes. The motion was seconded by Billy Clarke and approved unanimously by the Committee.

<b>2. OPENING REMARKS / INTRODUCTION OF GUESTS - CHAIRMAN HUGH OVERHOLT</b>	
<b>DISCUSSION SUMMARY</b>	<p>Chairman Overholt remarked that the focus of the EDIR Committee is how NCDOT can and will support economic development in North Carolina with all modes of transportation. The last meeting featured a presentation by the Fleet Readiness Center East. The state has invested in transportation improvements for military installations to help military operations and to help the state by enhancing our relationship with the military. The military makes the second largest contribution to economic activity in North Carolina after agriculture.</p> <p>Chairman Overholt introduced two presentations about improvements to the rail network and the ports which make an essential contribution to our economy.</p>
<b>ACTIONS TAKEN</b>	No action taken.

<b>3. RAIL NETWORK IMPROVEMENTS SUPPORTING NORTH CAROLINA'S ECONOMY - EDDIE MCFALLS, STRATEGIC INITIATIVES CONSULTANT, NCDOT RAIL DIVISION</b>	
<b>DISCUSSION SUMMARY</b>	<p>Chairman Overholt introduced Eddie McFalls.</p> <p>Mr. McFalls discussed the evolving rail network in North Carolina and how improvements to the rail network also enhance the State's economy.</p>



## ECONOMIC DEVELOPMENT AND INTERGOVERNMENTAL RELATIONS (EDIR) COMMITTEE - MEETING MINUTES

### Key Points:

- There are two Class 1 railroads operating in North Carolina. They are CSX and Norfolk Southern. Both have changed their operating models, are simplifying their rail networks, and are considering selling assets. The opening discussion generated questions about the market for rail assets and the need to accommodate passenger and freight trains on the network, particularly on the north-south A-Line (parallel to I-95) and a potential reliever, the S-Line (that formerly ran between Raleigh and Petersburg, VA). The railroad network is privately owned, so projects must be developed in partnerships that recognize both public and railroad company needs.
- The Queen City Express began service in 2017 and has moved on average 300 containers per month between the Port of Wilmington and Charlotte. The Queen City Express uses CSX's precision scheduled railroading model to move containers using scheduled trains along the route and reduce truck-miles traveled. Initial improvements to the route, funded through the Federal Congestion Management and Air Quality (CMAQ) program, included the extension of the Dixie Storage Track in Laurinburg and two additional passing sidings and powered switches.
- Additional projects have either been completed or are programmed in the State Transportation Improvement Program (STIP) to increase the fluidity of freight movement between Charlotte and Wilmington. Improved rail access to the Port of Wilmington and improvements to the greater rail network will benefit the military and other industries in NC. In addition to the CMAQ project, the State Transportation Improvement Program includes siding improvements in Waxhaw (P-5748), Monroe (P-5749), and Polkton (P-5750), and grade crossing and speed improvements along the CSX rail corridor in Wilmington (Beltline, P-5740).
- The Wilmington Beltline improvements will help minimize delays as rail traffic volumes grow and will also implement safety improvements recommended in a previous Traffic Separation Study. These improvements would upgrade the track, improve train speeds from 10 mph to 25 mph, close three crossings, and improve 23 crossings. The project is schedule for right of way in FY 2021 and construction in FY 2022 (Draft 2020-2029 STIP).
- The Pembroke turn project has been completed and provides an improved connection between the SE-Line (Wilmington to Hamlet) and A-Line (parallel to I-95). Additional discussion addressed the use of the Pembroke Turn and ways to encourage more use of NC Ports by the military.
- The Wilmington Beltline improvements and improvements in Waxhaw, Monroe, and Polkton were packaged together in a Federal Railroad Administration (FRA) Consolidated Rail Infrastructure and Safety Improvement Fund (CRISI). FRA recently announced NCDOT would receive \$34.9M to help construct the projects.
- The City of Wilmington was also awarded a \$2M CRISI grant to prepare planning and environmental studies associated with a rail realignment project in Wilmington. The Wilmington Beltline project will help better accommodate growing traffic volumes in the near- and mid-term, with the realignment project as a future solution.
- Mr. McFalls provided a high-level overview of a variety of economic development projects supported by the Short Line Infrastructure Assistance Program (SIAP) and the Rail Industrial Access Program (RIAP) funded by the Freight Rail and Rail Crossing Safety Improvement Fund (FRRCSI), including those awarded between 2017 and 2019 that support NC Ports and Seymour Johnson Air Force Base. A \$3.8 million FRRCSI award will contribute approximately 78% of the cost to improve the Seymour Johnson Air Force Base fuel transfer terminal on the North Carolina Railroad near Goldsboro. Norfolk Southern that operates along the corridor is also contributing toward the project.





## ECONOMIC DEVELOPMENT AND INTERGOVERNMENTAL RELATIONS (EDIR) COMMITTEE - MEETING MINUTES

	<ul style="list-style-type: none"> <li>• The Carolina Connector (CCX) intermodal project is expected to be a big economic driver and will have the initial capacity to convert up to 110,000 long-haul truck moves to a combination of short truck haul and rail moves. It will enhance eastern North Carolina's access to the CSX rail network and all of the domestic markets and international ports on the network. NCDOT is contributing \$118M to the project. CSX is contributing \$40M and will also operate the facility at their cost (approximately \$6M per year) for an initial term of 9 years. Construction on the line of road portion of the project has begun and terminal construction will begin this summer.</li> <li>• Development of the latest draft of the State Rail Plan is underway. The plan will guide freight and passenger rail investments for the next 25 years.</li> <li>• The Committee discussed how to achieve high performance rail between Raleigh, Richmond, and DC. An incremental step of connecting Raleigh to Petersburg is currently being evaluated.</li> </ul> <p>Chairman Overholt recognized Catherine Knudson from the North Carolina Railroad (NCRR) in the meeting. She was representing Scott Saylor, NCRR President.</p>
<b>ACTIONS TAKEN</b>	No action taken.

<b>4. NORTH CAROLINA PORTS - BRIAN CLARK, CHIEF OPERATING OFFICER, NORTH CAROLINA PORTS</b>	
<b>DISCUSSION SUMMARY</b>	<p>Chairman Overholt introduced Brian Clark.</p> <p>Mr. Clark touted the cooperation between the NC Ports and the Rail Division and provided a review of Port operations, Port contributions to the North Carolina Economy, trends in the industry, and improvements to the Ports that will enhance capacity.</p> <p>Key Points:</p> <ul style="list-style-type: none"> <li>• The Ports are run as a business and they operate in a very competitive environment. They have commercial contracts with vessel operators and their mission is to support the economy of North Carolina and reduce the cost to businesses shipping in and out of the state.</li> <li>• The Ports directly employ a relatively small staff of 210, but their impact is much greater – over 27,000 in the eastern region of North Carolina.</li> <li>• In FY2018 the Ports achieved a little over \$50 million in revenue, reinvested \$14 million, and had a profit of \$4 million. FY2019 is expected to be another record year.</li> <li>• The Port of Wilmington experienced a 38% growth in container volume from 2017 to 2018. Refrigerated container volume tripled from 2014 to 2018.</li> <li>• There has been an increase in import volume which also supports increases in export volume. The number of container carriers has increased from six in 2014 to twelve. The number of port pairs has also increased from 12 in 2014 to 45.</li> <li>• The Port of Morehead City had an increase in general cargo volume of 20% from FY2017 to FY2018 and a 75% increase in tonnage from 2014 to 2018.</li> <li>• The NC Ports are estimated to have a potential market of 3 million Twenty-foot Equivalent Units (TEU) in North Carolina and are currently handling about 10% of that.</li> </ul>



## ECONOMIC DEVELOPMENT AND INTERGOVERNMENTAL RELATIONS (EDIR) COMMITTEE - MEETING MINUTES

- There has been a steady growth in jobs supported (over 87,000 in 2018) and economic output supported (over \$15 billion in 2018) in North Carolina.

Mr. Clark described North Carolina's two ports:

- The Port of Morehead City handles all bulk, break bulk and roll-on/roll-off cargo but no containers. It occupies 128 acres and an additional 150 acres on Radio Island. It has a 45 foot navigation channel with nine berths and 5,366 feet of wharf frontage. It has over one million square feet of storage and Rail is served by Norfolk Southern.
- Morehead City routinely services military cargo vessels (26 in CY2018).
- A new rail-mounted gantry crane investment (\$7 million) at Morehead City will help drive additional capacity.
- The Port of Wilmington handles containers and all bulk, break bulk and roll-on/roll-off cargo. It occupies 284 acres (half dedicated to containers) and has a 42 foot navigation channel. It can accommodate 1,165 foot vessels, has one million square feet of storage and has on dock intermodal rail capability served by CSX.
- Wilmington competes by being very efficient. It has the highest crane productivity and the shortest truck turn times on the East Coast.

Mr. Clark described some changes in the shipping container industry and improvements that are underway or planned:

- The dimensions of container vessels are changing. The old standard was 3,400 to 4,500 TEU. In 2016 the Panama Canal lock system was expanded to accommodate larger vessels and now the largest vessel is a 14,000 TEU vessel that is 1,200 feet long. This is a challenge for ports up and down the east coast.
- In 2016 the Port of Wilmington dredged the turning basin to handle 1,200 foot vessels. Phase II, intended to expand the turning basin to 1,500 feet, is underway.
- The Ports capital improvement plan calls for berth expansions, new Panamax cranes, a container yard expansion, and additional equipment to increase the speed and efficiency of loading and unloading at the Port of Wilmington.
- A Section 203 feasibility study for additional deepening and widening improvements has been submitted to the US Army Corps of Engineers.
- The goal is for the Port of Wilmington to be "Big Ship Ready."

Mr. Clark remarked that the NC Ports work closely with the NCDOT Rail Division to increase volume and he reviewed several projects at a high level:

- Most of the Port of Wilmington volume is a truck market but rail service is important to reach further inland faster.
- The NC Ports Rail Strategy calls for intermodal containers and growing new business in Wilmington.
- The Queen City Express began as a once per week service moving 300 containers per month between the Port of Wilmington and Charlotte. A 2017 CMAQ subsidy made the start of this service possible. With changes to the CSX rail operating model, a dedicated crew and daily service, growth to 200 containers per week is possible. A new CMAQ subsidy will support this for three years.
- One million tons of Enviva wood pellets are exported per year through the Port of Wilmington.
- The NC Ports Rail Strategy calls for transload and growing new business in Morehead City. A pilot rail / organic grain export project was initiated in 2018.



## ECONOMIC DEVELOPMENT AND INTERGOVERNMENTAL RELATIONS (EDIR) COMMITTEE - MEETING MINUTES

	<p>Mr. Clark highlighted Wilmington and Morehead City as two of 17 strategic military seaports that are exercised by the military regularly and reiterated the NC Ports commitment to the Department of Defense.</p> <p>Discussion following Mr. Clark's presentation covered a variety of topics including:</p> <ul style="list-style-type: none"> <li>• NC Ports competitors</li> <li>• Inland ports driving industry</li> <li>• Refrigerated containers for North Carolina's Christmas tree market</li> <li>• The benefits of the CSX precision railroading model to the NC Ports</li> <li>• The benefits of the CCX Carolina Connector for the NC Ports expanding their reach</li> <li>• Increases in import steel and grain</li> <li>• Expected continued growth in containers with the associated challenge of finding enough professional drivers</li> <li>• Making the NC Ports more accessible by rail and road and ensuring the STIP is supporting them.</li> </ul>
<b>ACTIONS TAKEN</b>	No action taken.

<b>5. COMMITTEE DISCUSSION - CHAIRMAN HUGH OVERHOLT</b>	
<b>DISCUSSION SUMMARY</b>	<p>Chairman Overholt facilitated the Committee discussion and recognized Charles Edwards, NCDOT Director of Strategic Planning and Logistics. Mr. Edwards expressed interest in elevating the priority of freight projects and developing data that supports them. He also referenced an initiative to create more river ports.</p>
<b>ACTIONS TAKEN</b>	No action taken.

Meeting Adjourned: 3:20 PM



## ECONOMIC DEVELOPMENT AND INTERGOVERNMENTAL RELATIONS (EDIR) COMMITTEE - AGENDA

### BOARD OF TRANSPORTATION OCTOBER 2, 2019

**TIME: 2:10 PM**

**LOCATION: Room 150**

TOPIC	PRESENTER	TIME
Call to Order Roll Call Declaration of Quorum Approval of June 26, 2019 Minutes	Hugh Overholt, Chair	5 minutes
Opening Remarks / Introduction of Guests	Hugh Overholt, Chair	5 minutes
Seymour Johnson Air Force Base (Followed by Q&A)	Colonel Anthony Mullinax, Commander, 4 <sup>th</sup> Mission Support Group, USAF	60 minutes
Committee Discussion and Planning	Hugh Overholt, Chair	20 minutes
Adjourn	All	Adjourn



# FUNDING APPROPRIATIONS STRATEGIES (FAST) COMMITTEE MEETING MINUTES

**DATE:** June 26, 2019    **TIME:** 2:10 pm    **LOCATION:** EIC

<b>MEETING CALLED BY</b>	Chairman Tony Lathrop
<b>BOARD ATTENDEES</b>	Chairman Tony Lathrop, Mike Alford, Jack Debnam, Nina Szlosberg-Landis, Michael Fox

## AGENDA TOPICS

<b>1. MEETING CALL TO ORDER AND APPROVAL OF JUNE 6, 2019 FAST MEETING MINUTES – CHAIRMAN LATHROP</b>	
<b>DISCUSSION SUMMARY</b>	Chairman Lathrop called the meeting to order at approximately 2:10 pm on June 26, 2019. The FAST committee members approved the June 6 meeting minutes unanimously.
<b>ACTIONS TAKEN</b>	Chairman Lathrop confirmed committee member attendance and declared a quorum. He then asked for a motion to approve the June 6, 2019 FAST Committee meeting minutes. Jack Debnam moved to approve and Mike Alford seconded.

<b>2. CASH BALANCE/FINANCIAL UPDATE – EVAN RODEWALD</b>	
<b>DISCUSSION SUMMARY</b>	Evan Rodewald, NCDOT CFO, provided the Cash Balance for May, the estimated Cash Balance for June, NC Build Bond issuance update.
<b>ACTIONS TAKEN</b>	N/A

<b>3. POPULATION TRENDS IN NORTH CAROLINA AND IMPLICATIONS FOR TRANSPORTATION – MIKE CLINE, PHD</b>	
<b>DISCUSSION SUMMARY</b>	Mike Cline, Ph.D. gave a presentation titled <i>Population Trends in NC</i> and Implications for Transportation. It focused on NC's changing demographics, the predicted demographic changes over the next few decades, and current and future changes to transportation.
<b>ACTIONS TAKEN</b>	N/A

Meeting Adjourned: 3:28 pm



# FUNDING APPROPRIATIONS STRATEGIES (FAST) COMMITTEE AGENDA

## BOARD OF TRANSPORTATION OCTOBER 2, 2019

**TIME: 2:10 PM**

**LOCATION: EIC**

<b>TOPIC</b>	<b>PRESENTER</b>	<b>TIME</b>
Call to Order Roll Call Declaration of Quorum Meeting Minutes Update Approval of June 26, 2019 meeting minutes	Tony Lathrop, Chair	2:10PM
NC First Commission Recap	Tony Lathrop, Chair	2:15PM
Cash/Finance Update	Evan Rodewald	2:25PM
SFY 2019 State Revenue Comparison	Burt Tasaico	2:35PM
Public Perception of Transportation Fees in North Carolina	Daniel Findley, Ph.D, Senior Research Associate, Institute for Transportation Research and Education, NCSU	2:55PM
Survey Results: NC First Commission	Amna Cameron	3:30PM
Adjourn	Tony Lathrop, Chair	3:40PM



# NORTH CAROLINA

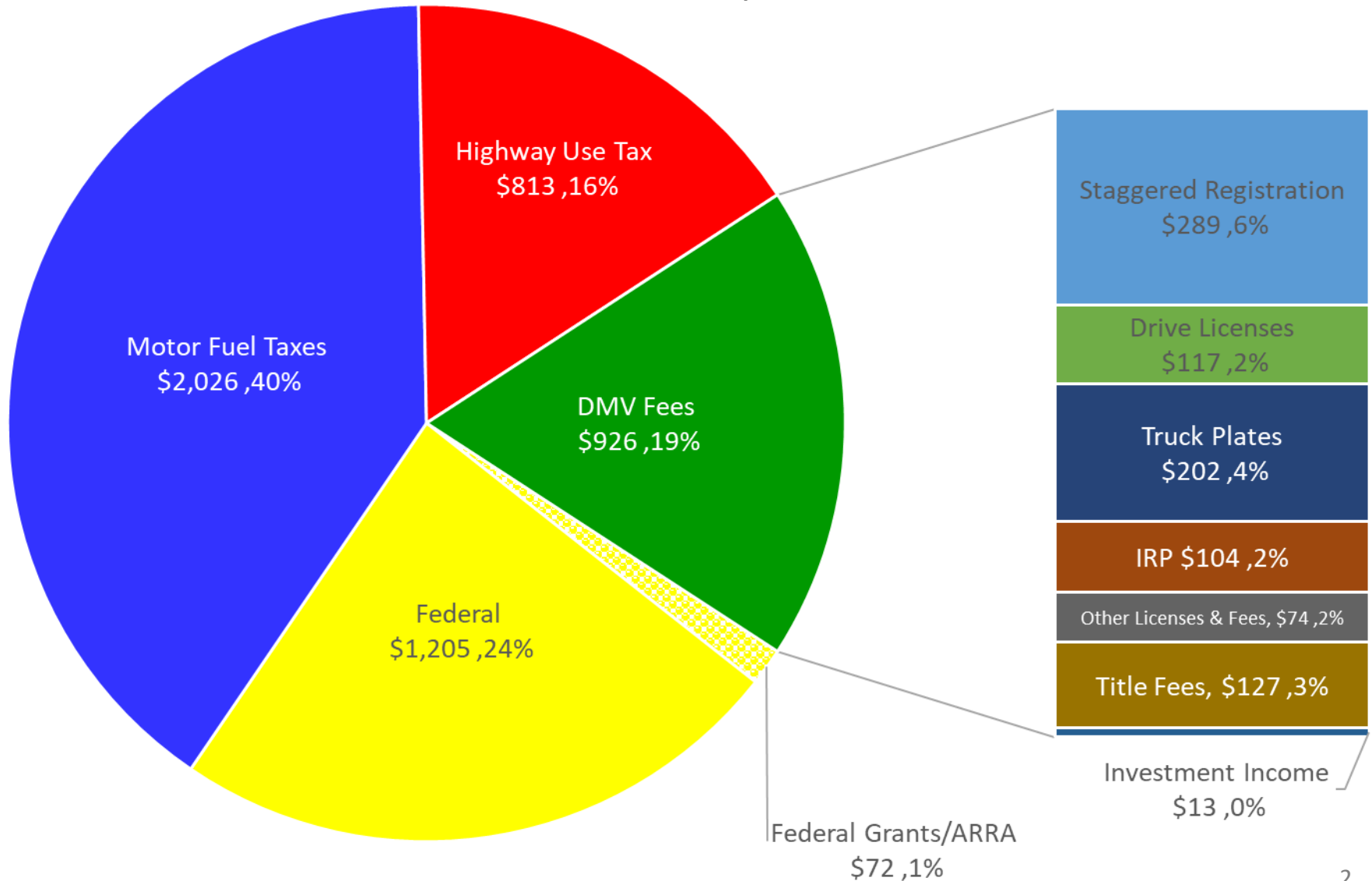
Department of Transportation



## SFY 2019 State Revenue Comparison

H. Tasaico, PE  
October 2, 2109

# Transportation Revenues Sources SFY 2019 - \$5 Billion





# Revenue Model - Variable and Data Sources

Source	Variables	Data Sources
Motor Fuel Tax	Rate	<ul style="list-style-type: none"> <li>Population – OSBM Demographics</li> <li>CPI-Energy – Global Insight</li> <li>Legislative</li> </ul>
	Fuel Consumption*	<ul style="list-style-type: none"> <li>In-House Model</li> </ul>
DMV Fees	Rate	<ul style="list-style-type: none"> <li>General Statute</li> </ul>
	Transactions	<ul style="list-style-type: none"> <li>CPI – Global Insight</li> <li>Regression Analysis</li> <li>NC Population Growth</li> </ul>
Highway Use Tax*	Rate	<ul style="list-style-type: none"> <li>General Statute</li> </ul>
	Transactions	<ul style="list-style-type: none"> <li>Historical</li> <li>NC Population Growth</li> </ul>
	Vehicle Pricing	<ul style="list-style-type: none"> <li>Global Insight</li> </ul>
Federal	Revenue	<ul style="list-style-type: none"> <li>Congressional Budget Office</li> </ul>

# SFY 2019 – Year-end State Revenues Comparison

## Good News

- Forecast            3,765M
  - Actual                3,897M
- ↑ \$132M (3.5%)

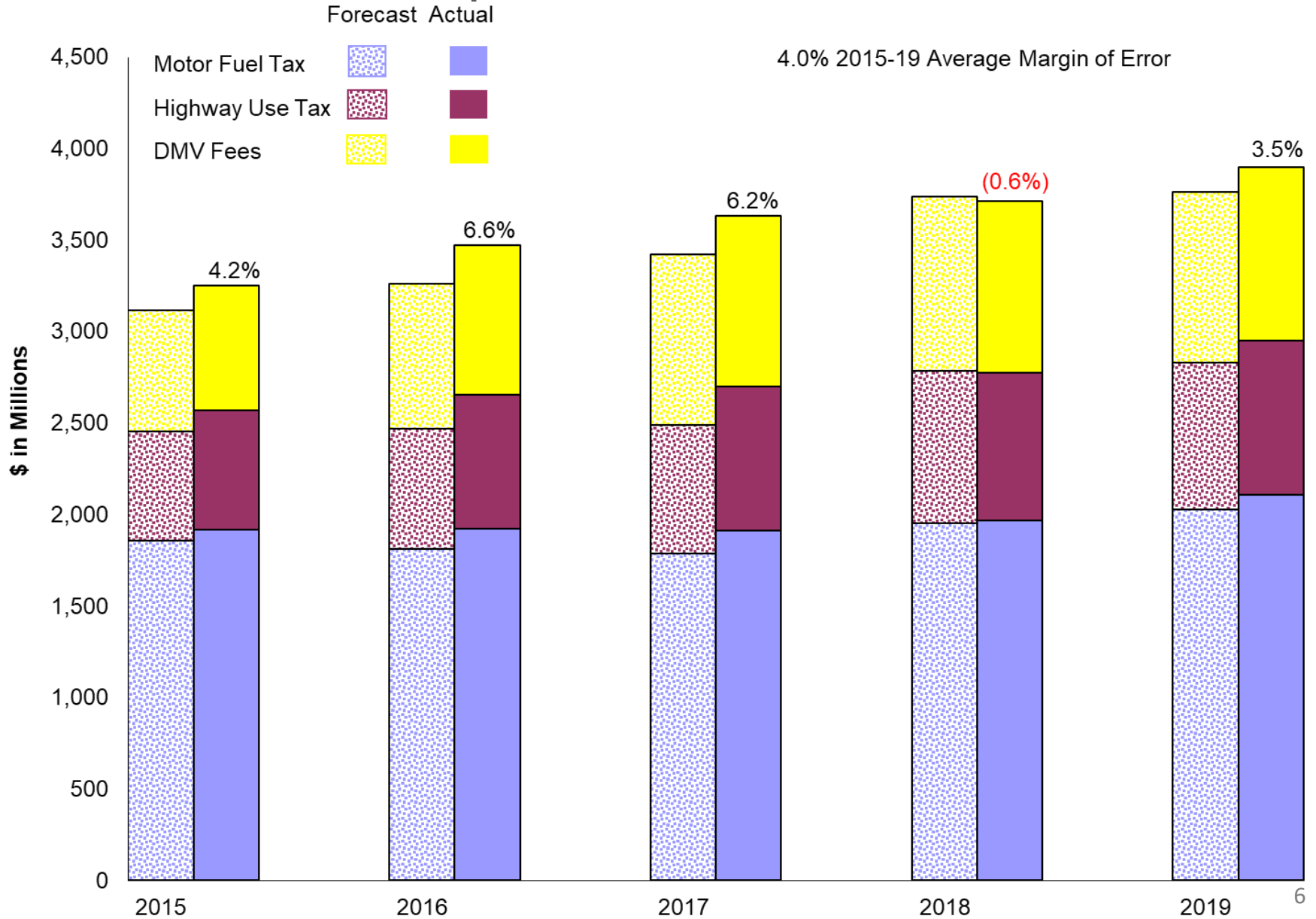
## Details

- | • Motor Fuel Taxes     |  | Funding Impact    |
|------------------------|--|-------------------|
| • Forecast    2,026M   |  | ↑ \$84M (4.1%)    |
| • Actual        2,110M |  | 71% Highway Fund  |
| • DMV Fees             |  |                   |
| • Forecast    926M     |  | ↑ \$12M (1.3%)    |
| • Actual        938M   |  | ≈85% Highway Fund |
| • Highway Use Tax      |  |                   |
| • Forecast    813M     |  | ↑ \$36M (4.4%)    |
| • Actual        849M   |  | 100% Trust Fund   |

# SFY 2019 – Year-end Margin of Error

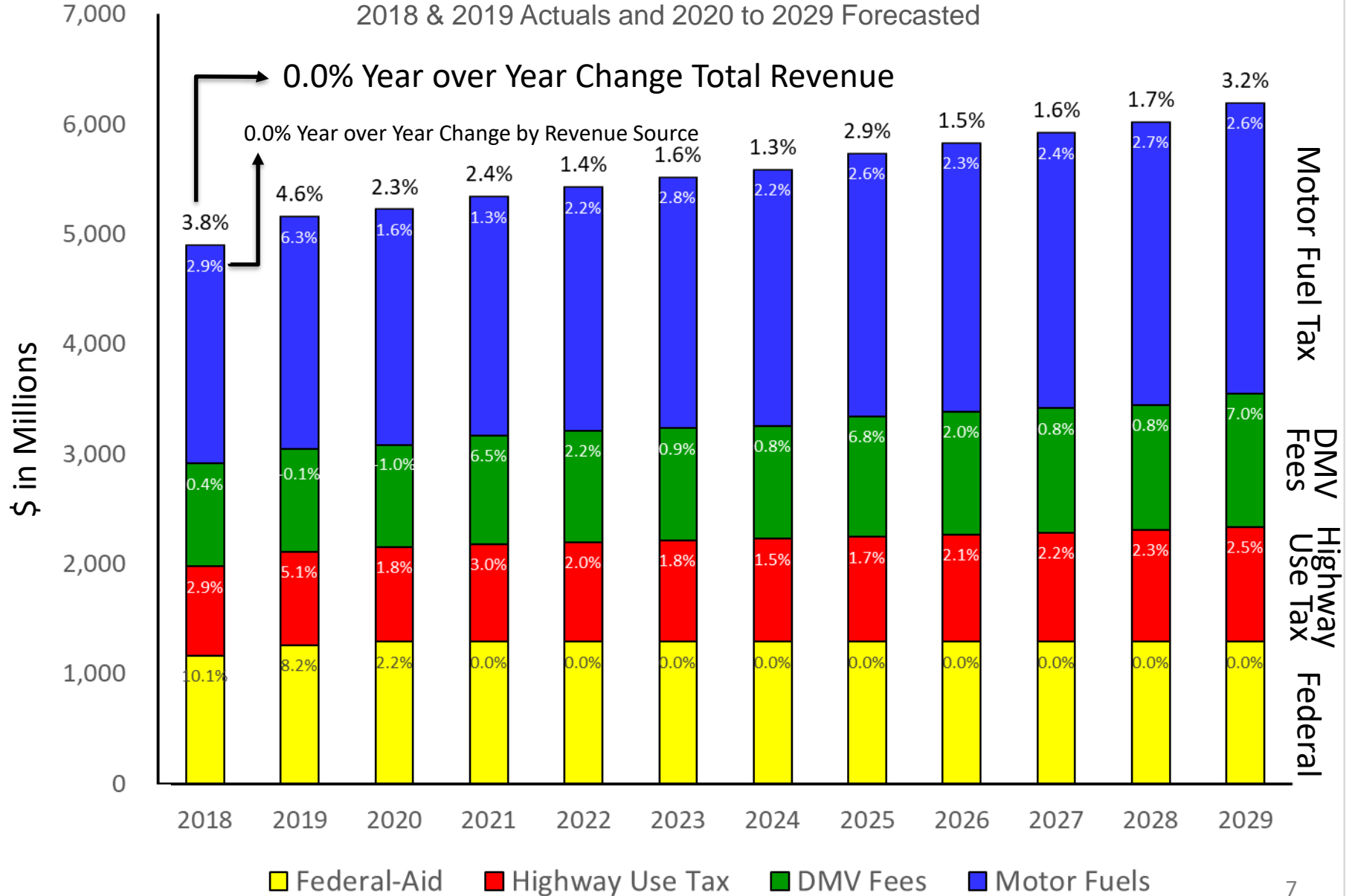


# 5 Year Annual Comparison Forecast vs Actual



# 10 Year Revenue Forecast – State and Federal Sources

2018 & 2019 Actuals and 2020 to 2029 Forecasted





# NORTH CAROLINA

Department of Transportation



# Survey Results

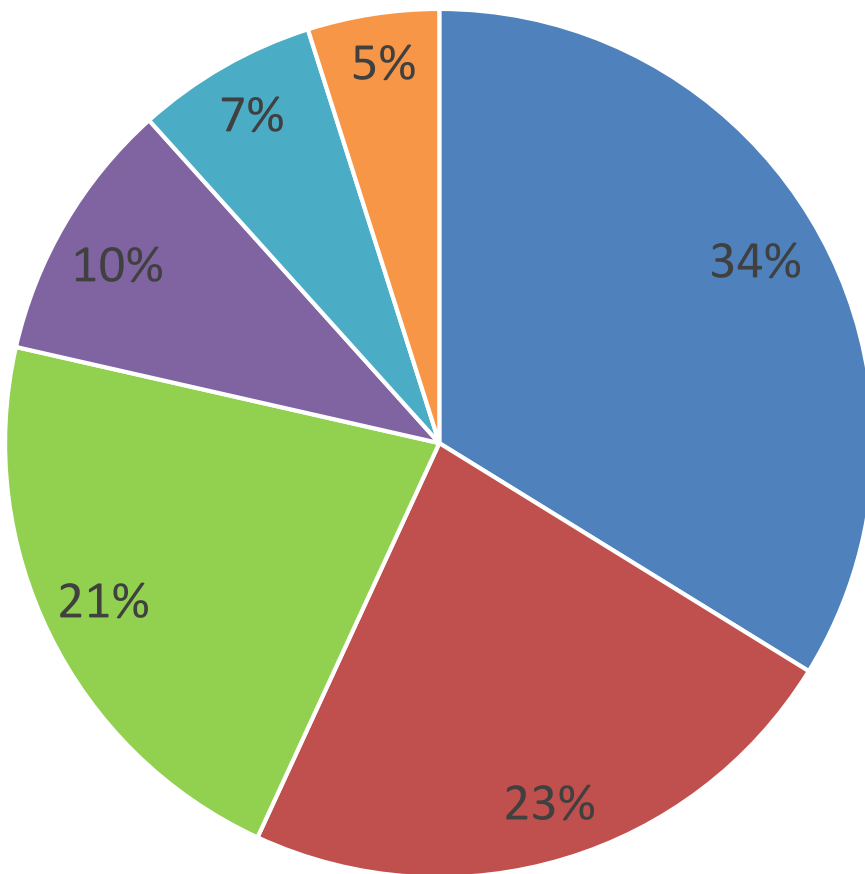
NC FIRST Commission

October 2, 2019

# Survey

- Survey posted on NC FIRST Commission website during month of July
- Completed by 447 participants
- Survey is not scientific, but it represents the opinions of those who closely follow the Commission

# What is state's biggest transportation challenge?



■ Lack of Public Transit

■ Congestion

■ Lack of Bicycle and Pedestrian Paths

■ Poor Road Surface Quality

■ Connectivity

■ Other

429 responses

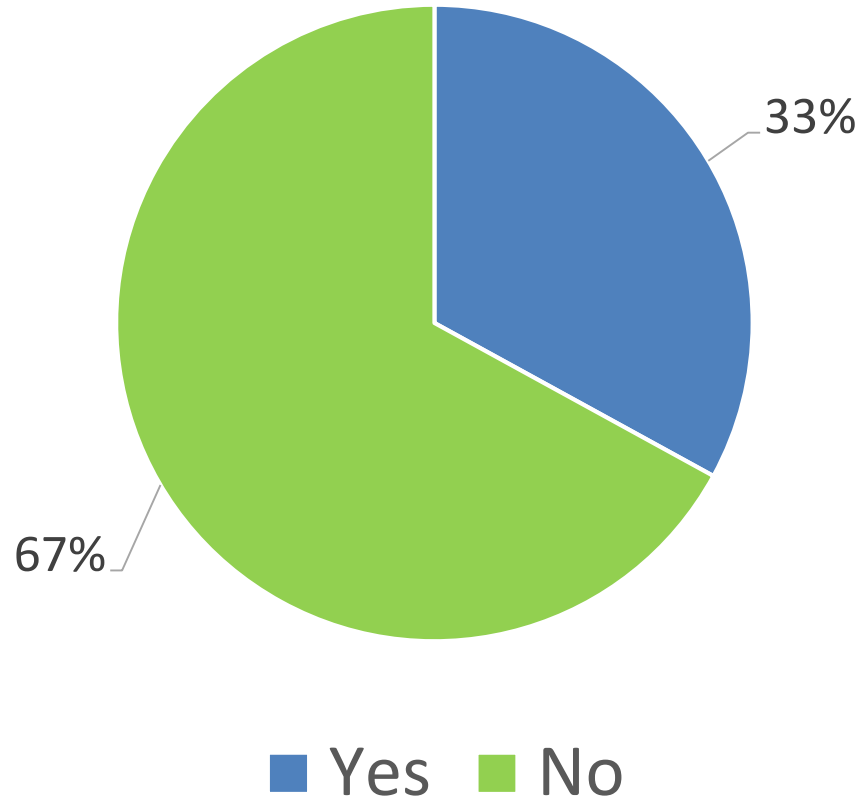
May choose 1 or 2 options



# Comments: Biggest Challenge

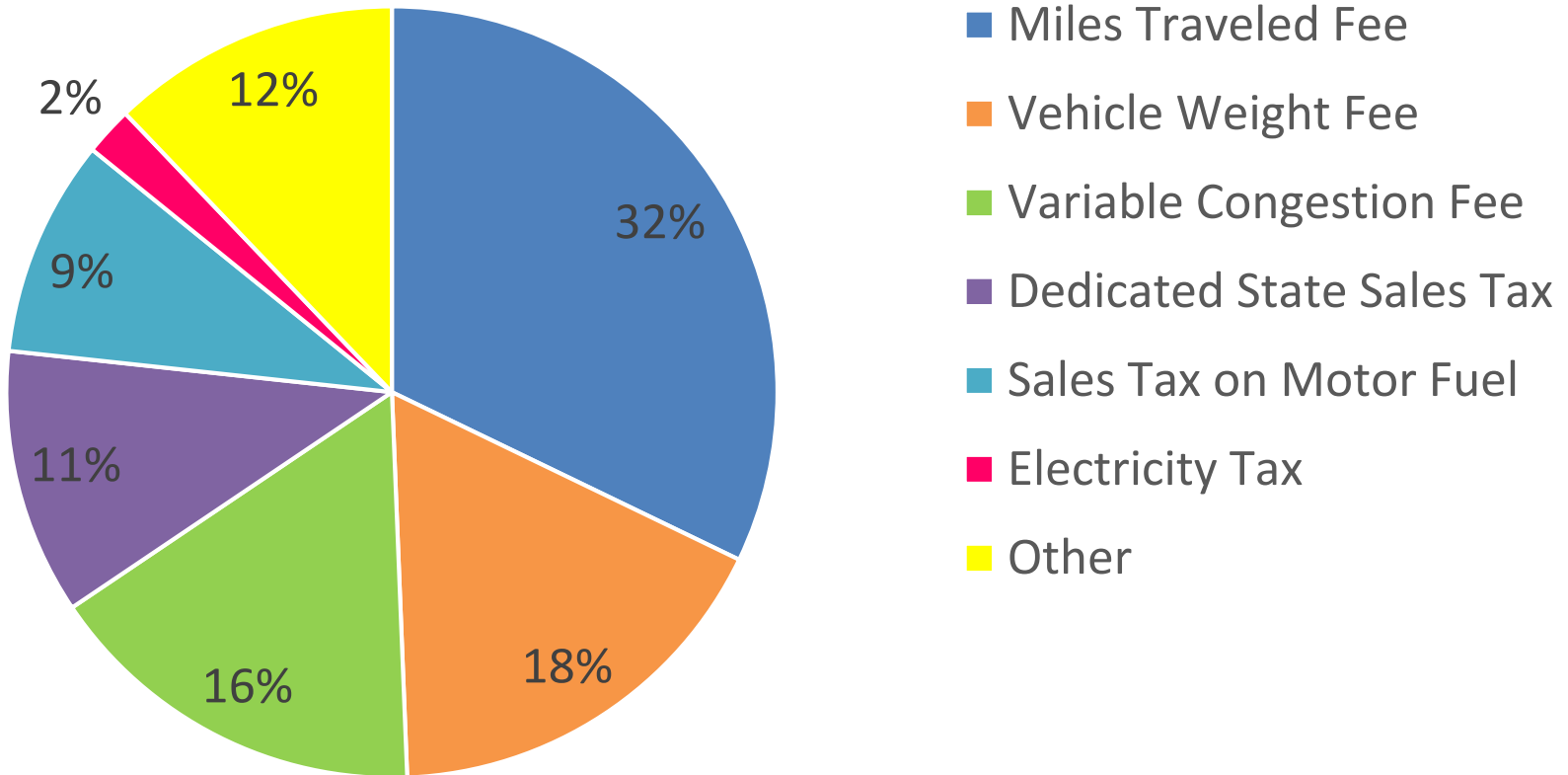
- Lack of funding
- Safety issues
- Bicycle and pedestrian projects
- Rural areas have different needs and challenges
- Support ways to lower congestion
- Rail travel

# Is NCDOT properly funded?



382 responses

# Choose New Funding Source



395 Responses

# Comments: Other Options to Consider

- Tax based on miles-traveled and weight
- Tolls

Others:

Electric Vehicle Fee	Gun Fee	Bicycle and Moped Registration Fee
Electric Charging Fee	Cigarette Tax	Impact Fees
Plastic Bag Fee	Alcohol Tax	Income Tax
Vehicle Pollution Fee	Car Luxury Tax	Trucking Tax
Bonds	Landfill Fee	Occupancy Tax



# HIGHWAYS COMMITTEE MEETING MINUTES

**DRAFT**

DATE: 08/07/2019 TIME: 2:45 PM – 3:45 PM LOCATION: Room 150

<b>MEETING CALLED BY</b>	Chairman Cullie Tarleton
<b>BOARD ATTENDEES</b>	Chairman Cullie Tarleton, Vice-Chairman John Pope, Jack Debnam, Grady Hunt, Lisa Mathis, Gus Tulloss, Dirk Cody, Michael Alford, Hugh Overholt, Patrick Molamphy

## AGENDA TOPICS

<b>1. APPROVAL OF JULY 2019 (JUNE 26) MINUTES</b>	
<b>DISCUSSION SUMMARY</b>	Chairman Tarleton stated if there are no additions or corrections needed to the June 26, 2019 minutes, he would accept a motion to approve.
<b>ACTIONS TAKEN</b>	Motion to approve the July minutes made by Member Debnam, seconded by Member Molamphy. The motion to approve the July minutes as written passed unanimously.
<b>2. EXECUTIVE COMMITTEE ON HIGHWAY SAFETY, J. KEVIN LACY, PE, CPM, STATE TRAFFIC ENGINEER, NCDOT TRANSPORTATION MOBILITY AND SAFETY</b>	
<b>DISCUSSION SUMMARY</b>	The Highway Committee heard a presentation from Mr. Kevin Lacy, NCDOT State Traffic Engineer, regarding the North Carolina Executive Committee for Highway Safety. The Committee was formed in 2002 to provide a coordinated safety approach that identifies current highway safety issues and facilitates appropriate strategies for alleviating the identified problems. The Committee is comprised of top management representatives involved in highway safety organizations, such as the Governor’s Highway Safety Program, the North Carolina Department of Insurance, the Federal Highway Administration, AARP, NC State Highway Patrol, Mothers Against Drunk Drivers, and other safety related groups. The Committee adopted a NC Strategic Highway Safety Plan in 2004, which included a goal to reduce the statewide fatality rate to 1.0 fatalities per 100 million vehicle miles traveled. The Plan was updated in 2006 with 14 emphasis areas to achieve its goal. Strategies that were approved from the 2006 Plan include rumble strips to reduce lane departure crashes, implementation of “the Safety Edge” to help drivers navigate back onto the roadway if they run off the road, conduct education and awareness campaigns to increase young drivers awareness of the risks of



# HIGHWAYS COMMITTEE MEETING MINUTES

**DRAFT**

	distracted driving, helmet laws, and increase of safety belt usage. The Plan was updated in 2014, making North Carolina a “Vision Zero” state, where even one fatality is too many on our roadways. The goals of the 2014 Plan are to cut the fatalities and serious injuries in North Carolina in half, reducing the total fatalities from 1,260 in 2013 to 630 by 2030 and the total serious injuries from 2,109 in 2013 to 1,055 by 2030. In 2018, there were 1,441 fatalities on NC Highways. The NC Strategic Highway Safety Plan is scheduled to be updated again in 2019. The Committee plans to support a resolution for red light camera enforcement and develop a strategic plan to improve behavior focus.
<b>ACTIONS TAKEN</b>	None

<b>3. COMPLETE STREETS POLICY UPDATE AND BOARD RESOLUTION, MS. ALDEA COLEMAN, POLICY DIRECTOR, OFFICE OF CHIEF DEPUTY SECRETARY DAVID HOWARD AND MS. HANNA COCKBURN, DIRECTOR, NCDOT BICYCLE, PEDESTRIAN &amp; PUBLIC TRANSPORTATION DIVISION</b>	
<b>DISCUSSION SUMMARY</b>	Ms. Aldea Coleman, Policy Director with the Office of Chief Deputy Secretary David Howard and Ms. Hanna Cockburn, Director of NCDOT’s Bicycle, Pedestrian and Public Transportation Divisions provided a presentation on the Complete Streets Policy and proposed changes. Nationwide, the percentage of people struck and killed by drivers while walking, increased by 35% over the last decade. The Complete Streets Policy has a significant role in improving existing streets while designing streets for tomorrow. Changes to policy will help demonstrate NCDOT’s commitment to Executive Order 80 and ties to North Carolina’s “Vision Zero” goal. The Complete Streets Policy enhances safety and provides an efficient network for all transportation modes.
<b>ACTIONS TAKEN</b>	None
<b>4. OTHER DISCUSSION - MR. PATRICK NORMAN, PE, NCDOT DIRECTOR OF HIGHWAY OPERATIONS</b>	
<b>DISCUSSION SUMMARY</b>	Mr. Patrick Norman reviewed the FY 2020 Maintenance Spend Plan with the Committee.
<b>ACTIONS TAKEN</b>	None



# HIGHWAYS COMMITTEE AGENDA

## BOARD OF TRANSPORTATION OCTOBER 2, 2019

**TIME: 3:50 PM – 5:00 PM**

**LOCATION: 150**

<b>TOPIC</b>	<b>PRESENTER</b>	<b>TIME</b>
Call to Order Roll Call Declaration of Quorum Approval of August 7, 2019 Meeting Minutes	Cullie Tarleton, Chairman	3:50 pm
Population Trends in North Carolina & Implications for Transportation	Dr. Mike Cline, State Demographer, Demographic and Economic Analysis Section, NC Office of State Budget and Management	3:55 pm
Dynamic Zipper Merge: Reducing Crashes and Queues in Freeway Work Zones	Mr. Joe Hummer, PhD., P.E., State Traffic Management Engineer, Mr. Steve Kite, P.E., Eastern Work Zone Traffic Control Engineer, and Ms. Meredith McDiarmid, P.E., State Transportation Systems Management & Operations Engineer, NCDOT Transportation Mobility and Safety	4:25 pm
Adjourn	All	5:00 pm



## NORTH CAROLINA

Department of Transportation



# Dynamic Zipper Merge: Reducing Crashes and Queues in Freeway Work Zones

Briefing for Board of Transportation Highway Committee

Joe Hummer, Steve Kite, and Meredith McDiarmid

Mobility and Safety Division

October 2, 2019



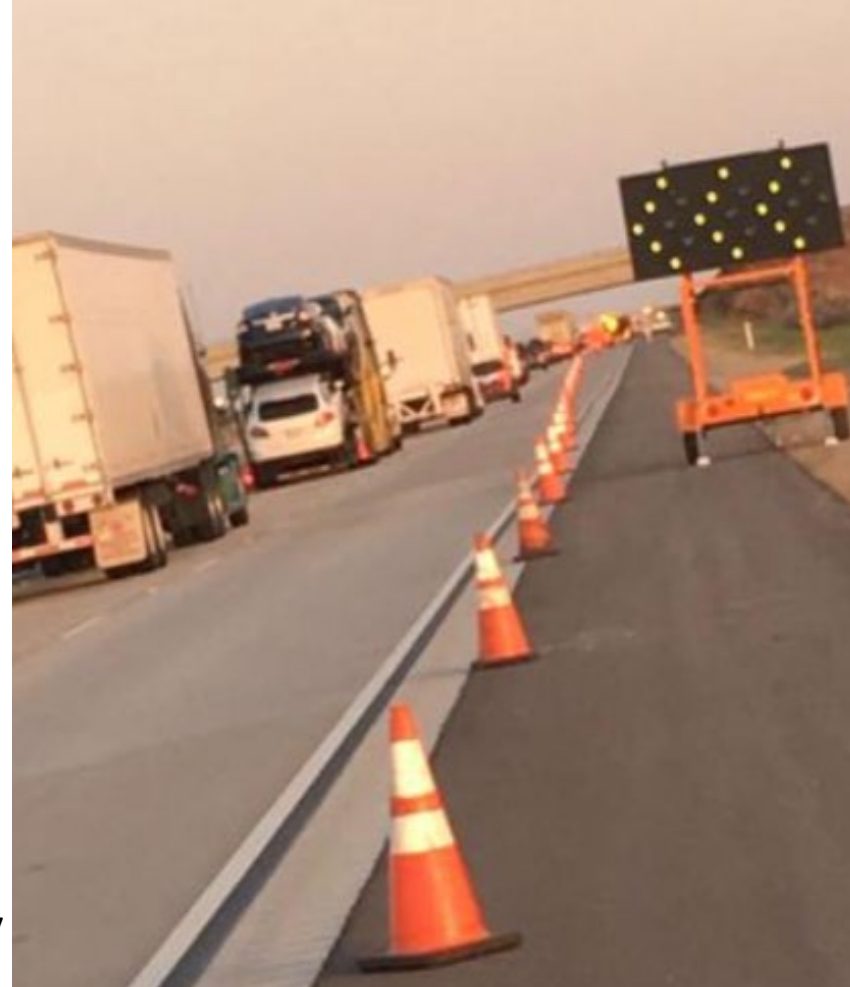
# Long-Term Freeway Lane Reduction



[https://observer-reporter.com/news/localnews/longwall-mining-causes-ripples-on-i--near-west-alexander/article\\_4ee1194c-2965-11e9-a044-d79738345fd9.html](https://observer-reporter.com/news/localnews/longwall-mining-causes-ripples-on-i--near-west-alexander/article_4ee1194c-2965-11e9-a044-d79738345fd9.html)

# We Need Drivers to Evacuate the Lane to be Closed

- Sooner the better at high speeds



<http://flaggerblog.com/tag/california-traffic-control/>

# Long Queues If Motorists Evacuate Lane Too Soon

## REGULAR MERGE:

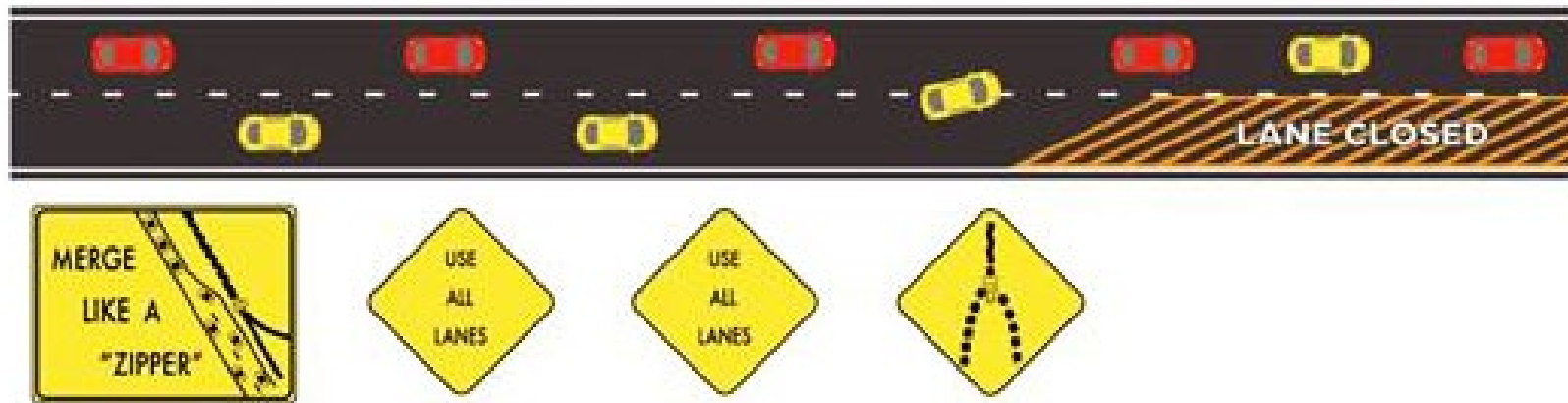


Source: ITRE



# Reduced Queues If Drivers Stay in Their Lane Longer

## ZIPPER MERGE:



Source: ITRE

**Problem:** How do we use zipper merge when needed it and turn it off when not needed?

# Potential Solution: Dynamic Zipper Merge

- Innovative system
- For several miles prior to lane reduction
  - Series of speed sensors
  - Series of changeable message boards
- Data from the speed sensors determines messages drivers see

# Messages

- When traffic is flowing freely, the messages will tell drivers which lane is closed and how many miles ahead they must merge
  - Start moving into the correct lane well ahead of the work zone



<https://www.360wichita.com/BusinessServices/Signs/Traffic-Control-Services-Inc.html>

# Messages

- When speeds fall below 40 mph



# Messages

- When speeds have slowed below 25 mph for at least 1.5 miles



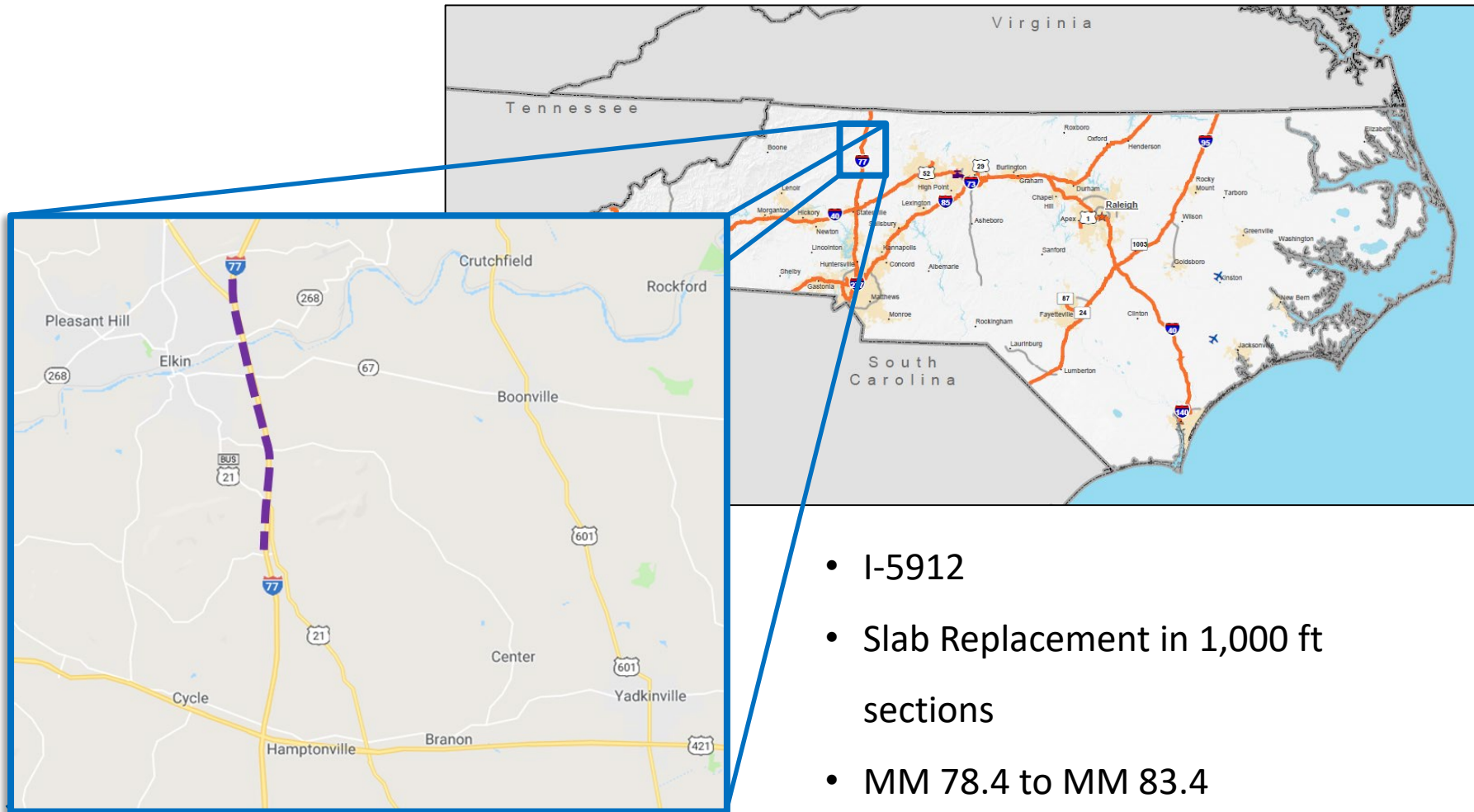


# Messages

- At the taper with speeds below 25 mph



# I-77 Project Overview



- I-5912
- Slab Replacement in 1,000 ft sections
- MM 78.4 to MM 83.4
- Work began on March 25<sup>th</sup>, 2019

# I-77 Dynamic Zipper Merge

- Devices
  - Message boards every mile for six miles
  - Speed sensors every half mile
  - Signs update every 60 seconds
- Partners
- Communications
- Cost

# I-77 Work Zone: Early Stages

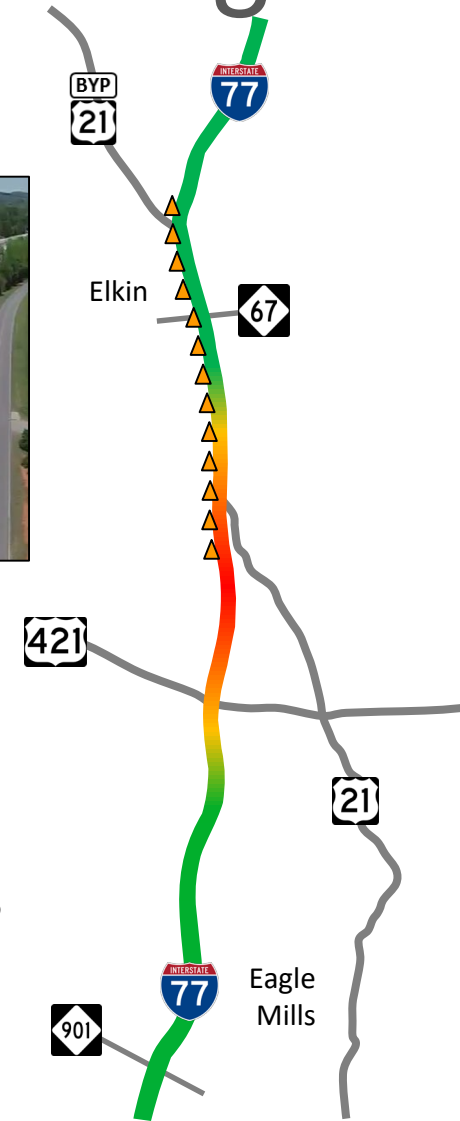


### After Closure



- Daily Congestion
- 5+ miles
  - ~10am-6pm

Traffic demand data did NOT predict this level of congestion

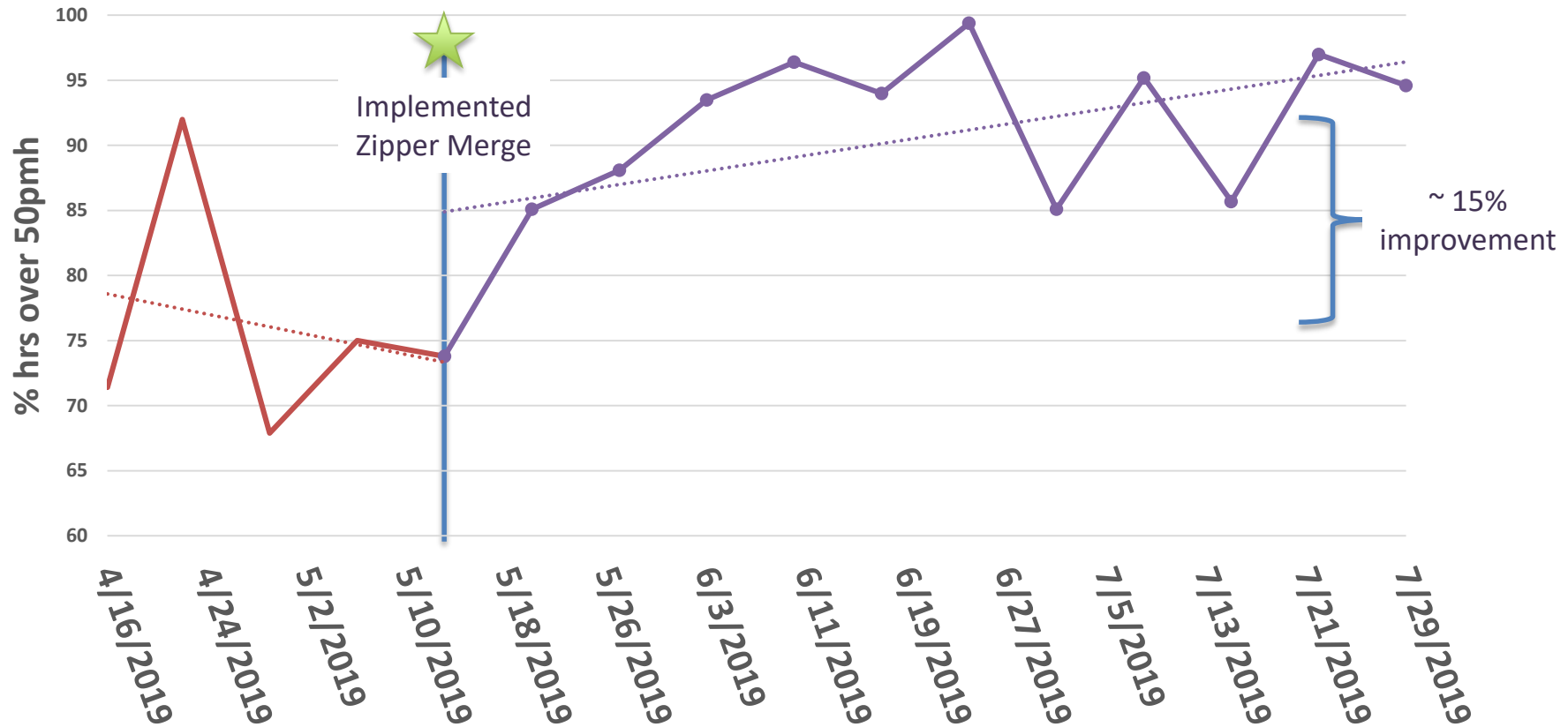






# I-77 Work Zone: Speed Results

% Hours w/ Avg Speed over 50mph through Work Zone



# I-77 Work Zone: Crash Results

Dates	Condition	Total crashes per month	Fatal crashes	Injury crashes per month
1/1/18 to 2/28/19	Prior to work zone	3	0	0.4
March 2019	Work zone installed	11	1	3
April 2019	Work zone, no zipper merge	14	1	2
May 2019	Work zone with zipper merge	5	0	0



# Dynamic Zipper Merge

## Bottom Line

- Working well on I-77
  - Need longer term evaluation
- Will likely work well in other similar cases
  - Freeway
  - Long term
  - Lane reduction
- We will use in other similar cases
- Can we reduce costs and make other improvements?

# Other Work Zone Innovations



# Thank You for Supporting Innovation

- Joe Hummer, [jehummer@ncdot.gov](mailto:jehummer@ncdot.gov)
- Steve Kite, [skite@ncdot.gov](mailto:skite@ncdot.gov)
- Meredith McDiarmid, [mmcdiarmid@ncdot.gov](mailto:mmcdiarmid@ncdot.gov)
  
- Let's go fix some roads!





# MULTI-MODAL TRANSPORTATION COMMITTEE MEETING MINUTES

DATE: 08-07-2019 TIME: 3:04 PM LOCATION: EIC Room

<b>MEETING CALLED BY</b>	Chairman Andy Perkins
<b>BOARD ATTENDEES</b>	Chairman Andy Perkins, Nina Szlosberg-Landis, Valerie Jordan, Tony Lathrop, Sam Bowles, Landon Zimmer

## AGENDA TOPICS

<b>1. MEETING CALLED TO ORDER AND APPROVAL OF JUNE 26, 2019, (JULY) MINUTES – CHAIRMAN ANDY PERKINS</b>	
<b>DISCUSSION SUMMARY</b>	Chairman Perkins called the Committee to order and asked for a motion to approve the minutes as distributed.
<b>ACTIONS TAKEN</b>	<ul style="list-style-type: none"> <li>• A motion to approve June 26, 2019 (July), minutes as distributed was made by Board Member Valerie Jordan and seconded by Board Member Landon Zimmer.</li> </ul> <p>The Committee approved the meeting minutes unanimously.</p>
<b>2. FUNDING ITEMS (PUBLIC TRANSPORTATION, BICYCLE &amp; PEDESTRIAN, AND AVIATION)</b>	
<b>DISCUSSION SUMMARY</b>	Information was presented by Bike & Ped/Public Transportation Divisions (Integrated Mobility Division) Director, and Aviation Director.
<b>ACTIONS TAKEN</b>	<ul style="list-style-type: none"> <li>• Motion to approve Public Transportation's STIP Amendment and STIP Handout funding items was made by Vice Chairwoman Nina Szlosberg-Landis and seconded by Board Member Tony Lathrop.</li> <li>• Motion to approve Bicycle &amp; Pedestrian funding items was made by Board Member Tony Lathrop and seconded by Board Member Valerie Jordan.</li> <li>• Motion to approve Aviation funding items was made by Board Member Landon Zimmer and seconded by Board Member Tony Lathrop.</li> </ul> <p>The Committee approved the funding items unanimously.</p>



# MULTI-MODAL TRANSPORTATION COMMITTEE MEETING MINUTES

<b>3. MULTI-MODAL UPDATES – JULIE WHITE, DEPUTY SECRETARY FOR MULTI-MODAL TRANSPORTATION</b>	
<b>DISCUSSION SUMMARY</b>	<ul style="list-style-type: none"> <li>• <b>Passenger Ferry Launch</b> – New Passenger Ferry has served 22,970 passengers and 1,372 Bikes. 10 weeks average at 328 passengers a day. Hurricane preparation has begun.</li> <li>• <b>Rail</b> – Slowing \$8 million in projects.</li> <li>• <b>PTD/Bike/Ped</b> – Working with Charlotte Area Transit System (CAT's) to adjust payment schedule for Blue Line Extension. We are currently \$25 million ahead of scheduled payments.</li> <li>• Merged Divisions Bicycle and Pedestrian and Public Transportation have been renamed to: <b>Integrated Mobility Division</b></li> </ul>
<b>ACTIONS TAKEN</b>	No Action Taken

<b>4. COMPLETE STREETS POLICY UPDATE – ALDEA COLEMAN, POLICY DIRECTOR</b>	
<b>DISCUSSION SUMMARY</b>	<p>Mrs. Coleman provided an update on the department's Complete Streets Policy, which includes safety and provides an efficient network for all modes of transportation across North Carolina. She provided information on:</p> <ul style="list-style-type: none"> <li>• accomplishments of Complete Streets, which identified obstacles that prevented the full implementation of Complete Streets Policy.</li> <li>• created a core technical team to assist in internal process improvements.</li> <li>• worked across divisions to ensure Complete Streets elements are included in process improvements.</li> <li>• Updated and strengthened policy language.</li> <li>• Presented an amended Complete Streets Policy to the Committee.</li> </ul>
<b>ACTIONS TAKEN</b>	No Action Taken

--	--

**Adjourn: 3:40 PM**



# MULTI-MODAL TRANSPORTATION COMMITTEE AGENDA

## BOARD OF TRANSPORTATION OCTOBER 2, 2019

**TIME: 3:50 PM**

**LOCATION: EIC**

TOPIC	PRESENTER	TIME
Call to Order Roll Call Declaration of Quorum Approval of August 7, 2019 Meeting Minutes	Chairman Perkins	3:50 PM
Funding Items (PTD - STIP Amendment and STIP Handout, Rail, Bicycle & Pedestrian, and Aviation)	Multi-Modal Directors	3:55 PM
Multi-Modal Transportation Update	Julie White Deputy Secretary	4:00 PM
Project ATLAS	Leilani Paugh Mitigation & Modeling Group Leader	4:15 PM
Adjourn	Chairman Perkins	4:50 PM



# NORTH CAROLINA

Department of Transportation



# Project ATLAS: Improving Program Delivery at NCDOT

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**LeiLani Paugh**  
**Mitigation and Modeling Group Supervisor**  
**Environmental Analysis Unit**

**October 2, 2019**



# What is Project ATLAS?

A	Advancing
T	Transportation through
L	Linkages
A	Automation and
S	Screening

Project ATLAS is an effort to increase efficiency of Transportation Program Delivery.

---



# A Confluence of Agency Needs



Reorganization

+

3, 2, 1 Mandate

+

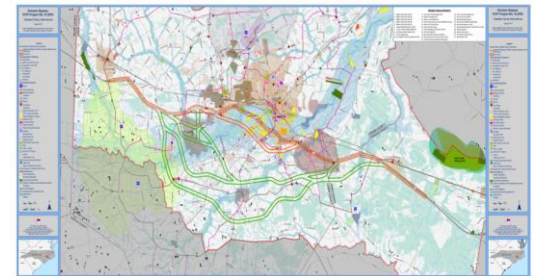
Secretary's Priorities

---

Kinston Bypass Experience

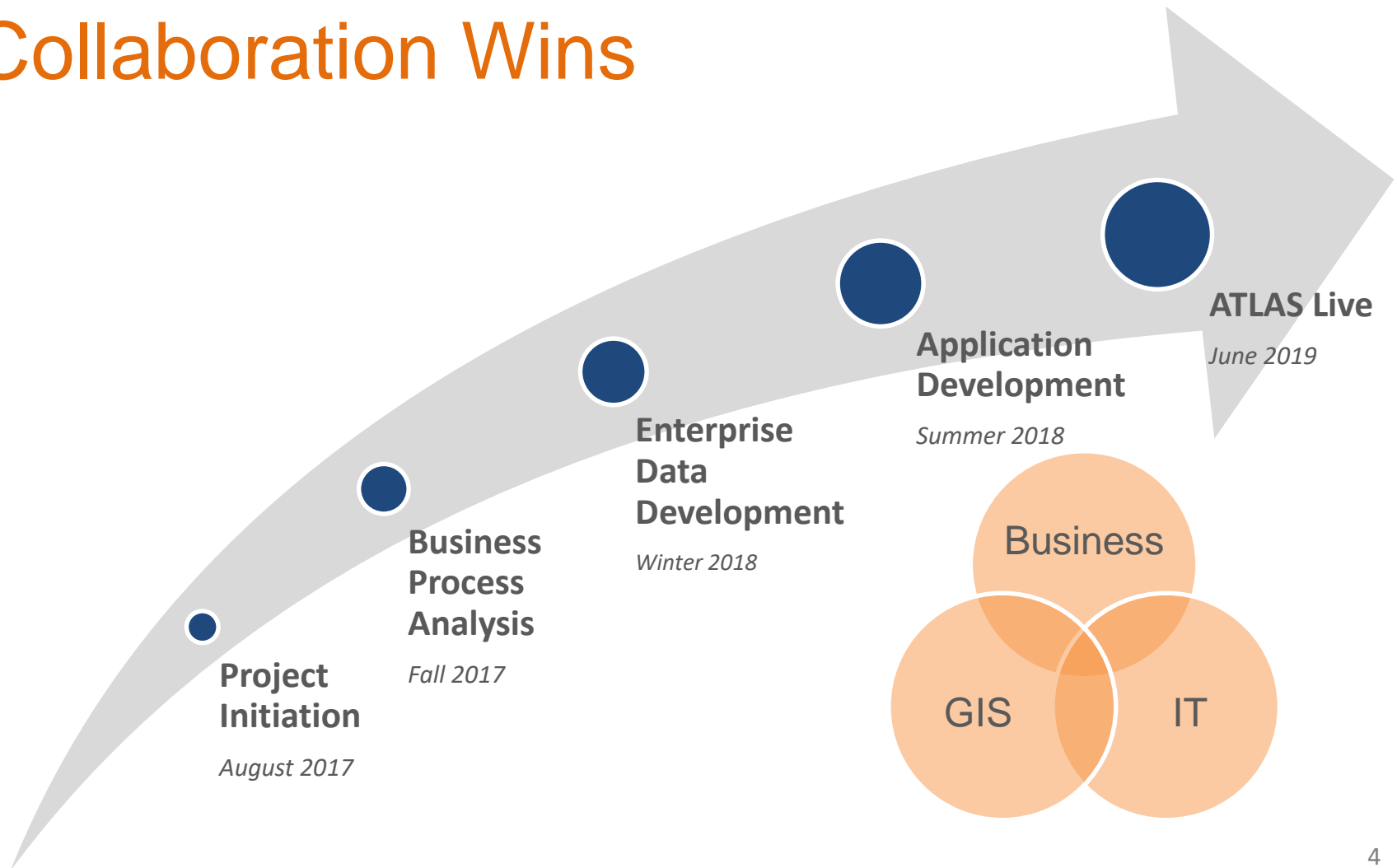
+

Screening Tool

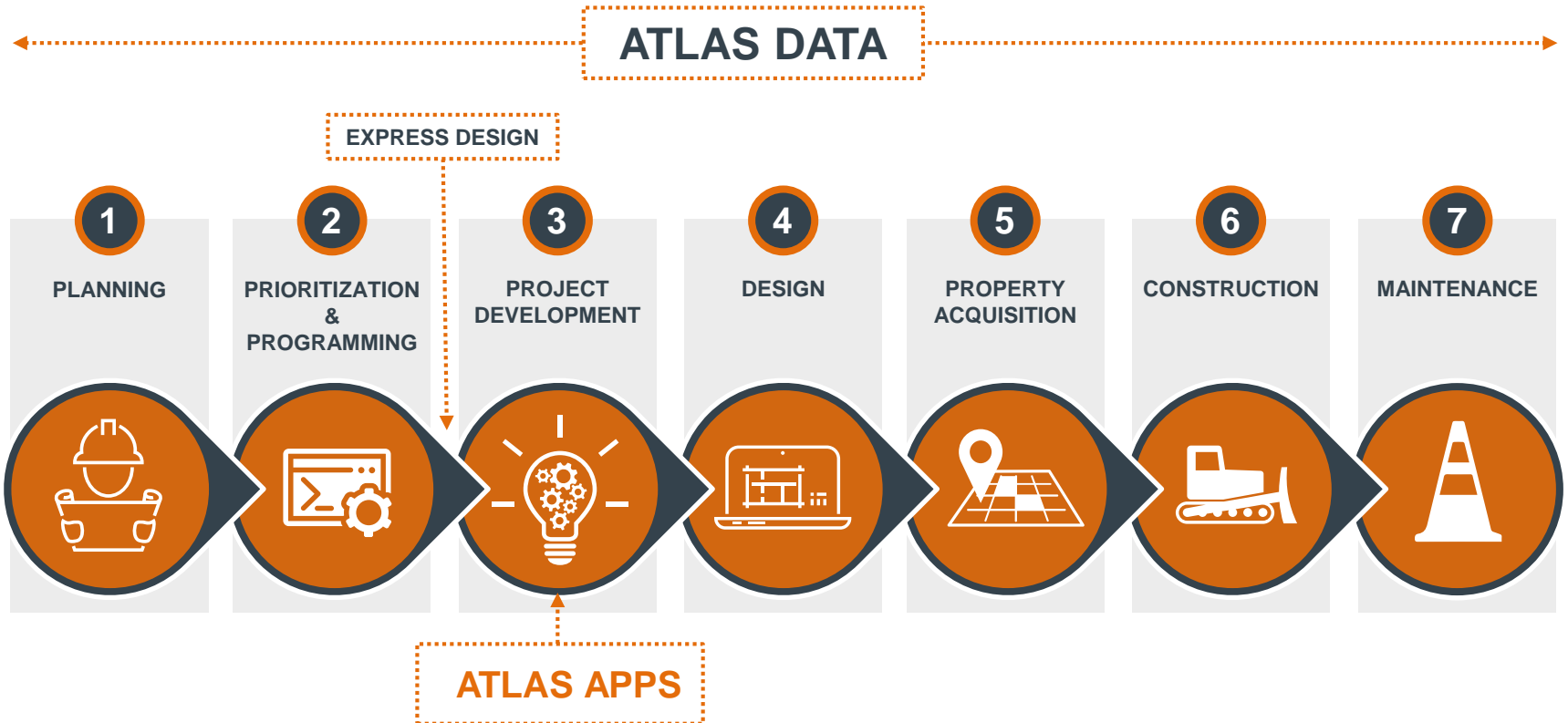


# How We Got Here:

## Collaboration Wins



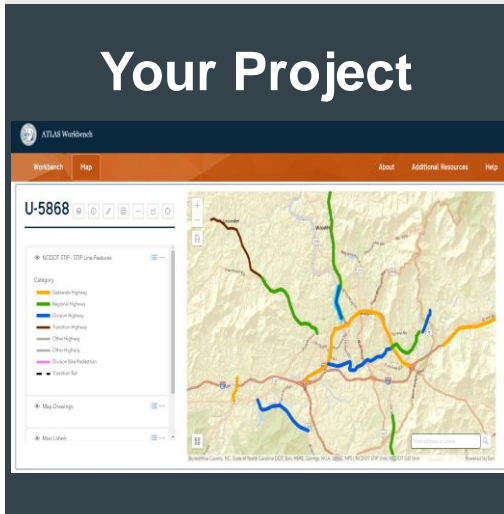
# Improving the Project Delivery Process



# ATLAS Data & Business Workflows



# ATLAS Applications



## SEARCH TOOL

Search or download data related to project development



## SCREENING TOOL

Screen projects for effects and create screening reports



## WORKBENCH

Manage and upload project data and deliverables, track project progress, and report on activities



## APP MANAGEMENT TOOL

Configuration tools in the hands of DOT Business

# ATLAS Search Tool

## **What the tool does for you:**

- Review and download data from multiple sources at once
- Establish consistency on data sources being used across project teams for the same deliverables and decisions

# ATLAS Search Tool



ATLAS Search Tool

[About](#)

[Additional Resources](#)

[Help](#)

## Search

What Data Are You Searching For?

Search By Document ⓘ

Search By Organization ⓘ

Search By Keyword ⓘ

# ATLAS Search Tool

237 Layers Found.

Select	Layer Name	Description	Owner
<input checked="" type="checkbox"/>	<a href="#">2012 Integrated Reporting Water Quality Assessments</a>	This data set contains the detailed water quality assessment for the 3,381 waterbodies in North Carolina where assessment data or information were available. The data assessed were from over 5,000 monitoring stations with data and information mostly collected in calendar years 2006-2010. This data set includes parameters assessed and water quality rating.	NC Department of Environmental Quality, Division of Water Resources
<input checked="" type="checkbox"/>	<a href="#">303d and 305b Streams (ESM Layer)</a>	303d and 305b Streams for ESM application hosted by NCDOT.	NCDOT, GIS Engineering Transportation Systems, GIS Unit
<input type="checkbox"/>	<a href="#">Albemarle - Pamlico National Estuary Partnership Map</a>	AP map is an interactive mapping application designed to provide geographic information about the Albemarle-Pamlico (A-P) watershed and APNEP.	NC Department of Environmental Quality, Albemarle-Pamlico National Estuary Partnership
<input checked="" type="checkbox"/>	<a href="#">Alluvial Fans</a>	Location and attributes of alluvial fan studies. Only the 1-percent-annual-chance flood is mapped for alluvial fans. The alluvial fan could be mapped as: Zone AO areas with depths and velocities; Zone AO areas with just depths; or Zone A, AE, or X. This information is needed for the Summary of Alluvial Fan Analyses and Results of Alluvial Fan Analyses tables in the FIS report.	Department of Homeland Security, Federal Emergency Management Agency
<input checked="" type="checkbox"/>	<a href="#">Anadromous Fish Spawning Areas</a>	NC DEQ maps here: <a href="http://portal.ncdenr.org/web/mf/afsa-maps">http://portal.ncdenr.org/web/mf/afsa-maps</a>	NC Department of Environmental Quality, Division of Marine Fisheries

Use checkboxes to select data sets you would like to Download or View on Map, then hit Download or View on Map button. You will then be prompted to define your geographic area of interest.

[Download or View On Map](#)



# ATLAS Search Tool

Layers Base Maps Measurement

## Base Maps

- Imagery
- Imagery with Labels
- Streets
- Topographic
- Dark Gray Canvas
- Light Gray Canvas
- National Geographic
- Terrain with Labels
- Oceans
- OpenStreetMap
- USA Topo Maps
- USGS National



# ATLAS Screening Tool

## **What the tool does for you:**

- Provides high-level summary report on key environmental layers/features in your study area
- Downloads of GIS datasets with features in your study area

# ATLAS Screening Tool



ATLAS Screening Tool

[About](#)[Additional Resources](#)[Help](#)

## Welcome to the Project Development Screening Tool

---

In order to screen a project study area, you need to complete a few steps:

1. Build Your Study Area
2. Buffer Your Study Area (optional)
3. Select Data to Screen
4. View, Download, and/or Share Your Screening Report

To begin: How would you like to build your Project Study Area?

1

**By Project ID**

Select if you know your STIP or SPOT ID for the project you are screening.

2

**Upload Study Area**

Select if you have a study area boundary in .zip format.

3

**Draw Study Area**

Select if you would like to build your study area using draw tool.

# ATLAS Screening Tool

Buffers are required to be:

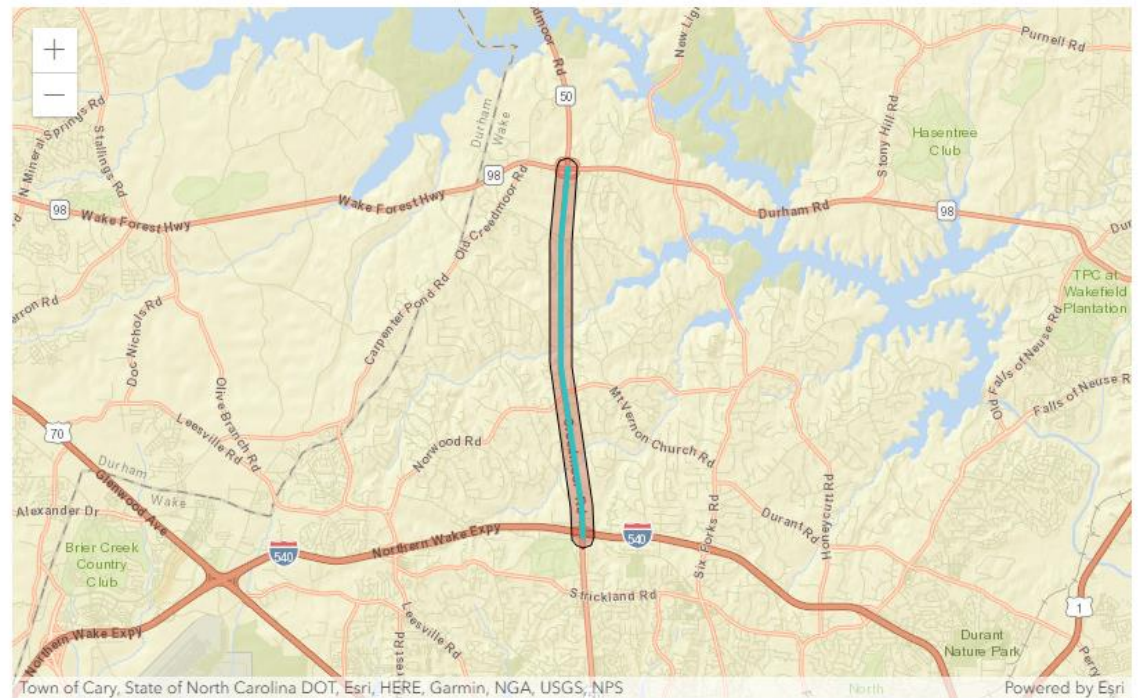
1. Applied for point and line features
2. No more than 2 miles

Buffers are optional for polygon features.

Distance

Unit

Buffer



Back

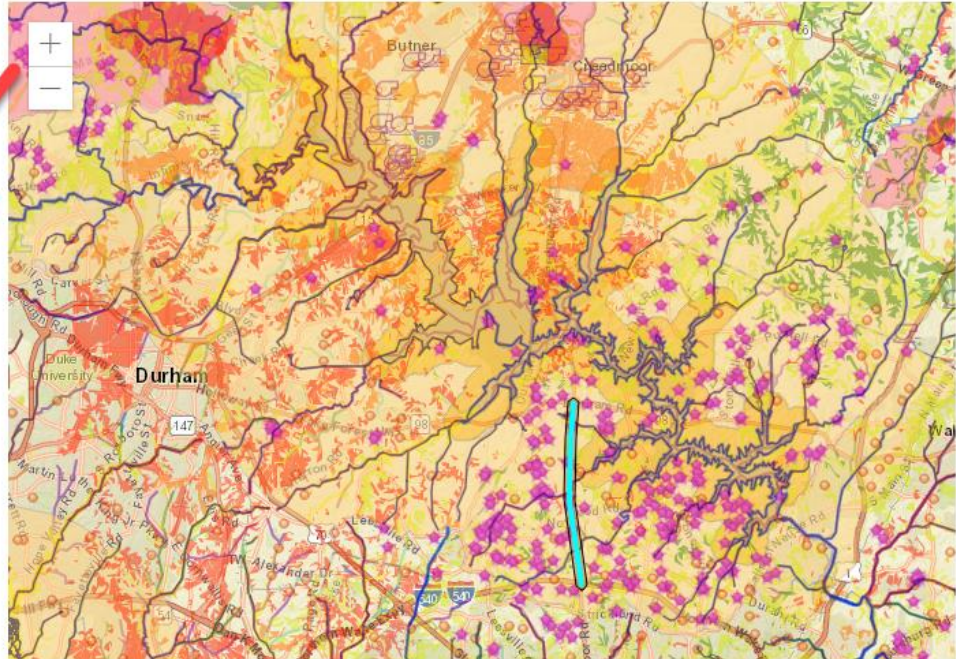
Next

# ATLAS Screening Tool

Number of potential impacts: **14**

[Download Report](#) [Download GDB](#) [Download DGN](#) [Show Layer Information](#)

- Submerged Aquatic Vegetation
- NOAA Essential Fish Habitat
- Hydrography
- NC DEQ Draft 303d Category 5 Assessments**
- FEMA Stream Study Type (ESM Layer)**
- DWR Trout Waters 2014 (ESM Layer)
- 303d and 305b Streams (ESM Layer)**
- NC DEQ Outstanding Resource Waters in North Carolina
- NC DEQ Water Supply Watershed III
- NC DEQ High Quality Waters in North Carolina



Town of Cary, State of North Carolina DOT, Esri, HERE, Garmin, NGA, USGS, NPS | NC DENR/Office of Co... Powered by Esri

# ATLAS Screening Tool

## Project Development Screening Report



**Report Date:** 06/12/2019

**Training Example**

ATLAS Screening Report for Training

**County:** Forsyth

**Division:** 9

**EPA Level III Ecoregion:**

Piedmont

**EPA Level IV Ecoregion:**

Southern Outer Piedmont, Northern Inner Piedmont

**HUC8:** 03040101

**CAMA:** No

**Riparian Buffer:** N/A

# ATLAS Screening Tool

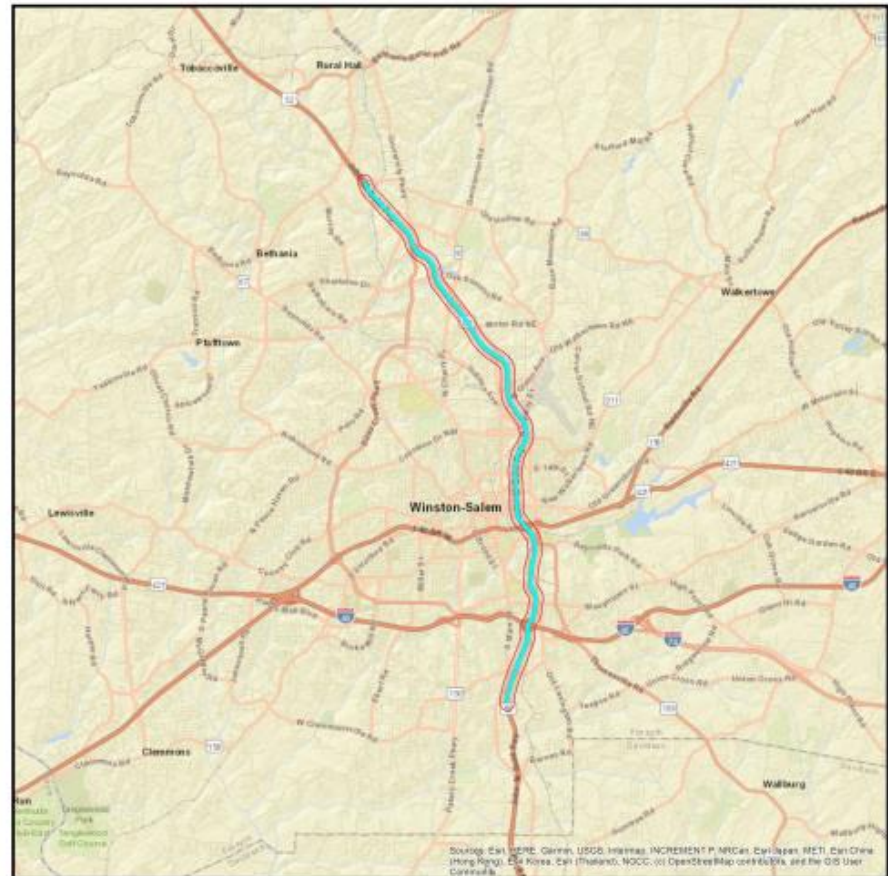
**Study Area Size:** 2595.3 Acres

**Buffer Size:** 1000 Feet

**STIP/SPOT ID:** U-2826, H090370

**STIP/SPOT Description:**

U-2826: SOUTH OF SR 2747 (CLEMMONSVILLE ROAD) TO FUTURE I-74 (WINSTON-SALEM NORTHERN BELTWAY). ADD LANES.



# ATLAS Screening Tool

## Human Environment

Community	Feature Count	Total Coverage	Nearest Feature
<a href="#">US HUD Public Housing Building</a>	50	N/A	11.7 ft
<a href="#">US DHS HIFLD Day Care Centers</a>	3	N/A	112.3 ft
<a href="#">North Carolina Public Schools</a>	2	N/A	10.9 ft
<a href="#">NC Colleges and Universities</a>	1	N/A	736.9 ft
<a href="#">NC Public Libraries</a>	1	N/A	8.9 ft
<a href="#">US DHS HIFLD Manufactured Home Parks</a>	1	N/A	701.2 ft
<a href="#">NC DEQ DWR Animal Operation Permits</a>	0	0	N/A
<a href="#">NC Hospitals</a>	0	0	0
<a href="#">NC Multi Hazard Threat Database Community Colleges</a>	0	0	0
<a href="#">NC Multi Hazard Threat Database Nuclear Power Plants</a>	0	0	0
<a href="#">NC Multi Hazard Threat Database State Prisons</a>	0	0	1461.4 ft
<a href="#">NC Non Public Schools</a>	0	0	279.5 ft



# ATLAS Screening Tool

## Natural Environment

Conservation Area	Feature Count	Total Coverage	Nearest Feature
<a href="#">NC Heritage Program Managed Areas</a>	1	23.2 ac	990.1 ft
<a href="#">National Conservation Easement Database</a>	0	0 ac	1505.0 ft
<a href="#">NC Critical Areas</a>	0	0 ac	0
<a href="#">NC DEQ CAMA Counties (DCM List)</a>	0	0 ac	N/A
<a href="#">NC DEQ DCM Coastal Reserve Boundary</a>	0	0 ac	0
<a href="#">NC DEQ Oceanfront Setback Factors</a>	0	0 ac	0
<a href="#">NC DEQ Outstanding Resource Water Management Zones</a>	0	0 ac	0
<a href="#">NC DEQ Primary Fish Nursery Areas</a>	0	0 ac	0
<a href="#">NC DEQ Unique Wetlands</a>	0	0 ac	0
<a href="#">NOAA Marine Protected Area</a>	0	0 ac	0
<a href="#">USFWS National Wildlife Refuges</a>	0	0 ac	0

# ATLAS Screening Tool

## Availability of Web Services:

The layers referenced in this report utilize web services. If any web services were unavailable at the time of the report execution, related errors are noted in the following table:

Service Name	Service Url	Error Thrown
Blue Ridge Forever Appalachian Trail Centerline	<a href="https://services1.arcgis.com/PwLrOgCfU0cYShcG/ArcGIS/rest/services/Appalachian_Trail_centerline/FeatureServer/0">https://services1.arcgis.com/PwLrOgCfU0cYShcG/ArcGIS/rest/services/Appalachian_Trail_centerline/FeatureServer/0</a>	URLError: No connection could be made because the target machine actively refused it
NC Natural Heritage Natural Areas (NHNA)	<a href="https://services.nconemap.gov/secure/rest/services/NC1Map_Habitat/FeatureServer/2">https://services.nconemap.gov/secure/rest/services/NC1Map_Habitat/FeatureServer/2</a>	Invalid Token
NC Shellfish Growing Area Classifications	<a href="https://services.nconemap.gov/secure/rest/services/NC1Map_Habitat/FeatureServer/3">https://services.nconemap.gov/secure/rest/services/NC1Map_Habitat/FeatureServer/3</a>	Invalid or missing input parameters.
NOAA Marine/Estuarine Aquatic Bed, Rooted Vascular (Submersed Rooted Vasculars, SRV)	<a href="https://coast.noaa.gov/arcgis/rest/services/MarineCadastre/Seagrasses/MapServer/0">https://coast.noaa.gov/arcgis/rest/services/MarineCadastre/Seagrasses/MapServer/0</a>	Error handling service request :0x80004005 - Unspecified error
TVA Land Plans (EGISMap)	<a href="https://egismaps.tva.gov/arcgis/rest/services/Land_Plans/MapServer/0">https://egismaps.tva.gov/arcgis/rest/services/Land_Plans/MapServer/0</a>	URLError: No connection could be made because the target machine actively refused it

# ATLAS Workbench

- Key Functionality
  - Track project workflow
  - Ingestion of standard deliverable documents and spatial data
  - View your project within the context of surrounding projects and data for those projects
  - Automated report generation

# ATLAS Workbench

Workbench [Map](#)

[About](#) [Additional Resources](#) [Help](#)

## Basic Project Info - B-4487

Basic Project Info	
PreCon Scoping	✓
Public/Local Involvement	✓
Municipal Agreements	✓
Merger	✓
Survey & Photogrammetry	✓
Community Characteristics Report (CCR)	✓
Traffic	✓
Threatened & Endangered Species	✓
NRTR	✓
Air Quality	✓
Traffic Noise Analysis	✓
Historical Architecture	✓
Archaeology	✓
Geo-Environmental	✓
Permitting	✓
Community Impact Assessment (CIA)	✓
Hydraulics	✓
ICE/ICI	✓
Roadway	✓
Utilities	✓
Right of Way	✓
Bicycle & Pedestrian	✓
Value Engineering	✓
Project Management	✓

Project Name	<input type="text" value="B-4487"/>
Project Description	<input type="text" value="REPLACE BRIDGE 2 OVER FORK CLUBFOOT CREEK ON SR 1715Craven"/>
TIP ID	<input type="text" value="B-4487"/>
Prime Firm Name	<input type="text" value="RS&amp;H Architects-Engineers"/>
Funding Source	<input type="text"/>
Is there a lead federal agency?	<input type="radio"/> Yes <input type="radio"/> No
Document Type	<input type="text"/>

[Save](#)

[Generate Reports](#)

# ATLAS Workbench

Basic Project Info	
PreCon Scoping	✓
Public/Local Involvement	✓
Municipal Agreements	✓
Merger	✓
Survey & Photogrammetry	✓
Community Characteristics Report (CCR)	✓
Traffic	✓
Threatened & Endangered Species	✓
NRTR	✓
Air Quality	✓
Traffic Noise Analysis	✓
Historical Architecture	✓
Archaeology	✓
Geo-Environmental	✓
Permitting	✓
Community Impact Assessment (CIA)	✓
Hydraulics	✓
ICE/ICI	✓
Roadway	✓
Utilities	✓
Right of Way	✓
Bicycle & Pedestrian	✓
Value Engineering	✓
Project Management	✓
<b>Generate Reports</b>	

## NRTR - B-4487

Is this section required?  
 Yes  No

### 1. Land Owner

Upload Land Owner Notification Letter (PDF) ⓘ

Upload Land Owner Mailing List (PDF) ⓘ

### 2. WEX Files

\* Upload Jurisdictional Wetlands WEX (GIS) ⓘ

Upload WEX file (DGN) ⓘ

\* Upload Preliminary Jurisdictional Determination Package (PDF) ⓘ

### 3. WET Files

Upload Jurisdictional Wetlands WET (GIS) ⓘ

Upload WET file (DGN) ⓘ

Upload Approved Jurisdictional Determination Form (PDF) ⓘ

# ATLAS Workbench

Workbench

Map

About

Additional Resources

Help

Basic Project Info	
PreCon Scoping	✓
Public/Local Involvement	✓
Municipal Agreements	✓
Merger	✓
Survey & Photogrammetry	✓
Community Characteristics Report (CCR)	✓
Traffic	✓
Threatened & Endangered Species	✓
NRTR	✓
Air Quality	✓
Traffic Noise Analysis	✓
Historical Architecture	✓
Archaeology	✓
Geo-Environmental	✓
Permitting	✓
Community Impact Assessment (CIA)	✓
Hydraulics	✓
ICE/ICI	✓
Roadway	✓
Utilities	✓
Right of Way	✓
Bicycle & Pedestrian	✓
Value Engineering	✓
Project Management	✓

Generate Reports

## Generate Reports

Preliminary CE Checklists

- CE Type 1
- CE Type 2
- CE Type 3

Workbench Reports

Full Workbench Report

Category Specific Reports

- PreCon Scoping
- Merger
- Traffic
- Air Quality
- Archaeology
- Community Impact Assessment (CIA)
- Roadway
- Bicycle & Pedestrian
- Public/Local Involvement
- Survey & Photogrammetry
- Threatened & Endangered Species
- Traffic Noise Analysis
- Geo-Environmental
- Hydraulics
- Utilities
- Value Engineering
- Municipal Agreements
- Community Characteristics Report (CCR)
- NRTR
- Historical Architecture
- Permitting
- ICE/ICI
- Right of Way
- Project Management

Download Selected Reports

# ATLAS Workbench

**ATLAS Workbench**

Workbench | **Map** | About | Additional Resources | Help

**R-2574** [Layers] [Info] [Edit] [Print] [Full Screen]

- FWSCadastral Internet - National Wildlife Ref
- Wetlands
- CoastalBarrierResourcesSystem - CBRS Units

Unit\_Type

- Otherwise Protected Area
- System Unit

CoastalBarrierResourcesSystem - CBRS Units

Unit\_Type

- Otherwise Protected Area

**Add Layers**

Use checkboxes to select layer you would like to View on Map.

**What layers are you searching for?**

Search [ ]

- + NCDOT, Environmental Analysis Unit (EAU)
- NCDOT, GIS Unit
  - NCDOT County Boundaries Polygon
  - NCDOT Hazardous Spill Basin Boundary
  - USGS 24K Quad Neatlines
  - NCDOT Smoothed Urban Boundary
  - NC 24K Streams 2014
  - NCDOT Airport Locations
  - NCDOT Municipal Boundaries
  - NCDOT County Boundaries Line
  - NCDOT State Transportation Improvement Program (STIP) Points

Cancel | **View On Map**

Map Labels: Elizabeth City, Shiloh, Poplar Branch, Grandy, NC-01P, NC-01, L01P, Sprolla, Currituck Sound, Pasquotank River, Wintail, 158, 344, 19.

Footer: State of North Carolina DOT, Esri, HERE, Garmin, NGA, USGS, NPS | NCDOT STIP Unit, NCDOT GIS Unit | U.S. Fish and Wildlife Service, Coastal Barrier Resources Act Program, CBRA@FWS.gov, www... Powered by Esri

# ATLAS Workbench

Workbench **Map** About Additional Resources Help

**R-2574** [Layers] [Info] [Edit] [Print] [Zoom In] [Zoom Out] [Home]

- FWSCadastral Internet - National Wildlife Refuges (<3M) [Menu]
- Wetlands [Menu]
- CoastalBarrierResourcesSystem - CBRS Units [Menu]
- Unit\_Type
  - Otherwise Protected Area
  - System Unit
- CoastalBarrierResourcesSystem - CBRS Units [Menu]
- Unit\_Type
  - Otherwise Protected Area

State of North Carolina DOT, Esri, HERE, Garmin, NGA, USGS, NPS | NCDOT STIP, Unit, NCDOT GIS Unit | U.S. Fish and Wildlife Service, Coastal Barrier Resources Act Program, CBRA@FWS.gov, www... Powered by Esri



# ATLAS: By the Numbers

**June 2019**

ATLAS Go-Live Date

**600+**

GIS Data Layers Available through ATLAS

**100+**

Interviews with DOT Staff and Consultants as Part of Business Analysis Phase

**27**

ATLAS Regional Trainings



**1-STOP SHOP**  
for Project Development

**14**

Divisions Represented at Training

**500+**

ATLAS Training Attendees

**70+**

Data Downloads Run Since Go-Live

**4**

ATLAS Live Webinars

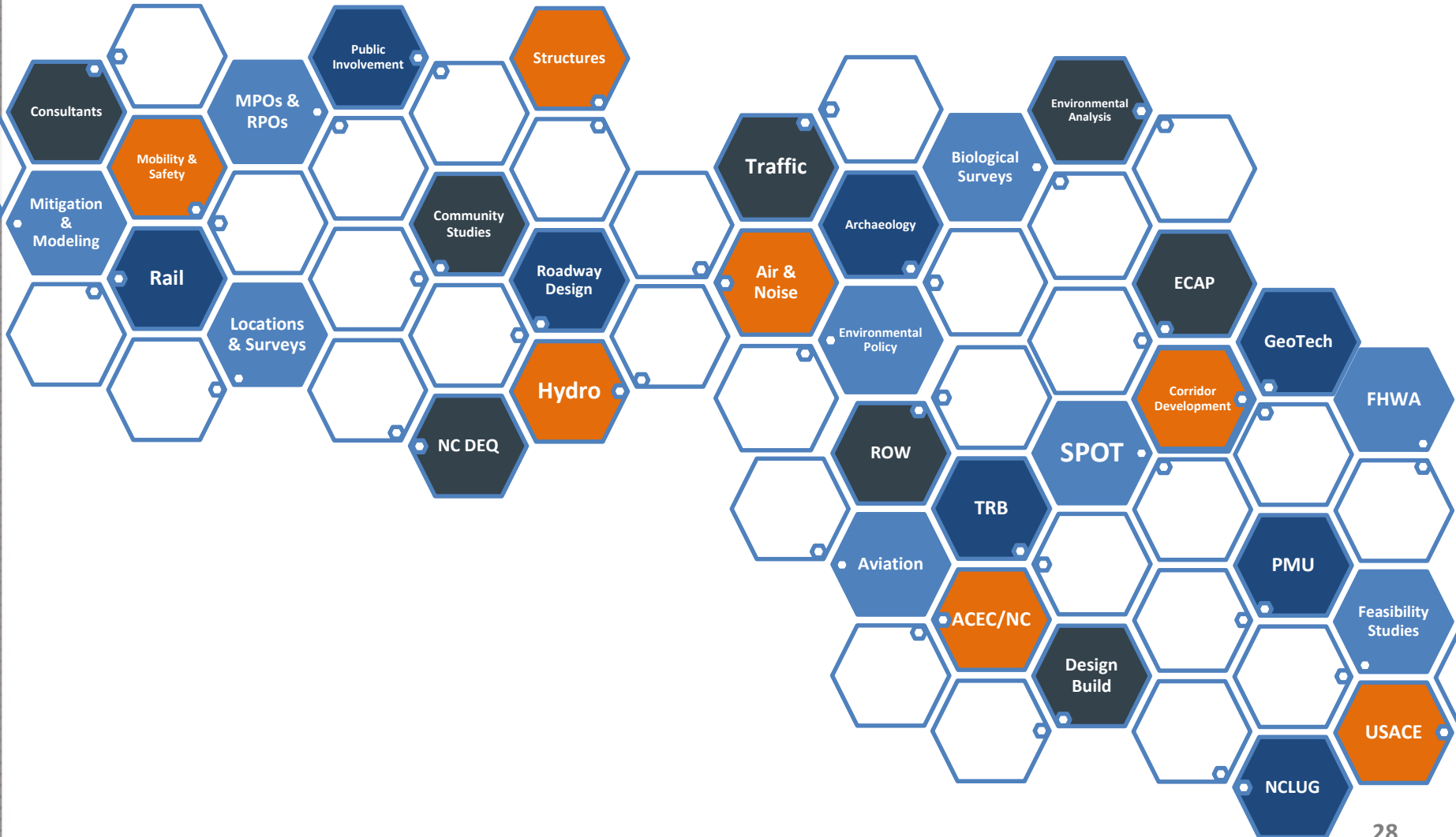
**200+**

Screenings Reports Run Since Go-Live

**130+**

Brand-New GIS Layers Created by ATLAS Team

# Who Has ATLAS Reached?



# ATLAS Feedback

Overall Training Rating = 4.7/5

I've wasted so much of my time in the past searching for files; **this will save time!**

Great interactive, **useful** tool!

It was far better than I expected. The search, screening, and workbench tools are an absolute **game changer!**

As a consultant PM, this system will be **great** to track progress and to provide screening.

Fantastic tool, **can't wait** to use.

**Exceeded** expectations

## Great tool!

Thank you for listening to suggested updates/improvements for 2.0.

Atlas will be a highly **effective** method of delivering projects more efficiently.

I was nervous because I am not tech savvy, but this was **very simple**.

I was **blown away** by the organization and fully covered process.

I think Atlas is a great idea and **long overdue**.

Thank you for your efforts, communication between agencies is key! Please share with SCDOT too!

This is one-stop shopping for preconstruction and **streamlines** what I need to prepare before going in the field.

The software is **user friendly**.

I see myself using this **daily**.

# Progress Toward Integrated Project Delivery (IPD)



# Ongoing Work

- NCDOT ATLAS Policy
- IPD Collaboration
- Actively working on enhanced functionality
  - *Release 1.5 is coming end of August*
- Machine learning efforts
- Scope for ATLAS 2.0
  - *Further collaboration throughout the program delivery process*

# The Future of ATLAS ...



More and more data development



Smoother handoffs between project phases and existing DOT investments/applications



Provide management-level views to track overall project development activity and guide funding/prioritization



More map tools to put power of GIS into the hands of the non-GIS user



Enable regional and statewide screenings



More automation of standard reports/documents (PCRs, Project Commitments, etc.)



Incorporate more business units

ATLAS Team



and much more...

A  
T  
L  
A  
S

Questions  
And  
Discussion

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



# ROAD/BRIDGE/FERRY NAMING COMMITTEE AGENDA

## BOARD OF TRANSPORTATION OCTOBER 2, 2019

**TIME:** 10:30 – 11:30 AM

**LOCATION:** Room 160

**Attendees:** Michael Fox, Nina Szlosberg-Landis, Hugh Overholt, Andy Perkins, Gus Tulloss

TOPIC	PRESENTER	TIME
<b>Call to Order</b> <b>Roll Call</b> <b>Declaration of Quorum</b> <b>Approval of June 26, 2019 Road/Bridge/Ferry Naming Committee Meeting Minutes</b>	Mike Fox, Chair	10:30 AM
<b>Review of Submitted Applications</b>	Shelly Heath	10:40 AM
<b>Officer Robert Y Clement Bridge</b> – Bridge #141 on Stokes Ferry Road (SR 1004) over South Second Creek in Salisbury, Rowan County, Division 9 (Wells)	Shelly Heath	10:40 AM
<b>Tugs Naming</b> – Wanchese, Morehead City, Cape Fear, Hobucken and Manns Harbor	Shelly Heath	10:50 AM
<b>Senator Charles W. Albertson Highway</b> – I-40 from one mile east of interstate exit 373 to one mile west of exit 373 in Duplin County, Division 3 (Alford)	Shelly Heath	11:00 AM
<b>Review Municipality Naming Options</b>	Kevin Lacy	11:10 AM
<b>Adjourn</b>	All	11:30 AM





# WORKFORCE COMMITTEE AGENDA

## BOARD OF TRANSPORTATION JUNE 26, 2019

**START TIME:** 10:30 a.m.

**LOCATION:** EIC

<b>TOPIC</b>	<b>PRESENTER</b>	<b>TIME</b>
Call to Order Roll Call Ethics Statement Declaration of Quorum Approval of February 6, 2019 minutes	Mike Fox, Chair	5 minutes
DMV Workforce Pilot Update and Recruitment and Retention Update	Bobby Lewis, P.E., COO	30 minutes
Next Steps	Mike Fox, Chair Bobby Lewis, P.E., COO All committee members	15 minutes
Adjourn	Mike Fox, Chair	